

TPCODL

TP Central Odisha Distribution Limited

TPNODL

TP Northern Odisha Distribution Limited

TPSODL

TP Southern Odisha Distribution Limited

TPWODL

TP Western Odisha Distribution Limited

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****OPEN TENDER NOTIFICATION****FOR****Rate Contract****for Single Phase & Three Phase Meter Installation and
Associated Activities for TPNODL for 2 (Two) Years****Tender Enquiry No.: TPCODL / CCG / 2023-24 / 023****Due Date for Tender Fee Submission: 21.07.2023 [15.00 Hrs.]****Due Date for Bid Submission: 26.07.2023 [15.00 Hrs.]****Centralized Contracts Group****(A TATA Power and Odisha Government Joint Venture)****TP Central Odisha Distribution Limited****1st Floor, Anuj Building, Plot No.29, Satya Nagar, Bhubaneswar – 751007**

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****INFORMATION TO THE BIDDERS TO PARTICIPATE IN E-OPEN TENDER SYSTEM****:- Steps for E-tender submission:-**

Bids are to be submitted only through online e-procurement platform, ARIBA. Any other form of bid submission will not be accepted. Online Link for submission of bid through ARIBA will be sent only after confirmation of payment of tender fee from bidder.

Step 1: The bidder can get primary information about the tender from the Newspaper advertisement / TPNODL website such as <www.tpnodl.com> and can download the tender document from the above website.

Step 2: Non-Refundable Tender Participation Fee, as indicated in tender document, to be submitted before last date of tender fee payment, in the form of direct deposit / NEFT / RTGS in the following bank account.

Beneficiary Name – TP Northern Odisha Distribution Limited
Bank Name – Union Bank of India
Branch Name – Balasore Branch
Account No – 500601010280332
IFSC Code – UBIN0550060

Step 3: Eligible and Interested bidder to send an email to CCG attaching duly signed and stamped letter on Bidder's letterhead, with following details, expressing their intend to bid against above tender:

Sl No	Description	Bidder's Response
i)	Tender Enquiry No.	
ii)	Description of materials / Works Tendered	
iii)	Name and address of the bidding company	
iv)	Name of the authorized contact person	
v)	Contact No. authorized person	
vi)	E-mail Id of the where online ARIBA link to be mailed.	
vii)	Tender Fee details (Amount / NEFT UTR No / Date), Ref step 2 above	
viii)	GST No.of bidder	
ix)	MSME Certificate, wherever applicable	
x)	Postal address of bidder for return of EMD BG	

E-mail has to be sent to <umesh.sahoo@tpnodl.com> with copy to <vipin.chauhan@tpnodl.com> before “Last date and time for payment of Tender Participation Fee”.

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Step 4: On receipt of the document as mentioned in Step 3 above and after due verification of the same, ARIBA link for participation in the tender will be sent to bidder's mail address from ARIBA system.

Step 5: In this mail there will be an online link as **Click Here** to participate in the tender.

Step 6: Click **“Click Here”** to access this event.

Step 7: If bidder is bidding first time for TPNODL through ARIBA site then please "Sign UP" by creating User Name and password as mentioned in Sign Up page. Please follow the process, as mentioned in the Sign Up page, during creation of User Name and password. Also a simple one-page registration screen will open for first time user. All * mark mandatory field to be filled in.

Those who are already having User Name and password for accessing TPNODL events, they can LOGIN using same User Name and password.

If bidder has got User name and password for their other customer, same will not be applicable for TPNODL.

Step 8: You will be able to see the RFQ

Step 9: After review and downloading of all documents click on **“Review Pre-requisites”**

Step 10: Review and accept **“Bidder Agreement”**.

Step 11: You can see attached pdf tender document against clause no 1.1.1 (Introduction).

Step 12: Vendor has to attach pdf version of technical bid in clause no. 2.1 and 2.2. In this field do not attach any price document.

Price schedule is attached in clause no.3.2. Same has to be downloaded and price and tax details to be filled in as per the format given, print to be taken in vendor's letter head and signature and seal to be made by authorized person. PDF version of this price bid to be attached in clause 3.2 For Price Bid put all the unit price and taxes and duties in provided field. Put "0" (ZERO) in not applicable field.

Step 13: After successfully putting Techno commercial offer and price part then click on **“Submit Entire Response”**

Note: Once user ID and password created, bidder can also login to ARIBA site through the following URL:

<https://service.ariba.com/Sourcing.aw/124997008/aw?awh=r&awssk=oxt0s1BN&dard=1>

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****Business Associates falling in MSME category can avail the following benefits-**

a. Tender Fees: To participate in the tender, MSMEs registered in the State of Odisha shall pay Rs.1,000 including GST towards cost of tender paper.

b. Earnest Money Deposit (EMD): EMD shall be exempted for MSME registered in the State of Odisha. However, Bidder shall be barred to participate in the tendering process for a period of 2 years in case it backs out post award of the contract.

c. Qualification Requirement for Open Tenders: Qualification Requirement of Financial Turnover for MSME registered in the State of Odisha shall be reduced to 20% of the existing criteria. For past experience, instead of relying on the volumes / value of earlier Supplies / Projects, assessment of the Bidder shall be done on the basis of feedback from Customers. Past performance experience at Tata Power/ TPCODL / TPNODL / TPSODL / TPWODL and its Group Companies shall supersede feedback from other Customers.

d. Performance Bank Guarantees: Performance Bank Guarantee for MSME registered in the State of Odisha shall be 25% of the value normally prescribed.

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CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****1.0 Event Information****1.1 Scope of work**

Bids are invited against the Open Tenders through e-tender bidding process from interested Bidders for entering into a Rate Contract as per the details mentioned below:

Tender Enquiry No.	Work Description	EMD (Rs.)	Tender Fee (Rs.)
TPCODL / CCG / 23-24 / 023	Rate Contract for Single Phase & Three Phase Meter Installation and Associated Activities for TPNODL	2,00,000	5,000

1.2 Availability of Tender Documents

Please refer "Procedure to participate in the e-tender".

1.3 Calendar of Events

(a)	Date & Time of Pre-Bid Meeting (If any)	17.07.2022: 15:00 Hrs
(b)	Last Date of receipt of Tender Fee	21.07.2023 ; 15:00 Hrs
(c)	Last Date of receipt of pre-bid queries, if any	21.07.2023 up to 18:00 Hrs (after which no queries will be entertained)
(d)	Last Date of Posting Consolidated replies to all the pre-bid queries as received	24.07.2023 up to 18:00 Hrs
(e)	Last date and time of receipt of Bids	26.07.2023 up to 15:00 Hrs
(f)	Date & Time of opening technical bids & EMD	26.07.2023 up to 15:30 Hrs
(g)	Date & Time of opening of Price of qualified bids	Will be notified to the successful bidders through our website / e-mail.

Mandatory documents required along with the Bid

- 1.4.1 EMD of requisite value and validity (as applicable)
- 1.4.2 Tender Fee in case the tender is downloaded from website
- 1.4.3 Requisite Documents for compliance to Qualification Criteria mentioned in Clause 1.7.
- 1.4.4 Drawing, Type Test details along with a sample of each item as specified at Annexure I (as applicable).
- 1.4.5 Duly signed and stamped 'Schedule of Deviations' as per Annexure III on bidder's letter head.
- 1.4.6 Duly signed and stamped 'Schedule of Commercial Specifications' as per Annexure IV on bidder's letter head.

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1.4.7 Proper authorization letter / Power of Attorney to sign the tender on the behalf of bidder.

1.4.8 Copy of PAN, GST (In case any of these documents is not available with the bidder, same to be explicitly mentioned in the 'Schedule of Deviations')

Please note that in absence of any of the above documents, the bid submitted by a bidder shall be liable for rejection.

1.5 Deviation from Tender

Normally, the deviations to tender terms are not admissible and the bids with deviation are liable for rejection. Hence, the bidders are advised to refrain from taking any deviations on this Tender. Still in case of any deviations, all such deviations shall be set out by the Bidders, clause by clause in the 'Annexure III - Schedule of Deviations' and same shall be submitted as a part of the Technical Bid.

1.6 Right of Acceptance/ Rejection

Bids are liable for rejection in absence of following documents: -

- 1.6.1 EMD of requisite value and validity (as applicable)
- 1.6.2 Tender fee of requisite value
- 1.6.3 Price Bid as per the Price Schedule mentioned in Annexure-I
- 1.6.4 Necessary documents against compliance to Qualification Requirements mentioned at Clause 1.7 of this Tender Document.
- 1.6.5 Filled in Schedule of Deviations as per Annexure III.
- 1.6.6 Filled in Schedule of Commercial Specifications as per Annexure IV
- 1.6.7 Receipt of Bid within the due date and time

CCG reserves the right to accept / reject any or all the bids without assigning any reason thereof.

1.7 Qualification Criteria

1. The prospective Bidder(s) should be have following certificates-
 - a. Valid EPF Registration Certificate.
 - b. Valid ESI Registration Certificate.

In case of non-availability of the above certificates with the bidder at the time of bid submission, bidder is required to submit an undertaking with the bid document with respect to submission of these certificates within 20 days of award of Contract.

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The Bidder should also possess valid:

- a. Valid GST Registration Certificate.
- b. Valid PAN No.

2. The bidder should have Average Annual turnover of at least Rs. 6 Cr. for any of last 3 Financial Year (FY) out of FY 18-19, FY 19-20, FY 20-21, FY 21-22 & FY 22-23. (Copy of Audited balance sheet and Profit and loss account statement to be submitted, UDIN is mandatory).

Qualification Requirement of Financial Turnover for MSME registered in the State of Odisha shall be reduced to 20% of the existing criteria.

3. The bidder should have experience of Meter reading cum spot billing & bill distribution / Door to Door Revenue Collection / Annual Maintenance Contract / Meter Installation & Replacement / 33/11kV Project Work in any distribution utilities during last 3 years and should be either of the following:

- a. Three similar completed works not less than the amount equal to 25 Lac Or,
- b. Two similar completed works not less than the amount equal to 30 Lac Or,
- c. One similar completed works not less than the amount equal to 50 Lac.

4. Bidder should have Performance Certificate from minimum one reputed Power Distribution Utility, having consumer base of more than 3 (three) lakhs.

The Business Associates who are currently engaged with TPCODL / TPNODL / TPSODL / TPWODL for similar products and services, the performance feedback for that bidder shall only be considered irrespective of performance certificates issued by any third organization to be verified by User Department.

The experiences mentioned above under clause 3 & 4 should be directly awarded to Bidder by the Power Distribution Utility, no sub-contracting experience will be considered for evaluation.

5. Bidder should not be blacklisted / debarred by any Govt. Organization Utility. Bidder has to submit self- undertaking for the same.

6. Each bidder shall submit bid by himself only. A bidder in joint venture / consortium shall not be allowed to participate in the Tender. Bidder has to submit self- undertaking for the same.

Note:-

1. The indenting bidder(s) shall furnish the documentary evidence pertaining to the above qualifying criteria or else their bid shall be rejected outright without any further correspondence.

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2. In case the bidder has a previous association with Tata Power group companies / Odisha DISCOM for similar products and services, the performance feedback for that bidder from User Group shall only be considered irrespective of performance certificates issued by any third organization.

However, CCG reserve the right to scrutinize and reject any of such bidders during techno - commercial evaluation of the bid without assigning reason what so ever may be.

3. CCG reserves the right to disqualify the bidder's during techno - commercial evaluation of the bid, in case it is found that some matter / case pertaining to the bidder is prevalent under any kind of litigation (filed by either of the party) with Odisha DISCOMs / Tata Power / Tata Power group companies. This will also include old pending matters, if any, of erstwhile era.”

1.8 Marketing Integrity

We have a fair and competitive marketplace. The rules for bidders are outlined in the General Condition of Contracts. Bidders must agree to these rules prior to participating. In addition to other remedies available, TPNODL reserves the right to exclude a bidder from participating in future markets due to the bidder's violation of any of the rules or obligations contained in the General Condition of Contracts. A bidder who violates the market place rules or engages in behaviour that disrupts the fair execution of the marketplace, may result in restriction of a bidder from further participation in the marketplace for a length of time, depending upon the seriousness of the violation. Examples of violations include, but are not limited to:

- Failure to honour prices submitted to the marketplace
- Breach of terms as published in TENDER / NIT

1.9 BAs Confidentiality:

All information contained in this tender is confidential and shall not be disclosed, published or advertised in any manner without written authorization from TPNODL. This includes all bidding information submitted to TPNODL. All tender documents remain the property of TPNODL and all BAs are required to return these documents to TPNODL upon request. BAs who do not honour these confidentiality provisions will be excluded from participating in future bidding events.

2.0 Evaluation Criteria

- The bids will be evaluated technically on the compliance to tender terms and conditions.
- Bidders have to mandatorily quote for all Divisions of the BOQ. Failing to do so, CCG may reject the bids.

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- The bids will be evaluated commercially on the overall lowest cost for each individual Division as defined in the tender BOQ as calculated in Schedule of Items [Annexure I]. CCG however, reserves the right to split the order Division wise among more than one Bidder. Hence all bidders are advised to quote their most competitive rates.
- CCG will award maximum Two Divisions / Cluster to a single bidder. However, CCG shall reserve the right to decide the no. of Division and allocation of the particular Divisions to a respective BA while awarding the Contract.
- **NOTE:** In case of a new bidder not registered, existing sites shall be visited by TPNODL officials for confirming overall performance of the BA. However, CCG reserves the right to carry out sites inspection and evaluation for any bidder prior to technical qualification. In case a bidder is found as Disqualified in the sites visit evaluation, their bid shall not be evaluated any further and shall be summarily rejected. The decision of CCG shall be final and binding on the bidder in this regard.

2.1 Price Variation Clause: The prices shall remain firm during the entire contract period.

3.0 Submission of Bid Documents

3.1 Bid Submission

Bidders are requested to submit their offer in line with this Tender document. CCG shall respond to the clarification raised by various bidders and the replies will be sent to all participating bidders through e-mail.

Bids shall be submitted in 3 (Three) parts:

FIRST PART: EMD is strictly preferred in the form of Bank Guarantee and to be delivered at the following address. However in view of present situation if Bidder is finding it difficult to make and submit BG for EMD amount, they can do online transfer of EMD amount in the below mentioned Account and submit proof of the same as part of Bid Submission.

Please note that in such case, Tender Fee and EMD should be strictly 2 separate transactions.

Please note as return of EMD from Bank Account is non-standard practice the same may take more time than return of EMD BG.

EMD Original Hard Copy shall be delivered at the following address in Envelope clearly indicating Tender Reference/ Enquiry Number, Name of Tender and Bidder Name

“EMD”

Tender Enquiry No.: TPCODL / CCG / 2023-24 / 023

“Rate Contract for Single Phase & Three Phase Meter Installation and Associated Activities for TPNODL”

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CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****The envelope shall be addressed to:****Centralized Contracts Group**

(A TATA Power and Odisha Government Joint Venture)

TP CENTRAL ODISHA DISTRIBUTION LIMITED

1st Floor, Anuj Building, Plot No.: 29, Satya Nagar, Bhubaneswar, Odisha, 751007

Kind Attn.: Umesh Prasad Sahoo, Mob No.: 8260447677

The envelope shall also bear the Name and Address of the Bidder.

A separate non-refundable tender fee of stipulated amount also need to be transferred online through NEFT/ RTGS in case the tender document is downloaded from our website.

TPNODL Bank Details for transferring Tender Fee is as below:

Beneficiary Name – TP Northern Odisha Distribution Limited

Bank Name – Union Bank of India

Branch Name – Balasore Branch

Account No – 500601010280332

IFSC Code – UBIN0550060

SECOND PART: “TECHNICAL BID” shall contain the following documents:

- Documentary evidence in support of qualifying criteria
- Technical literature / GTP / Type test report etc. *(if applicable)*
- Qualified manpower available *(if applicable)*
- Testing facilities *(if applicable)*
- No Deviation Certificate as per the Annexure III – Schedule of Deviations
- Acceptance to Commercial Terms and Conditions viz Delivery schedule/period, payment terms etc. as per the Annexure IV – Schedule of Commercial Specifications.
- Quality Assurance Plan/Inspection Test Plan for supply items *(if applicable)*
- Acceptance of Annexure for Scope of work and Service level agreement.
- Safety Policy and safety organization structure

The technical bid shall be properly indexed and is to be submitted through TPNODL E-tender platform (Ariba) only. Hard copy of Technical Bids need not be submitted.**THIRD PART: “PRICE BID”** shall contain only the price details and strictly in format as mentioned in Annexure I along with explicit break up of basic prices, Taxes & duties, Freight etc. In case any discrepancy is observed between the item description stated in Schedule of Items mentioned in the tender and the price bid submitted by the bidder, the item description as mentioned in the tender document (to the extent modified through

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Corrigendum issued if any) shall prevail. Price Bid is to be submitted in soft copy through TPNODL E-Tendering system (Ariba) only. Hard copy of Price Bid not to be submitted.

SIGNING OF BID DOCUMENTS:

The bid must contain the name, residence and place of business of the person or persons making the bid and must be signed and sealed by the Bidder with his usual signature. The names of all persons signing should also be typed or printed below the signature.

The Bid being submitted must be signed by a person holding a Power of Attorney authorizing him to do so, certified copies of which shall be enclosed.

The Bid submitted on behalf of companies registered with the Indian Companies Act, for the time being in force, shall be signed by persons duly authorized to submit the Bid on behalf of the Company and shall be accompanied by certified true copies of the resolutions, extracts of Articles of Association, special or general Power of Attorney etc. to show clearly the title, authority and designation of persons signing the Bid on behalf of the Company. Satisfactory evidence of authority of the person signing on behalf of the Bidder shall be furnished with the bid.

A bid by a person who affixes to his signature the word 'President', 'Managing Director', 'Secretary', 'Agent' or other designation without disclosing his principal will be rejected.

The Bidder's name stated on the Proposal shall be the exact legal name of the firm.

3.2 Contact Information

All the bidders are requested to send their pre-bid queries (if any) against this tender through e-mail within the stipulated timelines. The consolidated reply to all the queries received shall be posted on TPNODL website by the stipulated timelines as detailed in calendar of events.

Communication Details:**Package Owner**

Name: Mr. Umesh Prasad Sahoo
Designation: Team Lead- CCG
Contact No: 8260447677
E-Mail ID: umesh.sahoo@tpnodl.com

Escalation Matrix

Name: Mr. Vipin Chauhan
Designation: Head- Contracts, CCG
Contact No: 9717393121
E-Mail ID: Vipin.Chauhan@tpnodl.com

Name: Mr. Pradip Sil

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Designation: Chief- Centralized Contracts Group
E-Mail ID: pradip.sil@tpcentralodisha.com

Bidders are strictly advised to communicate with Package Owner through TPNODL E-tender System (Ariba) only. They need to pay Tender Participation Fee and receive the Ariba log-in. Above escalation details are for reference purpose only.

3.3 Bid Prices

Bidders shall quote for the entire Scope of Supply / work with a break up of prices for individual items and Taxes & duties. The bidder shall complete the appropriate Price Schedules included herein, stating the Unit rate for each item & total price with taxes, duties & freight up to destination at various sites. The all-inclusive prices offered shall be inclusive of all costs as well as Duties, Taxes and Levies paid or payable during the execution of the supply / work, breakup of price constituents.

The quantity break up shown else-where other than Price Schedule is tentative. The bidder shall ascertain himself regarding material required for completeness of the entire work. Any items not indicated in the price schedule but which are required to complete the job as per the Technical Specifications / Scope of Work / SLA mentioned in the tender, shall be deemed to be included in prices quoted.

Applicable GST to be specified clearly.

The quantity break up shown else-where other than Price Schedule is tentative. The bidder shall ascertain himself regarding material required for completeness of the entire work. Any items not indicated in the price schedule but which are required to complete the job as per the Technical Specifications / Scope of Work / SLA mentioned in the tender, shall be deemed to be included in prices quoted.

3.4 Bid Currencies

Prices shall be quoted in Indian Rupees Only.

3.5 Period of Validity of Bids

Bids shall remain valid for 180 days from the due date of submission of the bid.

Notwithstanding clause above, the CCG may solicit the Bidder's consent to an extension of the Period of Bid Validity. The request and responses thereto shall be made in writing.

3.6 Alternative Bids

Bidders shall submit Bids, which comply with the Bidding documents. Alternative bids will not be considered. The attention of Bidders is drawn to the provisions regarding the rejection of Bids in the terms and conditions, which are not substantially responsive to the requirements of the bidding documents.

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The bidder is not allowed to modify or withdraw its bid after the Bid's submission. The EMD as submitted along with the bid shall be liable for forfeiture in such event.

3.8 Earnest Money Deposit (EMD)

As per Clause No. 3.1

3.9 Type Tests (if applicable)

The type tests specified in CCG specifications should have been carried out within five years prior to the date of opening of technical bids and test reports are to be submitted along with the bids. If type tests carried out are not within the five years prior to the date of bidding, the bidder will arrange to carry out type tests specified, at his cost. The decision to accept/reject such bids rests with CCG.

4.0 Bid Opening & Evaluation process**4.1 Process to be confidential**

Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process. Any effort by a Bidder to influence the CCG processing of Bids or award decisions may result in the rejection of the Bidder's Bid.

4.2 Technical Bid Opening

Bids shall be opened as per the schedule mentioned in Calendar of Events. In case of limited tenders, the bids shall be opened internally by CCG. In case of Open Tenders also, the bids shall be opened internally by CCG. Technical bid must not contain any cost information whatsoever.

The salient particulars of the techno commercial bid will be read out at the sole discretion of CCG.

4.3 Preliminary Examination of Bids/ Responsiveness

CCG will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the Bids are generally in order. CCG may ask for submission of original documents in order to verify the documents submitted in support of qualification criteria.

Arithmetical errors will be rectified on the following basis: If there is a discrepancy between the unit price and the total price per item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price per item will be corrected. If there is

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a discrepancy between the Total Amount and the sum of the total price per item, the sum of the total price per item shall prevail and the Total Amount will be corrected.

Prior to the detailed evaluation, CCG will determine the substantial responsiveness of each Bid to the Bidding Documents including production capability and acceptable quality of the Goods offered. A substantially responsive Bid is one, which conforms to all the terms and conditions of the Bidding Documents without material deviation.

Bid determined as not substantially responsive will be rejected by the CCG and/or the CCG and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

4.4 Techno Commercial Clarifications

Bidders need to ensure that the bids submitted by them are complete in all respects. To assist in the examination, evaluation and comparison of Bids, CCG may, at its discretion, ask the Bidder for a clarification on its Bid for any deviations with respect to the CCG specifications and attempt will be made to bring all bids on a common footing. All responses to requests for clarification shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted owing to any clarifications sought by CCG. After all techno commercial issues are clarified, the date of price bid opening will be intimated to the technically accepted bidders and same shall also be notified at TPNODL website.

4.5 Price Bid Opening

Price bids will be opened at the stipulated date and time. The EMD of the bidder withdrawing or substantially altering his offer at any stage after the technical bid opening will be forfeited at the sole discretion of CCG without any further correspondence in this regard.

4.6 Reverse Auctions

CCG reserves the right to conduct the reverse auction (instead of public opening of price bids) for the products / services being asked for in the tender and reserves the rights to conduct the manual negotiation with the BA who is declared L1 after Reverse Auction. The terms and conditions for such reverse auction events shall be as per the Acceptance Form attached as Annexure VI of this document. The bidders along with the tender document shall mandatorily submit a duly signed copy of the Acceptance Form attached as Annexure VI as a token of acceptance for the same.

5.0 Award Decision

CCG will award maximum Two Divisions / cluster to a single bidder. However, CCG shall reserve the right to decide the no. of Division and allocation of the particular Divisions to a respective BA while awarding the Contract. The decision to place award of contract

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order/LOI solely depends on CCG on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that CCG may deem relevant.

CCG reserves all the rights to award the contract to one or more bidders so as to meet the requirement or nullify the award decision without assigning any reason thereof.

In case any BAs is found unsatisfactory during the Contract period, the award will be cancelled and CCG reserves the right to award other BAs who are found fit.

6.0 Order of Preference/Contradiction:

In case of contradiction in any part of various documents in tender, following shall prevail in order of preference:

1. Schedule of Items (Annexure I)
2. Post Award Contract Administration (Clause 7.0)
3. Submission of Bid Documents (Clause 3.0)
4. Scope of Work and SLA (Annexure VII)
5. Technical Specifications (Annexure II)
6. Inspection Test Plan (Annexure VIII)
7. Acceptance Form for Participation in Reverse Auction (Annexure VI)
8. General Conditions of Contract (Annexure IX)

7.0 Post Award Contract Administration**8.1 Special Conditions of Contract**

- a. The overall period of the contract shall be for a period of 2 (two) years. The contract value shall however initially be placed for a period of one year only. TPNODL at its discretion reserves the right to extend the contract on a year to year basis as per the agreed rates.
- b. Contractor Safety Management System along with its amendments as issued time to time by TPNODL shall be applicable in this contract. All new amendments shall be effective from the date of their issue or from its date of intimation to the vendor by TPNODL whichever is later.
- c. TPNODL shall reserve the right to change the number of Customers in 1 or 2 divisions / Circles (as the case may be) considered in the contract during the period with 1 month notice in advance.
- d. TPNODL reserves the right to make changes to the scope of work with a view to optimize on the overall cost to TPNODL. The vendor shall fully cooperate with TPNODL in making such changes with an aim for overall cost optimization. The revised charges shall be jointly agreed upon between TPNODL and the vendor in such case.
- e. In case, a mutual consensus on the rates and other terms and conditions is not reached at between TPNODL and the vendor, TPNODL reserves the right to terminate the contract

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023**

by giving suitable notice period and allocating the same to any other vendor as deemed fit by TPNODL to maintain uninterrupted work conditions at site.

- f. Performance Bank Guarantee: Performance Bank Guarantee amounting to 5% of the annual contract value shall be submitted by the BA within 15 days from the date of award of rate contract, as per GCC (1.25% of the annual contract value for MSME bidders registered in the State of Odisha) for a period equivalent to contract validity period plus claim period of six month i.e. 18 months.
- g. BA shall deploy resources within 7 days from date of placement of Rate Contract.
- h. Bidders shall be required to establish and open its own office in all Division of the Circle for which the Contract is awarded. Bidder are required to submit an undertaking with the bid document with respect to opening of the same within 7 days of award of Contract.
- i. Unless communicated by TPNODL in writing, the contract shall automatically stand terminated after the expiry of its validity period without serving any notice thereof.
- j. TPNODL appreciates and welcomes the engagement/employment of persons from SC/ST community or any other deprived section of society by their BAs.
- l. Any change in statutory taxes, duties and levies during the contract period shall be borne by TPNODL.
- m. Business Associate(s) would engage an experienced Project Manager to report to TPNODL nodal officer for overall monitoring in the individual divisions. Before engagement of BA, CV of the Project Manager to be submitted by the Bidder to EIC. In case EIC is not satisfied with the CV submitted, BA has to replace the Project Manager.
- n. All statutory compliances shall be ensured by BA.
- o. Stabilization Period two months from the date of award of Contracts. Penalty should be imposed from the third month but incentive from the first month.
- p. All the terms and conditions of TPNODL SLA (Service Level Agreement) & GCC-Services shall be applicable.

8.2 Payment Terms

As per Special terms of Contracts

8.3 Climate Change:

Significant quantities of waste are generated during the execution of project and an integrated approach for effective handling, storage, transportation and disposal of the same shall be adopted. This would ensure the minimization of environmental and social impact in order to combat the climate change.

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****8.4 Ethics:**

- TPNODL is an ethical organization and as a policy of TPNODL lays emphasis on ethical practices across its entire domain. Bidder should ensure that they should abide by all the ethical norms and in no form either directly or indirectly be involved in unethical practice.
- TPNODL work practices are governed by the Tata Code of Conduct which emphasizes on the following:
 - We shall select our suppliers and service providers fairly and transparently.
 - We seek to work with suppliers and service providers who can demonstrate that they share similar values. We expect them to adopt ethical standards comparable to our own.
 - Our suppliers and service providers shall represent our company only with duly authorized written permission from our company. They are expected to abide by the Code in their interactions with, and on behalf of us, including respecting the confidentiality of information shared with them.
 - We shall ensure that any gifts or hospitality received from, or given to, our suppliers or service providers comply with our company's gifts and hospitality policy.
 - We respect our obligations on the use of third party intellectual property and data.

Bidder is advised to refer GCC attached at Annexure IX for more information.

Any ethical concerns with respect to this tender can be reported to the following E-Mail ID: ceoffice@tpnodl.com

9 Specification and standards: NA**10 General Condition of Contract:**

Any condition not mentioned above shall be applicable as per GCC for Service attached along with this tender at Annexure IX.

11 Safety:

Safety related requirements as mentioned in our safety Manual put in the Company's website which can be accessed by:

[http:// www.tpnodl.com](http://www.tpnodl.com)

All Associates shall strictly abide by the guidelines provided in the safety manual at all relevant stages during the contract period.

All jobs of this tender have to be executed strictly in compliance to the Safety terms and Conditions of TP Northern Odisha Distribution Limited. Please refer attached Safety terms and conditions, Annexure-X, for details. Violation of Safety norms will result in Penalty as mentioned in the above document.

TPCODL

TP Central Odisha Distribution Limited

TPNODL

TP Northern Odisha Distribution Limited

TPSODL

TP Southern Odisha Distribution Limited

TPWODL

TP Western Odisha Distribution Limited

CENTRALIZED CONTRACTS GROUP

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ANNEXURE I
Schedule for Items (Price Bid)

(Attached Separately)

CONFIDENTIAL

TPCODL

TP Central Odisha Distribution Limited

TPNODL

TP Northern Odisha Distribution Limited

TPSODL

TP Southern Odisha Distribution Limited

TPWODL

TP Western Odisha Distribution Limited

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ANNEXURE II

Technical Specifications

(Not Applicable)

CONFIDENTIAL

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****ANNEXURE III****Schedule of Deviations**

*Bidders are advised to refrain from taking any deviations on this TENDER. Still in case of any deviations, all such deviations from this tender document shall be set out by the Bidders, Clause by Clause in this schedule and submit the same as a part of the **Technical Bid**.*

Unless specifically mentioned in this schedule, the tender shall be deemed to confirm the TPNODL specifications:

S. No.	Clause No.	Tender Clause Details	Details of deviation with justifications

By signing this document we hereby withdraw all the deviations whatsoever taken anywhere in this bid document and comply to all the terms and conditions, technical specifications, scope of work etc. as mentioned in the standard document except those as mentioned above.

Seal of the Bidder:

Signature:

Name:

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****ANNEXURE IV****Schedule of Commercial Specifications*****(The bidders shall mandatorily fill in this schedule and enclose it with the offer Part I: Technical Bid. In the absence of all these details, the offer may not be acceptable.)***

S. No.	Particulars	Remarks
1.	Prices firm or subject to variation (If variable indicate the price variation clause with the ceiling if applicable)	Firm / Variable
1a.	If variable price variation on clause given	Yes / No
1b.	Ceiling	----- %
1c.	Inclusive of Excise Duty	Yes / No (If Yes, indicate % rate)
1d.	Sales tax applicable at concessional rate	Yes / No (If Yes, indicate % rate)
1e.	Octroi payable extra	Yes / No (If Yes, indicate % rate)
1f.	Inclusive of transit insurance	Yes / No
2.	Delivery	Weeks / months
3.	Guarantee clause acceptable	Yes / No
4.	Terms of payment acceptable	Yes / No
5.	Performance Bank Guarantee acceptable	Yes / No
6.	Liquidated damages clause acceptable	Yes / No
7.	Validity (180 days) (From the date of opening of technical bid)	Yes / No
8.	Inspection during stage of manufacture	Yes / No
9.	Rebate for increased quantity	Yes / No (If Yes, indicate value)
10.	Change in price for reduced quantity	Yes / No (If Yes, indicate value)
11.	Covered under Small Scale and Ancillary Industrial Undertaking Act 1992	Yes / No (If Yes, indicate, SSI Reg'n No.)

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****ANNEXURE V****Checklist of all the documents to be submitted with the Bid**

Bidder has to mandatorily fill in the checklist mentioned below:-

S. No.	Documents attached	Yes / No / Not Applicable
1	EMD of required value	
2	Tender Fee as mentioned in this RFQ	
3	Company profile/ organogram	
4	Signed copy of this RFQ as an unconditional acceptance	
5	Duly filled schedule of commercial specifications (Annexure IV)	
6	Sheet of commercial/ technical deviation if any (Annexure III)	
7	Balance sheet for the last completed three financial years; mandatorily enclosing Profit & loss account statement	
8	Acknowledgement for Testing facilities if available (duly mentioned on bidder letter head)	
9	List of Machine/ tools with updated calibration certificates if applicable	
10	Details of order copy (duly mentioned on bidder letter head)	
11	Order copies as a proof of quantity executed	
12	Details of Type Tests if applicable (duly mentioned on bidder letter head)	
13	All the relevant Type test certificates as per relevant IS/ IEC (CPRI/ ERDA/ other certified agency) if applicable	
14	Project/ Supply Completion certificates	
15	Performance certificates	
16	Client Testimonial/ Performance Certificates	
17	Credit rating/ Solvency certificate	
18	Undertaking regarding non blacklisting (On company letter head)	
19	List of trained/ Untrained Manpower	

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****Annexure VI****Acceptance Form for Participation In Reverse Auction Event*****(To be signed and stamped by the bidder)***

In a bid to make our entire procurement process more fair and transparent, CCG intends to use the reverse auctions as an integral part of the entire tendering process. All the bidders who are found as technically qualified based on the tender requirements shall be eligible to participate in the reverse auction event.

The following terms and conditions are deemed as accepted by the bidder on participation in the bid event:

1. CCG shall provide the user id and password to the authorized representative of the bidder. *(Authorization Letter in lieu of the same shall be submitted along with the signed and stamped Acceptance Form).*
2. CCG will make every effort to make the bid process transparent. However, the award decision by CCG would be final and binding on the supplier.
3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of CCG, bid process, bid technology, bid documentation and bid details.
4. The bidder is advised to understand the auto bid process to safeguard themselves against any possibility of non-participation in the auction event.
5. In case of bidding through Internet medium, bidders are further advised to ensure availability of the entire infrastructure as required at their end to participate in the auction event. Inability to bid due to telephone line glitch, internet response issues, software or hardware hangs, power failure or any other reason shall not be the responsibility of CCG.
6. In case of intranet medium, CCG shall provide the infrastructure to bidders. Further, CCG has sole discretion to extend or restart the auction event in case of any glitches in infrastructure observed which has restricted the bidders to submit the bids to ensure fair & transparent competitive bidding. In case of an auction event is restarted, the best bid as already available in the system shall become the start price for the new auction.
7. In case the bidder fails to participate in the auction event due any reason whatsoever, it shall be presumed that the bidder has no further discounts to offer and the initial bid as submitted by the bidder as a part of the tender shall be considered as the bidder's final no regret offer. Any offline price bids received from a bidder in lieu of non-participation in the auction event shall be out-rightly rejected by CCG.
8. The bidder shall be prepared with competitive price quotes on the day of the bidding event.
9. The prices as quoted by the bidder during the auction event shall be inclusive of all the applicable taxes, duties and levies and shall be FOR at Discom site.
10. The prices submitted by a bidder during the auction event shall be binding on the bidder.
11. No requests for time extension of the auction event shall be considered by CCG.
12. The original price bids of the bidders shall be reduced on pro-rata basis against each line item based on the final all inclusive prices offered during conclusion of the auction event for arriving at Contract amount.

Signature & Seal of the Bidder

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****Annexure VII****Scope of Work & Service Level Agreement**

The contract mention in the document has been bifurcated in three parts as mentioned below:

- a. Meter Installation Services (including Meter Testing and Modem Installation / rectification)
- b. Data downloading and modem Troubleshooting meters
- c. New Connection Field Services Management

Business Associate (BA) has to bid for all services mentioned in tender BOM and shall quote as per the BOM format only.

Bidder requires to submit Division Wise Price bid for all Division in the attached format as Annexure - Price Bid. CCG / TPNODL will award maximum Two Divisions / Cluster to a single bidder. However, CCG / TPNODL shall reserve the right to decide the no. of Divisions / Cluster and allocation of the particular Divisions / Cluster to a respective BA while awarding the Contract.

Bidders should calculate the item rates judicially and quote realistic price for every item mentioned in BOM. Item wise minimum cut off price will be there, failing which bidders will be disqualified to proceed further. CCG also Reserves the right to disqualify any Bidder if bid price offered by bidder is less than the 20% of the average price quoted by all the bidders for the particular divisions.

2. Meter Installation Services**2.1 Scope of Work shall include as per below:****2.1.1 Key Activities:**

1. Installation / Replacement / Removal / Reconnection / Shifting of meter with or without service cable (any Size) as per the requirement. (Single Phase Meter, Three Phase Whole Current Meter, LT CT and HT CT Meters with required metering accessories). Scrap

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material has to be returned back to the central store/Sub Store / Sub Div Store within 7 days.

2. Establishment of communication/connectivity with central server / AMR for 3 PH Whole Current (Smart Meters), LT CT (Smart Meters), HT CT Trivector meter (Smart Meters).
3. Bus bar/Distribution box Installation and replacement with removal of old bus bar / distribution box.
4. Rectification of site issues as per instruction from Site-in-Charge or Discom representative.
5. BA will have to receive material from Discom authorized Store on weekly basis for execution of the cases. BA should return the removed service materials, removed from site, to the Discom authorized Store designated for the purpose by next seven working days.
6. BA has to maintain space for stacking transit material at Division / Sub-division in urban and Sub- division / Section in Rural area as per BAs requirement to ensure timely execution of the cases. BA has to maintain the store and ensure that no damage / theft happens to material. Discom may audit this facility on monthly basis or as and when required. BA has to arrange for safe transportation of material from store/ stacking facility to site without additional cost.
7. Cases to be executed for meter installation will be shared through Soft copy / Excel list. Pre-printed numbered protocol books will be provided by Discom to BA. After deployment of CIS Software, cases will be forwarded to BA through system and BA will have to print the protocols on their own cost. BA to fill the protocols and handover consumer copy to consumer and return Discom in soft/hard copy to EIC. BA to keep record of protocols with him in hard or soft in traceable manner. Scanners printers required for remitting soft copy shall have to be arranged by BA.
8. After introduction of Mobile application for meter installation (Mera MMG 2.0), all meters to be installed through Mobile application. BA has to arrange suitable mobile handset (preferably with 6 GB ram and above) to install Mobile app for each and every meter

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installation team. Ba will also arrange Thermos printer to provide meter installation report to the consumers.

9. Installation of wall corner clamp / pipes / angles / fasteners for quality installation shall be provided by BA. Same to be captured in protocols and accordingly consumables shall be claimed by BA in invoice.
9. Rectification of faulty modems by replacing modems or any other accessory of modem / Installation of new modems in supervised / unsupervised manner. ITI Lineman (with minimum 5 years of experience) should be deployed for this task. Detailed Scope of work for modem rectification is provided in Annexure.
10. Each BA team (both single phase and poly phase) should have one supervisor (Diploma in Electrical Engineering)
11. BA has to reconcile/submit weekly detail of Material received, consumed & balance material. Period of reconciliation can be increased or decreased by Discom EIC.
12. BA will provide monthly MIS of executed work & the improvement plan of the deficiency in activity and discuss the same with Engineer In-charge.
13. BA should submit monthly MIS for their monthly billing. Same should be matched with System data.
14. BA should capture and store the photographs of the readings of the meters removed from site. In case the display of the meter is not available at site, BA should energise the meters at their store locations and get the reading of the meters and subsequently capture its photographs.

2.1.2 Salient features of Safety Compliances:

1. BA has to ensure implementation of Contractor Safety Management as mentioned in GCC attached separately with the tender document.
2. Required PPEs as per DISCOM standard has to be provided by bidder to all BA staff deployed in field and as well as in stores.

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3. Bidder shall deploy safety engineer (Diploma with 2 years of experience) for every 10 Teams or one per division (whichever is higher), having good knowledge of safety practices. He will ensure compliances of Contractor Safety Management (CSM) in field and provide MIS on daily basis for safety audits done during the day.
 - Safety Engineer will be reporting to Division In-charge or to officer as specified by Engineer in-charge.
 - Minimum 2% site audits for the executed cases to be conducted by safety engineer of BA with photographs.
 - It will be responsibility of BA to ensure Safety of team i.e. Lineman and Helper at site in all respect. He will ensure implementation of Job Safety Analysis (JSA) and Standard Operating Process (SOP) provided by Discom during metering activities.
4. All staff deployed in field will have to go through HOTT process of Discom and only those persons who clears the qualifying criteria will be allowed to work in field.
5. It is the responsibility of BA to keep their manpower well trained in Safety and well aware of following the Standard operating procedures (SOP) while working provided by DISCOM. BA will provide training schedule for their employees in particular month. After conducting the training, MIS of same shall be provided to DISCOM EIC. DISCOM officials may join in for such training sessions.
6. BA to ensure all statutory compliances required for scope of work, covered under this document.

2.2 Service Level Agreement

- 2.2.1 The agency shall execute the various activities through experienced and authorised persons as mentioned below:

Single Phase meter installation team shall comprise of:

- a. One Supervisor: One Supervisor who should be Diploma Holder in Electrical Engineering having one year of experience in maintenance of LT / HT Distribution network / metering

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activities. He should be capable of reading / writing Hindi, English and Odia.

- b. One linemen – (ITI – Electrical - The line man should be ELBO certified to work on LT network), having 2 years relevant experience. He should be capable of reading/ writing (Hindi/English/Odia).
- c. One Helper – (ITI – Electrical), having 2 years relevant experience. He should be capable of reading/ writing (Hindi/English/Odia).

Three Phase meter installation team shall comprise of:

- a. One Supervisor: One Supervisor who should be Diploma Holder in Electrical Engineering having one year of experience in maintenance of LT / HT Distribution network / metering activities. He should be capable of reading / writing Hindi, English and Odia.
- b. One linemen – (ITI – Electrical - The line man should be ELBO certified to work on LT network), having 2 years relevant experience. He should be capable of reading/ writing (Hindi/English/Odia).
- c. One Helper – (ITI – Electrical), having 2 years relevant experience. He should be capable of reading/ writing (Hindi/English/Odia).

Note:

BA to ensure that adequate manpower (according to meter installation/replacement targets set by EIC of respective Div /Sub-Div of DISCOM) is available for working at site if required over and above, the above mentioned composition to execute the work.

Meter Installer and Helper will not work on live line network.

BA should ensure that each of his supervisor should have android based smart phones with them with recommended apps installed so that any updating from the back office reach at the jobsite immediately.

Type of Vehicle to be used for metering activities:**2.2.1 Single Phase Metering services:**

- a. Any 4 Wheeler suitable for geographical terrain in area of operations (like Mahindra Supro

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- / Tata ACE / equivalent). Commercial Vehicle with proper documents shall be provided.
- b. 50% of Single Phase teams should be operated through 4 wheeler vehicles.
 - c. In every Sub-division there should be at least one 4 wheeler for installation / replacement of the meters where cable installation / removal is to be done at sites. This vehicle will also be utilized for transportation of DISCOM engineer for Single Phase and Meter installation team.
 - d. 4 wheeler vehicles should not be more than 2 years old and should not have total KM run more than 50000 KM at the start of contract.
 - e. Driver of 4 wheeler vehicles must have valid commercial license.
 - f. Bidder may utilize services of driver as helper to optimize the team composition. He has to ensure that the driver is performing the duty of helper while metering activity is being executed at site.
 - g. For sites where mass meters are to be replaced without cable activity, BA may provide combination of 4 wheeler vehicles and bikes for performing metering activities. Bikes should not be more than 2 years old and should not have run more than 20000 KM at the start of contract.
 - h. Bidder to ensure all Statutory Requirements for operating these vehicles during all working hours in DISCOM.
 - i. Single Phase team will assemble in office from where vehicles have to start for work on daily basis. This place may change with in division based on availability of work.
 - j. DISCOM engineer will accompany the BA Team for performing metering activities. BA has to accommodate his movement from office to site / site to site along with BA team.
 - k. The vehicles for installation of meters shall depart on or before 09:00 am every morning only under direct supervision of Site In-charge.

2.2.2 Three Phase Metering activities :

- a. Activities of three phase metering services, shall only be done with 4 wheelers vehicles. 4 wheeler vehicles should be suitable to carry execution team, material (including Tools and Tackles), and DISCOM engineer. The vehicle should be Tata TL 4X2 Crew Cab / Mahindra crew cab / Equivalent / Higher.

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- b. All vehicles should not be more than 2 years old and should not have run more than 50000 KM at the start of contract
- c. Bidder to ensure all Statutory Requirements for operating these vehicles during all working hours in DISCOM.
- d. Three Phase LT Metering Team and Modem (Technician) of BA will report to 3 Phase LT Engineer- MMG in Division.
- e. Three Phase HT metering / DT metering / HT meter testing team will be reporting to concerned Engineer in Circle.
- f. The vehicles for installation of meters shall depart on or before 09:00 am every morning only under direct supervision of Site In-charge.
- g. For transportation of heavy metering equipment like CT/PT units or cubicles, BA to deploy suitable vehicle for transportation of material from Central Store to Lab (for testing) and thereafter to site for installation. BA should also deploy crane for installation of heavy equipment.

Additional manpower / teams along with vehicle shall be deployed by bidder within 15 days of receipt of request from DISCOM with specific target for any additional activities. These additional teams shall be deployed for at least 3 month by respective engineer in-charge and shall ensure that the targets should be met as specified in the requirement.

2.2.4 EIC Monitoring Mechanism for daily activities

- Circle in charge MMG (HOG- MMG)/TL-MMG /EE (MRT) will be Engineer in charge (EIC) for execution of work for concerned divisions / Circle.
- EIC / Circle / Division in-charge will intimate BA to deploy number of teams as and when required.
- BAs' areas/ division/ sub-division, as the case may be, can be restricted to specific location/ area as per the business requirement to operate. Localisation of BAs' Division wise / Sub-division wise, Jobwise (Normal business/ smart meter if required) or Hierarchy-wise (BAs working under Metering Head-Division(Any)) can be done as per the decision of engineer in-charge and will be informed to bidders in advance to plan their movement accordingly.
- BA team composition with advance notice to bidder can be amended as per organizational

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requirement. In this case revised rates as quoted by BA will be applicable.

- EIC may allocate 2 different stores to a BA operating in any Division from where material can be drawn, this should be noted that number of stores may increase and accordingly store allocation may change.
- Monthly targets will be intimated to the BAs two weeks in advance as per requirement and BAs capability. Targets will be signed mutually by both BAs and MMG.

2.2.5 BA compliances for daily activities:

- Capturing clear photographs of all meters installation cases and return (not executed) cases due to constrains at site. The photographs shall be submitted in MMG in form of digital media like share drive/ external memory drive etc. bi-weekly on sorted K.NO/CA-wise. Generally, 5-6 photos have to be brought as: a. Meter, b. Connection point at pole end, c. Sag provided, d. Service Cable at consumer end & e. Pole No, f. Photograph of old removed meter reading.
 - The photos shall be sorted based on notification number & meter number wise and same shall be submitted to respective Engineer In-charge on weekly basis.
 - Capturing of GPS co-ordinates of meters in protocol will be must.

After implementation of Mobile app (Mera MMG 2.0), BA must process all cases through mobile App and photographs to be captured in app.
- HT meter execution team will have to perform work of 3 Phase metering activities on need basis.
- The agency will get the job advices for next working day, on previous evening. The vehicle shall be loaded with meters and accessories on previous evening itself and must be parked at designated location. These vehicles can be audited by DISCOM staff at any time with or without prior intimation to BAs.

For three phase activity:

For execution of work pertaining to connections with Sanctioned load \geq 20 KW, BA representative has to make pre-visits to plan for requirement of site like material, quantum

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of work, shut down etc. To have meaningful visit at the customer site, BA shall send his request to EE (Three Phase metering), Engineer-HT metering and Projects team for joint visit as per site requirement for outcome in one or two pre-visits. DISCOM official as per their suitability shall join the BA team for constructive visit at consumer site to avoid multiple visit of BA for same job. This will reduce inconvenience to consumer as well.

DISCOM official shall hold meetings with Gram Panchayat, IWAs, RWAs for initiating execution of metering activities. Subsequent to this, during execution stage, numerous circumstances shall emerge hindering the execution of smooth progress. In order to curb these circumstances, BA has to plan interaction with IWA / RWA / Gram Panchayats, or any other person. BA shall request HoG (Single Phase) for visit to site for meeting for desired output from the executing team, if required.

Bidder shall engage one vehicle, per set of division, for above mentioned 2 activities. Conveyance (4 Wheeler Vehicle for pre-visits to site is in scope of BA).

- d. For arranging meetings with Gram Panchayat, IWAs, RWAs for initiating execution of mass metering activity, BA has to make multiple pre-visits to site along with DISCOM representative. In addition, there may be various site conditions during execution where DISCOM representative would be required to visit the site. Further to this, BA may require presence of TL for various trainings and safety talks with teams. BA if requires, may engage TL (Single Phase metering) and take him to site / office based on his availability. BA may request TL Single Phase metering to join him for these interactions at desired locations. BA to engage a 2 wheeler vehicle (preferably Battery operated type for urban area and petrol operated for rural area), for Team Lead Single Phase metering for such movements.
- e. The agency will be responsible for loss or damage of meters and other associated material if any for which DISCOM can resort to recoveries.
- f. BA to co-ordinate with lab in-charge and ensure that sufficient no of tested meters are received from lab for next 3 days of execution.

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****2.2.6 Manpower Deployment for Support Activities**

- a. BA to provide one helper per division for Meter Testing lab for handling meter / material coming from central stores and going back to central store / Site. These persons will be stationed at Meter Testing lab and will support meter testing lab staff for day to day work. (These helpers will be required in Balasore lab, Jajpur Lab (Under construction).
- b. BA to depute one helper to ensure that adequate no of LT CT tested meters are pre-assembled and compositely tested in back office for execution of work for next 3 days at site. (Bidder working in MRT division also responsible for HT works in circle will provide this manpower).
- c. BA to deploy one KPO per division for MIS generation, scanning of protocols, Co-ordination with BA field teams and Issuing of cases for next day to field team for Single Phase, LT meters and LT Meter Testing. This person will be stationed in division.
- d. BA to deploy one KPO per Circle for MIS generation, Co-ordination with BA field teams and Issuing of cases for next day to field team for HT CT meters, DT CT Meters and HT meter testing. This person will be stationed in Circle Office.

2.2.7 Submission and punching of protocols :

- a. BA shall ensure daily submission of filled protocol sheets of all type of activities, for all the jobs completed during the day, at MMG Sub-Division / Division office or other suggested DISCOM location on same day of execution.
- b. BA shall enter Meter Installation details through Mobile Application (Mera MMG App) directly from site . Required Gadget like Mobile Hand set(More than 6 GB RAM) and Thermal Printer will be in BA scope.
- c. Bidder to arrange sufficient manpower for punching/scanning of protocols in system on next day of execution of work. Movement of protocols to data centre (where Protocol Punching operators will be sitting) and after punching to record room (where all protocol will be kept for record) will be in scope of BA. BA to arrange for required no of computers, scanners, printers, internet connections for punching of same. This KPO will be stationed at Division office.
- d. Agency should maintain proper records of duplicate copies of protocols in hard and soft in easily retrievable formats at his location. Agency shall submit the same on any such

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requirement of protocols / data as per requirement from DISCOM.

- e. DISCOM reserves the right to amend the schedule for submission of protocols. All such data maintained cannot be shared with third party without prior information to Engineer In-charge.
- f. DISCOM during the period of contract may introduce mobile/tab based protocol entry which agency shall have to ensure for its implementation.

2.2.8 Daily Monitoring Mechanism, Reports and MIS:

- a. Agency shall provide Daily Meter Installation Report in format provided by DISCOM to capture site visit details and submit the same to MMG/MRT in the same evening. DISCOM may change the format of control sheet as per requirement of EIC on time to time basis.
- b. BA shall be responsible for reconciliation of material and generating all reports & formats including exception reports.
- c. All new connection cases shall be completed in 2 working day from the date of issuance of case.

Testing of meters**2.2.9 Testing of LT meters**

- a. DISCOM will provide accu-check (Standard Meter for testing of accuracy of meters) for testing.
- b. One team per division comprising of one Diploma holder (Electrical) with 2 years of experience in maintenance of LT / HT Distribution network / metering activities and one Technical (ITI) along with required transportation.
- c. These personals will report to Meter Testing lab In-charge / Single Phase division In-charge as decided by EIC.
- d. Maintenance of Accucheck will be in scope of BA, however annual calibration of same will be done by DISCOM (Cost of BOM should include on manpower cost).

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- e. All seals that will be broken during testing have to be mentioned on protocol and handed over to respective HOG(MMG) / EE (MRT). No meter will be left unsealed after testing.
- f. Accuracy results along with required information should be captured in protocol.

2.2.10 Testing of HT Meters

- a. DISCOM engineer will supervise the testing.
- b. BA to provide one Technician (ITI with 3 years of relevant experience).
- c. Testing equipment will be provided by DISCOM.
- d. Transportation of engineer, Test equipment along with BA staff will be in scope of BA. This should be 4 wheeler vehicle like EECO / Bolero / equivalent and suitable for smooth functioning of site works.
- e. Maintenance of Accu-checks will be in scope of BA, however annual calibration of same will be done by DISCOM.
- f. Maintenance and annual calibration will be in scope of DISCOM, however BA to take adequate measures for proper up keeping of test equipment.
- g. Accuracy results along with required information should be captured in protocol.
- h. This team will test all HT meters falling under the jurisdiction of circle.

2.3 Payment Terms:

At the end of each month, BA shall provide reconciliation of protocol in the system. Based on reconciled protocol, the payment shall be released as per below milestone:-

- a) 90 % payment shall be released within 30 days of bill submission subject to fulfilment of statutory compliance.
- b) 10% payment shall be released after safety / quality parameter verification by EIC / within 60 days, whichever is earlier.

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- a) Bills must be submitted on monthly basis (for activities performed from 1st date of month to last date of month) within 3 Working Days of the next month at DISCOM location intimated from time to time.
- b) Bills must be prepared on the basis of protocols updated during the month.
- c) The bill must be submitted along with the required supporting documents as informed by EIC.
- d) Bills shall be verified at MMG/MRT back office and further processing shall be done on the basis of verification.
- e) DISCOM shall not be liable to delay in payments on non-confirmation of above required.
- f) Separate bills should be raised for activities performed under concerned EIC.

2.5 Incentives to the Agency Criterion:

- a. All issued new connection, re-connection with meters done within two day and faulty, enforcement cases done within 3 days of issuing to respective team. Consolidated Amount Rs 5000 /- will be given to one BA per month.
- b. Best Team based on competitive assessment and judgment of Engineer In-charge Consolidated Amount--2000/- will be paid to concerned BA. (Best one team per month)
- c. No meters pending (of age greater than 2 days) Consolidated Amount--5000/- per agency per month.

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1. Penalty of Rs. Delay in installation 50/- per day per case will be imposed in each of the following categories:
 - a. of New connections beyond 2 working days.
 - b. Delay in Submission of Protocol beyond two working days after completion of job.
 - c. Return of removed meters / material at scrap store beyond one week.
2. If meter gets burnt due to poor workmanship, penalty equal to cost of meter will be recovered.
3. In case of false reporting (like wrong picture, wrong details, and wrong return remarks) for return case by bidder, a penalty @ 2 times the rate of execution of the concerned case shall be levied.

2.6.2 Penalty for non-compliance of Tools and Vehicle

1. Non availability of items in vehicles / non-availability of specified vehicle, at the time of surprise inspection. Penalty @ Rs 2000/ - per such occurrence will be imposed.
Total penalty under clause 2.6.1 and 2.6.2 taken together will be as following :
 - This will have an upper sealing of 10% of monthly bill amount raised by BA.

2.6.3 Penalty for non-compliance of Safety and Ethics

1. All penalties as per Contractor Safety Management (CSM) will be applicable.
2. BA not able to conduct 2% safety audit as per submitted monthly report for any set of division, failing which penalty @ Rs 5000/- per month, will be imposed on the bill of that set of division.

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3. Reporting of any unethical activity against BA / replacement of tamper meter, a penalty of Rs 10,000/- per occurrence will be imposed and or termination of employee / contract with Agency can be done as per the discretion of EIC.

2.6.4 Penalty for Non reconciliation of material:

1. Monthly reconciliation of new and removed meter to be completed by bidder by 7th of every month for last month. Processing of bill for the month will be done only after submission of re- conciliation report from EIC. Upon reconciliation, if any material (other than meters and Seals) is found missing, the cost of such missing material will be recovered.
2. Loss of any DISCOM meter or seal (FIR lodged with police station and informing DISCOM within 3 working days) Rs 5000/- per single phase meter, Rs 12,000/- per three phase whole current meter, Rs 20,000 /- per CT meter and Rs 1000/- per seal will be imposed.

Engineer in Charge is the final authority to waive off any penalty based on site conditions / circumstances beyond the control of BA.

No penalty will be imposed in first 2 months of execution on target based performance parameters. LD details in tabular form are given in Annexure.

2.7 PPE, Tools & Tackles:

The agency shall provide the tools and tackles to each team as per specifications / PPE matrix (Annexure-2) or through any other notification as shared by DISCOM, Brief list is provided below :

2.7.1 Regular Tools:

- a. Crimping tool
- b. Hammer

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- c. Phase tester
- d. Lineman's Insulated pliers
- e. Wire stripping pliers
- f. Saddles
- g. Screw Driver
- h. Tool box
- i. Double test lamp
- j. Pre-define Insulated torque Spanner Set
- k. Measuring Tape
- l. Pre-paid Meter Crimping machine
- m. Phase Separator
- n. Safety Pouch for keeping tools while working
- o. Safety cones with Caution tapes
- p. Torch / Emergency light
- q. First Aid Box
- r. Rope
- s. Copper/ Brass chains & shorting leads
- t. Fire extinguisher
- u. Ladder (foldable type(2/3 Layer, or bamboo ladder or as advised by DISCOM) for suitable height

Or any other material as per site in charge requirement

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1. As per PPE Matrix shared by DISCOM in Annexure 2:

- Double rope Full body safety Harness with latch system & thigh protection (EN 361:2002/ EN 358 : 2000/IS: 3521:1991/2002)
- Safety helmet (IS:2925-1984) with visor (EN: 166 CE marked) with long visor
- Safety shoes (IS:15298), insulated gloves(EN: 60903 CE marked),
- Rubber mat (for shock resistant upto 11KV).
- 1.1 KV grade Electrical safety hand gloves

Any other PPE as per Engineer In-charge requirement.

Note : Any other Standard tool which BA considers to be used should also be included. Bidder to ensure to keep minimum of 5 % reserve of all tools and tackles to meet the daily requirement without hampering the work. Stock register to be maintained by BA and shall submit a copy of same to DISCOM for verification along with monthly bill being invoice submitted.

2.8 Materials for execution of work:**2.8.1 Materials issued by DISCOM:**

All major items viz Meter, Meter Boxes, Cable, meter seals, Bus bars Box, Distribution boxes, Cable Glands (for pole mounted DBs), PVC Caps for LTCT box. BA will reconcile the material issued by DISCOM on regular intervals specified by DISCOM.

2.8.2 Materials would be supplied by BA :

1. Cost shall be included in the BOM activities) : Cable anchor clamp, shackle insulator, GI wire(7/10Sq.mm), D- clamp, line taps, wedge connectors, cable tie, wall corner clamps etc, Lugs for 95sq mm & 150 sq mm or any other size as per size requirement, fasteners, nails, Saddles, Nut Bolts, Thimbles, ISI marked Insulation tape, HT tape, M seal, Ferrule,

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Aluminium binding wire, Bobbins, Earth wire (multi stand-16 MM), Pre-paid meter connector, cotton tape, spring washer, Link of suspension clamp, Steel Straps & Buckles, carbon paper, pins etc. and any other miscellaneous items of quality specified by DISCOM.

2. Material shall be supplied by BA as and when required /as per site requirement and would be paid by DISCOM -
 - a. Jubilee Clip - for providing earth at meter end.
 - b. Pre-fabricated MS structural angle/channel/ flats of size (b x h x t) (50 x 50 x 6) of 300 mm long.
 - c. Pre-fabricated GI structural angle /channel/flats of required size. 1 set GI angle contains 2 no. of Slotted angle of size (40 x 40 x 6) of 400 mm long) and 2 nos of GI nut bolts of size (16 mm x 200 mm long) for cable size upto 4*150 sq.mm.
 - d. Pre-fabricated GI structural angle /channel/flats of size. 1 set GI angle contains 2 nos of Slotted angle of size ((50 x 50 x 6) of 400 mm long) and 2 nos of GI nut bolts of size (16 mm x 200 mm long) for cable size upto 4*300 sq.mm.
 - e. Assorted Size (25 mm to 100 mm) of GI Pipe for underground cable connection. Digging provision along with ROW permission wherever required for underground cable connection will be taken care by BA. MS /GI structure will be in the form of slotted angle/D Clamp (at pole end/Temporary Connection/Distribution box), extension angle (where ground clearance to be extended at consumer end), angle bracket with double anchor fastener (at consumer end) etc. (Wherever not mentioned, DISCOM reserves the right to modify / amend the above as per requirement)

2.9 Certificate of Quality:

BA shall submit a self-certification for quality of installation with every bill submitted to DISCOM to confirm that installations have been in accordance with procedures / standards laid down in this document and other quality norms of DISCOM. If any

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deviation in Quality is observed, agency will rectify within 10 days of notice given by DISCOM.

2.10 Statutory Requirements:

The BA is required to complete the following minimum statutory compliances and submit the documentary evidence for the same.

- a) Provident Fund code
- b) Obtains ESI no. of all employees.
- i. Gets its workers insured so that he is in a position to make the payment under Workmen Compensation Act in case of any eventuality. Please refer GCC guidelines for the same having mention of insurance requirement.
- ii. Submits information to Principle Employer on the Standard Format
- c) Obtains Form V from the Principle Employer
- d) Obtains labour license from the Labour Dept.
- e) Complies with the CL (R&A) Act.
- f) Possesses a valid Service tax registration certificate.
- g) Workmen Compensation, PA Insurance of worker / supervisor deployed in the job ; Copies to be submitted to DISCOM
- h) Any other document required as per statutory requirement / applicable time to time.

2.11 Installation Practice:

- a. Installation / replacement of LTCT meters shall be done with complete grouting, commissioning, and energization, communication of Meter (if applicable) and seal installation.

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- b. Installation / replacement of HT 11 KV meter along with indoor Metering cubicle, energy meter and modem including to and fro transportation, commissioning and energization in all respect (i.e. grouting, masonry work, two earth connections, HT cable ends termination, socket/ thimble crimp, tape, plug cable entry hole, sealing cable end boxes, meter terminal cover, window and chamber door. Metering cubicle has to be collected from Circle Store / Meter Testing Lab). Installation of Metering Cubicle should be done with crane.
- c. Installation / replacement of new HT 11 KV meters along with outdoor Metering CTPT unit, energy meter and modem include to and fro transportation, commissioning and energization in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30 feet height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door and any other minor work for completion of installation.) Installation of Metering Cubicle should be done with crane.
- d. All service cable installation / replacement shall include the installation of saddle, fastener for support.
- e. Installation of distribution box / pole mounted bus bar on pole shall be done with steel strap and buckles.
- f. Repair in CT Meter termination will include installation of thimble / socket crimping gland change, cable lead extension crimping and tight.

Detail Standard Operating Practice will be shared with successful bidders.

3. Field Service Executive Services (FSE Services)**3.1 Scope of Work & Service Level Agreement:****3.1.1. Key Descriptors of Performance Contract**

1. The bidder shall deploy manpower for

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- a. Field staff for site visit report.
 - b. Support Back office (@BA location) for monitoring/ QC/ reports/ confirmation calling etc.
2. Bidder shall ensure to submission of New Connection file, Attribute Change file along with other documents at Division office (Engineer In Charge will decide the location) after collecting the same from associated Sub-Division, Section office within 1 working day. Further, proper reconciliation of document has to be ensure by the bidder.
 3. The Engineer In charge for this work shall be HoG –MMG.
 4. The bidder shall ensure to maintain the privacy of data and records provided by DISCOM for the execution of this Contract and under no circumstances take any data or records from DISCOM premises without proper approvals/sanctions by Engineer In-charge.
 5. Bidder and its employees or representatives thereof shall strictly maintain the confidentiality of all data's, documents, papers, correspondence and any other information its business, operations, divulge or communicate to any third party or use for its own purpose any above mentioned information, etc. the Bidder shall neither disclose nor use the above for any purpose whatsoever without prior written approval of Engineer In-charge. In case of violation of this clause, the bidder is liable to pay compensation and damages as may be determined in this document.
 6. Payment shall be made on complete site visit report including Technical and Commercial aspect and only on monthly basis as per scope of work and service level agreement.

3.1.2 Manpower Qualification:

S. No	Manpower Category	Qualification
1	Supervisor	Graduate or with higher qualification with good knowledge Computers / team handling
2	Field Staff Executives (As per requirement)	ITI / 12th pass should be able to read and write in English, Hindi and Odia and should have smart phones

As far as the approximate volume of the work to be handed by each FSE for site visit, this is a performance based contract and the manpower deployment by bidder shall be based

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as per requirement. The said supervisor shall operate from DISCOM Division office for correspondence, resolution of issues / monitoring/ follow-ups arising w.r.t Field visits and to supervise day to day activities of processes defined above, as per direction of Engineer In-charge.

3.1.3 Scope of Work & SLA: Site Visit – Field Staff Executive

1. Bidder shall arrange site verification activities by pre-scheduled appointment with consumers (irrespective of any holidays) and submission of report in formats/requirements by DISCOM. The appointment scheduling wrt date & time, may be provided by DISCOM or taken by vendor/BA as decided by Engineer In-charge.
 - a. Appointment Fixed by DISCOM: Bidder to ensure that the Site visit to be conducted as per the schedule given by DISCOM.
 - b. Appointment to be taken by bidder: Bidder to ensure that the appointment along with site visit to be conducted within 2 days of request received in system.
 - c. Site verification report (SVR) for new connection, attribute changes and confirmation of dues to be provided in hardcopy of (SVR) to be submitted in DISCOM Division office by next working day from the date of site visit by bidder. The hard copy of SVR must have signed by FSE & duly stamped by bidder and submitted.
2. Bidder shall maintain and provide daily, weekly, monthly MIS and reports to DISCOM as per formats provided by DISCOM.
3. In site verification report(SVR) bidder has to capture details like :
 - a. Name of the Applicant
 - b. Address
 - c. Phone no.
 - d. Service cable required

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- e. Service cable length
 - f. Pole No
 - g. Distribution Transformer No
 - h. Stage of Construction: Under Construction/Complete Constructed.
 - i. Is applied premise is separate dwelling unit / industrial unit: Yes/No
 - j. Adjoining K No. and Meter No. of meters installed in the same premise, left & right of premise.
 - k. Capturing Photographs(soft-copy required) of the site where meter to be installed preferably with applicant & of the premise covering left & right premise
 - l. Capturing same premises KNO / Meter .No.
 - m. Total Area & Applied Area.
 - n. Total no of floors and applied floors and details of any additional address as informed by applicant
 - o. Area map / Location map
 - p. GPS Coordinates
 - q. Observation / Details remarks etc as per formats/ requirement given by DISCOM.
 - r. Additional details may also be included as per the requirement of the process/activity.
4. Necessary form for site verification and other data capturing form along with cover shall be provided by DISCOM.
 5. Bidder shall ensure mandatory site (as per the format/ requirement) the physical report copies by field executive of all visits to be deposited to DISCOM by next working day.
 6. Timelines as defined in the scope of work & service level agreement and the system of FIFO(First in first out) to be incorporated in all cases except for any of the following:-

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- Court Cases
 - Cases referred by Customer Service Manager (CSM)/HOG/TL – New Connection
7. In the above referred cases the BA may be asked to collect/ submit any type of document from customer and file preparation at any time during the day as required by Engineer In-charge.
8. Quality checking of the site visit report/ document collected (all the entries in site verification report or field report are correctly filed) to be done by bidder.

3.1.4 PERFORMANCE STANDARDS AND TIMELINES FOR FSE SERVICES:

The volume considered is on estimated basis. Approximate Daily volume against Performance metrics for above mentioned scope of work is as below;

DESK/ACTIVITY	APPROXIMATE	PERFORMANCE	MEASUREMENT	TIMELINES/ QTY
FSE Activity	400	Site visits done as per SLA	No. of OK site visits	Daily

3.1.5 LIQUIDATED DAMAGES TOWARDS PERFORMANCE:

Penalties towards performance and other activities related to scope of work which can be levied on account of safety, quality and timelines are defined as below. However if bidder is not able to meet requisite performance standards on account of circumstances attributable to DISCOM, the penalty can be waived off with due approval of competent authority.

The BA shall be liable for levy of performance penalty/ rejection for any discrepancy / error in the services rendered by the service provider that shall be checked / audited / reported by DISCOM. In case of such occurrence following deductions shall be levied:-

Sl.NO	ACTIVITY	PENALTY (AMNT IN RS.)
1	Submission of complete SVR report within timelines as specified (A)	No Deduction
2	Submission of completed SVR beyond the defined timeline	Rs. 50/- per case

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3	Submission of file at division level after collecting it from respective Sub-Division, Section Office within 1 working day.	Rs. 50/- per file delay
4	In case of any misconduct with applicant.	Rs. 1000/- per case
5	Any fake / wrong information from site will lead to the termination of contract / penalty or both	Rs. 1000/- per case
6	Any unethical activity will lead to the termination of contract OR penalty OR both	Rs. 10000/- per occurrence

LD details in tabular form are given in Annexure 3.

Scope of Work for Data Downloading & Special Site Inspection**4.1 Brief Description:**

Scope of Special meter reading shall also include reading with any of the following instruments

- CMRI
- Smart meter reading Device (Android Phone/Tab)
- Manual meter reading

Downloading the Electronic data using CMRI and to provide the same data to Utility

4.2 Service Level Agreement**4.2.1 EIC Monitoring Mechanism for daily activities**

1. It shall be also obligatory on BA to comply with all the statutory requirements related to Work-permit

4.2.2 BA compliances for daily activities:

1. All resource like Manpower, Phone, tool including CMRI / Laptop and software to download data of meters installed in DISCOM and transportation to be provided by business associate.

2. All planning and working as per schedule and providing qualified manpower, seal management, field work to be organized by business associate.

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3. Agency to keep up with new technology and take care of any advancement in software / hardware functionality.
4. Manual reading as per requirement of the UTILITY to be provided in given format.
5. In case of Premises locked (PL) / Box Locked (BL) a notice has to be pasted at prominent place on the premises and photographs of the locked premises and notices etc to be submitted along with the protocols and copy of notice.
6. In case of No Meter (NM)/ Disconnected (DC) and Sealed Premised (SP) cases format is to be filled and photographs of the same is to be submitted along with the protocol.
7. Data to be downloaded from the meters after cutting the box seals only. No other seals to be handled with. Seals are to be re-fixed after completion of data download with the seals provided by UTILITY. Damaged Seals are to be returned back to EIC.
8. Complete billing and load profile data to be downloaded as per instructions of UTILITY.
9. Protocols to be filled up with and signed by the consumer / its representative and the copy of the same to be handed over to the consumer, one copy of signed protocol to be returned and submitted to EIC or officer nominated/designated officer of DISCOM.

4.2.3 Daily Monitoring Mechanism, Reports and MIS:

10. Business Associates will follow the monthly, weekly, daily schedule of meters to be downloaded provided by UTILITY.
11. Seal reconciliation to be done by business associate and report in format as agreed has to be submitted on daily basis.
12. In case of faulty meters, burnt meters, damaged cable or any visibly obvious things leading to theft of power will have to be reported same day/ 24 hours in the format prescribed by the Utility.
13. Data to be uploaded in UTILITY designated systems only within 24 hrs. Data shall not be dumped or copied in other systems without written permission of UTILITY.

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14. Protocols with soft copies in required format to be submitted to UTILITY within 48 hours.

15. In all remarks cases, photographs are required as a valid proof/evidence.

4.3 Payment Terms:

16. At end of each month, BA shall provide reconciliation of protocol in the system. Based on reconciled protocol, the payment shall be released as per below milestone:-

17. In case of data downloading of meter at abnormal height to be carried out for which the Business Associates would be paid @ 2 times of quoted rate of data downloading. Business Associate(s) shall arrange meter reading through ladder where meter is installed at height. At least a portable/foldable ladder should be available on each location.

18. Payment shall be only made for meters communicated correctly at UTILITY desk and subsequently submitting completed protocols in every respect.

19. In case of PL, NM, Disconnected, EM & IR cases visit charges @50% of quoted data downloading rate will be paid if manual reading is provided where ever is possible and photographs is mandatory in all the cases. However a penalty @ 2 times quote rate will be levied, for wrong remark reporting.

4.4 Tools, PPEs and Safety Training:

1. All readers deployed by BA have to undergo trainings (Hands on Technical Training-HOTT) which will be provided by DISCOM Employees in association with BA.

2. All readers will have to undergo an assessment. Only those readers, who will clear the assessment will be allowed to work at site.

3. BA shall provide Personal Protective equipment to all its employees.

3.1. Safety helmets, Safety Shoes, Safety Belts, Goggles, hand gloves etc. to its employees / workmen deployed as per the specific requirements of the job being performed.

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4. BA shall ensure adequate safety precautions at site as required under the law of the land and shall be entirely responsible for the complete safety of its workmen as well as other workers, public, equipment, structures etc. at site

4.5 PENALTIES FOR NON-CONFORMANCE

1. If Business Associates is not able to provide downloaded data during CMRI activity from a meter but UTILITY officer/engineer/technician or any other agency appointed by UTILITY is able to download the data without any rectification of meter or replacement of meter penalty @ 2 times per such case will be imposed.

2. Penalty is to be levied on wrong reporting of manual reading @ 2 times the rate of manual reading.

3. Jobs not completed within one week (7 days) will be treated as job not done. Penalty will be imposed on such cases @ Rs. 100 per case per day. However no penalty will be imposed for technical reasons of non-compliance.

4. Wrong seal reconciliation or non-conformance of the work will be liable to be penalized @ 2 times of activity rate.

5. If seal numbers are not mentioned in the protocol, or signatures are not obtained by consumer/ consumer representative severe penalty @ 2 times the quote rate will be imposed. However if consumer refuses to sign the protocol intimation of the same to be given to engineer of contract or to be informed to UTILITY immediately from site. (However, exemption for signature is given in case of Govt. connection, Mobile towers and Street Light connections)

6. The contract may get terminated if it is found that the agency is involved in malpractices of seal tampering or helping in such cases lead to power theft. In such cases black listing and legal action also may be taken against the agency / its employee.

7. In all cases where agency is giving remarks Photograph should be provided to prove the remark else remarks will be considered as wrong.

8. Any wrong reading submitted to the utility Rs 100 per case will be penalized.

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9. Loss of any DISCOM Seal (FIR to be lodged with police station and informing DISCOM within 3 working days), a penalty of Rs 1000/- per seal will be imposed.

10. Safety violation as per Contractor Safety Management (CSM) will be applicable.

Engineer in Charge based on site conditions can modify the penalty clause other than covered by CSM.

It will be imperative on each Bidder to fully inform himself of all local conditions and factors, which may have any effect on the execution of the Contract covered under these documents and specifications. UTILITY shall not entertain any request for clarifications from the Bidders, regarding such local conditions.

LD details in tabular form are given in Annexure.

4.6 Incentives

Extra Connections: Reporting Extra Live connections not in utility Billing system, presently or Disconnected/Removed in Utility billing system not given in downloaded data (with reading, correct MRU, adjoining CA and Walking Sequence.)

1. Rs. 100 per case to Business Associate(s)
2. Rs. 1000 per Case to specific meter reader through Business Associate(s)

Booked Direct Theft (DT) / Theft through Meter / Misuse Cases Rs. 50 / case to Business Associate(s) Rs. 500 / Case to specific meter reader through Business Associate(s) Reporting of un-ethical activity by meter reader / bill distributor and exhibiting good ethical conduct: Rs 500/ Incident post approval of TL –Reading & Billing and EIC.

5. Modem Trouble shooting:**5.1 Scope of Work:**

Scope of the work covers following:

- a. Installation / replacement of modems with accessories

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b. Replacement of accessories for establishing communication like SIM, Antenna, power cord etc.

c. Communication checking with MDAS.

5.2 SLA for modem communication:**5.2.1 EIC Monitoring Mechanism for daily activities**

1. Modems, Seals, SIMS, associated accessories will be provided by DISCOM.

5.2.2 Compliances for daily activities by BA:

2. The Modem troubleshooting cases will have to be rectified within 7 working days of issuance to BA. Execution of all the cases is mandatory.

3. All resources like Manpower, Phone, all tools and transportation to be provided by Business Associates.

4. Installation / replacement of modems with accessories after opening seals of meter box and resealing it after completion of work. No other seal to be opened by BA / his representative

5. In case of Premises Locked (PL) case, a notice has to be pasted and photographs of the locked premises, notices etc. to be submitted along with the protocols and copy of notice.

6. In case of NM (No meter), Meter Mismatch & DC (disconnected) cases, photographs of the same is to be submitted along with protocol.

7. Business Associate has to appoint adequate teams for timely Trouble shooting of modems.

8. For rectified Modem trouble shooting cases, it should remain communicating through AMR for 90 days from the date of Trouble Shooting (TS). If meter is not communicating for 90 days, BA has to rectify the same on its own cost.

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9. All planning and working as per schedule and providing qualified manpower, seal management, field work to be organized by Business Associates.

5.2.3 Manpower Deployment for Activities

10. One ITI- Electrical (with 5 years of experience of working on live line with ELBO License) should be deployed for Trouble shooting with all PPE's.

5.2.4 Daily Monitoring Mechanism, Reports and MIS:

11. Detail Execution report including seal consumption, non-communication remarks etc has to be submitted by Business Associates on daily basis as per format provided by DISCOM. It is to be noted that damaged seals are to be returned to Division In-charge else same will be considered as lost.

12. Business Associate has to provide the photographs in support of any remark provided in protocol.

13. Completely filled SOs with soft/hard copies in required format to be submitted to DISCOM every days.

14. BA has to report any type of pilferage of electricity identified at site within 24 hours to EIC.

5.3 Safety Compliance:

1. BA has to strictly follow the contractor safety management system (CSM).

2. Business Associate has to conduct Surprise Audit at site during execution of work in minimum 2% cases. A report of same is to be submitted in agreed up on format to EIC.

5.4 Payment Terms:

At end of each month, BA shall provide reconciliation of protocol in the system. Based on reconciled protocol, the payment shall be released as per below milestone:-

a. Payment shall be released within 30 days of bill submission, after deducting penalty if applicable.

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Note : In addition to payment of OK cases, payment will be made for Remarks (i.e premises Locked (PL) , No meter found at site (NM) , Supply disconnected (DC), Meter found working etc) cases also, if supported by valid photographs and documents. Each case will be paid @ 50% of the rate of meter installation. No payment will be done for address not traceable cases.

5.5 Penalties for Non-Conformance in modem troubleshooting activity

1. In case of non-compliance of the timeline (i.e. 7 working days) of modem rectification (for fresh cases / repeated non-communicating cases with 90 days) a penalty of Rs. 50/- per case per day shall be imposed.
2. Wrong seal reconciliation or non-conformance of the work will be liable to be penalized @ 4 times of activity rate.
3. If the filled protocol with seals detailing is not signed from consumer / his representative, then penalty @ 2 times the execution rate of the case will be levied. However if consumer refuses to sign the protocol intimation of the same to be given to engineer of contract of DISCOM.
4. In case of non-performance from Business Associates, if DISCOM has to do this work on its own or get it done from another source then Cost for the activity + 50% of the same will be recovered from the BA.
5. The contract may get terminated if it is found, that the agency is involved in malpractices of seal tampering leading to power theft. In such cases black listing and legal action may also be taken against the agency or its employee.
6. Reconciliation of material (other than seals) has to be done on monthly basis and a penalty @ 2 times the cost of material will be imposed.
7. Loss of any DISCOM Seal (FIR lodged with relevant police station and informing DISCOM within 3 working days), a penalty of Rs 1000/- per seal will be imposed. Loss of any DISCOM Seal (without FIR lodged with relevant police station and informing DISCOM within 3 working days) Rs 1500/-per seal will be penalised

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LD details in tabular form are given in Annexure.

Combination of Divisions along with teams for the activitie;

S. N.	Circle	Division Name	Area (in Sq Kms)	Quantity of meter to be installed in first year (including replacement)	Quantity of meter to be installed (including replacement) PP + LTCT
1	Balasore	BED, BALASORE	302.42	Given in BOM	Given in BOM
		CED, BALASORE	1024.39	Given in BOM	Given in BOM
		JED, JALESWAR	874.55	Given in BOM	Given in BOM
		BTED, BASTA	457.86	Given in BOM	Given in BOM
		SED, SORO	1146.78	Given in BOM	Given in BOM
2	Bhadrak	BNED BHADRAK	1786.0	Given in BOM	Given in BOM
		BSED, BADRAK	719.0	Given in BOM	Given in BOM
3	Jajpur	JAJPUR ROAD	1092.0	Given in BOM	Given in BOM
		KUAKHIA	920.0	Given in BOM	Given in BOM
		JAJPUR TOWN	876.0	Given in BOM	Given in BOM
4	Kendujhar	KED, KEONJHAR	3816.0	Given in BOM	Given in BOM
		JOED, JODA	1752.0	Given in BOM	Given in BOM
		AED, ANANDAPUR	2672.0	Given in BOM	Given in BOM
5	Baripada	BPED, BARIPADA	3904.0	Given in BOM	Given in BOM
		UED, UDALA	1828.0	Given in BOM	Given in BOM
		RED, RAIRANGPUR	4686.0	Given in BOM	Given in BOM
Total		16			

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List of PPEs and Relevant Standards

Sl. No.	Name of PPE	IS / EN Standard	Proposed Brand & Model
01	Leather Safety Shoes (Colour – Black) with PU toe cap.	IS:15298 part2	BATA Liberty ACME M/s Unicare Fire Safety (India) Pvt Ltd
02	HDPE Safety helmet with chin strap and ratchet type for adjustment.	IS:2925-1984	Karam (PN Safetech) Joseph Leslie Accent Industries Honeywell M/s Unicare Fire Safety (India) Pvt Ltd ACME
03	Full body harness (Safety belt) with double lanyard	EN 361 :2002 , EN 358-2000(2) ,EN355-2002(2)	Karam (PN Safetech) Joseph Leslie Accent Industries M/s Unicare Fire Safety (India) Pvt Ltd Abrigo
04	Electrical Safety Gloves	EN: 60903 CE marked	Make -Sparian / Sumitech / CATU, Honeywell, JYCO.
05	Full face visor	EN: 166 CE marked (Visor) or as approved by TATA POWER-DDL	Karam (PN Safetech) Joseph Leslie Accent Industries Honeywell Paras Industries Windsor
06	Rope grab fall arrester with Polyamide life line rope.	EN353-2	Karam, Udyogi . Honeywell, Saha Rope Grab fall arrester
07	Reflective Jacket	Confirming to 15809	Crossway vertical solution, safety house, M/s Unicare Fire Safety (India) Pvt Ltd, safety solution, safety house or any other manufacturer confirming to BIS and TPDDL standard.
08	Hand Gloves Cotton	IS 6994(part1)	Safety house, safety solution, M/s Unicare Fire Safety (India) Pvt Ltd, or any other reputed make conforming to BIS.
09	Hand Gloves (Rubber type)	IS 6994(part1)	Safety house , safety solution, M/s Unicare Fire Safety (India) Pvt Ltd or any other reputed make conforming to BIS.
10	Leather Hand Gloves	IS 6994(part1)	Safety house , safety solution, M/s Unicare Fire Safety (India) Pvt Ltd or any other reputed make conforming to BIS.
11	Welding face shield	IS 1179/ EN166 ANZIZ 87.1	Safety house , safety solution, M/s Unicare Fire Safety (India) Pvt Ltd or any other reputed make conforming to BIS/EN 166.
12	Safety goggles	IS 1179/ EN166 ANZIZ 87.1	Safety house , safety solution, M/s Unicare Fire Safety (India) Pvt Ltd or any other reputed make conforming to BIS/EN 166.
13	Apron	IS 6994(part1)	Safety house , safety solution or any other reputed make conforming to BIS
14	Gum boot	IS 3738	Safety house , safety solution, M/s Unicare Fire Safety (India) Pvt Ltd or any other reputed make conforming to BIS

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****Annexure 3****LD DETAILS OF METERING ACTIVITIES**

S. No.	ACTIVITY	DETAILS	Remarks
1	Every next month's targets will be intimated to the BA s in the last week of previous month as per requirement and BA s capability. Targets will be signed mutually by both BA's and MMG. In case BA's fail to achieve the agreed targets then penalized in accordance to the missed target.	* If 1% of the target is not met then 1% of the monthly bills is penalized and so on. The maximum penalty on missing the productivity target shall be 15%.	
2	Delay in Submission of Protocol by more than two day after completion of job.(7 days in case of Zones)	Penalty of Rs. 50/- per day per protocol of delay.	
3	Non availability of items as per in van at the time of surprise inspection as per annexure	2000/ - per such occurrence	
4	Loss of any TPNODL meter (FIR lodged with relevant police station and informing TPNODL within 3 working days)	5000/- per single phase meter	
12,000/- per three phase meter			
20,000 /- per CT meter			
6	Loss of any TPNODL Seal (FIR lodged with relevant police station and informing TPNODL within 3 working days)	1000/- per seal	
8	BA not able to conduct 2% safety audit as per submitted monthly report for any set of division	failing which penalty @ Rs 5000/- per month, will be imposed on the bill of that set of division.	
9	Non Reconciliation of any material (other than meter) for any assessment period.	2 x Cost of such un-reconciled material	
10	If CA No., M No. and D.O.I not put on the Meter box after Installation and replacement	200/- per occurrence	
11	Improper installation of meter resulting in Burning or damage of meter (misplace of SO)	1200/- per meter (single phase)	

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		4000/- per meter (three phase/CT meter)	
12	Improper Quality reported and confirmed by manager In charge (if any)	1200/- per meter	
		(single phase and three phase)	
		2500 for Smart meter related installation	
13	Meters issued but not returned or installation protocol submitted within 7 days of issue in case of Section (for report generated on last working date of month)	Total No of such days x 50/-	
14	Tampered meter Removal /Wrong Installation	10000/ per case	
15	Accident at site Due to Safety violation	Total Cost lost by TPNODL + 5000/- Per occurrence	
16	Reporting of any unethical activity against BA	10000/ per occurrence	
	Reconciliation of meter & material not done within 5 days of notice given to agency	1000 per day	
17	No rectification against the deviation in Quality reported within 10 days of notice by TPNODL	50/- per site per day	
19	Return of HT material (Metering Cubicle & CTPT unit) within 10 days	100/- per site per day,,	
21	More than 1% scrap cable generation for Single phase & HT,PP-LTCT group	Double the material cost	
22	Delay on account of non-availability of team, manpower, material etc attributable to BA	penalty of Rs 5000/day	
23	Delay in energization of new connection within 2 day of date of issue to BA	penalty @ Rs 1000/ installation will be levied	
24	Prepaid connection protocol/ move-out physical meter return within 24 hr. of activity execution to MMG stores	Rs 200 per Day	
25	In case of any quality issues reported by third party such as Quality Group, Safety group etc	penalty @ Rs 200/- per installation	

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26	In case any OK meter is found to be replaced by BA	Cost of meter, allied accessories and installation cost shall be recovered from BA	
27	In case Meter faulty/burnt/damage due to poor quality of installation works attributable to the Agency within 2 years of installation of meter such as loose connection etc	The cost of meters, allied accessories and installation cost will be borne by Agency	
28	As per mail from User Department	Penalty of other Submission	
TOTAL PENALTY			

LD DETAILS OF FSE

S. No.	ACTIVITY	DETAILS	Remarks
1	Submission of complete SVR report within timelines as specified (A)	No Deduction	
2	Submission of completed SVR beyond the defined timeline	Rs. 50/- per case	
3	Submission of file at division level after collecting it from respective Sub-Division, Section Office within 1 working day.	Rs. 50/- per file delay	
4	In case of any misconduct with applicant.	Rs. 1000/- per case	
5	Any fake / wrong information from site will lead to the termination of contract / penalty or both	Rs. 1000/- per case	
6	Any unethical activity will lead to the termination of contract OR penalty OR both	Rs. 10000/- per	
TOTAL PENALTY			

CENTRALIZED CONTRACTS GROUP**NIT No.: TPCODL / CCG / 2023-24 / 023****LD DETAILS OF MODEM TROUBLE SHOOTING ACTIVITIES**

S. No	ACTIVITY	DETAILS	Remarks
1	Non-compliance of the timeline (i.e. 7 working days) of modem rectification (for fresh cases / repeated non-communicating cases with 90 days)	a penalty of Rs. 50/- per case per day shall be imposed	
2	Wrong seal reconciliation or non-conformance of the work	to be penalized @ 4 times of activity rate.	
3	Filled protocol with seals detailing is not signed from consumer / his representative,	Penalty @ 2 times the execution rate of the case will be levied. However if consumer refuses to sign the protocol intimation of the same to be given to engineer of contract of DISCOM.	
4	Non-performance from Business Associates, if DISCOM has to do this work on its own or get it done from another source	Cost for the activity + 50% of the same will be recovered from the BA.	
5	Reconciliation of material (other than seals) has to be done on monthly basis	penalty @ 2 times the cost of material will be imposed.	
TOTAL PENALTY			

LD DETAILS OF AMR DATA DOWNLOADING

S. No	ACTIVITY	DETAILS	Remarks
1	For wrong remark reporting of PL, NM, Disconnected, EM & IR cases	penalty @ 2 times quote rate will be levied,	
TOTAL PENALTY			

TPCODL

TP Central Odisha Distribution Limited

TPNODL

TP Northern Odisha Distribution Limited

TPSODL

TP Southern Odisha Distribution Limited

TPWODL

TP Western Odisha Distribution Limited

CENTRALIZED CONTRACTS GROUP

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Annexure IX

General Conditions of Contract (GCC)

(Attached Separately)

CONFIDENTIAL

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 1(BED Balasore) Supply-1, Supply-2				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	19000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	17000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	1000				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	1000				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	250				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	800				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	400				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	400				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	300				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	200				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	50				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg	500				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 1(BED Balasore) Supply-1, Supply-2				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA	1000				
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA	500				
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	200				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	200				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 1(BED Balasore) Supply-1, Supply-2				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 1(BED Balasore) Supply-1, Supply-2				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifting of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 1(BED Balasore) Supply-1, Supply-2				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 1(BED Balasore) Supply-1, Supply-2				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	10752				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	2688				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1000				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	20				
			Up to 100 Km	EA	10				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	1				
			Above 200 Km	EA	1				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 1(BED Balasore) Supply-1, Supply-2				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	20				
			Up to 100 Km	EA	10				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	1				
			Above 200 Km	EA	1				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	20000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 1				.....
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				.....
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 2(CED Balasore) RE-1, RE-2, Nilgiri				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	18000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	14000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	1000				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	400				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	300				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	200				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg	500				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 2(CED Balasore) RE-1, RE-2, Nilgiri				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA	1400				
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA	600				
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	100				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	100				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 2(CED Balasore) RE-1, RE-2, Nilgiri				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 2(CED Balasore) RE-1, RE-2, Nilgiri				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifting of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 2(CED Balasore) RE-1, RE-2, Nilgiri				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 2(CED Balasore) RE-1, RE-2, Nilgiri				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	17856				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	4464				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1500				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	20				
			Up to 150 Km	EA	10				
			Up to 200 Km	EA	1				
			Above 200 Km	EA	1				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 2(CED Balasore) RE-1, RE-2, Nilgiri				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	20				
			Up to 150 Km	EA	10				
			Up to 200 Km	EA	1				
			Above 200 Km	EA	1				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	19000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 2				.....
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				.....
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				

Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set for both years. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 3 (JED Jaleswar)Jaleswar,Bhograi				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	16000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	4000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	12000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg	5000				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 3(JED Jaleswar)Jaleswar,Bhograi				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA	1400				
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA	600				
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 3(JED Jaleswar)Jaleswar,Bhograi				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 3(JED Jaleswar)Jaleswar,Bhograi				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 3(JED Jaleswar)Jaleswar,Bhograi				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 3(JED Jaleswar)Jaleswar,Bhograi				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	18135				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	4534				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1900				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	16				
			Above 200 Km	EA	16				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 3(JED Jaleswar)Jaleswar,Bhograi				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	16				
			Above 200 Km	EA	16				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	17000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 3				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 4(BTED Basta) Basta,Jamsuli				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	10500				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	9000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fasteners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg	5000				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 4(BTED Basta) Basta,Jamsuli				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA	1400				
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA	600				
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 4(BTED Basta) Basta,Jamsuli				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 4(BTED Basta) Basta,Jamsuli				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifting of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 4(BTED Basta) Basta,Jamsuli				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 4(BTED Basta) Basta,Jamsuli				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	14640				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	3660				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	750				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 4(BTED Basta) Basta,Jamsuli				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	11500				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 4				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 5(SED Soro)Soro,Bahanaga,Markona,Khaira				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	18000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	4000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	16000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg	2000				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 5(SED Soro)Soro,Bahanaga,Markona,Khaira				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA	1400				
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA	600				
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 5(SED Soro)Soro,Bahanaga,Markona,Khaira				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 5(SED Soro)Soro,Bahanaga,Markona,Khaira				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifting of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 5(SED Soro)Soro,Bahanaga,Markona,Khaira				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 5(S&ED Soro)Soro,Bahanaga,Markona,Khaira				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	17530				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	4383				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1200				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 5(SED Soro)Soro,Bahanaga,Markona,Khaira				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	19000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 5				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 6(BNED Bhadrak)Bhadrak No-1,Bhadrak No-2,Tihidi,Basudevapur,Dhamara				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	30000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	4000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	26000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg	2000				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 6(BNED Bhadrak)Bhadrak No-1,Bhadrak No-2,Tihidi,Basudevapur,Dhamara				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA	1400				
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA	600				
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 6(BNED Bhadrak)Bhadrak No-1,Bhadrak No-2,Tihidi,Basudevapur,Dhamara				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 6(BNED Bhadrak)Bhadrak No-1,Bhadrak No-2,Tihidi,Basudevapur,Dhamara				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifting of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 6(BNED Bhadrak)Bhadrak No-1,Bhadrak No-2,Tihidi,Basudevapur,Dhamara				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 6(BNED Bhadrak)Bhadrak No-1,Bhadrak No-2,Tihidi,Basudevpur,Dhamara				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	24308				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Leadger	EA	6077				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healty modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1650				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 6(BNED Bhadrak)Bhadrak No-1,Bhadrak No-2,Tihidi,Basudevapur,Dhamara				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	31000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 6				.....
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				.....
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
<p>Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.</p>									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 7(BSED Bhadrak)Asurali,Dhamnagar,RE Bhadrak				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	17000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	16000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fasteners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg	2000				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 7(BSED Bhadrak)Asurali,Dhamnagar,RE Bhadrak				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA	1400				
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA	600				
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 7(BSED Bhadrak)Asurali,Dhamnagar,RE Bhadrak				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 7(BSED Bhadrak)Asurali,Dhamnagar,RE Bhadrak				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifting of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 7(BSED Bhadrak)Asurali,Dhamnagar,RE Bhadrak				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 7(BSED Bhadrak)Asurali,Dhamnagar,RE Bhadrak				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	13623				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	3406				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1350				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 7(BSED Bhadrak)Asurali,Dhamnagar,RE Bhadrak				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	18000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 7				.....
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				.....
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				

Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set for both years. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 8(BPED Baripada)Baripada,Baripada Rural,Betnoti,Kuliana				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	33000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	31000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg	2000				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 8(BPED Baripada)Baripada,Baripada Rural,Betnoti,Kuliana				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA	1400				
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA	600				
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 8(BPED Baripada)Baripada,Baripada Rural,Betnoti,Kuliana				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 8(BPED Baripada)Baripada,Baripada Rural,Betnoti,Kuliana				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 8(BPED Baripada)Baripada,Baripada Rural,Betnoti,Kuliana				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 8(BPED Baripada)Baripada,Baripada Rural,Betnoti,Kuliana				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	23338				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	5835				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1850				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 8(BPED Baripada)Baripada,Baripada Rural,Betnoti,Kuliana				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	34000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 8				.....
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				.....
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 9(UED Udala)Khunta,Udala				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	16000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	14000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg	2000				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 9(UED Udala)Khunta,Udala				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA	1400				
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA	600				
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 9(UED Udala)Khunta,Udala				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 9(UED Udala)Khunta,Udala				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 9(UED Udala)Khunta,Udala				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 9(UED Udala)Khunta,Udala				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	8890				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	2230				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1600				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 9(UED Udala)Khunta,Udala				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA					
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	17000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 9				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				

Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set for both years. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 10(RED Rairangpur)Rairangpur-1,Rairangpur-2,Jashipur, karanjia				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	27000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	24000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg	2000				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 10(RED Rairangpur)Rairangpur-1,Rairangpur-2,Jashipur, karanjia				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA	1400				
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA	600				
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 10(RE D Rairangpur)Rairangpur-1,Rairangpur-2,Jashipur, karanjia				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 10(RED Rairangpur)Rairangpur-1,Rairangpur-2,Jashipur, karanjia				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 10(RED Rairangpur)Rairangpur-1,Rairangpur-2,Jashipur, karanjia				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 10(RED Rairangpur)Rairangpur-1,Rairangpur-2,Jashipur, karanjia				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	25690				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Leadger	EA	6423				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healty modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	500				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 10(RED Rairangpur)Rairangpur-1,Rairangpur-2,Jashipur, karanjia				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA					
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	28000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 10				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 11(JRED Jajpur Road)Jajpur Road,Duburi,Panikoili				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	16000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	14000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg					

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 11(JRED Jajpur Road)Jajpur Road,Duburi,Panikoili				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA					
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA					
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 11(JRED Jajpur Road)Jajpur Road,Duburi,Panikoili				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 11(JRED Jajpur Road)Jajpur Road,Duburi,Panikoili				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 11(JRED Jajpur Road)Jajpur Road,Duburi,Panikoili				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 11(JRED Jajpur Road)Jajpur Road,Duburi,Panikoili				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	17981				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Leadger	EA	4496				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1600				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 11(JRED Jajpur Road)Jajpur Road,Duburi,Panikoili				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	17000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 11				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 12(JTED Jajpur Town)No-1 Jajpur Town,Binjharpur,Dasarathpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	17000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	15000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg					

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 12(JTED Jajpur Town)No-1 Jajpur Town,Binjharpur,Dasarathpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA					
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA					
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 12(JTED Jajpur Town)No-1 Jajpur Town,Binjharpur,Dasarathpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 12(JTED Jajpur Town)No-1 Jajpur Town,Binjharapur,Dasarathpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 12(JTED Jajpur Town)No-1 Jajpur Town,Binjharpur,Dasarathpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 12(JTED Jajpur Town)No-1 Jajpur Town,Binjharpur,Dasarathpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	11626				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Leadger	EA	2907				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healty modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	750				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 12(JTED Jajpur Town)No-1 Jajpur Town,Binjharapur,Dasarathpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	18000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 12				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 13(KuED Kuakhia)Kuakhia,Dharmasala,Bari				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	17000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	15000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg					

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 13(KED Kuakhia)Kuakhia,Dharmasala,Bari				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA					
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA					
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 13(KED Kuakhia)Kuakhia,Dharmasala,Bari				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 13(KED Kuakhia)Kuakhia,Dharmasala,Bari				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 13(KED Kuakhia)Kuakhia,Dharmasala,Bari				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 13(KED Kuakhia)Kuakhia,Dharmasala,Bari				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	12192				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	3048				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1600				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 13(KED Kuakhia)Kuakhia,Dharmasala,Bari				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	18000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 13				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 14(KED Keonjhar)Keonjhar No-1,Keonjhar No-2,Turumunga				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	20500				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	18000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg					

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 14(KED Keonjhar)Keonjhar No-1,Keonjhar No-2,Turumunga				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA					
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA					
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 14(KED Keonjhar)Keonjhar No-1,Keonjhar No-2,Turumunga				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 14(KED Keonjhar)Keonjhar No-1,Keonjhar No-2,Turumunga				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 14(KED Keonjhar)Keonjhar No-1,Keonjhar No-2,Turumunga				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	20				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 14(KED Keonjhar)Keonjhar No-1,Keonjhar No-2,Turumunga				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	17290				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	4323				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1150				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 14(KED Keonjhar)Keonjhar No-1,Keonjhar No-2,Turumunga				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	22000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 14				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 15(JED Joda)Joda,Barbil,Champua				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	17000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	15000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg					

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 15(JED Joda)Joda,Barbil,Champua				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA					
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA					
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 15(JED Joda)Joda,Barbil,Champua				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA	40				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 15(JED Joda)Joda,Barbil,Champua				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 15(JED Joda)Joda,Barbil,Champua				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 15(JED Joda)Joda,Barbil,Champua				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	15351				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	3836				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1000				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 15(JED Joda)Joda,Barbil,Champua				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	18000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 15				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				
Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set <u>for both years</u>. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.									

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 16 (AED Anandapur)Anandapur,Ghatagaon,Bidyadharpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
1	SP	Meter Installation - Single Phase	Installation of 1 phase energy meter with / without meter box. Static /BLE /Smart AMI	EA	24000				
2	SP	Installation of 2C*4 sq mm/2*6 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 2CX 4 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	3000				
3	SP	Meter Removal - Single Phase	Removal of single phase meter without service cable.	EA	22000				
4	SP	Service Cable Removal of any size used for Single Phase connections	Removal of service cable of any size used for single Phase connections from pole/ LT Network.	EA	500				
5	PP	Meter Installation - Poly Phase Whole Current	Installation of Poly Phase whole current energy meter with / without meter box BLE/sTatic /Smart AMI	EA	900				
6	PP	Installation of 4C*25 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 25 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	150				
7	PP	Installation of 4C*10 sq mm armoured, Cable O/H (Length 7M-30M)	Stringing, sagging of armoured service cable size 4CX 10 sq mm with length between 7m to 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble.	EA	75				
8	PP	Meter Removal - Poly Phase Whole Current	Removal of Poly Phase whole current meter with / without meter box.	EA	700				
9	PP	Service Cable Removal of any size used for Poly Phase connections	Removal of service cable of 4C X 10 sq mm(majorily) or any other size used for Poly Phase Whole Current connections from pole/ LT Network.	EA	100				
10	SP/PP / LTCT	Meter Accuracy test at site with Accucheck	Single Phase /Polyphase/LTCT Meter Testing with Accucheck (Will be provided by TPNODL) to be done.	EA	800				
12	SP/PP	Supply and Installation of wall corner clamp	Supply and Installation of Wall Corner Clamp. Consumables i.e. fastener etc. shall be in the scope of BA	EA	5000				
13	SP/PP	Supply and Installation of Stand pipe for maintaining the Sagging.	Supply and Installation of Stand pipe for maintaining the Sagging. (LT GI Pipe for Service Line Support as per REC / TPNODL standard)	EA	2800				
14	SP/PP	Bus bar Installation	Installation of any type of bus bar box on wall / Pole along with supply of fastners, steel strap and buckles. (Fastener / Steel strap shall be supplied by BA)	EA	100				
15	SP/PP	Prefabricated GI Structure (Supply Item) / kg	Supply of Prefabricated / GI structural angle/ channel / flats of different sizes, as per the site requirement	Kg					

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 16 (AED Anandapur)Anandapur,Ghatagaon,Bidyadharpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
16	SP/PP	Installation of Bracket Angle/ service anchor/ suspension clamp/ slotted angle	Installation of GI Bracket for Anchoring service cable of size 50, 95 & 150 sqmm / Installation of Service Cable Anchor / Installation of Slotted angle on pole in case of 2x10/4x10/4x25 cable lying, on uncleaned poles. (Number of items used at one site shall be considered for billing).	EA					
17	SP/PP	Loop Connection for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm with length ≤ 6 M	Stringing of loop connection (length <= 6 meter) for service cable size 2C X 4 sq mm/ 2C X 10 sq mm/ 4C X 10 sq mm/ 4C X 25 sq mm.	EA					
18	LTCT	Smart DT Meter installation along with Meter Box and connection for CT / PT (For energy auditing of DTs)--circlewise	Installation of Smart DT meters 100/5A, along with ring type CT, Meter Box, and associated accessories on LT side of transformers.	EA	10				
19	LTCT	Installation of 4C*95 / 4C X 150 sq mm armoured service cable, O/H (Length up to 30M)	Stringing, sagging of armoured service cable size 4CX 95 sq mm / 4C X 150 sq mm with length upto 30m including installation of saddle, fastener for support and connection at pole / LT network with thimble. (Saddles and Fastners are to be supplied by BA)	EA	25				
20	LTCT	Installation of LTCT Meter with Resign cast CT box (For 100/5 Amps & 200/5 Amps)	Installation, energisation along with communication of new LTCT meters with resin cast CT box and allied accessories. The activity includes supply of 8 Nos of lugs and its crimping on Service cable and connections, Complete grouting of meter box, Communication check of meter with back end server. Earthing also needs to be extended using armour of cable from pole to inside the meter box using suitable size of lugs. (These lugs will also be in scope of supply of BA.)	EA	50				
21	LTCT	Meter Replacement - LTCT Meter Only without box replacement.	Replacement of LTCT meter/ LTCT Smart meter of any rating i.e. 100/5A or 200/5A or 400/5A without box	EA	25				
22	LTCT	Fault rectification in CT Meter pertaining to termination/LT Cable dressing.	Fault rectification includes termination (thimble / socket crimping, gland change, cable lead extension crimping and tightening) and cable dressing.	EA	25				
23	LTCT	LTCT Meter with box Removal - All Rating	Removal of any LTCT meter from site with de-energisation, Meter, modem and its allied accessories with meter box.	EA	25				
24	HT	Meter Accuracy test at site (HTCT)--circlewise	HTCT Meter Testing to be done at site. Testing kit will be provided by TPNODL.	EA	50				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 16 (AED Anandapur)Anandapur,Ghatagaon,Bidyadharpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
25	HT	CTPT / Metering cubicle Installation	Installation of new HT 11 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
26	HT	Pole mounted CTPT Installation	Installation of new HT 11 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	80				
27	HT	Meter Installation - HT Meter Only--circlewise	Installation of any HT energy meter along with modem and its termination in Metering cubicle / CTPT unit. This will include removal of existing energy meter if installed. HT team will take care of metering activities of falling under the geographical area of Circle. This rate will include travelling up to an average of 50 KM / case/ month (including to and fro). Any travel beyond an avg. of 50 KM / cases / Month will be paid in the lot of 50 KM basis over and above the rates quoted per activity. BA to quote rate for additional travel / 50 KM during any month.	EA		40			

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 16 (AED Anandapur)Anandapur,Ghatagaon,Bidyadharpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
28	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 11 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
29	HT	CTPT / Metering cubicle Removal	Dismantling of complete HT CTPT / Metering Cubicle unit which includes to & fro transportation, complete removal and de-energisation in all respect (i.e. disconnection in all respect, removal of control cable, ends termination removal and all accessories removal) Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	10				
30	HT	Travel in HT Meter Installation - (Travel charges in lot of 50 KM)	Rate for travel of HT Vehicle for additional travel in lot of 50 KM (over and above which is covered in Sr. No 27 / 28 /29 /30) for a month. Rate for 50 KM additional milage after rounding off to be charged. If more than one activity is performed at one site at a time, then this cost to be charged against only one activity.	Lot size of 50 KM each	30				
31	HT	Mole mounted CTPT Removal	Dismantling of complete HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 16 (AED Anandapur)Anandapur,Ghatagaon,Bidyadharpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	HT	CTPT / Metering cubicle Installation	Installation of new HT 33 KV Metering cubicle / CTPT unit. The activity includes to & fro transportation, commissioning, energisation of unit in all respect (i.e. connections of CTPT / Metering cubicle , fixing of complete Unit, necessary masonry work, grouting, Cable terminations, control cable connections, socket/thimble crimp , earthing connections, vermin proofing if any) . Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	30				
33	HT	Pole mounted CTPT Installation	Installation of new HT 33 KV out door Metering CTPT unit, includes to & fro transportation, commissioning and energisation in all respect (i.e. connection in meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door).	EA	30				
34	HT	Replacement of only HT meter chamber at PMSS OR Replacement / Shifitng of control cable pipe with meter chamber for CTPT unit--circlewise	Replacement of HT Metering chamber of HT 33 KV out door Metering CTPT unit, replacement of control cable pipe , energy meter and allied accessories include to & fro transportation, commissioning and energisation in all respect (i.e. reconnection in meter box from CTPT terminal block through control cable, stand pipe flange replacement, two earth connections, HT cable ends termination, socket/ thimble crimp, tape & plug cable entry, sealing CTPT unit terminal block, stand pipe flanges, meter terminal cover, window and chamber door). Note : Loading, Unloading, Installation of CT PT unit, Metering Cubicle at store, site through crane will be included in this cost.	EA	3				
34	HT	Pole mounted CTPT Removal	Dismantling of complete 33 KV HT metering out door CTPT unit, includes to & fro transportation, removing and de-energisation in all respect (i.e. connection from meter box from CTPT terminal block through control cable, pole mount CTPT unit erected at 30' height. Fix and Bolt CTPT unit, stand pipe flange, two earth connections, HT cable ends termination removal, socket/ thimble crimp, stand pipe flanges removal, meter terminal cover, window and chamber door removal from site).	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 16 (AED Anandapur)Anandapur,Ghatagaon,Bidyadharpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
32	FSE	FSE- New Connection	Site verification of new connection with capturing of details as mentioned in site verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
33	FSE	FSE - Attribute Change	Site verification Attribute case with capturing of details as mentioned in Attribute Change form and capturing photographs. Further submission of SVR and file at respective division office.	EA	1000				
34	FSE	FSE - SVR Dues	Site verification for confirmation of dues with capturing of details as mentioned in dues verification form and capturing photographs. Further submission of SVR and file at respective division office.	EA	4500				
35	DD	Data Downloading from Meter (Single Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	KA	1000				
36	DD	Data Downloading from Meter (Three Phase/Poly Phase)	Data downloading of Meter data after opening of meter box seals and thereafter resealing it.	EA	13344				
37	DD	Manul Meter Reading and SVR (Three Phase /Poly Phase)	Taking manual reading parameters from meter display, providing remarks with photographs where data can not be downloaded for reason not attributable to BA, Prepare SVR Against OK Meter in site but Faulty Meter recorded in TPNODL Ledger	EA	3336				
38	MTS	Modem Trouble Shooting activity	Replacement of faulty modem with healthy modem after opening of meter box by removing seals. Coordination with communication testing desk at back office and after ensuring communication, reealing of meter box.	EA	350				
39	MTS	Return Cases - of Modem TS	Return Case of Modem Troubleshooting cases where site visit has been done and modem could not be rectified due to reasons not attributable to BA. The activity include pasting notice , providing photograph of site.	EA	50				
40	SP	Return Cases - SP meter installation	Return Case of New connection and meter replacement cases where site visit has been done and meter could not be installed due to reasons not attributable to BA. The activity include pasting notice, providing photograph of site / meter, Reading and other details of meter. Address not traceable cases will not be included .	EA	1250				
41	SP	Shifting of Meters (New / old) from Central store to site store or Site store to Central store. (Bidder has to provide vehicle and sufficient manpower for shifting of Meters/Meter Boxes /accessories from Central Store to respective Division / sub division. The activity include loading and unloading of material at designated locations/stores. Meter LOT size shall be 1000	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				

Sr. no	Activity Type	Item Short Description	Detailed Item Description	U o M	Qty for 1st Year				
					Division 16 (AED Anandapur)Anandapur,Ghatagaon,Bidyadharpur				
					Qty (Q)	Unit Rate (Rs.) (A)	Taxes (Rs.) (B)	Total All inclusive unit rate (C = A+B)	Total Amt. (Rs.) (Q x C)
42	SP	to Central store. Bidder has to provide vehicle and sufficient manpower for shifting of cable . The activity include loading and unloading of material at designated locations/stores. LOT size shall be 6Km for 2*4 sqmm/2*6 MM cable/ any 2 core cable.Otherthen Define lot Rate will be provided in prorate Basis.	Up to 50 Km	EA	1				
			Up to 100 Km	EA	1				
			Up to 150 Km	EA	1				
			Up to 200 Km	EA	10				
			Above 200 Km	EA	10				
43	Protocol Punching	Punching of Protocols for field activities Protal entry In Protal Or Installation Data Capatauring IN MY MMG Mobile Application	Bidder has to punch protocol or Installation Details capturing In MY MMG Mobile APP for Meter installation (Both Single Phase and Three Phase activity/Modem Installation / rectification / Meter Testing (HT and LT) activity / data downlodng activity, with 5% QC	EA	26000				
Total all inclusive Amount for First year (Year -1)					Total Amount For Year 1 for Division Set 16				
Percentage (%) escalation for Second year (Year 2) (The % escalation shall be applicable on unit rate of all service line item for second year)				 %				
Total all inclusive Amount for Second year (Year -1)					Total Amount For Year 2 for Division Set 1				
Total Overall all inclusive value for Year 1 and Year 2 (in Rs.)					Rs.				

Note -The bids shall be evaluated commercially on the overall lowest cost for each Divison Set for both years. Therefore bidders are advised to quote their best price for year 1 and best % escalation for year 2 as well.

Abbreviations	
SP	Single Phase
PP	Poly Phase
LT CT	Low Tension Current Transformer Operated Meters
HT CT	High Tension Current Transformer Operated Meters
FSC	Field Service Executive
DD	Data Download
MTS	Modem Trouble Shooting
SVR	Survey
BA	Business Associate / Vendor / Bidder

TPNODL	TP NORTHERN ODISHA DISTRIBUTION LTD	
	WORK INSTRUCTION /OPERATING GUIDELINES	
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Prepared By Imran Ahmad/ Swetaraj Parida	Reviewed By Vipin Chauhan	Approved By Sunil Bhattar
	VIPIN CHAUHAN	SUNIL BHATTAR

Digitally signed by SUNIL BHATTAR
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1.0 ORGANIZATIONAL VALUES

The Tata Group has always been a value driven organization. These values continue to direct the Group's growth and businesses. The six core Tata Values underpinning the way we do business are:

Integrity - We must conduct our business fairly, with honesty and transparency. Everything we do must stand the test of public scrutiny.

Understanding - We must be caring, respectful, compassionate and humanitarian towards our colleagues and customers around the world and always work for the benefit of India.

Excellence - We must constantly strive to achieve the highest possible standards in our day to day work and in the quality of goods and services we provide.

Unity - We must work cohesively with our colleagues across the group and with our customers and partners around the world to build strong relationships based on tolerance, understanding and mutual co-operation.

Responsibility - We must continue to be responsible and sensitive to the countries, communities and environments in which we work, always ensuring that what comes from the people goes back to the people many times over.

Agility - We must work in a speedy and responsive manner and be proactive and innovative in our approach.

2 Tata Code of Conduct

The Business Associate and TPNODL shall be bound by the provisions/ clauses mentioned in Tata Code of Conduct (TCoC) in all their dealings with stakeholders. The Associate is advised to go through the TCoC document available as Annexure-O.

3.0 CONTRACT PARAMETERS

3.1 Issue/ Award of Contract

TPNODL awards the contract to the Associate in writing in the form of Purchase order (PO) or a Rate Contract (RC), hereafter referred as Contract, through in any or all of following modes- physical handover / post / e-mail / web document / fax with all the attachments/enclosures which shall be part of the contract document

On receipt of the contract, the associate shall return to TPNODL copy of the contract document duly signed by legally authorized representative of associate, within two days of Effective Date of Contract for contracts having contract execution time less than 30 days and within five days for all other contracts.

Note- In case of RC though, further Release Orders (RO) shall be issued by TPNODL on RC rates and terms & Conditions as per the requirement of TPNODL.

3.2 Contract Commencement Date

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The date of issue/ award of contract shall be the Effective Date of Contract or Contract Commencement date.

3.3 Contract Completion Date

The date of expiry of Guarantee Period shall be deemed as the Contract Completion Date.

3.4 Contract Period/Time

The period from Contract Commencement Date to Contract Completion Date shall be deemed as the Contract Period/Time.

3.5 Contract Execution Completion Date

The stipulated date for completing the execution of all items in the schedule of quantities (Supply, Service and or both as applicable) shall be deemed as the Contract Execution Completion Date.

3.6 Contract Execution Period/Time

The Period from Contract Commencement Date to Contract Execution Completion Date shall be the Contract Execution Period/Time. Timely Completion of Works/Timely Delivery of Materials is the essence of the contract. The period from effective date of contract to the date stipulated for completion of delivery of all items/completion of all the works/services, as per schedule of quantities of the contract is defined as contract execution completion time. The Delivery of Materials /The Completion of Works, as applicable, should be achieved in all respects as per schedules of quantities and all the terms and conditions of the contract, in the contract execution time.

Any revision/amendment in the originally stipulated contract execution time has to be approved by authorized representative of TPNODL.

3.7 Contract Price /Value

The total all inclusive price/value mentioned in the PO/RC of the contract document is the Contract Price/Value and is based on the quantity, unit rates and prices quoted and awarded and shall be subject to adjustment based on actual quantities supplied/actual measurement of work done and accepted and certified by the authorised representative of the company unless otherwise specified in schedule of quantities or in contract documents.

3.8 Contract Document

The Contract Document shall mean and include but not limited to the following:

- NIT/Tender Enquiry, QR, Instruction to Bidders, Special Condition of Contract (SCC) of tender, GCC, Technical & Commercial Specifications including relevant annexure and attachments).
- Bids & Proposals Received from Associate including relevant annexure/attachments.
- Letter of Intent (LOI/RC/PO) with agreed deviations from the tender/bid documents.
- All the Inspection and Test reports, Detailed Engineering Drawings.
- Material Dispatch Clearance Certificate (MDCC).
- Minutes of Meeting (MoM)

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3.9 Contract Language

All documents, instructions, catalogues, brochures, pamphlets, design data, norms and calculations, drawings, operation, maintenance and safety manuals, reports, labels, on deliveries and any other data shall be in English Language.

The Contract documents and all correspondence between the TPNODL, Third Parties associated with the contract, and the Associate shall be in English language.

However, all signboards required indicating "Danger" and/or security at site and otherwise statutory required shall be in English, Hindi, and local languages.

3.10 Reverse Auction

TPNODL reserves the right to conduct the reverse auction (instead of public opening of price bids) for the products / services being asked for in the tender. The terms and conditions for such reverse auction events shall be as per the Acceptance Form attached in Annexure I. The bidders along with the tender document shall mandatorily submit a duly signed copy of the Acceptance Form as mentioned in the Annexure I as a token of acceptance for the same.

4.0 SCOPE OF WORK

All the activities that are to be undertaken by the Associate to realize the contractual deliverables in completeness form Scope of Work. Following clauses list, but not limited to, major requirements of the scope of work.

The associate shall satisfy himself fully with the details and undertake fully the works as listed in schedule of quantities and conditions, under which the same to be performed. Associate may visit site to equip themselves with all the information required for the execution of work. Unless otherwise stated in the contract, the scope of work shall also include, but not limited to, the following.

The associate shall deliver equipment/material at site/stores, carry out erection, testing and commissioning and put into satisfactory operation as defined in contract. Unloading at site, storage, preservation, security and handling of the items at work places till completion of contract is also in scope of work.

The associate shall obtain statutory clearances for the works executed by him.

The associate shall provide comprehensive insurance for entire works for contract value and third party liability insurance to cover all risks till completion of contract.

All transport / lifting/ unloading/ storage/preservation of items at site shall be arranged by the Associate at no extra cost to TPNODL. All these activities shall be performed in line with original equipment manufacturers' recommendations and/or as per best engineering practices, with due consent of TPNODL Engineer-in-charge.

Completeness: Any supplies and services which might have not been specifically mentioned in the Contract but are necessary for the scope mentioned in Special Terms & Conditions and/or completeness of the works at the highest possible level, including any royalties, licence fees & compensation to be paid, whether incurred by the associates or by a third party for the work

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covered in the scope, regardless of when incurred, shall be supplied/provided by the associate without any extra cost and within the time schedule for efficient, smooth and satisfactory operation and maintenance of the works at the highest possible level under Indian conditions (but according to international standards for facility of this type), unless expressly excluded from the scope of supplies and services in this Contract.

TPNODL have the right, during the performance of the Contract, to change the scope and/or technical character of the Project and/or of the supplies and services stipulated in the Contract by submitting a request in writing to the Associate. The Associate shall, within fifteen days of receipt of such request from the TPNODL, provide Purchaser with a reasonably detailed estimate of the cost of the change outlined in the request.

In the event, TPNODL requests a change, the Contract price and time shall be adjusted upwards or downwards, as the case may be and shall be mutually agreed to. The associate shall not be entitled to any extension of time unless such changes adversely affect the time schedule.

The Associate shall not proceed with the changes as requested till adjustment of contract price and time schedule where so applicable in terms of or otherwise directed by the TPNODL.

4.1 Indemnity

Associates shall undertake to fully indemnify TPNODL (also referred to as the Company in the GCC) against all kinds of liabilities or damages, of whatsoever nature, including compensation arising from any accident to the person or property of those in Associate's employment or to any other person or properties including those of TPNODL, arising due to reasons attributable to any, act, omission of the Associate the Associates, for the entire period of contract including period of guarantee.

Within 7 days of award of work, the Associates shall submit Indemnity Bond in the format as per Annexure-D to Order Issuing Authority.

In case of Labour /Erection/ Services Contracts having value more than Rs 2 Cr per Annum, Associates shall submit Indemnity Bond on Rs 100/- Non Judicial Stamp Paper in the format as per Annexure- D to Order Issuing Authority.

4.2 Display of Notice Boards at Work Sites

The Associate shall put up display notice board at each project site where the works are in progress indicating the information given below:

- Name of the Project.
- Estimated Cost of Project.
- Date of Commencement.
- Expected date of completion.
- Name of Associate and his telephone number.
- Name of Engineer-in-Charge and his telephone number.

4.3 Disposal of Waste at Site

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Significant quantities of waste are generated during the execution of project and an integrated approach for effective handling, storage, transportation and disposal of the same shall be adopted. This would ensure the minimization of environmental and social impact in order to combat the climate change.

The associates shall follow the below criteria for disposal of waste at site during the execution of project.

- Associate shall ensure that the detailed project plan include the waste management, segregation of all designated waste material (Recyclable/Non-Recyclable), collecting, storing, disposing and transferring the same to pre-arranged facility/destination in timely and safe manner as per environmental legislations during the execution of project. The project plan shall also include the innovative construction practice to eliminate or minimize waste, protect surface/ground water, control dust and other emissions to air and control noise during the execution of project. The copy of same shall be given to EIC before the commencement of project.
- The purchase policy of BA shall encourage the procurement of material with recycled and minimum packaging of goods during delivery. Associate shall provide the appropriate means for site to site transportation of materials to avoid damage and litter generation.
- Associate shall educate and inform to its project team about the requirement and responsibilities for waste minimization and disposal in general and provide training of practices that support this. Waste management should be treated like a safety program.
- In the event that area of contaminated or biological hazard is identified, Associate shall ensure that plant, equipment, personnel and any activity associated with the work is carried out in consultation with EIC of TPNODL.
- Associate shall ensure that the residents living near the site are kept informed about proposed working schedule and shall informed timings and duration of any abnormal noise full activity that is likely to happen.
- Associate shall ensure the regular maintenance and monitoring of vehicles and equipment for efficient fuel use so that emissions and noise are within acceptable limits to avoid air pollution.

4.4 Deployment of Work Force

Associate shall deploy adequate labour, as considered necessary by TPNODL for execution of the contract including Sundays and Holidays whenever required to do so with no extra cost to TPNODL. However, prior permission shall be taken from the site Engineer to carry out the work beyond normal working hours or on Sundays and Holidays. Female employees shall not be deployed beyond normal working hours/days and no child labour shall ever be deployed. Associate shall depute full time qualified and experienced engineers to supervise the work at site. All such staff shall be maintained from commencement to completion of all works to the entire satisfaction of the Engineer-in-Charge. Associate's employees deployed for the works under this contract will not be considered in Company's employment at any time. Associate shall continue to be responsible for all such employees, their safety, all types of statutory

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compliances related thereto and in any other manner whatsoever. The company will stand indemnified by the Associate in respect of all the above. At the same time Company upon noticing any breach or default on any statutory compliances, may at their sole discretion, decide to act in a manner as deemed fit at the risks and costs of the Associate.

TPNODL shall have the right to instruct the Associate to change the Sub- Associates or skilled /unskilled workers in case the conduct, the workmanship or speed of the work is not satisfactory.

Associates shall submit duly signed undertaking regarding engagement of competent staff / employee commensurate to the nature of job to Engineer-in-charge in the format attached as Annexure – G.

4.5 Damages of Properties

The Associates shall take necessary steps to ensure that the equipment and installations of the Company, Third parties, including other utility services like water supply pipelines; open drains telephone cables etc. are not damaged during execution of the works. The Associates shall be responsible for all such damages and shall have to repair/ replace and/or compensate for the entire claims in respect of such damages at its own cost.

4.6 Issuance of Materials

The material issued to the Associate shall be in the custody of the Associates who shall be fully responsible for the same. After completion of the works, the Associates will reconcile the material. Any cost of material which is short or damaged/lost will be deducted from Associate bill/ deposits.

4.7 Company's Right To Use Works

If Taking Over Certificate is delayed for any reason, for which TPNODL's decision shall be final and binding upon the Associate, the Company shall be entitled to use the works or portion thereof without affecting Associate's responsibility and liability to complete the balance works as per company's directives from time to time, though Associate shall be afforded reasonable opportunity by the company to enable Associates to complete all balance works required for issuance of 'Taking Over Certificate' by the company.

4.8 Rights of TPNODL to vary the scope work

TPNODL shall have the right, during the performance of the Contract, to change the scope and/or technical character of the Project and/or of the supplies and services stipulated in the Contract by communicating the intent to do so in writing to the Associate. On receipt of such communication the Associate shall, within the time frame specified in the contract shall provide TPNODL with a reasonably detailed estimate of the cost of the change in scope outlined in the TPNODL communication. The change in the Contract price and time shall be revised upwards or downwards, as the case may be, and shall be mutually agreed to. The Associate shall not be entitled to any extension of time unless such changes adversely affect the time schedule.

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The Associate shall not proceed with the changes in the scope of work till such time revision of Contract price and time schedule are approved and communicated to the associate by TPNODL.

Any change in the Scope of Work and/or Terms & Conditions of the order shall be intimated by TPNODL through an amendment to the contract. The amendment shall be treated valid only if signed by the authorized signatory of the original contract.

4.9 Bid Evaluation- Commercial, Technical and Safety Evaluation

TPNODL reserves the right to evaluate the bid in the following manner on the below parameters as per the requirement:

- **Safety Evaluation:** Business Associates may be required to submit a separate Safety Bid along with their Technical & Price Bids at the time of bidding, especially in cases where the expected contract value \geq Rs. 1 Cr. and which fall in high risk category as detailed in Annexure-N. In such cases, TPNODL shall also do a Safety Bid Evaluation along with Technical Evaluation to declare the Qualified Bidders.
- **Technical Evaluation:** The bid shall be evaluated on the parameters and not limited to Bidder Experience, Bidder Performance with other utility/company, internal performance feedback, Technical Specification, General Technical Parameters (GTP), Layout, Drawings etc.

TPNODL reserves the right to carry out Factory Evaluation of Manufacturer along with the Visit to executed Sites for further evaluation to ascertain bidder's manufacturing capability, quality procedures & Performance of executed works.

- **Commercial Evaluation:** The bid shall be evaluated on the basis of Qualifying Requirement parameters and other commercial parameters as mentioned in tender.

5.0 PRICES/RATES/TAXES

The Prices and Rates are inclusive of cost of materials supplied as per contract terms and for which MDCC is issued by TPNODL and to the extent required for completion of works, cost of service executed as per schedule of quantities, cost of testing as per contract terms, cost of documentations including all relevant test certificates and other supportive documents to be furnished as per contract terms. The rates shall remain firm till actual completion of contract.

The Prices/Rates are inclusive of all taxes, levies, cesses and duties, particularly Goods and Services Tax as applicable. All government levy / taxes shall be paid only when the invoice is submitted according to the relevant act.

The prices shall remain unchanged irrespective of TPNODL making changes in quantum in all or any of the schedules of items of contract.

5.1 Changes in Statutory Tax Structure

If rate of any or all of the statutory taxes and duties applicable to the contract changes, such changes shall be incorporated by default if the changes occur within the contract execution time

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and shall be applicable if the contract is executed by the Associate within the Contract Execution Time.

For execution of contracts beyond contract execution time, where the delay is not attributable to TPNODL no upward revision in tax /duties shall be considered irrespective of changes in the statutory tax structure either within the contract execution time or beyond. However, in such cases, benefits due to any downward revisions in statutory tax rates shall be passed on to TPNODL.

6.0 TERMS OF PAYMENT

6.1 Pre-Requisites for Payment

- Associate should have completed execution of that part of contract, for which payment is sought, to the satisfaction of TPNODL's Engineer-in-Charge responsible for the contract and obtained certification for execution of the work.
- Associate has taken C-3 Form
- Associate has undertaken joint measurement of the work executed along with TPNODL's Engineer-in-charge.
- Associate's bills/invoices submitted have been certified by Engineer-In-Charge.

6.2 Bills & Invoices

Unless specified otherwise in the special conditions of contract, Associate shall raise not more than one invoice/contract per month for the services rendered in the prescribed Tax Format and the invoice shall be submitted within 15 days of the following month at Invoice Desk, TPNODL.

All Bills shall be supported by joint measurement of work done, quality test report and a copy of wage sheet, if applicable (showing proof of having disbursed wages as per applicable law) and a copy of statement substantiating that statutory payments having been affected.

Bills/ invoices shall mention Associate's GST Number, PAN number as applicable.

Final bill submission after completion of project or execution of job must be within 30 days from the actual date of completion/execution of work awarded.

6.3 Payment & Statutory Deductions

Payment shall be released within 45 days from the submission of the bills. The associate shall submit "No Demand Certificate" in the format as per Annexure-D at the time of receipt of full and final payment. In case any non-compliance to contract conditions comes to TPNODL's notice, TPNODL will be entitled to deduct 30% of estimated wages plus 20% of wages as TPNODL's overheads. Associates would be obliged to provide the copy of monthly wage sheet in any case, failing which no payment shall be made. TPNODL at their sole discretion may deposit the PF etc. with statutory authorities. TPNODL will deduct the amounts of TDS as per statutory requirement under the income tax act and the DVAT Act and certificates (wherever applicable) will be issued to associate accordingly

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In case of non-submission of PAN No TDS @ 20% shall be deducted from all payable amounts for which no TDS certificate shall be issued. TDS once deducted as above shall not be revised in any condition.

6.3.1 Statutory Deductions

TPNODL will deduct the amounts of TDS, TCS as per statutory requirement under the income tax act, the Goods and Services tax act, BOCW Act, or any other applicable tax act and certificates (wherever applicable) will be issued to associate accordingly.

For consumption of TPNODL's Water and Electricity by Associate for execution of Contract, Associate shall pay 0.5% & 1.0% respectively of contract value and it shall be deducted from the running bills.

The Engineer-in-Charge as stated in the Order shall be responsible for certification of the work executed and the bills. Bills (including original) shall be submitted in triplicate at at Finance office, Balasore.

6.4 Guidelines for Raising Running/ Final Bills

Contract Value Up to 5 Lakhs	One Final Bill
Contract Value More than 5 lakhs	Monthly Running Bill & One Final Bill

All Bills shall be processed only when all bank Guarantees are in place and before payments of Final Bill Associate have to furnish No Demand Certificate, as applicable.

6.5 Quantity Variation

Payment will be made on the basis of actual quantity of supplies/actual measurement of works accepted by TPNODL and not on the basis of contract quantity.

6.6 Full and Final Payment

Full & Final Payment in all contracts shall be made subject to the associate submitting "No Demand Certificate", in the format as per Annexure-C.

7.0 MODE OF PAYMENT

Payment shall be made through RTGS/ NEFT/ Online Net banking mode whichever of the two modes chosen by the Associate, in favour of Associate's Bank Account on TPNODL records, on whose name Contract has been issued. Those Associates opting for the RTGS mode shall submit the details of Bank Account and other details as per annexure J. Further, for any payments made, TPNODL is not responsible for any consequences/disputes Associate have among the owners channel partners, sub-Associates and all such dispute/concerns shall be settled solely by the Associate.

In case of service contracts, mostly the quantities of items indicated are estimated and preliminary. However, payments shall be made on the basis of actual quantity of work carried out and measured jointly by the Company and the Associate. Associates shall be responsible to organize joint measurements of works with TPNODL Engineer-in-Charge before raising any bill of work done. In the event Associate fails to do so, TPNODL at their sole discretion, may take

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measurements of work done and proceed as deemed fit and in such an event Associate's right to lodge any subsequent claim shall stand forfeited.

8.0 SECURITY CUM PERFORMANCE DEPOSIT

Associates shall submit within 21 days from the effective date of issue of PO/RC, Security cum Performance Bank Guarantee (SPBG) in the format as per Annexure B of this document from banks acceptable to TPNODL for:

(a) 5% of the PO value if purchase order value is more than Rs 5 Crores.

(b) 10% of the PO value if purchase order value is less than Rs 5 Crores.

This shall remain valid till the end of the Guarantee Period of contract, plus one month.

(c) 5% of the RC value in case of Rate Contract. This shall remain valid till the Guarantee period plus one month.

In case, PBG will not submitted by BA within 21 days post awarding the contract, TPNODL will reserve the right to take any appropriate action. However, in case of non-submission of PBG till the date of first bill submission, the amounts towards PBG shall be retained by TPNODL from Bills.

- For PO/RC values less than Rs. 5 lacs, Associate may request for deduction of amount equivalent to SPBG value from their first invoice. Such amount shall be withheld by TPNODL while processing the invoice and shall be released after completion of Guarantee Period plus one month.
- For PO/RC values less than Rs. 3 lacs, the clause (8.0) for Security cum Performance Bank Guarantee (SPBG) shall not be applicable.
- In case of RC (Rate Contract) after the expiry of RC validity, Associate shall have to submit SPBG. However, the Associate has the option to re-submit the SPBG as per actual RO (Release Order) value issued against the RC, valid for Guarantee Period plus one month. The Guarantee Period shall be considered as per the last RO issued against the said RC. The original SPBG as submitted against the RC shall be released on submission of the new SPBG to TPNODL. Alternatively, Associate may extend the validity of original SPBG only till the requisite period, i.e. guarantee period plus one month.

9.0 STATUTORY COMPLIANCE

9.1 Compliance to Various Acts

Associate should ensure adherence to the Anti-Lobbying, Debarment, Drug-Free, Child Labour, Factories Act and Shop and Establishment Workplace Certification, Registration details under Sales Tax and Works Contract Tax Act.

Associate shall bear the entire responsibility, liability and risk relating to coverage of its workforce under different statutory regulations including Workman's Compensation Act, ESI Act, Factories Act, 1948, the Contract Labour (Regulation and abolition) Act 1970, and any other relevant regulations as the case may be. Associate shall also be solely responsible for the payment of all benefits such as Provident Fund, ESI, Bonus, Leave compensation and other benefits as may be applicable under applicable labour laws, etc. as per the various statutory

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regulations and shall keep TPNODL indemnified in this regard against any such claim and provide documentary evidences of the same to TPNODL. TPNODL shall be entitled to, if necessary, make such payment and recover the amount from Associate.

Associate should ensure adherence to all applicable laws, rules and regulation applicable under this contract from time to time. In case of violation any risk, costs etc. shall be in associates account and keep TPNODL indemnified always till completion of contracts.

9.2 SA 8000

As TPNODL/ Tata Power is SA 8000 compliant, it expects its Associates to follow guidelines of SA 8000:2014 on the following aspects

1. Child Labour
2. Forced or Compulsory Labour
3. Health & Safety
4. Freedom of Association & Right to Collective Bargaining
5. Discrimination
6. Disciplinary Practices
7. Working Hours
8. Remuneration
9. Management System

Business Associate is expected to ensure adherence to all statutory laws and requirements as applicable. The Associate needs to obtain Form C-3 before commencement of work and No Objection Certificate (NOC) on completion of work from BA-Relations Cell/ HR of TPNODL.

In case any non-compliance is observed, TPNODL shall reserve the right to penalize the bidder as per direction of E-I-C. The penalty shall be 1% of total all-inclusive contract value for such cases. Also, TPNODL reserves the right to reject such bidder in future tenders.

9.3 Affirmative Action

TPNODL appreciate and welcome the engagement/employment of persons from SC/ST community or any other deprived section of society by their business associates.

Relaxation in Contract Clauses under Affirmative Action for SC/ ST Business Associates**

TPNODL believes that inclusive growth is the key to sustainable development, and to promote the same Policy on Affirmative Action for Scheduled Caste & Scheduled Tribe Communities has been adopted across the company.

Under the same pre-text, and to promote entrepreneurship among SC/ST community TPNODL has taken initiative by proposing relaxations in contract clauses as per below:

S. No.	Initiative	for SC/ ST BA's	Guideline Document
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1	Tender Fees	100% waiver for SC/ST community	All Open Tenders
2	Earnest Money Deposit	50 % relaxation of estimated EMD value	All limited and Open Tenders
3	Performance Bank Guarantee	50% relaxation in PBG for order value above 50 lacs else 25% relaxation	All limited and Open tenders
4	Turnover	25% relaxation in company turnover under qualifying requirement criteria	All Open Tenders

****Classification of BA s under SC/ST shall be governed under following guidelines:**

- Proprietorship/ Single Ownership Firm: Proprietor of the firm should be from SC/ST community. Governing document shall be duly audited latest balance sheet bearing name of all the partners.
- Partnership Firm: Only such firms shall qualify which have SC/ST partners holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Partnership Deed and duly audited latest balance sheet bearing name of all the partners.
- Private limited company: Only such firms shall qualify which have SC/ST directors holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Memorandum of Understanding (MoU) and/or Article of Association (AoA).

Certification from SC/ST commission shall be required for deciding upon SC/ST status of a person.

9.4 Compliance to Labour Laws

Bidder needs to ensure compliance to applicable labour laws including timely disbursement of wages. In case wages are not disbursed as per the stipulated timelines, then TPNODL shall pay the wages to BA employees on behalf of BA. Apart from deducting the amount of wages paid, TPNODL shall deduct an additional service charge equivalent to 25% of the wages paid from the payment due to BA.

9.5 Compliance to Construction and Demolition Waste Management Rules & Environment (Protection) Amendment Rules

BA is liable to follow the Construction and Demolition Waste Management Rules- 2016, Environment (Protection) Amendment Rules- 2018 and Guidelines on dust mitigation measures in handling construction material and C&D wastes issued by CPCB.

Following are some main points of above Rules/Guidelines for Construction work, cable laying jobs etc.

1. Barricading to be provided at site to cover complete area.
2. Construction material and waste should be inside the closed area made by using barricading.
3. Water sprinkling/fine spray from nozzles to be done to suppress the dust.
4. The board of Dust mitigation measures shall be displayed at site for public viewing with required details.
5. Loose sand or soil and construction material that causes dust shall be covered.

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6. Transport material that are easily wind borne need to be covered by a sheet made of either jute, tarpaulin, plastic or any other effective material.
7. All areas for storing C&D waste/construction material to be demarcated and preferably barricaded particularly those materials that have potential to be dust borne.
8. Grinding and cutting of building materials in open area shall be prohibited.
9. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
10. No uncovered vehicles carrying construction material and waste shall be permitted.
11. Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures to be notified at the site.

9.6 Special Terms & Conditions for BAs engaged under PLPBC or Service Contracts

1. The Business Associate will abide by the rules & regulations and various process requirements of TPNODL which may get amended from time to time based on business needs.
2. The Business Associate shall ensure submission of required information to TPNODL as required by TPNODL or any government authorities (with a copy to TPNODL), as and when required within the stipulated time frame.
3. The business associate shall, before start of work, obtain and submit to TPNODL a copy of
 - ✚ PF Code allotment letter issued to him/them by the EPF organization.
 - ✚ ESIC Code allotment letter issued to him/them by the ESI authorities.
 - ✚ valid insurance documents under Employees' Compensation Act, for its employees not eligible for coverage under ESIC
4. The Business Associate shall, in case of his/engagement in any construction activities falling under the purview of the Building and Other Construction Workers (BOCW) Act, apply for registration under the said BOCW Act before start of work and obtain the said registration within a month of starting such work. Business Associate shall also ensure compliance to all other applicable provisions including payment of applicable cess under the Act.
5. The Business Associate shall comply with all applicable provisions under Inter State Migrant Workmen (ISMW) Act.
6. The Business Associate shall ensure its employees enter and work at respective place of work or premises of TPNODL in fulfilment of contractual obligations of the Business Associate, only with due authorization and valid IDENTITY. Issue of such authorization cum identity passes to its workers would be facilitated by the Business Associate, by submitting relevant information, documents, authorizations and complying to TPNODL's processes including safety training and medical checkup procedures as laid down from time to time for issue of authorization cum identity-passes. Business Associate shall not engage any of its workers for work without a valid authorization cum identity pass or with a VISITOR GATE PASS. Violation of the above may lead to termination of the contract.
7. The Business Associate shall comply with the following under various statutes, statutory requirement or any other requirement as may be applicable from time to time :

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- i) Submit an application for obtaining Form-V, required for applying for Labour License.
 - ii) Submit a copy of valid Labour License with reference to the work order, without which authorization cum identity passes would not be issued to the employees of respective Business Associate.
 - iii) Temporary authorization cum identity passes are issued only for seven days, hence the Business Associate will be required to arrange for issuance of permanent authorization cum identity passes within said timeline, by submitting required documents/information. With special permission from user and HR/IR department the validity of temporary authorization cum identity passes can be extended upto 15 days. Under no circumstances shall temporary authorization cum identity passes be issued for more than 15 days.
 - iv) Business Associate is required to complete the process of Medical fitness certificate and police verification certificate within these seven days, unless exempted by the TPNODL management. Any delay due to reasons beyond control of the vendor, needs to be approved by TPNODL HR/IR department.
 - v) Business Associate shall apply for Authorisation cum Photo identity pass as per Company's security procedure.
 - vi) In case of renewal of authorization cum identity passes, the application should be initiated at least seven days in advance.
 - vii) Business Associate shall submit the Register of Workmen in Form-XIII, duly filled in all respects, within 15 days of starting the job.
 - viii) Business Associate shall provide employment card (Form-XIV) to all his/their workers.
 - ix) Business Associate shall disburse wages to its employees by 7th of the subsequent month under intimation to TPNODL, through bank transfer with submission of a copy of bank statement to TPNODL. TPNODL expects its associate vendors/ Business Associates to facilitate opening of bank account by all its employees and pay wages through bank transfers.
 - x) Wage notification should be given by the Business Associate at least one week ahead. A copy of the same to be forwarded to TPNODL for information necessary confirmation of payments.
 - xi) Wages Slip (Form-XIX) to be provided by the Business Associate to all its workers before disbursement of wages.
 - xii) PF contribution to be deposited on or before 15th of the subsequent month and proof thereof need to be submitted to TPNODL by 25th of the month.
 - xiii) Business Associate to facilitate transfer of PF/EPF accumulations in respect of its employees from their previous employer, if any.
 - xiv) ESI contribution to be deposited on or before 21st of the subsequent month and proof thereof need to be submitted to TPNODL by 25th of the month.
 - xv) Muster roll, Wage Register, Combined Challan & ECR of PF deposition and Challan / Contribution history of ESIC to be submitted to TPNODL HR/IR Department on or before 25th of the subsequent month.
 - xvi) Business Associate shall be required to arrange for applicable welfare measures under applicable statutes for its employees in consultation with TPNODL order manager.
 - xvii) Business Associate has to submit all the relevant returns under all applicable enactments on or within the scheduled date and a copy of the same need to be submitted to TPNODL HR/IR department within seven days of the scheduled date of submission.
8. Business Associate shall not be allowed to work for TPNODL without possessing a

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*** Valid PO *Valid Labour License * Valid Authorisation cum Identity Pass**

9. NO BILLS OF THE VENDOR/BUSINESS ASSOCIATE SHALL BE RELEASED IN CASE OF FAILURE TO COMPLY WITH THE ABOVE PROVISIONS.
10. Above requirement not being exhaustive, vendors/ Business Associate will be liable to comply with the provisions of any other enactment as notified or would be applicable to them from time to time.
11. An additional overhead charge of 25% of the wage bill value will be charged to the Business Associate in case the BA fails to pay the wages of its workers in time and TPNODL as principle employers is compelled to make the payment on their behalf. The total amount, including the overhead charge, will be recovered from the subsequent bill payable to the Business Associate.
12. Continuous default in wage payment to its employees within stipulated date as mentioned above, for three months, will lead to termination of the contract and may also lead to blacklisting of the Business Associate/ cancel vendors' registration.
13. After completion of work and before or at the time of submission of final bills, the Business Associate must ensure the following and submit proof thereof to TPNODL enabling TPNODL release its final bills. In absence of the same no such bills would be released by TPNODL :
 - a. All wage payments are made to its workers till the last day of their work in TPNODL
 - b. Compensation towards Leave with wages are disbursed to its employees till the last day of their work.
 - c. Statutory bonus is paid to its employees for the period of their work.
 - d. Retrenchment compensation, where applicable, is paid to its employees as per eligibility.
 - e. Notice is given to the workers regarding retrenchment and in absence; notice pay is given to the workers as per the enactment, where applicable.
 - f. Along with final payments, full & final statement is issued to all its employees engaged by them for their work in TPNODL
 - g. No dues certificate is obtained from all its employees and copy submitted to TPNODL
 - h. Ensure withdrawal or transfer formalities in respect of PF/EPF accumulation of all its employees and submit proof thereof to TPNODL HR/IR dept.
 - i. Submit Form VI-A to TPNODL and surrender Labour License, wherever issued, to concerned labour department in case the license is no more required for work in TPNODL, and obtain clearance thereof from the Licensing Authority for submission to TPNODL.
 - j. Ensure intimation to PF & ESI authorities regarding completion of work and closure of contract with TPNODL. Proof of such intimation need to be submitted to TPNODL.
 - k. Indemnify TPNODL from any future liability on account of statutory compliance or failure on part of the vendor/Business Associate for their work in TPNODL in respect of their employees or employees of their sub vendors/Business Associates, by submitting an Indemnity Bond on Rs.100/- non judicial stamp paper executed by its Director/Proprietor, authorized for the purpose, and duly notarized.
 - l. Return back the Authorization cum Photo Identity passes to Administration representative or HR/IR department and submit proof thereof to TPNODL HR/IR team.

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14. Penalty of up to Rs.1,00,000/- per month will be applicable to Business Associates defaulting on compliances as mentioned below, at the sole discretion of TPNODL management.

- a. Any complaint received from the workmen of the Business Associate of non-payment / less payment or payment after the due date i.e. the stipulated date for such payment as per law, will attract penalty
- b. Non submission of any or all of the documents listed below (as applicable), in proof of all required statutory compliance (other than wage/payment register), within stipulated time for which it is due, will attract penalty.

List of documents:

1. Copy of valid Labour License.
2. Registers & records under applicable enactments.
3. PF Challan & ECR File.
4. ESI Challan & Contribution History.
5. Undertaking regarding non engagement of migrant workmen at TPNODL Site.
6. Details of wage payment through Bank.
7. Compliance w.r.t. BOCW Act (if applicable)
8. Submission of Applicable returns.

Our Business Associates are our business partners who we expect to be law abiding and complying to all statutory requirements, thereby not necessitating us to invoke the penalty clause mentioned in this GCC

15. The Business Associate will be required to take an appropriate insurance coverage for all its employees engaged by them in TPNODL against any accidental death anywhere in India, for a sum insured value of Rs.15 Lacs. In absence of having such coverage and in an unfortunate event of any accidental death of any of its workers, the BA will be required to pay such amount of Rs.15 Lacs to the victim's family/ legal heirs. This will be payable by the BA over & above the compensation, if any, payable under the Employees' State Insurance Act for covered employees or compensation payable by BA under the Employees' Compensation Act.

The Business Associate will also be required to take an appropriate insurance coverage for all its employees engaged by them in TPNODL against any death due to Covid-19 irrespective of place, type & days of treatment anywhere in India, for a sum insured value of Rs.10 Lacs. In absence of having such coverage and in an unfortunate event of any death of any of its workers due to Covid-19, the BA will be required to pay such amount of Rs.10 Lacs to the victim's family/ legal heirs. The BA is free to have this coverage for their employees against Covid-19 death through a mutually agreed contributory scheme and may recover up to 50% of the average premium payable per insured, from its employees.

9.6 MSME Development ACT 2006

Provisions for Firms falling in The Micro, Small and Medium Enterprise Development Act 2006:-

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- Business Associate is requested to inform the TPNODL if they fall under provisions of The Micro, Small and Medium Enterprises Development Act, 2006 legislation, and provide necessary documents to TPNODL. The Associate also needs to mention the relevant details on their invoice/ bill.
- Business Associate shall submit the self-undertaking of registration in MSME category at the time of bidding as well as on an annual basis to TPNODL, enabling them to avail the consequent benefits, failing which TPNODL may take appropriate action against such defaults.
- Business Associates falling in MSME category can avail the following benefits-
 - a. **Tender Fees:** To participate in the tender, MSMEs registered in the State of Odisha shall pay Rs.1,000 including GST towards cost of tender paper.
 - b. **Earnest Money Deposit (EMD):** EMD shall be exempted for MSME registered in the State of Odisha. However, Bidder shall be barred to participate in the tendering process for a period of 2 years in case it backs out post award of the contract.
 - c. **Qualification Requirement for Open Tenders:** Qualification Requirement of Financial Turnover for MSME registered in the State of Odisha shall be reduced to 20% of the existing criteria. For past experience, instead of relying on the volumes / value of earlier Supplies / Projects, assessment of the Bidder shall be done on the basis of feedback from Customers. Past performance experience at Tata Power/ TPNODL and its Group Companies shall supersede feedback from other Customers.
 - d. **Reservation for MSME:** TPNODL reserve the rights to procure at least 20% of the total volume of the procurement from MSME registered in the State of Odisha (however, it shall not apply where goods/services are not available with the MSME), subject to matching L1 discovered prices and meeting technical specifications including quality requirements.
 - e. **Performance Bank Guarantees:** Performance Bank Guarantee for MSME registered in the State of Odisha shall be 25% of the value normally prescribed.

9.7 ISO 14001

- The vendor to confirm whether their organization is ISO 14001 certified. If not, the Vendor must certify that the handling, use and disposal of their product/ by-products conform to practices consistent with sound environment management and local statutes. The Vendor shall ensure that all the wastes are disposal in environmental friendly way with strict compliance to applicable laws including adherence to MoEF guidelines with respect to the disposal of batteries, lead waste, copper cables, ash, waste oil, e-waste etc. which shall be disposed through MoEF approved parties only. The vendor shall also dispose off the e-waste generated at the end of the product life cycle at its own costs and risk as per the MoEF guidelines/ Orders

10.0 QUALITY

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10.1 Knowledge of Requirements

The Associate shall be deemed to have carefully examined and to have knowledge of the equipment, the general and other conditions, specifications, schedules, drawings, etc. forming part of the Contract and also to have satisfied himself as to the nature and character of the work to be executed and the type of the equipment and duties required including wherever necessary of the site conditions and relevant matters and details. Any information thus procured or otherwise obtained from TPNODL/Consultants shall not in any way relieve the Associate from his responsibility and executing the works in accordance with the terms of contract.

10.2 Adherence to Rules & Regulations

The Associate shall procure and/or fabricate/erect all materials and equipment in accordance with all requirements of Central and State enactment, rules and regulations governing such work in India and at site. This shall not be construed as relieving the Associate from complying with any requirement of TPNODL as enumerated in the Contract which may be more rigid than and not contrary to the above mentioned rules, nor providing such construction as may be required by the above mentioned rules and regulations. In case of variance of the Technical Specification from the laws, ordinance, rules and regulations governing the work, the Associate shall immediately notify the same to the TPNODL. It is the sole responsibility of the Associate, however, to determine that such variance exists. Wherever required by rules and regulations, the Associate shall also obtain the statutory authorities' approval for the plant, machinery and equipment to be supplied by the Associate.

10.3 Specifications and Standards

The Associate shall follow all codes and standards referred in the Contract Document. Codes and standards of other may be followed by the Associate with the prior written approval of TPNODL, provided materials, supplies and equipment according to the standard are equal to or better than the corresponding standards specified in the Contract.

Brand names mentioned in the Contract documents are for the purpose of establishing the type and quality of products to be used. The Associate shall not change the brand name and qualities of the bought out items without the prior written approval of the TPNODL. All such products and equipment shall be used or installed in strict accordance with original manufacturer's recommendations, unless otherwise directed by the TPNODL. In any circumstances the codes, specimen and standards prescribed by any government agency should not be violated.

11.0 SAFETY

All Associates shall strictly abide by the guidelines provided in TPNODL's Contractor Safety Management System (CSMS) as applicable at all stages during the contract period. Associate shall execute the contracts ensuring the following in and as order of priority:

- Safety of Human Beings.
- Safety of Equipment/Assets.
- Timely Completion of Contract.

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Safety related requirements as mentioned in our Contractor Safety Management System is attached as annexure K and is an integral part of this GCC. TPNODL may revise this CSMS document as a when required and the revised version shall be applicable on all contracts – current or future.

12.0 GUARANTEE

12.1 Guarantee of Performance

Associates shall stand guarantee that the equipment and material supplied/service or work rendered under the contract is free from design, manufacturing, material, construction, erection & installation and workmanship & quality defects and is capable of its due, rated and intended quality performance, as an integrated product delivered under the contract or a specific period termed as Guarantee Period(as elaborated elsewhere in this clause) The Associate should also guarantee that the equipment/material is new and unused except for the usage required for the tests and checks required as part of quality assurance.

12.2 Guarantee Period

The Guarantee Period will be equipment/service/work specific and shall be as specified in the Standard Specifications of TPNODL for the equipment/material/service/work and where standard specifications are not part of contract documents or guarantee period is not specified in the standard specifications,, the guarantee period shall be as per the Special Terms and Conditions of the Contract. In case of no mention of the guarantee period in standard specifications or SCC Guarantee Period will be 12 Months from the Date of Commissioning or 24 months from the date of delivery of final lot of supplies made, whichever is earlier.

12.3 Failure in Guarantee Period (GP)

If the equipment and material supplied/service or work rendered under the contract fails to perform its due, rated & intended quality performance, during the Guarantee period, the associate is liable to undertake repair/rectify/replace the equipment and material supplied/service or work rendered under the contract within time frame specified in the SCC or elsewhere in the contract documents at associate's cost to make the equipment and material supplied/service or work rendered under the contract of performing its due, rated and intended quality performance. If Associate fails to repair/rectify/replace the equipment or material supplied/service or work rendered under the contract, failed in Guarantee Period, TPNODL will be at liberty to get the same done at Associate's risks and costs and recover all such expenses plus the TPNODL's own charges (@ 20% of expenses incurred), from the Associate or from the "Security cum Performance Deposit" as the case may be.

If during the Warranty/ Guarantee period some parts of the supplies are replaced owing to the defects/ damages under the Warranty, the Warranty period for such replaced parts shall be until the expiry of twelve months from the date of such replacement or renewal or until the end of original Guarantee period, whichever is later.

Any repairs during the Guarantee Period shall be carried out by the Associate within 30 days of reporting the issue to Associate by TPNODL. However, if replacement of the Equipment is required, Associate shall notify the same to TPNODL within 7 days of reporting the issue by

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TPNODL. Thereafter, the total time for supply of new equipment/ material shall be equal to the original delivery period of that equipment/ material as specified in the Contract. In case the Associate is not able to rectify/ replace the faulty equipment/ material within the stipulated timelines as mentioned above, penalty shall be levied as per the Liquidated Damages clause mentioned in this document. The penalty amount shall be recovered from the payment due to the vendor or by encashment of the SPBG as the case may be.

12.4 Cost of repairs on failure in GP

The cost of repairs/rectification /replacement, apart from the actual cost of repairs/rectification/replacement is also inclusive of all associate costs of required transportation, site inspection /mobilization/dismantling and re-installation costs as applicable. The Associate has to ensure that the interruption in the usage of intended purpose of the equipment is minimized to the maximum extent In lieu of the time taken for repairs/rectification/replacement.

12.5 Guarantee period for Goods Outsourced

If the Associate outsources partly equipment/materials/services from third party as mutually agreed upon at the pre award stage of contract, TPNODL shall have the benefit of any additional guarantee period if provided by the third party for the part supplied/executed by them.

12.6 Latent Defect

Hidden defects in manufacturing or design of the product supplied and which could not be identified by the tests conducted but later manifested during operation of the equipment are termed as latent defects. Associates shall further be responsible for 'free replacement' for another period of THREE years from the end of the guarantee period for any 'Latent Defects' if noticed and reported by the Company.

13.0 LIQUIDATED DAMAGES

- a) For Services which are of standalone use, multiple in quantities and having a single final completion schedule, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPNODL, as described below:

For delay of each week and part thereof from the completion schedule specified in the contract, 1% of contract value corresponding to unexecuted work, provided full execution is done within 130% of the original contract time. If full contractual service/work rendered is not completed within 130% of contract time for execution, TPNODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value.

- b) For services having phased completion schedule(milestone) as per contract terms, standalone use and multiple in quantities, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPNODL, as described below:

For the purpose of calculating and applying LD, each milestone shall be considered separately. For delay of each week and part thereof, from the execution of work schedule specified in the milestone, 1% of the contract value corresponding to the unexecuted work of the milestone, subject to a maximum of 10% of the total contract value of that milestone

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shall be levied. However, if full contractual service/work rendered is not completed within 130% of contract time for execution, TPNODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value. Deduction of LD shall be on landed cost i.e contract value inclusive of taxes and in pursuant statutory compliance GST would be applicable at the stipulated rate and the same shall be borne by Business Associate. In case of LD deduction, a GST invoice shall be issued by TPNODL as a proof of deduction/ recovery.

13.1 LD Waiver Request

Any request of LD waiver shall be submitted within thirty (30) days of deducting LD. Request submitted beyond the timeline shall not be entertained.

13.2 Material Recovery

In case of any recoveries for materials or services (for material free issued by TPNODL and not reconciled by BA or for services claimed and paid in excess at the time of running bills), the total cost which shall be recovered from the BA, shall be the gross amount of material or services (i.e. including taxes) plus applicable taxes as prevailing at the time of such recoveries.

14.0 ASSIGNMENT OR SUBCONTRACTING

Associates shall not assign/subcontract/outsource the schedule of activities of contract TPNODL enters with the associate, in part or full, without TPNODL's prior written approval. However outsourcing of materials/equipment/services by Associate to make the integrated product for which TPNODL's has placed the contract with the associate from suppliers, makes and agencies which have been mutually agreed upon during contract pre-award stage is permitted subject to following conditions.

In such cases where outsourcing is done by the Associate

- Shall ensure that outsourced suppliers comply with the technical and financial qualification requirements specified by TPNODL in the contract document
- Shall furnish all particulars about the proposed outsourcing agencies and the details of the goods/services/work outsourced to the Associate while seeking approval of TPNODL for inclusion for outsourcing. The Associate shall give approval or shall refuse approval in writing within thirty (30) days of receipt of such request. However the Associate shall not be entitled for any additional contract execution time whatsoever in lieu of the process for approval for outsourcing agencies, and shall be held responsible for any delay in the project execution time.
- Shall remain jointly and severally liable for any action, deficiency, and/or negligence on the part of his outsourcing agencies. The approval extended by the Associate to outsourcing agencies recommended by the Associate shall not discharge the later from his Contract obligations.

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Shall submit to the Associate unpriced copies of purchase orders with technical specifications included in the orders, placed on outsourcing agencies as soon as the respective orders have been placed by the Associate.

15.0 UNLAWFUL ACTIVITIES

The Associate shall have to ensure that none of its employees are engaged in any unlawful activities (whether covered under the scope of the present GCC or not) subversive of the TPNODL's interest failing which appropriate action (legal or otherwise) may be taken against the Associate by the TPNODL, in accordance with the terms of the present GCC.

16.0 CONFIDENTIALITY

Associate and its employees or representatives thereof shall strictly maintain the confidentiality of various information they come across while executing the contract as detailed below.

16.1 Documents

All maps, plans, drawings, specifications, schemes and other documents or information related to the Contract/Project and the subject matter contained therein and all other information given to the Associate by the TPNODL in connection with the performance of the contract shall be held confidential by the Associate and shall remain the property of the TPNODL and shall not be used or disclosed to third parties by the Associate for any purpose other than for which they have been supplied or prepared. The Associate may disclose to third parties, upon execution of confidentiality agreements, such part of the drawings, specifications or information if such disclosure is necessary for the performance of the Work provided such third parties agree in writing to keep such information confidential to the same extent and degree as provided herein, for the benefit of the TPNODL.

16.2 Geographical Data

Maps, layouts and photographs of the unit/plant including its surrounding regions showing vital installation for national security of country or those of TPNODL shall not be published or disclosed to the third parties or taken out of the country without prior written approval of the TPNODL and upon execution of confidentiality agreements satisfactory to the TPNODL with such third parties prior to disclosure.

16.3 Associate's Processes

Title to secret processes if any developed by the Associate on an exclusive basis and employed in the design of the equipment shall remain with the Associate. TPNODL shall hold in confidence such processes and shall not disclose such processes to the third parties without prior approval of the Associate and execution by such third parties of secrecy agreements satisfactory to the Associate prior to disclosure. Upon completion of contract, such processes shall become the property of the TPNODL. Title to technical specifications, drawings, flow sheets, norms, calculations, diagrams, interpretations of test results, schematics, layouts and such other information, which the Associate has supplied to the TPNODL under the Contract shall be passed on to the TPNODL. The TPNODL shall have the right to use these for

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construction, erection, start-up, Trial Run, operation, maintenance, modifications and/or expansion of the works including for the manufacture of spare parts.

16.4 Exclusions

The provision of Clauses 16.1 to 16.3 shall not apply to information:

- Which at the time of disclosure are in the public domain which later on become part of public domain through no fault of the party concerned, or
- Which were in the possession of the party concerned prior to disclosure to him by the other party, or
- Which were received by the party concerned after the time of disclosure without restriction on disclosure or use, from a third party who did not acquire such information directly or indirectly from the other party or has no obligation of confidentiality for such information.

16.5 Violation

In case of violation of this clause, the Associate is liable to pay compensation and damages as may be determined by the competent authority of TPNODL.

17.0 INTELLECTUAL PROPERTY RIGHTS

If, in the course of performance of its functions and duties as envisaged by the scope of the present GCC, the Associate acquires or develops, any unique knowledge or information which would be covered, or, is likely to be covered within the definition of a trademark, copyright, patent, business secret, geographical indication or any other form of intellectual property right, it shall be obliged, under the terms of this present GCC, to share such knowledge or information with the TPNODL. All rights, with respect to, or arising from such intellectual property, as aforementioned, shall solely vest in TPNODL.

Moreover, the Associate undertakes not to breach any intellectual property right vesting in a third party/parties, whether by breach of statutory provision, passing off, or otherwise. In the event of any such breach, the Associate shall be wholly liable to compensate, indemnify or make good any loss suffered by such third party/parties, or any compensation/damages arising from any legal proceeding/s, or otherwise. No liability of TPNODL shall arise in this respect, and any costs, damages, expenses, compensation payable by TPNODL in this regard to a third party/parties, arising from a legal proceeding/s or otherwise, shall be recoverable from the Associate.

18.0 INDEMNITY

The Associate shall at all times indemnify, keep indemnified and hold harmless the TPNODL and its officers, directors, employees, affiliates, agents, successors and assigns against all actions, claims, demands, costs, charges and expenses arising from or incurred by reason of any infringement of patent, trade mark, registered design, copy rights and/or industrial property rights by manufacture, sale or use of the equipment supplied by the Associate whether or not the TPNODL is held liable for by any court judgement. In this connection, the TPNODL shall pass on all claims made against him to the Associate for settlement.

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The Associate assumes responsibility for and shall indemnify and save harmless the TPNODL from all liability, claims, costs, expenses, taxes and assessments including penalties, punitive damages, attorney's fees and court costs which are or may be required to be paid by the TPNODL and its officers, directors, employees, affiliates, agents, successors and assigns arising from any breach of the Associate's obligations under the Contract or for which the Associate has assumed responsibilities under the Contract including those imposed under any local or national law or laws, or in respect to all salaries, wages or other compensation for all persons employed by the Associate or his Sub-Associates or suppliers in connection with the performance of any work covered by the Contract. The Associate shall execute, deliver and shall cause his Sub-Associate and suppliers to execute and deliver, such other further instruments and to comply with all the requirements of such laws and regulation as may be necessary there under to conform and effectuate the Contract and to protect the TPNODL.

The TPNODL shall not be held responsible for any accident or damages incurred or claims arising, due to the Associate's error there from prior to completion of work. The Associate shall be liable for such accidents and after completion of work for such accidents as the case may be due to negligence on his part to carry out Work in accordance with Indian laws and regulations and the specifications set forth herein.

19.0 LIABILITY & LIMITATIONS

19.1 Liability

Except for any specific liability which may be identified in the Contract and which may be payable hereunder, Associate shall not be liable for any special, incidental, indirect, or consequential Damages or any loss of business Contracts, revenues or other financial loss (or equivalents thereof no matter how claimed, computed or characterized) arising out of or in connection with the Performance of the Work or supply of Goods ***unless caused by Associate's negligence, willful misconduct or breach of contract.***

If the Associate is a joint venture or consortium, all concerned parties shall be jointly and severally bound to the TPNODL for the fulfillment of the provisions of the Contract. The consortium or the joint venture shall designate one party as their leader, who will be the coordinator between the parties and TPNODL. The constituents & leader of the consortium or joint venture shall not be changed without the prior consent of TPNODL.

TPNODL shall have no liability or any special, incidental, indirect or consequential Damages for any loss of Business Contracts, revenues or other financial loss arising out of this Contract.

19.2 Limitation of Liability

The total liability of Associate against any contract shall be limited to the Total All Inclusive Contract Value.

20.0 FORCE MAJEURE

Force Majeure applies if the performance by either Party ("the Affected Party") of its obligations under Contract is materially and adversely affected.

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“Force Majeure” shall mean any event or circumstance or combination of events or circumstances referred below and their consequences that wholly or partly prevents or unavoidably delays any Party in the performance of its obligations under this Agreement, but only and to the extent that such events and circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided even if the Affected Party had taken reasonable care:

- Act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, embargo, blockade, revolution, riot, bombs, religious strife or civil commotion, etc.
- Politically motivated sabotage, or terrorism, etc.
- Action or Act of Government or Governmental agency for which remedy is beyond the control of the affected parties.
- Any act of God.

Note: Causes like power breakdown/ shortages/fire/strikes, accidents etc. do not fall under Force Majeure.

Time being the essence of the Contract, if either party is prevented from the performance of its obligations in whole or in part due to an event of Force Majeure, then provided Notice of happening of any event by the Affected Party is given to the other party within seven (7) days from the date of occurrence of such event, which DIRECTLY has impact on works and submitted details and quantum of resulting effect, but at the same time had made all possible efforts to mitigate and overcome effects thereof, the Affected Party's performance under this Contract shall be suspended until such event ceases and the Scheduled Completion shall be delayed accordingly.

If Force Majeure event(s) continue for a period of more than three months, the parties shall hold consultation to discuss the further course of action.

Neither party shall be considered to be in default or in breach of its obligation under the Contract to the extent that performance of such obligation by either party is prevented by any circumstances of Force Majeure which arise after effective date of Contract.

Neither party can claim any compensation from the other party on account of Force Majeure.

21.0 SUSPENSION Of CONTRACT

21.1 Suspension for Convenience

TPNODL may, at any time and at its sole option, suspend execution of all or any portions of the schedule of items of contract to be supplied/work to executed by Associate under the contract by providing to the Associate at least two business days written notice for contracts having contract completion period less than sixty days and at least seven business day notice for all other contracts.

Upon receipt of any such notice, the Associate shall respond as follows as applicable as per contract construction.

- Immediately discontinue further supply of material/goods specified in the suspension notice for supply contracts

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- Immediately discontinue further service/work and supply of materials of those services/materials/work specified in the suspension notice for service /composite contract
- Promptly make every reasonable effort to obtain suspension, upon terms satisfactory to TPNODL, of all orders, outsourcing arrangements, and rental Contracts to the extent that they relate to performance of the portion of Work suspended by the notice.
- Protect and maintain the portion of the service/Work already completed, including the portion of the Work suspended hereunder, unless otherwise specifically stated in the notice.
- Continue delivering/carrying out the supply/service/work items as per contract conditions, which do not fall under purview of the suspension notice.

On receipt of resumption notice from TPNODL, the Associate shall resume execution of contract as specified in the resumption notice, within the time frame specified in the resumption notice.

21.2 Suspension for Breach of Contract conditions

TPNODL shall suspend execution of whole/or part thereof the contract till such time Associate complies with the conditions stipulated under section clause 22 for breach/default of contract conditions.

21.3 Compensation in lieu of Suspension

If the suspension of the contract in whole or in part is for convenience of TPNODL and not due to any breach of contract conditions by the associate, TPNODL at its discretion shall consider compensating all reasonable additional costs incurred by Associate in lieu of suspension of whole or part of contract, on representation of the Associate providing justified estimates of such additional costs and such estimates are found acceptable and approved by competent authority of TPNODL.

If the suspension of contract in whole or part thereof is due to breach of contract conditions (refer clause 24.3) by the Associate, Associate shall not be entitled for any compensation for any cost incurred in lieu of suspension of whole or part of contract and also shall be liable for compensating all the losses arising to TPNODL in lieu of suspension of contract. Resumption notice shall be subject to the Associate taking corrective action for the breach of contract conditions within the time frame and as per the terms specified in the suspension notice.

22.0 TERMINATION OF CONTRACTS

22.1 Termination for Default/Breach of Contract

The contract / PO shall be subject to termination by TPNODL in case of breach of the contract by the Associate which shall include but not be limited to the following:

- a. Withdrawal or intimation by the Associate of its intent to withdraw or surrender the execution / completion of the contracted work /PO or failure in ensuring adherence to any delivery schedules, in deviation of the contract/PO
- b. Refusal or neglect on the part of the Associate to supply material/equipment of quantity or quality as specified by TPNODL and within the timeframe as specified in the contract

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document or refusal or neglect to execute the services/work in terms of the agreed standards of quantity or quality and/or within the timeframe specified in the contract/PO.

- c. Failure in any respect to perform any portion of the Work contracted with promptness, diligence, or in accordance with the terms of the contract.
- d. Failure to furnish guarantees as specified and /or failure to comply with the terms thereof.
- e. Failure to furnish such relevant documents or information within the time specified which may be necessary for due execution / completion of the works and documentation.
- f. Liquidation, bankruptcy either voluntary or involuntary OR entering into any composition or compromise with its creditors, or Insolvency.
- g. In case any reasonable information has been received by TPNODL that Associate has adopted/ or attempted to adopt any unethical conduct, action in award of the contract /PO or at any time thereafter.
- h. Failure to comply with applicable statutory provisions as contained in the contract or failure to comply with the applicable laws.
- i. Failure to comply with safety regulations/clauses stipulated in the contract or as may be generally instructed by TPNODL.

If the default or breach as specified under clause 22 (except sub clause g thereof) be committed by the Associate for the first time, TPNODL shall issue, along with notice of default or breach, a warning notice instructing the associate to take remedial/corrective action within the time frame stipulated in the warning notice and not to repeat the same in future. The timeframe for corrective action by the associate shall be specific to the nature of breach of contract and the same shall not be objected to by the Associate. If the Associate fails to comply with the instructions in the warning notice or in taking corrective action to the satisfaction of TPNODL then TPNODL may terminate the entire or part of contract at its discretion by issuing termination notice without incurring any liability on this ground.

In case the contract is terminated for any breach of the nature specified in clause 24 g stated above, TPNODL shall have the right to terminate all the contracts TPNODL is having with the Associate by issuing termination notice which shall be without prejudice to the other rights of TPNODL available to it under law.

Without prejudice to its right to terminate for breach of contract, TPNODL may, without assigning any reason, terminate the Contract in whole or in part at any time at its discretion while the contract is in force by serving a written notice of two weeks to the Associate.

In the event of TPNODL having proceeded with termination of the contract the associate shall comply and proceed further in the following manner:

- a. Associate shall discontinue the supply, on the expiry of the said period of two weeks.
- b. Associate shall ensure that no further steps are being taken towards discharge of the obligations, terms and conditions as contained in the contract/PO. This shall include initiation of actions not limited to discontinuation of other allied and associated

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arrangements which the associate might have entered into with third parties for due discharge of its obligations under the contract with TPNODL.

- c. The Associate shall perform thereafter such tasks as may be necessary to preserve and protect the terminated portion of the material/service/work in progress and the materials and equipment at TPNODL sites or in transit thereto. However the associate shall continue to fulfill its contractual obligations with regard to the part of contract not terminated.
- d. It shall be open for TPNODL to conduct a joint assessment with the associate of the material ,supplies, equipment ,works or in general as to the subject matter of the contract in regard to which the associate claims having completed its obligations before or during such termination.
- e. It shall be open to TPNODL to seek invocation of the performance bank guarantee or any other guarantee or other security deposit by whatever name called submitted by the associate, which shall not be objected to or protested against by the associate.

In case of termination of the contract the parties agree to be governed inter alia by the following:

- a. In case TPNODL exercises its right of termination as stated above the associate shall not dispute or object to the same.
- b. The Associate shall be entitled to receive and claim only such payments OR sums of money from TPNODL as may be found payable to it in regard to works executed by it under the terms of the contract and no other claim of any nature whatsoever shall be made by the Associate.
- c. All such provisions which the parties have agreed to survive and prevail even after termination of the contract shall remain effective despite the termination.

In the event of such termination, TPNODL may finish the Work by whatever method it may deem expedient, including the hiring of services and /or purchase of material equipment from such third parties as TPNODL may deem fit or may itself provide any labor or materials and perform any part of the Work. The associate undertakes to bear the incremental costs if any paid by TPNODL in such a case attributable to failure on the part of the associate. The Associate in such a case shall not be entitled to receive any further payments and any sums found payable to it may be adjusted by TPNODL against the amount recoverable from him on this ground. The same shall be without prejudice to other rights available to TPNODL under law against the associate.

Upon the termination of any of the contract due to occurrence of any circumstances provided in clauses stated above and constituting repeated breach or misconduct, TPNODL shall be entitled to bar the associates its agents, affiliates from undertaking any negotiation / tendering, bidding, participation activities concerning TPNODL for a period of two years from date of such termination. The same shall be without prejudice to other rights available to TPNODL.

22.2 Termination for convenience of Associate

Associate at its convenience may request for termination of contract, clearly assigning the reason for such request. TPNODL has full right to accept, reject or partially accept such request.

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This convenience will be available to associate only after one year from the contract effective date. For this purpose, associate will provide a notice period of 90 days to TPNODL, Associate will have to pay TPNODL a 'termination convenience fee' equivalent to 5% of unexecuted contract value.

22.3 Termination for Convenience of TPNODL

TPNODL at its sole discretion may terminate the contract by giving 30 days prior notice in writing or through email to the Associate. TPNODL shall pay the Associate for all the supplies/ services rendered till the actual date of contract termination against submission of invoice by the Associate to that effect.

23.0 DISPUTE RESOLUTION & ARBITRATION

In case of any dispute or difference the parties shall endeavour to resolve the same through conciliatory and amicable measures within 15 Days failing which the matter may be referred by either party for resolution by the sole arbitrator to be appointed mutually by both the parties. The arbitral proceedings shall be conducted in accordance with Arbitration and Conciliation Act 1996 and the place of arbitration shall be Bhubaneswar. The language to be used at proceedings shall be English and the award of the arbitrator shall be final and binding on the parties. The parties shall bear their respective costs of arbitration. The associate shall continue to discharge its obligations towards due performance of the works as per the terms of the contract during the arbitration proceedings unless otherwise directed in writing by TPNODL or suspended by the arbitrator. Further, TPNODL shall continue making such payments as may be found due and payable to the associate for such works.

24.0 Governing laws and jurisdiction

The parties shall be subject to the jurisdiction of the courts of law in Bhubaneswar and any matter arising here from shall be subject to applicable law in force in India.

25.0 ATTRIBUTES OF GCC

25.1 Cancellation

The Company reserves the right to cancel, add, delete at its sole discretion, all or any terms of this GCC or any contract, order or terms agreed between the parties in pursuance without assigning any reasons and without any compensation to the Associates.

25.2 Severability

If any portion of this GCC is held to be void, invalid, or otherwise unenforceable, in whole or part, the remaining portions of this GCC shall remain in effect.

25.3 Order of Priority

In case of any discrepancies between the stipulations in General Conditions of the Contract (GCC) and Special Conditions of Contract (SCC), the GCC shall stand superseded by the SCC to the extent stipulated hereinabove while balance portion of respective clauses of GCC shall continue to be applicable.

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26.0 INSURANCE

The Associate shall arrange accident insurance policy for his foreign experts/specialists/personnel deputed to Site and Associate's/his sub-Associates' manufacturing works as well as for his Indian engineers and supervisory staff. The Associate shall also take out for his Indian workmen, where applicable, a separate policy as required under Workmen's Compensation Act.

Associates shall be responsible to suitably insure their entire work-force (to the extent of at least meeting requirements under Workmen Compensation Act) Tools, Plant, Third party liability at the project site, All Risk comprehensive insurance for the entire works (insurance for free issue items will be in TPNODL scope) for total contract value or any other such risks during execution of works, till the works are handed over to the company, in consultation with TPNODL and shall submit copies of such insurances to the Engineer-in-Charge for review / acceptance before commencing the work. Engineer-in-charge must ensure compliance to insurance requirement by Associate before commencement of works. TPNODL shall stand fully indemnified in this respect.

27.0 ERRORS AND OMISSIONS

The Associate shall be responsible for all discrepancies, errors and omissions in the drawings, documents or other information submitted by him, irrespective of whether these have been approved, reviewed or otherwise accepted by the TPNODL or not. However any error in design/drawing arising out of any incorrect data/written information from TPNODL will not be considered as error and omissions on part of the Associate.

28.0 TRANSFER OF TITLES

The title of ownership and property to all equipment, installations, erections, constructions materials, drawings & documents shall pass to the TPNODL is after commissioning and complete handing over-taking over.

However, such passing of title of ownership and property to the TPNODL shall not in any way absolve, dilute or diminish the responsibility and obligations of the Associate under this Contract including loss or damages and all risks, which shall vest with the Associate.

The Associate shall take all corrective measures arising out of discrepancies, errors and omissions in drawings and other information within the time schedule and without extra cost to the TPNODL.

The Associate shall also be responsible for any delay and/or extra cost if any, in carrying out engineering, and site works by other agencies arising out of discrepancies, errors and omissions stated in as well as of any late revision/s of drawings and information submitted by the Associate.

29.0 SUGGESTIONS & FEEDBACK

We welcome all our Business Associates to write to us about their experience with TPNODL; be it our Company, our services or our people. Each and every concern, issue, query and

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suggestion from you will help us to become a better company to work with and shall help us develop a strong bonding of trust and a long term relationship with you.

You may send your feedback to HoD- Contracts by filling up our Business Associate Feedback Form enclosed herewith as *Annexure-I*.

30.0 CONTACT POINTS

In case Business Associate needs information with respect to payments or has any grievances, same may be submitted by log on to our website www.tpnodl.com

31.0 LIST OF ANNEXURES

S. No.	Subject	Annexure
1.	Performa for Bid Security Bank Guarantee	A
3.	Performa for Performance Bank Guarantee (CP cum EP)	B
4.	Performa for No Demand Certificate by Associate	C
5.	Performa for Indemnification on Statutory Compliance	D
6.	Performa For Application For Issuance of Consolidated TDS Certificate	E
7.	HR Service Level Agreement	F
8.	Under taking for competence of workmen	G
9.	Business Associate Feedback Form	H
10.	Acceptance Form For Participation In Reverse Auction Event	I
11.	Form for RTGS Payment	J
12.	Vendor Appraisal Form	L
13.	Tata Code of Conduct	O

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ANNEXURE-A

PROFORMA FOR BID SECURITY BANK GUARANTEE

TPNODL Limited

Balasure

HEREAS, (Name of the Bidder) (hereinafter called "the BIDDER") has submitted his bid dated for the (Tender No. & Name of Contract) (hereinafter called "the BID").

KNOW ALL men by these presents we (Name of the Bank) of (Name of the Country) having our registered office at (hereinafter called "the BANK") are bound unto TPNODL Limited (TPNODL) in the sum of for which payment well and truly to be made to the TPNODL the Bank binds himself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of 20

The CONDITIONS of this obligation are:

- i) If the Bidder withdraws his Bid during the period of bid validity specified in the Proforma of Bid

or

- ii) If the Bidder having been notified of the acceptance of his Bid by the TPNODL during the period of bid validity fails or refuses to furnish the Contract Performance Bank Guarantee, in accordance with the Instructions to Bidders.

We undertake to pay the TPNODL upto the above amount upon receipt of its first written demand, provided that in its demand the TPNODL will note that amount claimed by it is due to it owing to the occurrence of one or both conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force upto and including the date (No of days as mentioned in tender enquiry) days after the closing date of submission of bids as stated in the Invitation to Bid or as extended by you at any time prior to this date, notice of which extension to the Bank being hereby waived, and any demand in respect thereof should reach the Bank not later than the above date.

DATE.....

SIGNATURE OF THE BANK.....

WITNESS.....

SEAL.....

(Signature, Name & Address)

(At least 2 witnesses)

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ANNEXURE- B

PROFORMA FOR PERFORMANCE BANK GUARANTEE (CP cum EP)

(On Rs.100/- Stamp Paper)

Note:

- (a) Format shall be followed in toto
- (b) Claim period of six months must be kept up
- (c) The guarantee to be accompanied by the covering letter from the bank confirming the signature to the guarantee

TPNODL Limited

Balasure

CP cum EP BG No.....

Order/Contract No.....dated.....

1. You have entered into a Contract No _____ with M/s. _____ (hereinafter referred to as "the Vendor") for the supply cum erection / civil work of _____ (hereinafter referred to as "the said Equipment") for the price and on the terms and conditions contained in the said contract.
2. In accordance with the terms of the said contract, "the Vendor" agreed to furnish you with an irrevocable, unconditional and acceptable bank guarantee for 10% of the value of contract and to be valid till the end of Guarantee period plus one month towards "Contract cum Equipment performance". For this purpose you have agreed to accept the guarantee.
3. In consideration thereof, we, _____ hereby irrevocably and unconditionally guarantee to pay to you on demand but in any case before the end of five working days from the date of the claim and without demur and without reference to "the Vendor" such amount or amounts not exceeding the sum of Rs. _____ (Rupees _____ only) being _____% (_____ percent) of the total value of the contract on receipt of your intimating that "the Vendor" has not fulfilled his contractual obligations. You shall be the sole judge for such non-fulfilment and "the Vendor" shall have no right to question such judgment.
4. You shall have the right to file / make your claim on us under the guarantee for a **further period of one month** from the date of expiry.
5. This guarantee shall not be revoked without express consent and shall not be affected by your granting time or any other indulgence to "the Vendor", which shall include but not be limited to, postponement from time to time of the exercise the same in you or any right which you may have against "the Vendor" and to exercise the same in any covenant contained or implied in the said contract or any other course or remedy or security available to you, and our Bank shall not be released from its obligations under this guarantee by your exercising

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any of your rights with reference to matters aforesaid or any of them or by reasons of any other act or forbearance or other acts of omission or commission on your part or any other indulgence shown by you or by any other matter or thing whatsoever which under the law would, but for this provision have the effect of relieving our bank from its obligation under this guarantee.

6. We also agree that you shall be entitled at your option to enforce this guarantee against our bank as a principal debtor, in the first instance, notwithstanding any other security or guarantee that you may have in relation to "the Vendor's" liabilities in respect of the premises
7. This guarantee shall not be affected by any change in the constitution of our Bank or "the Vendor" or for any other reason whatsoever.
8. Any claim / extension under the guarantee can be lodge-able at outstation banks or at Balasore branch and claim will also be payable at Balasore Branch (to be confirmed by Balasore Branch by a letter to that effect in case BG is from the branch outside Balasore)
9. Notwithstanding anything herein contained, our liability under this guarantee is limited to Rs. _____ (Rupees _____) only and the guarantee will remain in force upto and including _____ (Date) and shall be extended from time to time for such period or period as may be desired by "the Vendor".
10. Unless a demand or claim under this guarantee is received by us in writing within six months from _____ (expiry date) i.e. on or before _____ (claim period end date), we shall be discharged from all liabilities under this guarantee thereafter.

Dated at _____ this _____ day of _____ 200__

Witness

- | | |
|----------|--|
| 1. _____ | Bank's rubber stamp
Banks full address |
| 2. _____ | Designation of Signatory
Bank official number |

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ANNEXURE-C

PROFORMA FOR “NO DEMAND CERTIFICATE” BY ASSOCIATE

(On Company’s Letter head or with Company Seal)

(To be submitted by the Associate to TPNODL Accounts Department at the time of receipt of full and final payment)

(Certificate No. CCP/002)

Name of the Project

Order/ Contract No.

Dated

Name of the Associate

Scheme No. / Job No.

We, M/s. _____ (Associate) do hereby acknowledge and confirm that we have received the full and final payment due and payable to us from TPNODL, in respect of our aforesaid Order No _____ dated _____ including amendments, if any, issued by TPNODL to our entire satisfaction and we further confirm that we have no claim whatsoever pending with TPNODL under the said contract / W.O.

Notwithstanding any protest recorded by us in any correspondence, documents, measurement books and / or final bills etc., we waive all our rights to lodge any claim or protest in future under this contract.

We are issuing this “NO DEMAND CERTIFICATE” in favour of TPNODL, with full knowledge and with our free consent without any undue influence, misrepresentation, coercion etc.

Dated

Signature

Place

Name

Designation

(Company Seal)

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ANNEXURE – D

PROFORMA FOR “INDEMNIFICATION ON STATUTORY COMPLIANCES”

(To be submitted by the successful Bidder within seven days of award of work)

(Certificate No. CCP/001)

Name of the Project

Letter of Award / Contract No.

Dated

Name of the Associate

Scheme No. / Job No.

By this confirmation we, _____
(Associate) are formally bound to M/s. TPNODL towards any sum which may be imposed, levied or hereinafter recovered by the Provident Fund Organization under the provisions of the Employees of the Provident Fund and Miscellaneous Provisions Act 1952 in respect of employees employed by us.

We well and truly bind ourselves and our heirs executors administrators and representatives jointly severally and respectively for the above payment only to be paid to M/s. TPNODL.

AND WHEREAS we, _____ (Associate) is making compliance of the Employees Provident Fund and Miscellaneous Provisions Act 1952, have entered into the above written bond for the indemnity to M/s. TPNODL against all losses from the acts or default of the said Associate in respect of compliance of the Provident Fund Act.

Similarly we hereby confirm that we have complied with all statutory and local laws and nothing is outstanding with regard to Local Sales Tax, Labour Laws, Local Municipal dues, Electricity dues etc. We have entered into the above written bond for the indemnity to M/s. TPNODL against all losses from the acts or default of the said Associate in respect of compliance of the Local Sales Tax Laws, Local Laws, Labour Laws, Local Municipal Dues, Electricity dues etc.

NOW THE CONDITION, of the above written bond is as such that if the Associate during the period of this contract commits any default or fails to make payment of Contributions in respect of his employees to the Employees Provident Fund Organization, he shall indemnify the Principal Employer M/s. TPNODL from all and every loss and damage caused to them from any act, omissions or negligence of the said Associate in respect of compliances under the Employees Provident Fund and Miscellaneous Provisions Act, 1952.

IN WITNESS to the above written bond we have here to set our hands, with our free consent.

Dated

Signature

Place

Name Designation

(Company Seal)

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ANNEXURE-E

PROFORMA FOR APPLICATION FOR ISSUANCE OF CONSOLIDATED TDS CERTIFICATE

To be printed on the letterhead

To,

TPNODL Limited,

Balasore

Sub: Application for issuance of Consolidated TDS Certificate for the FY _____

Dear Sir,

I / we hereby request / authorize you to issue me / us a consolidate TDS Certificate for the financial year _____ against tax deducted at source by you from my / our payments / bills during the said year from time to time under Chapter XVII – B of the Income Tax Act, 1961.

For and on behalf of

Signature

Name

Address

Contact No. (Land Line)

(Mobile)

PAN #

Assessing authority

ATTACH THE COPY OF PAN CARD

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ANNEXURE - F

SERVICE LEVEL AGREEMENT

(To be adhered to by Business Associates (BAs) in TPNODL on Human Resource Issues)

1.0 The following shall be adhered to by the Business Associates during his / its association with TPNODL:

Shall Abide by TPNODL Core Values:

- a) **Integrity** – We must conduct our business fairly, with honesty and transparency. Everything we do must stand the test of public scrutiny.
- b) **Understanding** – We must be caring, show respect, compassion and humanity to our colleagues and customers and always work for the benefit of the communities we serve.
- c) **Excellence** – We must constantly strive to achieve the highest possible standards in our day to day work and in the quality of services we provide.
- d) **Unity** – We must work cohesively with our colleagues across the group and with our customers and partners to build strong relationships based on tolerance, understanding and mutual co-operation.
- e) **Responsibility** – We must continue to be responsible and sensitive to the communities and environments in which we work and always ensuring that what comes from the people; goes back to the people many times over.
- f) **Agility-** We must work in a speedy and responsive manner and be proactive and innovative in our approach.

2.0 The Business Associate / his manager / supervisor who is responsible for managing the project site / performance contract etc. in TPNODL would also ensure adherence of these values by his employees / persons deployed by him in connection with his works undertaken in TPNODL.

3.0 TPNODL is a signatory to the United Nation Global Compact as an integral part of its Governance principles / business. The Business Associates are required to:

- a) Support and respect the protection of human rights and make sure that they are not complicit in human right abuses.
- b) Respect freedom of association and effective recognition of the right to collective bargaining.
- c) Not to resort to any form of forced and compulsory labour.
- d) Shall ensure abolition of child labour in his area of work.
- e) There is no discrimination in respect of employment and occupation in respect of his employees.
- f) Support precautionary approach to environmental challenges.
- g) Promote greater environmental responsibility by himself and his employees in his areas of work.
- h) Deploy and defuse environmental friendly technologies while carrying out the works.
- i) Work against corruptions in all its form including extortion and bribery by himself and his employees.

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4.0 The Business Associates are required to adhere to all applicable Labour Laws with special reference to the following:

- a) No person below the age of 18 years and no child labour will be engaged directly or indirectly for executing the work connected with the business of TPNODL.
- b) Minimum wages along with other statutory dues like PF, ESI, etc. as applicable to the workers shall be made within the prescribed period of 7th / 10th day of the following month.
- c) Deduction / deposit / record keeping and all other requirements under Employees PF Act 1952, Employees State Insurance Act 1948 and other applicable acts (if any) shall be adhered to.
- d) Only statutorily authorized deductions (if any) shall be made in accordance with the relevant statutes.
- e) All the provisions of Contract Labour (R&A) Act 1970 shall be complied with in respect of the workers engaged for TPNODL work. The work will be commenced only after completing necessary formalities for obtaining Labour License (if applicable).
- f) Necessary registers / records, filing of returns etc. shall be maintained for verification by Statutory / TPNODL authorities.
- g) Payment of wages shall be made only in presence of and with certification of authorized representative of TPNODL or shall be made in the form of cheque / bank transfer to the employee.
- h) During the period of contract, the Business Associate will arrange for deployment of his supervisor / manager for total supervision and control of the work and their manpower. All the activities related to their manpower e.g. attendance, leave, wage disbursement etc. will be done under the supervision & control of Business Associates, While adhering to the prescribed standard / norms of production / productivity & quality. During execution of the work, Business Associate shall engage only such qualified / skilled manpower as may be envisaged / required for ensuring level of production / service into the contract / work order.
- i) Clearances as follows shall be obtained from IR & Welfare Group:
 - a. Clearance for commencement (before start of the work).
 - b. No Objection Certificate (after completion / before final settlement).
 - c. Copies of PF / ESI Challans shall be deposited with IR & Welfare Group every month
- j) The Business Associate shall indemnify TPNODL from any liabilities under applicable Labour Statutes.
- k) The Business Associate shall ensure safety and health of his employees and shall also maintain hygienic working environment / condition in his area of work.

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- l) The Business Associate and his employee shall abide by Laws of Land and shall not violate any applicable provisions.
- m) The Business Associate appreciates with and acquiesces to the right of TPNODL as principal employer to fulfil any of his legal obligations, if he fails to do so under applicable labour laws and deduct the same from his running bills / final payments / encharging security deposit / Bank Guarantee as the case may be. If there is any further shortfall TPNODL has the right to recover the same from the Business Associate.
- n) The Business Associate ensures that person employed by him adhere to the moral and legal conduct and shall not violate any standard conduct envisaged in the premise of TPNODL by all such as, Transparency, Safety, Discipline, Integrity etc. The Business Associate or his employees should refrain from corrupt practices, giving or taking bribe in connection with any TPNODL business.

5.0 The 'Statutory Compliance Enforcement System' in TPNODL is detailed below for adherence by all concerned. Corporate IR & Welfare Group will be the process owner for implementation of the system with the help of concerned Engineer I/c or Officer I/c.

- a) Statutory Compliance being a professed value in TPNODL Code of Conduct, the concerned Engineer / Officer in charges are requested to adhere to the provisions and advise respective Business Associates in their domain to comply in letter and spirit.
- b) Immediately after issuance of letter of intent, the authorized representative of the Business Associate will report to Corporate IR & Welfare group for completion of statutory requirements.
- c) Normally, the work will be started only after 'Clearance for Commencement of Work (CCW)' is issued by IR & W group to the Business associate. However in exceptional exigencies in engineer I/c / Officer I/c may direct the Business Associate to start the work and inform IR & W group about the same. Statutory requirements in this case may be completed parallelly.
- d) First monthly bill will be released only after producing CCW to the finance department. Similarly closure of work and final settlement will be affected after issuance of no objection certificate from IR & W group.

6.0 Requirements for 'Clearance for Commencement of Work' (CCW):

- a) Submission of filled up Form 'A' for database (Annexure-1).
- b) Copy of PF Code allocation letter.
- c) Copy of ESI Code allocation letter.
- d) Submission of duly filled up Form IV CL(R&A) act (In case more than or equals to 20 workers during the period of contract).
- e) Submission of duly filled up Form VI A (Notice of Commencement).
- f) Copy of insurance cover note under WC Act 1923 (if applicable).
- g) Copy of Contract Agreement.
- h) Copy of indemnity bond (if applicable).

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- i) Affidavit with regard to payment of wages through cheque / bank transfer only.

7.0 Requirements during execution of work:

- a) Copy of receipt of application for license / license (if applicable).
- b) Copy of PF Challan (latest by 26th day of every Month).
- c) Copy of ESI Challan (latest by 26th day of every Month).
- d) Copy of Wage disbursement sheet / Bank statement.
- e) Filing / Maintenance of all statutory registers / reports / returns for inspection by Statutory/ TPNODL authorities.
- f) Certification of wage disbursement by authorized representative of TPNODL.
- g) Copy of 'Labour Welfare Fund' deposit certificate / Challan.
- h) Insuring safe working practices at the work place.

8.0 Requirements for 'No Objection Certificate' (NOC) for closure of work:

- a) Submission of duly filled up Form VI A (Notice of Completion).
- b) Copy of Half yearly / Annual return for ESI / PF / CL(R&A).
- c) Consolidated copy of wage sheet of last month indicating full & final settlement of all dues like retrenchment benefit, bonus, leave encashment etc. Copy of individual declaration by employees in Form X regarding termination of employment.
- d) Confirmation certificate regarding filling up of form for transfer / withdrawal of PF by the concerned workers.

In case any of the above are deviated / not complied with the Letter of Award/Order shall be liable to be withdrawn / cancelled.

Enclosure:

- 1) Form A
- 2) Form X
- 3) Form XI
- 4) Form VI A
- 5) Form XXIV

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FORM (A)

[To be submitted by the Business Associate to the Principal Employer within a week from LoA issuance]

A. Details of the Agency

1. Name of Agency :
2. Nature of work :
3. Local Address with Ph. No. :
(With Father's name) :
4. Permanent Address (Full) :
5. PF code no. & Place :
6. ESI Code no. & Place :
7. Name and address of :
Sub-contractor (if any)

B. Details of Work

8. Name of work (as specified in LOI/LOA) :
9. LOI/LOA Nos. & Dates :
10. Period of contract (Specify Dates) :
[Including Extension period, if any] :
11. Work Area [Department / Location] :
12. Name / Cell no. of Officer I/c :
13. Maximum No. of workers and staff to be engaged on any day during the year.
- Supervisory Staff :
- Workers :
14. Do you have any other contract in TPNODL : Yes/No

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If yes, furnish details:

15. Details of Workmen's compensation Policy, if applicable

Name _____ of _____ Insurance _____ Company _____

.....

.....Policy No Number of persons covered Period of coverage: From To

If no, I hereby undertake the liability arising out of Workmen's Compensation Act and Rules made there under.

C. Details of workers to be engaged

No. of Workers

S. No.	Unskilled*	Semi-skilled*	Skilled*	Clerical / Supervisory

*** Number to be indicated**

I/We shall fulfil all obligations arising from and under all relevant law in force from time to time. I/We undertake to keep the TPNODL indemnified against any loss or liability arising out of failure of my / our abiding the relevant laws.

The name of my / our representatives is to enter the TPNODL Premises on my behalf.

Date:

**(Signature of the Business Associate
or his Authorized Representative)**

This Business Associate is / will be engaged in TPNODL.

**(Signature and seal of
Officer I/c of the Work)**

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Form X

Undertaking

I _____ hereby undertake that all the dues in respect of my employment with M/s _____ for the period of _____ to _____ have been settled and final payments including retrenchment benefit have been made to me in full.

(_____)

Date:

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Form XI

Undertaking

With reference to the contract job awarded by M/s TPNODL Limited to vide M/s _____ work order No. _____ dated _____

I _____ on behalf of

M/s _____ hereby undertake:

1. that the dues in respect of the workmen/ employee(s) engaged by us for the said contract, payable as per the provisions of relevant statute pertaining to
 - i. wages/ salary
 - ii. PF & ESI, Bhubaneswar Labour Fund
 - iii. All other statutory obligation
 has been paid /settled in full and no amount/ compliance is due/ pending.

2. That in case any dispute / claim is raised by the concerned workers i.r.o. any dues / payments, M/s _____ will settle the same on its own and such liability will be borne by M/s _____

3. That M/s _____ hereby indemnify M/s TPNODL from any future liability i.r.o. any statutory obligation in respect of said contract.

Date:

(_____)
Authorized Signatory

For M/s _____

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FORM- VI A

Notice for Commencement /Completion of contract work

I/We, Sh. / M/s _____ (Name and Address of the Contractor) hereby intimate that the contract work _____ (name of work) in establishment of the _____ (name and address of the Principal Employer) for _____ which License No. _____ dated _____ has been issued to me/us by the Licensing Officer _____ (name of the Headquarters), has been commenced / completed with effect from _____ date / on date.

Signature of Contractor

With Office Seal

The Inspector

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FORM XXIV

[See Rule 82(1)]

Return to be sent by the Contractor to the licensing Officer (in duplicate)

Half -Yearly Ending _____

1. Name and address of the Contractor
2. Name and address of the Establishment
3. Name and address of the Principal Employer
4. Duration of Contract: From _____ to _____
5. No. of days during the half year on which
 - (a) the establishment of the principal employer had worked
 - (b) the contractor's establishment had worked
6. Maximum No. of contract labour employed on any day during the half –year:

Men	Women	Children	Total

7.
 - (i) Daily hours of work and spread over
 - (ii)
 - (a) whether weekly holiday observed and on what day
 - (b) if so, whether it was paid for
 - (iii) No. of man – hours of overtime worked

8. No. of man days worked by

Men	Women	Children	Total

9. Amount of wages paid

Men	Women	Children	Total

10. Amount of deductions from wages, if any

Men	Women	Children	Total

Whether the following have been provided –

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- (i) Canteen : _____
- (ii) Rest rooms : _____
- (iii) Drinking water : _____
- (iv) Crèches : _____
- (v) First Aid : _____

Signature of contractor

Place _____

Date _____

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ANNEXURE – G

UNDERTAKING FOR COMPETENCE OF WORKMEN

Name of Associate :

Tender No. :

Item :

With reference to the tender mentioned above, I/We _____, hereby undertake that the workmen/ employee(s) engaged by M/s _____ for the job against said tender shall be competent in all respect, commensurate to the nature of job.

Date:

()

Authorized Signatory

For M/s

Seal

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ANNEXURE-H

BUSINESS ASSOCIATE FEEDBACK FORM

With an objective to improve our internal processes and systems, and serve you better, we solicit your valuable feedback & suggestions. It is estimated that it will take about 10 minutes to complete this survey. We assure you that your feedback shall be kept confidential. Please send the duly filled feedback form in the "TPNODL addressed - attached envelop"

You are associated with us as

- OEMs Service Contractor Material Suppliers Material & Manpower Supplier

You are associated with us for

- Less than 1 year More than 1 year but less than 3 years More than 3 years

Your office is located at

- Balasore Within 200 kms from Balasore More than 200 kms from Balasore

Your nearly turnover with TPNODL

- Less than 25 Lacs 25 Lacs to 1 Crore More than 1 Cr.

Additional information

Your Name	
Your Designation	
Your Organization	
Contact Nos.	
Email	

We once again thank you for your participation in this survey. Please spare 10 minutes to give your feedback on following pages (Section A to E)

SECTION - A

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(Please ✓ mark in the relevant box and give your remarks / suggestions / information for our improvement.).

S. No.	Parameters	1	2	3	4	5	Remarks/ Suggestion
		Do Not Agree	Slightly in Agreement	In Fair Agreement	Mostly in Agreement	Fully Agree	
1	You receive all relevant queries / tenders from us in timely manner.						
2	We provide you enough lead time to respond to our queries / tenders.						
3	We provide you adequate support (drawings, documents, clarifications, briefing etc.) to enable you meet our requirements.						
4	All following elements of our contract / purchase order are rational :						
4.1	Scope of Work						
4.2	Delivery / Execution Schedule						
4.3	Payment Terms						
4.4	Liquidated Damages						
4.5	Performance Guarantee						
5	Our purchase orders / contracts are simple, specific & easy to understand						
6	TPNODL demonstrate willingness to be flexible in administration of Contract / Purchase Order						
7	We provide timely responses / clarifications to your queries						
8	TPNODL representative you interact / coordinate with is adequately empowered to support you in meeting contractual obligations						
9	TPNODL provide you all necessary infrastructure support for timely and quality completion of work (including AMC)						
10	TPNODL Engineer-in-Charge timely certifies the jobs executed/						

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S. No.	Parameters	1	2	3	4	5	Remarks/ Suggestion
		Do Not Agree	Slightly in Agreement	In Fair Agreement	Mostly in Agreement	Fully Agree	
	material supplied						
11	TPNODL Engineer-in-Charge efficiently supervises the job execution for timely completion of job						
12	BIRD (Bill Inward Receipt Desk) initiative has improved payment disbursement process						
13	Our approach for Inspection and Quality Assurance effective to expedite project completion?						
14	TPNODL never defaults on contractual terms						
15	In TPNODL Contracts closure is done within set time limit						
16	Our material receiving procedures are well defined and efficiently deployed to reduce mutual inconvenience						
17	Bank Guarantees are released in time bound manner						
18	Our processes related to payment / account settlement are effective.						
19	You get payments on time						
20	TPNODL Employees follow Ethical behavior						

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SECTION - B

SECTION – B (Please rate the following parameters on a scale of 1 to 5, where 1 - Minimum; 5 - Maximum)

SN	Parameters	1	2	3	4	5	Remarks/ Suggestion
1	How do you rate courtesy/ empathy/ attitude level and warmth of TPNODL employees you interact with from following team?						
1.1	Project Engineering						
1.2	District / Zones						
1.3	Projects/HOG (TS &P)						
1.4	Inspection & Quality Assurance						
1.5	Stores						
1.6	Metering & Billing						
1.7	Accounts / Finance						
1.8	Administration						
1.9	IT & Automation						
2	How would you rate TPNODL in comparison to your other clients in terms of fairness of treatment and transparency with its Business Associates?						
3	How would you rate TPNODL in comparison to your other clients in terms of processes and systems to manage partnership with its Business Associates						
4	How would you rate TPNODL in comparison to your other clients in terms of building long term & mutually relationship with its Business Associates						

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SECTION - C

Please ✓ mark in the relevant box and give your remarks / suggestions / information for our improvement.

S. No.	Parameters	Certainly NO	Probably NO	Probably YES	Certainly YES	Remarks/ Suggestion
1	Based on your experience with TPNODL, would you like to continue your relationship with TPNODL?					
2	If someone asks you about TPNODL, would you talk "positively" about TPNODL?					
3	Would you refer TPNODL name to others in your community, fraternity and society as a professional & dynamic organization?					

SECTION - D

If we ask you to rate us on a scale of 1 to 10, how will you rate TPNODL, that truly represents your overall satisfaction with us (please tick appropriate box) –

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

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SECTION – E

Please ✓ mark in the relevant box and give your remarks / suggestions / information for our improvement.

Please spare your thoughts for TPNODL's improvement in particular areas of weaknesses, particularly relating to some great practices, attitudes that you have seen elsewhere in Indian and International Organizations, which you recommend TPNODL to adopt. Please give your valuable salient recommendations.

Please spare your thoughts for TPNODL's improvement in particular areas of major concerns for you. We also welcome your suggestions to adopt any best practices, attitudes that you have observed / experienced elsewhere in Indian/ International organization.

Recommendation	<i>Please tick (✓) your top 5 expectations out of the following 10 points listed below -</i>	
(Please list down improvement you expect from TPNODL)	<i>Timely payment</i>	
1	<i>Flexibility in Contracts/PO</i>	
	<i>Clarity in PO,s & Contracts</i>	
2	<i>Timely response to quarries</i>	
	<i>Timely certification of works executed</i>	
3	<i>Clarity in Specs, drawings, other docs etc.</i>	
	<i>Adequate information provided on website for tender notification, parties qualified etc.</i>	
4	<i>Timely receipt of material at site for execution</i>	
	<i>Performance Guarantee/EMD released in time</i>	
5	<i>Inspection & quality assurance support for timely job completion</i>	

We thank you for your time and courtesy!!

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ANNEXURE - I

ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT

(To be signed and stamped by the bidder prior to participation in the auction event)

In a bid to make our entire procurement process more fair and transparent, TPNODL intends to use the reverse auctions through SAP-SRM tool as an integral part of the entire tendering process. All the bidders who are found as technically qualified based on the tender requirements shall be eligible to participate in the reverse auction event.

The following terms and conditions are deemed as accepted by the bidder on participation in the bid event:

1. TPNODL shall provide the user id and password to the authorized representative of the bidder. *(Authorization Letter in lieu of the same shall be submitted along with the signed and stamped Acceptance Form).*
2. TPNODL will make every effort to make the bid process transparent. However, the award decision by TPNODL would be final and binding on the supplier.
3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of TPNODL, bid process, bid technology, bid documentation and bid details.
4. The bidder is advised to understand the auto bid process to safeguard themselves against any possibility of non-participation in the auction event.
5. In case of bidding through Internet medium, bidders are further advised to ensure availability of the entire infrastructure as required at their end to participate in the auction event. Inability to bid due to telephone line glitch, internet response issues, software or hardware hangs, power failure or any other reason shall not be the responsibility of TPNODL.
6. In case of intranet medium, TPNODL shall provide the infrastructure to bidders. Further, TPNODL has sole discretion to extend or restart the auction event in case of any glitches in infrastructure observed which has restricted the bidders to submit the bids to ensure fair & transparent competitive bidding. In case an auction event is restarted, the best bid as already available in the system shall become the start price for the new auction.
7. In case the bidder fails to participate in the auction event due any reason whatsoever, it shall be presumed that the bidder has no further discounts to offer and the initial bid as submitted by the bidder as a part of the tender shall be considered as the bidder's final no regret offer. Any offline price bids received from a bidder in lieu of non-participation in the auction event shall be outrightly rejected by TPNODL.
8. The bidder shall be prepared with competitive price quotes on the day of the bidding event.
9. The prices as quoted by the bidder during the auction event shall be inclusive of all the applicable taxes, duties and levies and shall be FOR at TPNODL site.
10. The prices submitted by a bidder during the auction event shall be binding on the bidder.
11. No requests for time extension of the auction event shall be considered by TPNODL.
12. The original price bids of the bidders shall be reduced on pro-rata basis against each line item based on the final all inclusive prices offered during conclusion of the auction event for arriving at Contract amount.

Signature & Seal of the Bidder

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:
 Email Address of accounts person (to
 send payment information)

Name of the Authorized Signatory :

Contact Person's Name :

Official Correspondence Address :

We confirm that we will bear the charges, if any, levied by our bank for the credit of NEFT/RTGS amounts in our account. Any change in above furnished information shall be informed to TPNODL well in time at our own. Further, we kept TPNODL indemnified for any loss incurred due to wrong furnishing of above information.

Thanking you,

For _____

(Authorised Signatory)

(Signature with Rubber Stamp)

Certification from Bank:

We confirm that we are enabled for receiving NEFT/RTGS credits and we further confirm that the account number (specify Bank a/c no.) of (Please mention here name of the account holder), the signature of the authorised signatory and the MICR and IFSC Code of our branch mentioned above are correct.

This also is certified that the above information is correct as per Bank record

(Manager's/ Officers Signature under Bank Stamp)

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ANNEXURE-L
VENDOR APPRAISAL FORM

TO BE SUBMITTED BY VENDOR (To be filled as applicable)

Part A

1.0	DETAILS OF THE FIRM		
1.1	NAME (IN CAPITAL LETTERS)		
1.2	TYPE OF CONCERN (PROPRIETARY) PARTNERSHIP PVT.LTD., PUBLIC LTD. ETC.		
1.3	YEAR OF ESTABLISHMENT		
1.4	LOCATION OF OFFICE POSTAL ADDRESS		
1.5	CONTACT DETAIL OF BA's REPRESENTATIVE NAME E-MAIL ID CELL NO.		
1.6	LOCATION OF MANUFACTURING UNITS	:	
	i) UNITS 1	:	
	ii) OTHER UNITS	:	
2.0	PRODUCTS / SERVICES BEING OFFERED	:	
3.0	TURNOVER DURING THE LAST 3 YEARS (TO BE VERIFIED WITH THE LATEST PROFIT & LOSS STATEMENT).	:	
4.0	AVALABILITY OF STATUTORY DOCUMENTS I.E. COPY OF PAN CARD	:	
5.0	AVALABILITY OF STATUTORY DOCUMENTS I.E. COPY OF GST REGISTRATION	:	
6.0	APPLICABILITY UNDER MSME CERTIFICATION	:	

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7.0	BA BELONGS TO AA COMMUNITY (SC/ST)		÷
8.0	DOCUMENTS VERIFYING ADDRESS PROOF (SUPPORTED BY ANY GOVT. ISSUED DOCUMENT)		÷
9.0	TECHNICAL		
	9.1	NO.OF DESIGN ENGINEERS (INDICATE NO.OF YEARS EXPERIENCE IN RELATED FIELDS)	:
	9.2	NO.OF DRAUGHTSMEN	:
	9.3	COLLABORATION DETAILS (IF ANY)	:
		9.3.1 DATE OF COLLABORATION	:
		9.3.2 NAME OF COLLABORATOR	:
		9.3.3 RBI APPROVAL DETAILS	:
		9.3.4 EXPERIENCE LIST OF COLLABORATOR	:
		9.3.5 DURATION OF AGREEMENT	:
	9.4	AVAILABILITY OF STANDARDS / DESIGN PROCEDURES / COLLABORATOR'S / DOCUMENTS (CHECK WHETHER THESE ARE LATEST/CURRENT)	:
	9.5	TECHNICAL SUPPORT, BACK-UP GUARANTEE, SUPERVISION, QUALITY CONTROL BY COLLABORATOR (WHEREVER ESSENTIAL). (THIS CLAUSE IS RELEVANT WHEN VENDOR'S EXPERIENCE IS INADEQUATE)	:
	9.6	QUALITY OF DRAWINGS	:
10.0	MANUFACTURE		
	10.1	SHOP SPACE, LAYOUT LIGHTING, VENTILATION, ETC.	:
	10.2	POWER (KVA)	:

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		MAINS INSTALLED	:
		UTILISED	:
		STANDBY POWER SOURCE	:
	10. 3	MANUFACTURING FACILITIES (ATTACH LIST OF EQUIPMENTS AS APPLICABLE)	:
		10.3.1 MATERIAL HANDLING	:
		10.3.2 MACHINING	:
		10.3.3 FABRICATION	:
		10.3.4 HEAT TREATMENT	:
		10.3.5 BALANCING FACILITY	:
		10.3.6 SURFACE TREATMENT PRIOR TO PAINTING/ COATING, POLISHING, PICKLING, PASSIVATION, PAINTING, ETC.	:
	10. 4	SUPERVISORY STAFF	:
	10. 5	ADEQUACY OF SKILLED LABOURS (MACHINISTS, WELDERS, ETC.)	:
	10. 6	NO. OF SHIFTS	:
	10. 7	TYPE OF MATERIAL HANDLED (SUCH AS CS, SS, ETC.)	:
	10. 8	WORKMANSHIP	:
	10. 9	MATERIAL IN STOCK AND VALUE	:
	10. 10	TRANSPORT FACILITIES	:
	10. 11	CARE IN HANDLING	:
11. 0	INSPECTION / QC / QA / TESTING		

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11. 1	NUMBER OF PERSONNEL (INDICATE NO.OF YEARS OF EXPERIENCE)	:
11. 2	INDEPENDENCE FROM PRODUCTION	:
11. 3	AVAILABILITY OF PROCEDURAL WRITE UP/QUALITY PLAN	:
11. 4	INCOMING MATERIAL CONTROL AND DOCUMENTATION	:
11. 5	RELIABILITY/REPUTATION OF SUPPLY SOURCES	:
11. 6	STAGE INSPECTION AND DOCUMENTATION	:
11. 7	SUB-ASSEMBLY & DOCUMENTATION	:
11. 8	FINAL INSPECTION AND DOCUMENTATION	:
11. 9	PREPARATION OF FINAL DOCUMENTATION PACKAGE	:
11. 10	TYPE TEST FACILITIES	:
11. 11	ACCEPTANCE TEST FACILITIES	:
11. 12	CALIBRATION OF INSTRUMENTS AND GAUGES (WITH TRACEABILITY TO NATIONAL STANDARDS) (ATTACH LIST)	:
11. 13	STATUTORY APPROVALS LIKE BIS, IBR, ETC.(AS APPLICABLE)	:
11. 14	SUB-VENDOR APPROVAL SYSTEM AND QUALITY CONTROL	:
11. 15	DETAILS OF TESTS CARRIED OUT AT INDEPENDENT RECOGNISED LABORATORIES	:

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	i)	FURNISH LIST OF TESTS CARRIED OUT AND THE NAME OF THE LABORATORY WHERE THE TESTS WERE CONDUCTED	:	
	ii)	CHECK AVAILABILITY OF CERTIFICATES AND REVIEW THESE WHEREVER POSSIBLE	:	
12.0		EXPERIENCE (INCLUDING CONSTRUCTION / ERECTION / COMMISSIONING) TO BE FURNISHED IN THE FORMAT INDICATED IN APPENDIX)	:	
13.0		SALES, SERVICE AND SITE ORGANISATIONAL DETAILS	:	
14.0		CERTIFICATE FROM CUSTOMERS (ATTACH COPIES OF DOCUMENTS)	:	
15.0		POWER SITUATION	:	
16.0		LABOUR SITUATION	:	
17.0		APPLICABILITY OF SC/ST RELAXATION (Y/N) IF YES, SUPPORTING DOCUMENTS TO BE ATTACHED	:	
Part C Supporting Documents				

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18. 0	<p>DOCUMENTS TO BE ENCLOSED:</p> <ol style="list-style-type: none"> 1. Factory License 2. ISO Certificate 3. Registration of Central Excise 4. Income Tax Clearance. 5. PF Registration 6. ESI Registration 7. Insurance for Workman Compensation Act No. 8. Electrical Contract LIC No. 9. PAN No. 10. GST Registration 11. MSME Certification 12. WC Tax Registration 13. Organogram of Co. having organogram of Design, safety, quality, production and other teams. 14. Details of subscription of BIS, IEC, IEE, ASTM or other. 15. Details of the team in Design, Quality, Safety, Production. 16. List of manufacturing equipment as per Part C. 17. List of calibrated equipment as per Part C. 18. List of clients and order executed in past two years. 19. Complaint escalation matrix. 20. Performance Certificates of same product from Minimum two utilities. 21. e-Payment Form as per enclosed Annexure-J 	
----------	--	--

* **Classification of BA s under SC/ST shall be governed under following guidelines:**

- **Proprietorship/ Single Ownership Firm:** Proprietor of the firm should be from SC/ST community. Governing document shall be Proprietorship Deed.
- **Partnership Firm:** Only such firms shall qualify which have SC/ST partners holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Partnership Deed.
- **Private Limited Company:** Only such firms shall qualify which have SC/ST directors holding equal to or more than 50% of the total ownership pattern of the firm. Governing document shall be Memorandum of Understanding (MoU) and/or Article of Association (AoA).

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- The relaxation available for BAs under SC / STs shall be as per GCC for Tender Fees, EMD, PBG and Turnover criteria.

Note:

- *Certification from SC/ST Commission shall be required for deciding upon SC/ST status of a person.*
- *Annexure-J (e-Payment detail form) must be filled by Associate along with this form.*

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Annexure-N

TATA CODE OF CONDUCT (TCoC)

Introducing Tata Code of Conduct (TCoC) in GCC, the following clause is proposed for inclusion as per suggestions from Chief Ethics Counsellor -

“TCoC is the overarching policy framework that applies to all TATA Group companies including TPNODL. TCoC provides for stakeholder-wise approach in each of the seven chapters.

The chapter “Our Value Chain Partners” states the policy as follows:

1. We shall select our suppliers and service providers fairly and transparently.
2. We seek to work with suppliers and service providers who can demonstrate that they share similar values. We expect them to adopt ethical standards comparable to our own.
3. Our suppliers and service providers shall represent our company only with duly authorized written permission from our company. They are expected to abide by the Code in their interactions with, and on behalf of us, including respecting the confidentiality of information shared with them.
4. We shall ensure that any gifts or hospitality received from, or given to, our suppliers or service providers comply with our company’s gifts and hospitality policy.
5. We respect our obligations on the use of third party intellectual property and data.

To effectively implement TCoC, there is a 3-tier framework comprising of Ethics Management Apex Team headed by the CEO, who is also the Principal Ethics Officer (PEO), TPNODL; Locational Ethics Counsellors (LECs) who cover various locations/offices of TPNODL; and LECs are assisted by 4-5 Ethics Champions (ECs).

In case any Ethical Concern is faced during the course of your business dealings with TPNODL, one may utilize any one or more of the following avenues:

1. Ethics Portal on website – www.tpnodl.com
2. Ethics Box
3. IVRS No. 19124 and then press 7
4. Locational Ethics Counsellor (LEC)
5. **Third Party Ethics Helpline – 1800-22-7697 (Toll Free) ***
6. Chief Ethics Counsellor – Mr. Sunil Kumar Sharma at sunilk.sharma@tatapower-ddl.com

TPNODL is committed to follow Core Values and Core Principles mentioned in TCoC, cited below, in carrying out various activities as well as in discharge of bi-lateral and multi-lateral obligations involving other entities/organizations:

Core Values:

All six core values are already mentioned in GCC.

Core Principles:

1. **Zero tolerance to bribery or corruption** in any form.
2. Committed to **good corporate citizenship**

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3. Contribute to the **economic development of the communities** of the countries & regions we operate in.
4. No compromise on **Safety**
5. Our conduct shall be **fair & transparent**
6. Respect the **human rights & dignity** of our stakeholders
7. **No unfair discrimination** of any kind
8. Statements made to stakeholders shall be **truthful & made in good faith**
9. Not engage in any restrictive or **unfair trade practice**
10. Provide avenues for our stakeholders to **raise concerns in good faith**
11. Environment **free from fear** of retribution to deal with concerns that are raised
12. Expect the leaders to be **role model**
13. **Comply with the laws** of the countries in which we operate

Gift Policy:

Principles for acceptance of gifts/benefits –

A gift or benefit may be accepted only if it complies with all of the following principles:

- ✓ it does not influence,
- ✓ does not have the potential to influence, an employee in such a way as to compromise or appear to compromise integrity and impartiality
- ✓ does not create a conflict of interest or perception of conflict of interest;

Principles for non-acceptance of gifts/benefits -

The gift or benefit may not be accepted or given if any of the following principles apply:

- ✓ causes the recipient or donor **to act in partial manner** in the course of duty
- ✓ apprehension of the recipient becoming **obligated to the donor**
- ✓ it is **not offered openly**
- ✓ if is an **offer of money** or something readily convertible to money (e.g. Shares)

Violation –

1. Not abiding with this policy would constitute violation of “Our Employees” Stakeholder group Clause “Gifts and Hospitality” of the Tata Code of Conduct (TCoC) 2015. Prompt action will be taken against violations.
2. Any deviation from this policy must be supported by appropriate rationale and must be duly approved by CEO who is also the Principal Ethics Officer. In any case, in dealing with such deviations, the spirit of the TCoC should in no case be compromised.
3. If it is determined that an employee / associate has violated this policy, appropriate action including termination of the employee’s / associate’s employment or association with TPNODL may be decided upon.

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