

**Pre Bid Queries Response**

**TPCODL TENDER NIT No.: TPCODL/P&S/100000339/22-23 ODSSP Phase -IV Project**

Sr. No.	Clause description	Description as per Bid Document	Bidder/ BA Query	TPCODL Response
1	6.3.1 & Page No. 86 of 1295	ELECTRICITY & WATER Supply : Consumption of TPCODL'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.	BA understand that the water can be consumed from alternative source & the amount 0.5% as mentioned, for water will not be deducted from RA bill; also if we take the metered connection from the utility & payment is made on monthly basis as per consumption, the amount 1% as mentioned, will not be deducted from RA bill. Please clarify our understanding.	As per post award contract clause at 7.14 (Page-21), The Contractor shall entitled to use of electricity and water as may be available on the Site and shall provide any apparatus necessary for such use. The Contractor shall pay at the applicable tariff plus the overheads, if any, for such use. Where such supplies are not available, the Contractor shall make his own arrangement for provision of any supplies he may require.
2	16.2. C & Page No. 24 of 1295	Payment term of Civil erection component : As per payment terms for civil work, contractor will get 80% on monthly pro-rata basis after successful erection and installation.	BA understand that the payment for civil work will be released after erection of unit wise quantity as per price schedule on monthly pro-rata basis. Please clarify our understanding.	Tender clause stand
3	16.2. B. (II) & Page No. 23 of 1295	Payment terms : On supply payment, In progressive payment (20%) Contractors shall raise Invoice for the 20% of the Basic price (taxable value) of Supplies (including Spares) against erection, Installation and commissioning of such materials and Equipment supplied. OPTCL shall release progressive payment accordingly.	BA understand that TPCODL shall release the progressive payment instead of OPTCL.	All payment shall be made by TPCODL
4	16.2. B. (III) & Page No. 24 of 1295	Payment terms : On supply payment, In final payment (10%) Contractors shall raise Invoice for the 10% of the Basic price (taxable value) of Supplies (including Spares) after successful Commissioning and takeover of each Substation with associated lines/ Independent Lines under the Contract. OPTCL shall release the above payment towards supply.	BA understand that TPCODL shall release the progressive payment instead of OPTCL.	All payment shall be made by TPCODL
5	16.2. C. (a) & Page No. 25 of 1295	On erection payment, In final payment (10%) Contractors shall raise 10% of the Erection portion after successful Erection, Installation and Commissioning and takeover of each Substation with associated lines / Independent Lines under the Contract. OPTCL shall release final payment towards erection.	BA understand that TPCODL shall release the progressive payment instead of OPTCL.	All payment shall be made by TPCODL
6	Scope of work (2) & Page No. 183 of 1295	Location of 16 Nos. 33/11kV proposed substations	Kindly provide the GPS coordinates of all the 16 Nos. 33/11kV proposed substations is to be constructed.	Intimated by mail on Dt. 24.01.2023
7	Clause description	Last date of Bid submission date: 9th Feb 2023	Extend the tender submission closing date by minimum 3 weeks from the scheduled closing date enable us to submit most competitive and flawless bid.	Extended upto 9th Feb 2023

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8	Technical Qualification Requirement	The above work of S/s & line should have been completed / commissioned within 4 (Four) years reckoned from the date of LoA	Due to Covid-19 restriction, All the project works were halt for 2 years and the project completion delayed. So request you to kindly extend the completion/ Commissioned within 5 (Five) years reckoned from the date of LoA.	The duraion of completion from issuance of LOA will be considered from 4 Years to 5 years in case of force majeure/Pandemic conditions. BA shall submit the supporting documents for the same.
9	2.1 Price Variation Clause:	The prices shall remain firm during the entire contract period.	Due to Current market fluctuations in Raw material prices, Kindly provide Price Adjustment on all the major equipments Like: ACSR/AAAC Conductors & Accessories, Power & Distribution Transformers (Copper & Aluminium Wound), 66/33/11 KV Switchgear (indoor/outdoor), 66/33/11 KV Circuit Breakers, RMU, Sectionalizer & Isolators, LA, CT, PT, LT Switchgears, HT LT & Control Cables, Steel Pole,RS Joist, Steel Structures, Hardware's etc. as per IEEMA Circular. Kindly also Provide Price variation on Labour Component	Tender clause stand
10	16.2. TERMS OF PAYMENT	a. INCEPTION COST/Moblization Advance (10%) of Contract Price of each RO: b. 60% progressive payment On supply of Materials/ Equipment (including spares) Contractors shall raise Tax Invoice for the 60% of the Basic price (taxable value) of Supplies on 100% of the Basic Price (taxable value) of Supplies. TPCODL shall release progressive payment accordingly. b. 20% progressive payment of the Basic price (taxable value) of Supplies (including Spares) against erection, Installation and commissioning of such materials and Equipment supplied c. Balance 10% payment of Supplies shall be release after successful Commissioning and takeover of each Substation with associated lines / Independent Lines under the Contract	Kindly amend the Payment Terms:- For Supply Portion including F&I:- A. 15% Interest Free Moblization I advance after award of work against Advancce Bank Guarantee. B.75 % against delivery of material at site with 100% GST. C. 10% after completion of acceptance test and Taking Over of the complete systems. For Service Portion :- A. 15% Interest Free Moblization I advance after award of work against Advancce Bank Guarantee. B. 75% against ertction of material at site with 100% GST. C. 10% after completion of acceptance test and Taking Over of the complete systems	Tender clause stand
11	7.0 Post Award Contract Administration	After finalization of tender, Rate Contract shall be issued on successful bidder with a validity period of 18 Months.	We understand that the Project completion period is 18 Month from thae date of issuance of RO	As per tender norms, the project completion period is 10 Months from the date of issuance of RO.
12		Work completion Period shall be 10 Months form date of issue of RO.		
13	Site Visit:	Site Visit:	To whom we have to contact to visit all the Sub Station and Line Locations	Intimated by mail on Dt. 24.01.2023
14	GPS Location	Sub Station wise Locations along with connected 33KV Line and 11 KV Line lengths and tapping Point to be provided along with GPS coordinate points.	Sub Station wise Locations along with connected 33KV Line and 11 KV Line lengths and tapping Point to be provided along with GPS coordinate points.	Intimated by mail on Dt. 24.01.2023

Sr. No.	Clause description	Description as per Bid Document	Bidder/ BA Query	TPCODL Response
15	ROW & Project Completion Clause No- 7.12 & 7.3 of Post award contract clause	ROW & Project Completion : The responsibilities of acquiring Right of Way (ROW) lies with contractor at his risk and cost. However, TPCODL will facilitate process of securing the ROW. The Acquisition of land for Sub- Stations shall be the sole responsibility of TPCODL. Whereas the Contractor shall be responsible for securing the RoW for lines work. Work completion Period shall be 10 Months form date of issue of RO.	Forest clearance / Railway crossing / NH crossing Approvals and Local ROW issues will take lot of time. The ROW issues cannot be cleared in some locations even the local leaders, local administrative officials and police interfering. It was observed in our earlier package that even after involvement of local authorities and department it took 18-24months for getting permissions and resolving the issues in SS and its Lines	ROW & Project compeltion clause will stand as per tender
16	Project Completion Clause No- 7.3 of Post award contract clause	Work completion Period shall be 10 Months form date of issue of RO.	Time Period is 12 Months form the Date of LOA – It is too short. If SS site are handed over within 2 Months from date of LOA, then minimum time required for completion of total substation is 18-24 Months by considering the geographical and climatic conditions.	Tender clause stand
17	Contract price Clause No- 7.2 of Post award contract clause	The Contract price comprising of Supply, Installation, Testing and Commissioning shall remain FIRM	Price Variation is not considered in the Tender – Your good selves well aware that the major raw materials involved in the project are Steel, Aluminum, Copper, Cement, Zinc and other materials. Now-a-days each and every materials cost has increased exorbitantly and no stability in the prices. Hence by considering the present market crisis we request you to include price variation clause in the Tender document, it will be beneficial to both of us.	Tender clause stand
18	STORE & STORAGE INSURANCE Clause No- 7.10 of Post award contract clause	EPC contractor shall also employ necessary watch and ward establishment for the purpose.	After completion of all Civil and SS works and charging it is requested to fix time frame to deploy your Security and Technical Operators within 30 days	Tender clause stand
19	ROW Clause No- 7.12 of Post award contract clause	ROW : The responsibilities of acquiring Right of Way (ROW) lies with contractor at his risk and cost. However, TPCODL will facilitate process of securing the ROW. The Acquisition of land for Sub- Stations shall be the sole responsibility of TPCODL. Whereas the Contractor shall be responsible for securing the RoW for lines work.	Forest Clearance/ Railway crossing/ NH Crossing approval for the Line works is time taking job and keen pursuing work – so requesting to nominate Nodal Officer from your side to follow-up and get early permissions / approvals	Tender clause stand
20	ELECTRICITY & WATER : Clause No- 7.14 of Post award contract clause	Elctricity Supply : The Contractor shall be entitled to use for the purpose of performing the Services such supplies of electricity and water as may be available on the Site and shall provide any apparatus necessary for such use. The Contractor shall pay at the applicable tariff plus the overheads, if any, for such use. Where such supplies are not available, the Contractor shall make his own arrangement for provision of any supplies he may require.	Requested to provide free Temporary Electricity service connection for construction of SS works from the nearest point. Required Materials to take the service shall be provided by the contractor.	Tender clause stand
21	Payment Terms : Clause No- 7.16 of Post award contract clause	Payment Terms	Retention Amount – Claiming of retention amount is not clear and need to fix time frame to release the retention amount.	All payment shall be made by TPCODL within 30 days on complying the tender norms.

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22	CONTRACT PERFORMANCE BANK GUARANTEE: Clause No- 7.5 of Post award contract clause	CONTRACT PERFORMANCE BANK GUARANTEE:	Delay in Handing over of sites – if due to any reason site handing over delayed more than one year. For those substations, it is requested to release separate work order and allow us to provide separate PBG & insurance. Because the bankers / insurance companies are not willing to provide PBG / insurance policies for entire value for the extended period due delay in SS site handing over.	Tender clause stand
23		Site inspection during execution after final completion	Site Inspection to be completed by the competent authority within 15 days after intimation received from the contractor. So that remarks /observations pointed out by the inspecting authority will be attended immediately as the labour will be available at site.	Any Inspection shall be made on priority basis.
24	LIQUIDATED DAMAGE / PENALY: Clause No- 7.7 of Post award contract clause	LIQUIDATED DAMAGE / PENALY:	Liquid Damages:- In the tender, the applicable LD will be to waived-off for the delay caused due to unavoidable circumstances and special situations like NH, Forest, Railway crossing and any other statutory permissions and ROW issues.	Tender clause stand
25		Provisional vendor list of TPCODL.	Kindly provide the approved vendor list of TPCODL.	Attached with tender
26	Technical Qualification Requirement	The bidder, as a Principal Contractor (not as a Sub-Contractor), must have successfully erected, tested and commissioned at least 16nos 33/11kV (O/D or I/D) or higher voltage class (AIS / GIS) Sub-Stations (having Transformer Capacity of 5 MVA or above) on EPC Contract / Turnkey Contract basis, for any State / Central, Distribution / Transmission / Generation Utility / PSU / PSU (JV) in India during Last Five Years preceding to the date of NIT.	Any activity pertaining to the construction of 33/11kV PSS or 33kV Lines etc. can be commenced by the Turnkey Agency only after the proposed land / allotment of proposed lines are done by the utility/Concerned dept. of the state Govt.  Also as it may be pertinent to your good office, in last 5 year (Last Five Years preceding to the date of NIT), due to COVID-19 Pandemic- First Wave-2020, & Second Wave-2021 all execution activities got delayed almost 1.5 to 2 years. Apart from that Cyclone (Fani, Amphan Etc), Flood in Monsoon Season 2018-2022 (In Bihar) & 17th Lok Sabha Election-2019, Odisha Legislative Assembly election-2019, Bihar Legislative Assembly election-2020 were other constraints in past execution of Project. We, hereby, request you kindly consider- the work must have successfully erected, tested and commissioned during Last Seven (07) Years preceding to the date of NIT in place of five (5) years. TPSODL has already considered /amended this point. (Ref. Prebid Queries Response)	Tender clause stand

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27	Technical Qualification Requirement	The above work of S/s & line should have been <b>completed / commissioned within 4 (Four) years reckoned from the date of LoA.</b>	<p>Any activity pertaining to the construction of 33/11kV PSS or 33kV Lines etc. can be commenced by the Turnkey Agency only after the proposed land / allotment of proposed lines are done by the utility/Concerned dept. of the state Govt.</p> <p>Also as it may be pertinent to your good office, in last 5 year (Last Five Years preceding to the date of NIT), due to COVID-19 Pandemic- First Wave-2020, &amp; Second Wave-2021 all execution activities got delayed almost 1.5 to 2 years. Apart from that Cyclone (Fani, Amphan Etc), Flood in Monsoon Season 2018-2022 (In Bihar) &amp; 17th Lok Sabha Election-2019, Odisha Legislative Assembly election-2019, Bihar Legislative Assembly election-2020 were other constraints in past execution of Project. We, hereby, request you kindly consider- the work should have been completed / commissioned within Six (06) years reckoned from the date of LoA in place of Four (04) years.</p>	Duraion of completion from issuance of LOA will be considered from 4 Years to 5 years in case of force majeure/Pandemic. BA shall submit the supporting documents for the same.
28	7.0 Post Award Contract	<p><u>Clause -1</u> :- AWARD OF CONTRACT After finalization of tender, Rate Contract shall be issued on successful bidder with a validity period of 18 Months. &amp; <u>Clause-3</u> :-PROJECT COMPLETION PERIOD: Work completion Period shall be 10 Months form date of issue of RO.</p>	Both mentioned points are contradicted to each other. Please confirm	After finalizatin of tender, Rate Contract shall be issued and subsequently RO shall be issued in phase manner after site clerance. Completion period shall count from RO issuance.
29	7.0 Post Award Contract	<p><u>Clause-2</u> :- PRICES/ RATES/ TAXES The Contract price comprising of Supply, Installation, Testing and Commissioning shall remain FIRM during the entire Contract period except statutory variation in Taxes, which shall be to the account of TPCODL against Tax Invoice. However, the price shall remain firmed until the completion of the Project, even if contract period is extended due to any reason. There shall be no price variation during the Contract Period / Extended Contract Period.</p>	We do hereby propose to incorporate the PV Clause in this tender as Completion period of such project can't be confined within Ten Months or 18 Months.	Tender clause stand
30		Pre Qualification criteria	Relaxation of qulification Criteria considering Preferential norms for Local MSME	Tender clause stand
31		EMD Rs.1.20 Cr.(Pkg-A) Rs.1.77 Cr(Pkg- B)	Please note that recently TPSODL, TPWODL,TPNODL and many other Govt. & Private Sectors have floated the tenders considering exemption of submission of EMD for MSME Unit registered under Govt. of Odisha. Hence, request to exempt submission of EMD for this package	Tender clause stand

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32	1.7.2 BIDDER'S FINANCIAL QUALIFICATION: 1:MINIMUM AVERAGE ANNUAL TURNOVER: For 33/11 KV Substation (Package-A)	The Minimum Average Annual Turnover (MAAT) requirement of the bidder (The Average of best three financial years out of the Last Five Financial Years preceding to the year of NIT) shall not be less than 120 Crores.	In this context, it is to intimate you that different Govt. Sectors like PGCIL etc. are giving relaxation to MSME units against turnover requirement to qualify the bid. Hence kindly consider relaxation of turnover requirement for MSME registered unit as per MSME norms for this package.	Tender clause stand
33	For 11 KV & 33 KV Linking Line and independent 33 KV Line (Package-B)	The Minimum Average Annual Turnover (MAAT) requirement of the bidder (The Average of best three financial years out of the Last Five Financial Years preceding to the year of NIT) shall not be less than 180 Crores.		Tender clause stand
34	Cl.3: Project Completion period	Work completion Period shall be 10 Months from date of issue of RO	Since the Projects shall be executed in different districts and ROW lies on contractor scope as per tender specification, completion period of 10 months is not sufficient. Hence request to extend the work completion period.	Tender clause stand
35	Cl No.-2 Price	Price Variation Clause: The prices shall remain firm during the entire contract period.	It is not possible to validate the major equipment price for such a long period. Hence, request to allow price variation as per IEEMA.	Tender clause stand
36	CL.No.5:- CPNTRACT PERFORMANCE BANK GUARANTEE	First BG: The Contract Performance Bank Guarantee (CPBG) amount shall be equal to Five Percent (5%) of the Contract Price (including GST) of each Release Order related Major items i.e. Power Transformers , Station Transformer, SCADA automation, VCB, Switchgear Panels including CT & PT, Isolators, RTUs, RMU & HT Cables valid for 03(Three) months over and above work completion period plus Guarantee Period i.e. (10 months+60 Months + 3 Months=73 months	Request to consider 3% instead of 5%... CPBG and the validity period of CPBG may be reduced.	Tender clause stand
37	"Tender_Doc.pdf" Page-18, Clause-3	PROJECT COMPLETION PERIOD: Work completion period shall be 10 Months from date of issue of RO.	Considering the quantum of work and spread of work in 9 different districts we request you to allow minimum 24 months completion period for these projects.	Tender clause stand
38	Tender_Doc.pdf" Page-12, Clause-2.1	Price Variation Clause: The prices shall remain firm during the entire contract period.	Considering the volatility in prices of raw materials required for this project we request you to allow price variation for following items as per IEEMA PV Formula:  1) Cable 2) Conductor 3) Transformer 4) Structure 5) HT Switchgear including 33 KV GIS 6) LT Switchgear 7) Steel Tubular poles and H-Pole	Tender clause stand

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39	Tender_Doc.pdf" Page-22, Clause-16 and Tender_Doc.pdf" Page-84, Clause-6	Terms of Payment	Terms of payment are mentioned at two places in the tender document. Kindly confirm which terms of payment will prevail in case of any contradiction between the two.	As per order preference at clause no -6.0 (at Page - 17), payment terms at post award terms ( at page 22) supersede the payment terms in General Condition of contract ( at page-84). So, payment terms mentioned in post award contract shall stand.
40	Tender_Doc.pdf" Page-19, Clause-7 and Tender_Doc.pdf" Page-96 Clause- 15	Liquidated Damages	Liquidated Damages clause is mentioned at two places in the tender document. Kindly confirm which clause will prevail in case of any contradiction between the two.	Same as above. So, Liquidated Damages clause mentioned in post award contract shall stand.
41	Tender_Doc.pdf" Page-17, Clause-5	TPCODL reserves all the rights to award the contract to one or more bidders so as to meet the delivery requirement or nullify the award decision without assigning any reason thereof.	Kindly modify the clause and confirm that there will be no division of work after evaluation of bids and work will be awarded to one successful bidder per package.	Tender clause stand. TPCODL reserves the right to split the contract typically in 60% of the work to L1 bidder and remaining 40% of the work to other bidder with L1 price. TPCODL also reserves the right to split the contract based on the bidder capability.
42	General	Proposed location of new substations	Please provide location details for all proposed substations to enable us to do pre tender survey and evaluate the local conditions.	Intimated by mail on Dt. 24.01.2023
43	Approved Make (Electrical Portion)	Approved Make (Electrical Portion)	Can we use the supply materials of channel partners of approved make provided in the prescribed make list.	Bidder shall procure material as per approved vendor list given in the tender document. However, bidder may procure the materials from channel partner having manufacturing license from TPCODL approved prime OEM.
44	Price Schedule of Pack	New 33kV Bay at existing TPCODL SS & OPTCL Grid SS	From price schedule & scope of work, we understand that there is no scope of SAS integration works for bay augmentation works in bidders scope. Kindly confirm.	No Requirement of SAS Integration in Source Bay. SAS Integration is for new ODSSP PSS.
45	Approved Make List	Mandatory Requirement	Make list is not given in the Tender documents for Fire Alarm Panel with associated system & RMU. Please provide the same. Make of Stay set & Danger board is also not given. Please clarify whether we can use the standard make.	The Make are as follows: Fire Alarm: Mentioned in spec RMU: Seimens, Schneider, ABB, CGL, Luci Electrical Stay set, Danger Board: As pe the Vendor List for Hardware Fittings uploaded in Tender Document
46	Price Schedule of Package-B	Price Scheduled "A" Scheduled no. 1 of 33kV Line & Scheduled no. 2 of 11kV Line	For both 33kV & 11kV line arrangement, Guarding materials arrangement 6SWG GI wire & Eyehook line item is not given. Please provide the same in price schedule of both 33kV & 11kV Line arrangement.	Guarding materials arrangement i.e 6SWG GI wire & Eyehook line item are to be included after completion of Survey by EPC Contractor and Unit Rate shall be as per Similar Items.
47	Approved Make List	Mandatory Requirement	ACDB/DCDB/CONSOLE BOX/BMK: S.R.Automation & J.D. Electricals is mentioned in the earlier approved make of TPCODL. Same is not given in the current TPCODL approved make list. Please confirm whether we can consider the same or not.	Bidder shall procure material as per approved vendor list given in the tender document.

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48			Any Deviation in the Materials w.r.t tender technical specifications/ Inspection reports at Factory premises – it is requested to finalize the amount to be deducted at the time of issue of MDCC/ MVAC or to be mentioned in the inspection report/ MDCC. As per tender document, we have to take materials from various approved vendors and the vendors will used to escape after supply of materials to site and they are not willing to bear such deductions.	As per Tender Document and Technical Specification.
49			Any deviation in the Materials after GTP/ Inspection/ MDCC/MVAC approvals – Contractor should not be made responsible once the materials were inspected and accepted by your authorized official/ Inspector and third party during execution of work and in future also.	As per Tender Document and Technical Specification.
50			Power Transformers & major materials type test reports approvals takes time as per revised Tender Specifications. If any vendor already got approvals for the type test report approvals as per Tender Specification from TPCODL, please provide the same. If no vendor approved, please allow the OPTCL approved vendors for supply of power transformers & station transformers with the same losses & specifications who supplied for previous projects to avoid delay in project.	The make of Power Transformers & major materials are as per approved vendor list given in the Tender Document.
51			Please take Substation automation in your Scope(TPCODL).	Supply ,installation ,testing and commissioning (SITC) of RTU Panel for Substation Automation System (SAS) and its integration with Substation equipment like BCPUs, MFMs or IEDs are within the contractor scope. The scope also includes point to point testing with TPCODL existing SCADA System
52		33KV GIS : The offered Indoor GIS shall have VCB, Three Position Disconnecting Switch and Bus Bars shall be enclosed in SF6 Gas."	The offered Indoor GIS shall have VCB, Three Position Disconnecting Switch and Bus Bars shall be enclosed in SF6 Gas / Busbars with touchproof solid Silicone insulated outside gas compartment.	As per Technical Specification.
53		Busbar Module - A gas filled, clad compartment, which is totally segregated from the circuit breaker compartment with regard to gas handling. The busbar module incorporates: <input checked="" type="checkbox"/> Three-position switch. <input checked="" type="checkbox"/> Three-phase copper busbar system	1. Busbar Module: SF6 gas insulated / Touchproof solid Silicone insulated outside gas compartment which is totally segregated from the circuit breaker compartment with regard to gas handling. 2. Circuit breaker module with Three-position switch -Inside common SF6 Gas compartment	As per Technical Specification.
54		5.2 FUNCTIONAL COMPARTMENT: <input checked="" type="checkbox"/> Busbar compartment – SF6Gas insulated	<input checked="" type="checkbox"/> Busbar compartment – SF6 Gas insulated / Touch proof solid Silicone insulated outside gas compartment.	As per Technical Specification.
55		5.5. BUSBAR / PANEL CONNECTIONS: The gas-insulated busbar sections of the single panels shall be connected via single-pole solid-insulated connection elements which allows for easy exchange of a cubicle without SF6 works. Busbar connection to be designed in such a way that no adjacent panels must be moved or opened for exchange of a Panel.	5.5. BUSBAR / PANEL CONNECTIONS: The gas-insulated busbar / touch proof solid Silicone insulated busbars outside gas compartment sections of the single panels shall be connected via single-pole solid-insulated connection elements which allows for easy exchange of a cubicle without SF6 works. Busbar connection to be designed in such a way that no adjacent panels must be moved or opened for exchange of a Panel.	As per Technical Specification.



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56		<p>Justification for above three point :</p> <p>Busbars with touchproof solid Silicone insulated outside gas compartment is in successful operation at OPTCL SCRIPS PMU, Bhubaneswar city</p> <p>Solid Silicone insulation for busbars offers the following distincts benefits to the user as follows:</p> <ol style="list-style-type: none"> <li>1) Superior dielectric features (4 times) compared to SF6 gas.</li> <li>2) Tried and tested as insulation even in EHV switchgear.</li> <li>3) Hydrophobic (water rejecting)</li> <li>4) 33kv touch proof capability avoiding any short circuit faults.</li> <li>5) No gas work at site supporting quick installation and extension.</li> <li>6) Approval by PGCIL &amp; State utilities in IPDS schemes.</li> <li>7) Environment-friendly : Reduction in overall SF6 content in switchgear as per Kyoto protocol (India is also a signatory)</li> </ol> <p>Hence silicone insulated busbars outside gas compartment is a superior design and may be permitted as an alternative to busbar inside gas compartment.</p> <p>Hence request you to kindly accept our recommendation</p>		As per Technical Specification.
57		<p>5.6 By design there should be no need for gas works during the whole time on site, not even for exchanging centre Panel or extending the switchgear at later stage, e no gas handling shall be necessary during the anticipated service life of the switchgear, under normal operating conditions.</p>	<p>5.6 By design there should be minimum / no need for gas works during the whole time on site, not even for exchanging centre Panel or extending the switchgear at later stage, e no gas handling shall be necessary during the anticipated service life of the switchgear, under normal operating conditions.</p> <p>Justification : Minimum gas works is required during first installation / exchange / extending switchgear. Kindly request you to permit the same.</p>	As per Technical Specification.
58		<p>8.0 INSTRUMENT TRANSFORMERS IVT shall be placed in a separate Panel.</p>	<p>Instrument transformer shall not require separate panel. As same can be either plug in type at feeder side or top mounted on Busbars.</p> <p>Justification :It ensures compactness of the switchgear as 600mm width per additional panel for VT can be avoided. VTs are metal enclosed touch proof and free from any accidental access and can be easily accommodated in the same feeder (Line side) or Panel top mounted (Bus side) these are IEC type tested design and hence same may please be accepted.</p>	As per Technical Specification.
59		<p>16) Control Voltage 48 V DC</p>	<p>We request to accept 110/220 V DC control voltage</p> <p>Justification : It gives flexibility on various models of numerical &amp; auxiliary relays.</p>	As per Technical Specification.
60	<p>“Tender_Doc. Pdf” Page- 8,Clause 1.71</p>	<p>For 33/11 KV Substation (Package-A)</p> <p>1.The bidder , as a Principal Contractor (not as a Sub Contractor), must have successfully erected ,tested and commissioned at least 16 nos 33/11 KV (O/D or I/D) or higher voltage class (AIS/GIS) Sub-Stations (having Transformer Capacity of 5 MVA or above)on EPC Contract/ Turnkey Contract basis, for any State / Central Distribution / Transmission/ Generation Utility /PSU / PSU(JV) in India during Last Five Years preceding to the date of NIT.</p>	<p>Kindly confirm that this qualification requirement is applicable for new substation as well as augmentation works in existing substations.</p>	<p>Only Construction of new Substation will be considered as qualifying requirement.</p>

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61	Package –A Substation Supply BOQ Sr.No.21	LTDB for 100 KVA ,33/0.433 KV Station Transformer, as per technical specification ad scope of work.	Rating Quantity & Details of ACB/MCCB for incomer & Outgoing feeder are not mentioned. Please share details to enable us to do costing for these items.	As per Technical Specification. (Refer Section E12-9)
62	Package –A Substation Supply BOQ Sr.No.59	ACDB		As per Technical Specification. (Refer Section E7)
63	Package –A Substation Supply BOQ Sr.No.60	Main Lighting Distribution Board		As per Technical Specification. (Refer Section E7)
64	Package –A Substation Supply BOQ Sr.No.61	Indoor Lighting Distribution Board		As per Technical Specification. (Refer Section E7)
65	Package –A Substation Supply BOQ Sr.No.62	Receptable Panel near Power Transformer		As per Technical Specification. (Refer Section E7)
66	Package –A Substation Supply BOQ Sr.No.63	48 V DC Distribution Board		As per Technical Specification. (Refer Section E7)
67	General	Status of land allocation for new substations	Please provide information regarding status of land allocation for all new substations.	Identified
68	Package –A Substation Supply BOQ Sr.No.52	Steel wire reinforced flexible conduct pipe (16 mm) with all accessories as per technical specification and scope of work	Please provide technical specification for this item.	Material shall be of Indian Standard / REC Standard of similar items.
69	Package B SOURCE SS_SUPPLY BOQ Sr.No.A-2	Supply of Materials Required for Construction of 33 KV GIS Bay at TPCODL 33/11 KV PSS.	Kindly provide details of existing GIS modules at these substations to enable us to get quotation from OEM for compatible 33 KV GIS modules.	Not Required.
70	Package B SOURCE SS_SUPPLY BOQ Sr. No. B Item No.1.5	B. 33 KV new Bay at OPTCL GSS Simplex type Control & Protection Relays panel which shall be provided in the control room.	Kindly provide details of existing control and relay panel at these substations at enable us to get quotation from OEM for compatible con troll and relay panel.	Not Required.