

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
1	2	3	4	5
1	Clauses related to TPCODL GCC	General Conditions of Contract (GCC - Composite)	Clarifications / Additions to GCC - Composite	Any Deviations on GCC - Composite shall be clearly mentioned in the bid in the prescribed 'Deviation Sheet'. TPCODL reserves the right to reject bids with major deviations on the GCC. The T&Cs can be discussed with the short-listed bidder/s prior to the award of Contract
2	Clauses related to TPCODL CSM	Safety Policy and Safety Terms and Conditions	Clarifications / Additions to Safety T&Cs	MDMS being office job/low risk job, CSM shall not be applicable.
3	Clauses related to Tata Code of Conduct	Tata Code of Conduct (TCoC)	Clarifications / Additions to GCC - Services	No Deviation on TCoC. TPCODL reserves the right to reject bids with deviations on TCoC
4	1.3. Calendar of Events (c) Pg. 5 of 63	Last Date of receipt of pre-bid queries, if any 13.01.2021; 15:00 Hours	We are still going through the tender documents and require more time to prepare our pre-bid meeting queries for above mentioned enquiry. In the view of this, we request you to kindly extend the last date of pre-bid query submission till 23rd January 2021.	Schedule to be followed as specified in tender document
5	1.3. Calendar of Events (f) Pg. 5 of 63	Last date and time of receipt of Bids 31.01.2021; 15:00 Hours	We are very much interested in participating and working with your esteemed organization. We feel that the time available for bid preparation is too short and without bid extension, we won't be able to submit our comprehensive proposal. We request TPCODL to extend bid submission due date (currently 31.01.2021 as per tender) by at-least 6 weeks from the date of pre-bid clarification amendments published by TPCODL . This will help us to prepare and submit our comprehensive proposal.	Schedule to be followed as specified in tender document
6	Page # 6 , Point 1.7.1	The bidder should have annual turnover of minimum of Rs. 100 Crores in last three financial years (FY 17-18, FY 18-19 and FY 19-20).	Please allow one Consortium of Global Partner to show case the Global Credentials. The Expected Financial Turn Over in case of consortium, the partners jointly or severally must have an annual average turn over of INR 75 Crores or equivalent . Supporting Evidences --- Copy of Audited balance sheet, profit and loss account and auditors report from the statutory auditors of all the Partners required to be submitted. In cases, where audited results for the last preceding financial year are not available, certification of financial statements from a practicing Chartered Accountant/ Company Secretary shall also be considered acceptable.)	Tender Qualification Requirement / Eligibility Criteria shall prevail.
			The bidder should have annual turnover of minimum of Rs. 90 Crores in last three financial years (FY 17-18, FY 18-19 and FY 19-20).	Tender Qualification Requirement / Eligibility Criteria shall prevail.
7	Page # 6 , Point 1.7.2	The bidder should be either an OEM of MDMS or System Integrator for MDMS and should have integration experience of SAP ISU billing. (Self-Certification or Authorization of OEM to be submitted in this regard.)	Supporting Evidences -- The bidder / Consortium partner should be either an OEM of MDMS or System Integrator for MDMS and should have implementation experience of SAP ISU billing. Self-Certification or Authorization of OEM to be submitted in this regard.	Self-undertaking by OEM to be submitted. For SI, authorization from OEM to be submitted. Reference to be submitted where solution has been deployed
			We request you to consider experience of integration with Utility Legacy systems. Requirement: The bidder should be either an OEM of MDMS or System Integrator for MDMS and should have integration experience of Utility billing application. Self-Certification or Authorization of OEM to be submitted in this regard. Indicative Documents: None	Tender Qualification Requirement / Eligibility Criteria shall prevail.
			We request you to modify this clause as follows: "The bidder should be either an OEM of MDMS or System Integrator for MDMS and should have integration experience of Standard COTS billing systems. Self-Certification or Authorization of OEM to be submitted in this regard."	Tender Qualification Requirement / Eligibility Criteria shall prevail.

			<p>The bidder should be either an OEM of MDMS or System Integrator for MDMS and should have implementation as well as Integration experience of SAP ISU billing. Self-Certification or Authorization of OEM to be submitted in this regard (Self-undertaking or authorization from OEM to be submitted.) The Bidder or its integration partner should be SAP Gold/Platinum certified partner.</p>	<p>The bidder should be either an OEM of MDMS or System Integrator for MDMS and should have implementation as well as Integration experience of SAP ISU billing. Self-Certification or Authorization of OEM to be submitted in this regard (Self-undertaking by OEM to be submitted. For SI, authorization from OEM to be submitted. Reference to be submitted where solution has been deployed.)</p>
7	Page # 7 , Point 1.7.3	<p>The bidder should have experience of integration of MDMS with SAP ISU in at least one utility in last five years and out of these smart meters, and data is being collected at a frequency ranging from 30 min to 24 hours at Head End System (HES). (Purchase Order Copies along with completion certificate issued by client to be submitted).</p>	<p>The bidder / Consortium partners either jointly or severally should have experience of implementation of SAP ISU and its integration ef with at least one utility in last five years and out of these smart meters, and data is being collected at a frequency ranging from 30 min to 24 hours at Head End System (HES). Supporting Evidences - Purchase Order Copies along with completion certificate issued by client or Lead bidder / OEM to be submitted or self certification to be submitted</p>	Tender Qualification Requirement / Eligibility Criteria shall prevail.
			<p>We request you to consider expereice of integration with Utility Legacy systems. Requirement: The bidder should have experience of integration of MDMS with Utility Legacy systems in at least one utility in last five years and out of these smart meters, and data is being collected at a frequency ranging from 30 min to 24 hours at Head End System (HES). Indicative Documents: (Purchase Order Copies/Self declaration/Work Orders for ongoing projects along with completion certificate issued by client to be submitted).</p>	Tender Qualification Requirement / Eligibility Criteria shall prevail.
			<p>We request you to modify this clause as follows: "The bidder should have experience of integration of MDMS with Standard COTS billing system in at least one utility in last five years and out of these smart meters, and data is being collected at a frequency ranging from 30 min to 24 hours at Head End System (HES)."</p>	Tender Qualification Requirement / Eligibility Criteria shall prevail.
			<p>1. The bidder should have experience of integration of MDMS with SAP ISU proven at minimum 200,000 smart meters in at least one utility globally in last five years and data is being collected at a frequency ranging from 30 min to 24 hours at Head End System (HES) 2. Can bidder/MDM OEM can provide self-reference letter with contact details to connect TPCODL team to validate the information with end client?</p>	Self-Certification or Authorization of OEM to be submitted in this regard (Self-undertaking by OEM to be submitted. For SI, authorization from OEM to be submitted. Reference to be submitted where solution has been deployed.). Global Exp to be considered.
8	Page # 7 , Point 1.7.4	<p>Proposed MDMS should have been integrated with at least 2 HES in India (Purchase Order Copies along with completion certificate issued by client to be submitted).</p>	<p>Supporting Evidences -- Proposed MDMS should have been integrated with at least 2 HES in India/ globally</p>	Ok. Reference to be submitted where solution has been deployed.
			<p>We request you to consider expereice of integration with Utility Legacy systems. Requirement: Proposed MDMS should have been integrated with at least 1 HES in India. Indicative Documents: (Purchase Order Copies/Self declaration/Work Orders for ongoing projects along with completion certificate issued by client to be submitted).</p>	Tender Qualification Requirement / Eligibility Criteria shall prevail.
			<p>We Request this clause to be amended as "Proposed MDMS should have been integrated with at least 2 HES in India / Globally"</p>	Ok. Reference to be submitted where solution has been deployed.
9	Page # 7 , Point 1.7.5	<p>The bidder should submit certificate of the proposed solution for scalability up to minimum 5 million meters (per month) for 15 min interval read data delivered daily. (Self-certification to be submitted).</p>	<p>Supporting Evidences -- Self-certification/OEM certification to be submitted</p>	Ok. Reference to be submitted where solution has been deployed.
			<p>Can lead bidder submit the self signed letter of MDM OEM?</p>	Tender Qualification Requirement / Eligibility Criteria shall prevail.
			<p>Supporting Evidences -- Completion certificate from user / Lead bidder to be provided by the bidder / Consortium partners for the proposed solution for cumulative 2 lakh meters with 15 min interval read data.</p>	Tender Qualification Requirement / Eligibility Criteria shall prevail.

10	Page # 7 , Point 1.7.6	Completion certificate from user to be provided by the bidder for the proposed solution for cumulative 2 lakh meters with 15 min interval read data.	In order to encourage local participation, we request you to change this clause as under. This will encourage larger participation and good companies to be part of consortium and promote indigenous solution which is capable to meet the requirements. Requirement: Completion certificate/ Work Orders of ongoing projects from user to be provided by the bidder for the proposed solution for cumulative 25,000 meters with 15 min interval read data Indicative Documents: (Completion certificate issued by client or Self-declaration to be submitted)	Tender Qualification Requirement / Eligibility Criteria shall prevail.
		(Completion certificate issued by client to be submitted)	We understand that TPCODL intends to evaluate the capability of the bidder to integrate the proposed MDM for cumulative 2 lakh meters over various projects. We request you to please allow completion certificates from either the utility or the system integrator as a MDM solution provider may work in a project in various modes such as SI, MDM solution provider etc. A completion certificate from either the client or the system integrator is only issued on completion of the said part of the project.	Ok, however reference to be provided for verification from the user to confirm same.
			Completion certificate from user or self-reference letter to be provided by the bidder/MDM OEM for the proposed MDM solution integration with SAP ISU Billing at minimum 200,000 smart meters with 15/30 minute interval read data. in at least one utility globally in last five years	Tender Qualification Requirement / Eligibility Criteria shall prevail.
			MDMS deployment has done with very limited metering points under R-ADRP/IPDS scheme in Indian Utilities in past few years. We being Indian supplier of MDMS has completed 11 nos. licenses under MoP schemes but not achieved millions of metering points. Hence we request you to consider to reduce number of metering points to 50K cumulative to give chance to Indian supplier under "Make in India" scheme.	Tender Qualification Requirement / Eligibility Criteria shall prevail.
11	Page # 7 , Point 1.7.7	The bidder must have a presence in India for last 10 years (Copy of Certificate of Incorporation prior to 01.04.2010 to be submitted)..	The bidder / partners in the consortium must have a presence in India for least 05 years or 09 years globally jointly or severally. OR The bidder /consortium partners must individually have an experience of 7 years as OEM or System Integrator in India or globally. Supporting Document -- Copy of Certificate of Incorporation prior to 01.04.2010 01.04.2015 to be submitted for Indian company or Copy of Certificate of Incorporation prior to 01.04.2012 to be submitted for Global company	Tender Qualification Requirement / Eligibility Criteria shall prevail.
			In order to encourage local participation, we request you to change this clause as under. This will encourage larger participation and good companies to be part of consortium and promote indigenous delivery which is capable to meet the requirements. Requirement: 7. The bidder must have a presence in India for last 5 years. Indicative Documents: None	Tender Qualification Requirement / Eligibility Criteria shall prevail.
12	Page # 7 , Point 1.7.8	The bidders must have valid CMMI level 3 certification. (Copy of Valid CMMI Certificate to be submitted)	Can bidder use credentials of IT SIs as subcontractor to qualify the QR as we are not CMMI level 3 certification?	Only to the extent of CMMI level 3 certification.
13	General Request		Can bidder use credentials of IT SIs and MDM OEMs as subcontractor to qualify the QR and maximize the technical evaluation criteria score? Please confirm	Specification to be complied as per tender document.
14	General Request		Please Allow The Consortium on at least 1 Partner And Please allow the Global Companies to Participate in this Bid with their respective Global Credentials. In Order to have the Latest Technological Approach with Cost effective Solutions are only possible through by allowing the Global Partners at least as a Consortium Partner.	Tender conditions/criteria shall prevail.
15	General Request		At the outset we would request Tata Power to clarify the intent in terms of execution modality for this tender i.e. whether Tata Power wants this tender to be executed by a Systems Integrator assuming end to end responsibility OR by selecting various OEMs on their own and doing integration jobs themselves. The queries are raised assuming Tata Power would adopt the first option of selection of SI.	Tender conditions/criteria shall prevail.
16	General Request		MDMS on Cloud.	Tender conditions shall prevail.

10	2.0 Evaluation Criteria; Page 8 of 228	NOTE: In case a new bidder is not registered with TPCODL, factory inspection and evaluation shall be carried out to ascertain bidder's manufacturing capability and quality procedures. However TPCODL reserves the right to carry out factory inspection and evaluation for any bidder prior to technical qualification.	Please confirm that such a factory inspection would not apply for a System Integrator.	Noted.
11	TN_168_Final/3.0 Submission of Bid Documents/8 of 228	The EMD in the form of Bank Draft / BG /Bankers Pay Order shall be delivered at the following address in sealed envelope clearly indicating the tender reference / enquiry number, name of tender and bidder name: Chief (Procurement & Stores) TP Central Odisha Distribution Limited,2nd Floor, IDCO Towers, Janpath, Bhubaneswar-751022	Please specify if there is a deadline for hardcopy of BG to reach the mentioned address?	Hardcopy BG should be dispatched on or before the due date for bid submission. Soft copy of the same shall be uploaded alongwith the bid. Details of courier to be shared through email.
12	4. Evaluation Criteria: Pg. 28 of 33	Technical bid shall be evaluated after fulfillment of qualifying requirement (QR). Bids will be considered technically qualified with a score of 35 or above out of total marks as per following matrix.	Our recommendation is that technical scoring for qualification of bidder should be minimum score of 45 or above out of total marks so that the technically proven, scalable MDM bidders can qualify for this opportunity	Specification to be Complied
			our recommendation as follows Overall bid evaluation should be based on QCBS and not L1 i.e. technical and financial basis with 75:25 weightage to technical bid and financial bid. This would ensure and provide a level playing field to all the bidders in this tender	Tender specification/conditions to be complied.
13	4. Evaluation Criteria: Project Experience 1 a) Pg. 28 of 33	For each project the scoring criteria will be; For Meters >= 2 Million Meters - (2 Marks) For Meters >= 500 K - (1 Mark) For Meters >= 100 K - (0.5 Mark) For Meters <= 100 K - (Zero Marks)	Our recommendation to TPCODL should consider smart meters instead of meters	Yes it is for Smart Meters only.
			Proposal For change :Number of MDMS project successfully completed / on going in last 5 years No. of projects - Maximum 3 - Two marks for each project (Max. 6 Marks). For each project the scoring criteria will be; For Meters >= 50 K Meters - (2 Marks) For Meters >= 20 K - (1 Mark) For Meters >= 10 K - (0.5 Mark) For Meters <= 5 K - (Zero Marks) TPCODL reserves the right to conduct site visits of the bidder's completed projects to examine the functionality and integration.	Specification to be complied
			We understand the intent of TPCODL is to evaluate the capability of the bidder to execute MDM projects with high volume. We thus request TPCODL to kindly consider the below clause which will give a better idea of the volume of meters handled by the bidder's MDMS projects. Number of MDMS project successfully completed in last 10 years (in terms of volume of meters/consumers): For meters >= 2 million - 2 marks For meters >= 3.5 million - 4 marks For meters >= 6 million - 6 marks We would also request you to consider a longer time frame rather than 5 years for allowing more projects of the bidder to be showcased and in turn prove their capability to handle such projects. We, thus, request you to change the duration from 5 years to 10 years.	Specification to be Complied
			You are requested to kindly reduce the project experience in proportion to deploment happened across Indian power utilities as of now. If we talk about overall metering points count integration with any MDMS is not more than one million in India. It indicates that any indian MDMS supplier alone should not have covered 0.5 million of metering points. Hence we sincerely request to revise the clause accordingly.	Specification to be Complied

		Project Experience in integration of IT applications - 20 Marks The distribution of marks for experience in integration of IT applications is provided as follows:- (i) Relevant SAP modules - (10 Marks) (ii) Cyber Security feature including demonstration - (5 Mark) (iii) DMS and GIS - (1 Mark) (iv) Pre-Payment Application - (4 Marks)	Proposal for Change:Project Experience in integration of IT applications - 20 Marks The distribution of marks for experience in integration of IT applications is provided as follows:- (i) Relevant SAP modules - (5 Marks) (ii) Cyber Security feature including demonstration - (5 Mark) (iii) DMS and GIS - (5 Mark) (iv) Pre-Payment Application - (5 Marks)	Specification to be complied
		CVs of minimum 5 individuals with relevant experience with minimum of 5 years. **(purchaser may take interview of employees whose CV has been submitted and no resource diversion will be allowed unless it is produced that employee has resigned from Organization. As the project duration is one year) If company is MNC CV credential must have 30% workforce from	Proposal for Change: Mark to be increased to 5 Marks	Specification to be complied
14	4. Evaluation Criteria Pg 91 & 4.1 Technical Evaluation Pg 104	Two different Evaluation Criteria are assigned.	Kindly clear our understanding that the Evaluation criteria on Pg 91 is applicable to the software part (MDMS) and Technical Evaluation Pg 104 for the Hardware installation.	Evaluation Criteria will be done as per criteria given in Pg 91 wherever it will contradict table given in page 104.
15	Document-TN_168_FINAL 4. Evaluation Criteria: Page 28 of 33	Project Experience in integration of no. of AMI HES in one project (i) more than 2 HES - 1 Mark	We understand TPCODL intends to evaluate the project experience in integraton of the proposed MDM with various HES. We, thus, request you to kindly consider the modified clause: Experience in integration of proposed MDM with no. of AMI HES: 1 HES - 0.5 mark 2 HES - 1 mark	Specification to be Complied
16	4. Evaluation Criteria: Project Experience 1 d) Pg. 29 of 33	i) Relevant SAP modules - (10 Marks)	Our recommendation as follows 1. Full marks will be awarded if the integrations of proposed MDMS with SAP ISU Billing were performed with standard SAP adapter, SAP AMI licenses. Further, bidder or its partner should have SAP ISU implementation experience (Gold/Platinum certified), else no marks will be awarded	Specification to be Complied
17	4. Evaluation Criteria: Project Experience 5. Pg. 29 of 33	Gartner Magic Quarter	Our recommendation as follows Full marks will be awarded if the proposed MDM solution provided by bidder should be leader in Gartner magic quadrant in consecutive last 3 years (2019, 2018 and 2017), else no marks will be awarded	Specification to be Complied
			Gartner has discontinued the Magic quadrant and is replaced by Gartner Market Guide. Thus the leader quadrant is no longer valid. Hence, we request any MDMS listed in Gartner Market Guide to be considered for full marks.	Specification to be Complied
18	5 Award Decision Page 12 of 63	TPCODL reserves the rights to award contract to one or more bidders so as to meet the delivery requirement or nullify award decision without assigning any reason thereof.	Please lebaorate this requirement.	Clause is self explanatory
19	5 Award Decision Page 12 of 63	TPCODL will award the contract to the successful bidder whose bid has been determined to be the lowest-evaluated responsive bid as per the Evaluation Criterion mentioned at Clause 2.0.	our recommendation as follows Overall bid evaluation should be based on QCBS and not L1 i.e. technical and financial basis with 75:25 weightage to technical bid and financial bid. This would ensure and provide a level playing field to all the bidders in this tender	Tender specification/conditions to be complied.
20	7.5 Payment Terms Page 14 of 63	2 Delivery of all Hardware and Software	1a. Our recommendation is that scope of supply, design, implementation, testing, integration and maintenance of IT Infra Hardware and 3rd party SW license like database, message bus, middleware, JAVA etc. shall be in scope of TPCODL. 1b. The bidder shall provide the MDM sizing estimates and list of 3rd party SW licenses to TPCODL.2. the milestone should be changed to delivery of MDM software license	Specification to be Complied

21	TN_168_Final/7.3 Delivery Timelines/13 of 228	2 Delivery of all Hardware and Software	Since bidder will have the flexibility to utilize the existing hardware infrastructure available. Can we quote only the required HW after studying existing TPCODL infrastructure?	Existing Hardware not be considered.
22	TN_168_Final/Checklist of all the documents to be submitted with the Bid/22 of 228	Acknowledgement for Testing facilities if available (duly mentioned on bidder letter head)	Request you to kindly share the expectation under this requirement	List containing details of testing facilities, as/if applicable, to be provided.
23	TN_168_Final/SAFETY POLICY AND SAFETY TERMS AND CONDITIONS/32 of 228	Appendix 2: CSM-F-1 Safety Category Qualification form	Does the SW vendors to fill this form at this stage or is it a post winning activity to perform in Delivery phase? Please clarify.	Pls refer Sl.no. 2
24	TN_168_Final/SAFETY POLICY AND SAFETY TERMS AND CONDITIONS/32 of 228	ISO certificates to be issued from reputed accreditation agencies specified by Tata Power	Please help with the agency names.	
25	TN_168_Final/Appendix 4: CSM- F-3- Safety Performance Evaluation Criteria/33 of 228	A certain percentage of the bill value will be retained against every running bill as safety performance retention. The amount will be released with the last invoice or every six-month based on Safety Performance Score of contractors. The retention amount will be calculated based on contract value as below.	Will this applicable to this opportunity as Safety Violation attributes are not applicable for SW vendors ?Please clarify.	
26	TN_168_Final/Appendix 9: CSM- F-10 Site Safety Management Plan / Method Statement/43 of 228	Site Safety Plan / Method Statement (Template)	We assume that it is not applicable at this stage. Please clarify.	
27	Page # 14 , Point 7.5	Business blueprint sign off against submission of equivalent amount of interest free Advance Bank Guarantee. 5% of PO Value for Supply Portion	Instead of 5% of Payment release , would request you to please increase upto 20% of the Project Value.	Tender specification/conditions to be complied.
28	ANNEXURE I Schedule for Items A Page 16 of 63	1 Supply of Hardware for Implementation of Meter Data Management System with 7 years warranty.	1a. Our recommendation is that scope of supply, design, implementation, testing, integration and maintenance of IT Infra Hardware and 3rd party SW license like database, message bus, middleware, JAVA etc. shall be in scope of TPCODL. 1b. The bidder shall provide the MDM sizing estimates and list of 3rd party SW licenses to TPCODL. This would ensure and provide a level playing field to all the bidders in this tender.	Specification to be Complied
29	ANNEXURE I Schedule for Items A Page 16 of 63	2a Base software price and License fee for 3,00,000 end points for Smart Meters 2b. For 40,000 Legacy Meters	Please correct our understanding that the TPCODL shall procure the MDM SW License upfront for 340,000 meters.	TPCODL will take upfront 1 lakh licence for Smart meters & 40K licence for Legacy meters. Subsequently TPCODL reserves the right to procure additional licences in lot size of 50 K for multiple lots. Bidder should design solution accordingly to accommodate future Smart meters deployment upto 10 Lakh meters.
30	ANNEXURE I Schedule for Items A Page 16 of 63	2c Incremental at the rate of 50,000 end points for Smart Meters	1a. how many lots of smart meters TPCODL want to procure within 7 years of contract period? 1b. Please correct our understanding that the price of each lot will be incl. of MDM license and M&S for 7 years 1c. Please let us know how TPCODL want to evaluate the price per lot as part of financial evaluation. Note: Lot = 50,000 end points	1a. 6 lots 1b. Yes It should be all inclusive. 1c. Prices for additional licenses (future requirement) shall be considered in commercial evaluation. Kindly refer to corrigendum-1. TPCODL reserves the right to order any quantity as per their business requirements.
31	ANNEXURE I Schedule for Items A Page 17 of 63	3 Cost of Integration with HES, SAP, etc. and changes at SAP end for modification in the existing as well as new process workflows/ Report/ MIS/ Customer Portal, etc.	1a. Please provide detailed scope of Integration of SAP changes at SAP end for modification in the existing as well as new process workflows/ Report/ MIS/ Customer Portal, etc.? 1b. Please also provide the list of system to be integrated with MDMS system	1a. To be shared during blue printing stage. 1b. Refer to Tender clause no 1.18
32	ANNEXURE I Schedule for Items A Page 17 of 63	4 Inclusion of SAP Safeguarding Package (Minimum 50 Man Days) to de-risk the development/ changes/ integration aspects pertaining to the SAP Landscape	1a. Is it mandatory for bidder to have SAP safeguarding package if Bidder or its partner is SAP certified partner and having SAP ISU experiences? Please confirm 1b. Please provide the detailed scope of development/ changes/ integration aspects pertaining to the SAP Landscape	To be ignored

33	ANNEXURE I Page 17 of 63		In case bidder want to integrate the MDM with SAP ISU using standardized SAP adapter, there is need of SAP AMI license at SAP side. Our request to TPCODL to have 2 (two) separate line item in current schedule for items for SAP AMI licenses for 300,000 smart meters and also incremental 50,000 end points so that Bidder can provide price.	SAP AMI licences shall be provided by TPCODL.
34	ANNEXURE I Schedule for Items Pg 18	The bids will be evaluated commercially on the overall lowest cost basis.	We request you to amend the clause: Evaluation shall be based on QCBS in terms of 70% of technical score and 30% of Commercial score. For Quality and Cost based Evaluation (QCBS), the following formula will be used for the evaluation of the bids. The scores will be calculated as: $B_n = 70\% * T_n + 30\% * (C_{min}/C_b)$ Where i. B_n = overall score of bidder under consideration. ii. Calculated up to two decimal points iii. T_n = Technical score for the bidder under consideration. iv. C_b = Actual price quoted by the bidder. v. C_{min} = Lowest price among the financial proposals under consideration.	Specification to be complied
35	ANNEXURE I Schedule for Items; Pg 16	Supply of Hardware for Implementation of Meter Data Management System with 7 years warranty.	We undertand that the MDMS is a software application. Please elaborate on the hardware envisioned by the client. We request you to kindly keep the scope of hardware supply to be out of the scope of the MDMS OEM and System Integrator. The system integrator and the MDMS OEM shall recommend the system sizing specifications which can be procured by Tata power through their own procurement guidelines.	Specification to be complied
		Hardware Requirement and Sizing	Can we assume that the Oracle or any DB is in place with TATA POWER ODISHA to accommodate the required MDM and relevant Integration Storage. THE DB License is always issued to the Client's Name.	It should be part of bid & TPCODL will be ready to sign it. It is true for license as well as storage.
36	1. Scope of Work Page 4 of 33	• Integration with Current SAP Landscape and its existing business processes	Please provide the detailed scope, use case and workflows for this current requirement	Please refer SAP related document
37	1. Scope of Work Page 4 of 33	• Virtual Metering for Customer Service, BI, Energy Audit and Network planning purpose.	1a. Please provide the scope, use cases and workflows for Virtual metering 1b. We understand that MDM to provide the meter read data to mentioned system like BI, Energy Audit, etc. Please confirm.	Some of the use cases are Open Access Billing determinat Calculation, Energy Audit, Summation MDI rest will be discussed during Blue printing stage.
38	1. Scope of Work Page 4 of 33	Pre-payment Module / Support (Integrating with SAP Modules)	1a. Please confirm our understanding is that MDM will provide Meter reads data to an existing SAP Prepayment application or 3rd party Pre-Payment solution at TPCODL. 1b. Please also confirm that prepay application is not in scope of bidder 2. How many channels are used for Prepay? (e.g. 1 Active Energy-kWh, 1 MaxDemand-kWh) 3. How often Prepay will receive data from MDMS ("data collection") per day (e.g. once a day) ? 4. Which format will Prepay receive from MDMS: "Register Reads" or "Interval Data"? (e.g. Interval data). 5. Will there be Time-Of-Use (TOU) tariffs used? (e.g. yes) 6. In case TOU used: How many Time-Of-Use (TOU) windows will be: a) during one day? (e.g. none or 3 – onpeak, offpeak, standard)	1a Please refer SAP related document 1b. Please refer SAP related document 2. Please refer HES & Meter specification. 3. Will be discussed during detailed Engineering, however it is once per day. 4. For pre paid it will be 10 register, however final requirement will be freedged during detail engineering. 5. Yes 6. Currently two TOU are used, however system should be configurable to change as per regulatory requirement.
39	1. Scope of Work Page 4 of 33	Demand Response Management	1a. Please confirm our understanding that MDMS to be integrated with existing or 3rd party DRMS module. 1b. Please also confirm that DRMS application is not in scope of bidder 2. Please provide the information about the number of consumers that will be connected for DR program and what information to be exchanged between and DRMS?	1a. Yes MDMS to be integrated with 3rd Party DRMS module. 1b. It is not in the scope of Bidder. 2. No of consumers is not mandatory being a futurastic project.
40	Scope of Work (clause 1.0 Pg 4/33)	"Analytical module to handle logics for handling data from different sources to device business logics"	Please specify what analytics functionality is being referred here?	will be discussed during Blue printing stage.

41	1. Scope of Work Page 4 of 33	• Complete source code of MDMS should be handed over to TPCODL along with training of TPCODL staff for same.	We request TPCODL to remove this requirements as we can not provide source code or any IPR of MDMS to TPCODL any training related to source code of MDMS.	Bidder has to provide the knowledge transfer of complete functioning of MDMS system & any kind of Certification training on the MDMS product shall be provided to minimum 5 employees.
42			Request to please reconsider this as this will be an IP issue for all COTS providers.	It should be part of bid & TPCODL will be ready to sign it. It is true for license as well as storage.
43	1. Scope of Work Page 4 of 33	• Virtual Metering – Use case: a. Handle Input meter data (ABT meters) b. Calculating co-incident demands with time stamping. c. Processing of Bulk supply bill (15 min interval input data) d. Reliability Index calculation	Please provide more information on each use cases	will be discussed during Blue printing stage.
44	1. Scope of Work Page 4 of 33	• Universal Calculation Engine with Mathematical, Logical and Statical Operators	Please confirm our understanding that the MDM should provide meter data to existing BI & analytics or ETL tools of TPCODL for this requirement? Please also elaborate the use case of current requirements	All Analytics use case that will be discussed at the blue printing phase will at the scope of the bidder. Bidder has to suitably propose a solution whether to develop the use cases in external BI system or with in Proposed MDMS
45	1. Scope of Work Page 4 of 33	Integration for Real time BI system & Standard ETL Process / Tools	Please confirm our understanding that the MDM should provide meter data to existing BI & analytics or ETL tools of TPCODL for this requirement? Please also elaborate the use case of current requirements	All Analytics use case that will be discussed at the blue printing phase will at the scope of the bidder. Bidder has to suitably propose a solution whether to develop the use cases in external BI system or with in Proposed MDMS
46	1. Scope of Work Page 5 of 33	• All parameters as per Meter Specifications should be catered to by MDMS	Please elaborate the current requirement. Please provide information as per attached generic MDM sizing questionnaire document so that we can prepare the server & storage sizing for MDM.	Meter and HES specification to be referred for calculating the data volume.
47	1. Scope of Work Page 5 of 33	This RFP will include supply of all above mentioned modules along with technical specification of required hardware capable to run the supplied software for 3 lakh endpoints with a data storage of 5 years for maximum of 16 channels 15 minutes of interval data along with all other type of meter data.	Please provide information as per attached generic MDM sizing questionnaire document so that we can prepare the server & storage sizing for MDM.	Meter and HES specification to be referred for calculating the data volume.
			Please confirm if all 16 channels will be needed even for residential meters as this will have sizing implications?	Please refer meter specifications for same.
48	1. Scope of Work Page 5 of 33	Bidder has to provide perpetual license along with warranty from the date of project acceptance to Ten years after Go-Live.	1a. Each COTS MDM SW OEM has standard defined warranty period as per End User license agreement (EULA) and further beyond OEM standard Warranty, the bidder can't get support under annual Maintenance support from OEM as per EULA and also from bidder for complete solution perspective. Hence our recommendation is that TPCODL should ammend this clause 1b. The contract period 7 years; hence please ammend the same	specification to be complied
			Since the contract period is for 8 years. Please help us in understanding the expectation of 10 years here.	10 years to be read as 8 years.
			Please confirm if this is a ten year deal as the license requirements will be considered accordingly?	Specification to be complied.
49	1. Scope of Work Page 5 of 33	Bidder should also provide all the updates free of cost during warranty and FMS period.	Please correct our understanding that the bidder provide the MDM SW updates till contract period; however the implementation, testing and integration of new updates, upgrades, patches of MDM SW should be dealt in change request basis.	Bidder to consider any change request during AMC period without any additional cost.
50	1. Scope of Work Page 5 of 33	Bidder should also provide the required training to the users for operating, developing system and administrative training to selective persons for running system after support period free of cost.	Please provide the detailed scope, duration and no. participants for Training on MDM	Bidder has to provide the knowledge transfer of complete functioning of MDMS system & any kind of Certification training on the MDMS product shall be provided to minimum 5 employees of TPCODL
51	1. Scope of Work Page 5 of 33	Bidder has to provide all the supporting 3rd party software which it recommends for operation of the system free of cost till the end of FMS period.	1a. 3rd party SW should be in scope of TPCODL 1b. Each SW OEM has standard defined warranty period as per End User license agreement (EULA) and further beyond OEM standard Warranty, the bidder can get support under annual Maintenance support from OEM as per EULA and also from TPCODL for 3rd party SW. Hence our recommendation is that TPCODL should consider the same	Specification to be complied
52	1. Scope of Work Page 5 of 33	The bidder shall provide 7 years onsite warranty after user acceptance of all supplied, installed, configured and commissioned system.	1a. MDM SW OEM has standard defined warranty period as per End User license agreement (EULA) and further beyond OEM standard Warranty, the bidder can't get support under annual Maintenance support from OEM as per EULA and also from bidder for complete solution perspective. Hence our recommendation is that TPCODL should consider the same	Specification to be Complied

53	1. Scope of Work Page 5 of 33	Any software updates, upgrades, patches released till the completion of warranty period shall be supplied, installed and commissioned under scope of agreement / PO / RC.	1a. Please correct our understanding that the bidder provide the MDM SW updates, upgrades, patches till contract period; however the implementation, testing and integration of new updates, upgrades, patches of MDM SW should be dealt in change request basis. 1b. Please confirm our undersnading that TPCODL shall provide and maintain the 3rd party SW and IT Infra HW to support deployment of new MDM software updates, upgrades and patched during contract period	Bidder to consider any change request during AMC period without any additional cost. This will include installation, testing, commissioning as well.
54	MDMS Functional Requirements: Page 6 of 33	3. MDMS features and functionalities shall comply to IEC-61968-9, latest edition, for interfacing with other upstream and downstream systems a framework to achieve interoperability between those systems. It will be responsibility of the bidder to integrate MDMS with other systems deployed in TPCODL as specified in this document.	Please confirm whether TPCODL shall provide data from upstream and downstream system in required MDM format and bidder shall take the responsibility to translate the messages to and from EnergyIP.	No, Upstream and Downstream system data will be available As is, where is basis. The bidder has to take the responsibility of translating the messages as suitable for the proposed MDMS solution
		MDMS is on Onsite server	We request the client to consider MDMS to be deployed on cloud.	Specification to be complied
55	Clause 1.1.2 MDMS Functional Requirements Pg 6/33-Pt 1	"The MDMS system shall support multiple Head-end-System (HES)-AMR / AMI System integration"	Please confirm if there will be multiple HES in the ecosystem even after the unified HES is in place .Is the MDM required to interface with unified HES or more than one HES? In case more than one -kindly specify other HES in the ecosystem.	Specification to be complied.
56	Clause 1.1.2 MDMS Functional Requirements Pg 6/33	Point 2	We would like to request for details of SAP ISU Modules ,SAP AMI licenses that currently exist in the utility eco-system	1. SAP AMI licenses will be provided by TPCODL 2. Pls refer SAP related document
57	Clause 1.1.2 MDMS Functional Requirements Pg 7/33	Pt 14 The MDMS shall detect multiple flags during any technical validation performed during meter data import including Meter hardware/firmware failures, Communication errors	In our experience some of these functionality is best managed at the HES level and is not a typical MDM function-please consider accordingly.	Ok Point accepted, How ever if any flags are passed on by HES to MDM, these flags are to be stored in MDMS
58	Clause 1.1.2 MDMS Functional Requirements Pg 7/33- Pt 35	"Outage messages passed on by MDMS should minimize the outage traffic to upstream Outage Management System (OMS)"	In our experience the more optimal way of handling outage notifications is by using outage event filters at HES level and have the integration to OMS from HES to avoid latency. Suggestion for the utility to consider.	Specification to be complied.
59	11.Clause 1.1.2 MDMS Functional Requirements Pg 9/33	Point 46 - The MDMS application shall supported an Oracle Database	We would like to request to provide option of both SQL/Oracle	Specification to be complied.
60	1.1.2 MDMS Functional Requirements Pg 9/33- Pt 47	The MDMS shall run on an enterprise Red Hat Linux operating system of enterprise version	We would like to request the utility to please consider Windows OS as well.	Specification to be complied.
61	1.1.2 MDMS Functional Requirements Pg 10/33-	Pt 54 The MDMS shall provide a customer portal offering	Customer portal is typically a separate 3rd party product and MDM can integrate with the same. Request utility to confirm if the expectation is to include customer portal in this RFP or only integration part to be factored?	Only integration will be in the scope of bidder.
62	1.1.2 MDMS Functional Requirements: Pg 71	The MDMS shall have the ability to request specific, current or historical data from the meter.	Kindly specify the number of days that data needs to be stored.	5 years of data of the meters to be retained.
63	MDMS Functional Requirements: Page 9 of 33	50. The MDMS shall align to Indian Guidelines for Smart Grid Cyber Security	Please provide the details.	Interfaces are preferably CIM compliant
64	1.1.3 Mandatory Requirement: Page 10 of 33	6. Bidder should be capable of integration of existing Revenue protection logics of TPCODL and should also be capable of catering to future requirement and changes in addition to their standard revenue protection module.	We request TPCODL to provide the Revenue protection logics , workflows and use cases if any	To be shared during bluprinting stage.
		Bidder should be capable of integration of existing Revenue protection logics of TPCODL-Is there an existing system for handling revenue protection	Please specify	To Be discussed in detail in blue printing phase.

65	1.2.2 Cyber Security Page 12 of 33	Bidder to ensure that there is "Zero" cyber security breach at HES while the data is travelling from meter to the output of HES.	This is HES requirements and not MDM. Please update the same	To be ignored
			Shouldn't this be a part of HES.	Noted.
66	System Environments Page 11 of 33	Bidder should provide all related IT- Infra requirement (Servers, switch, racks,routers, database license, Operating system License, storage, Security solution (like reverse Proxy), Gateway servers, etc.) in following format mentioned in table no.1.8. The IT infra requirement should be provided after considering existing IT infrastructure compatibility with TPCODL as defined in Table A. Bidder are requested to study existing TPCODL infrastructure, with TPCODL IT team before submission of the Bid document, if required. If any changes in existing IT infra is required for integration with proposed solution the bidder should separately specify the same to TPCODL. The suggested IT-Infra should be able to support the suggested systems for seven years.	Our recommendation is that the TPCODL should provide and maintain IT- Infra requirement (Servers, switch, racks,routers, database license, Operating system License, storage, Security solution (like reverse Proxy), Gateway servers, etc., communication links etc)	Specification to complied
67	System Environments Page 11 of 33	The Proposed hardware infrastructure should be for TPCODL's primary and secondary datacenter considering DR replication. Within the completion of project i.e user acceptance, the final bidder will conduct one DR drill in which complete MDMS solution should work from back up datacenter with least impact to users • IT hardware	We understand that TPCODL will provide the communication links for DC , DR and other locations connectivity to meet SLA & performance	1. DR will be implemented at a later stage. 2. Bidder to quote price for implementing seperately & same will be considered in price bid evaluation. 3. Connectivity between DC/DR & other ITOT systems will be in TPCODL Scope.
68	1.3.2 System Sizing and Scalability Page 13 of 33	Scalability: Users accounts should be easily added as system grows. There should be no upgrade involved and no pre-defined limits upto a maximum of 500 users with different roles.	Please provide the no. of users to connect the proposed MDM system, cosumer portal, Analytics, prepay etc.	100 Concurrent users and 1000 total users
69	1.4 Solution for Meter Data Management General: Following functionalities are required in MDMS Page 16 of 33	• Should have revenue protection module with TPCODL defined logics.	Please provide the TPCODL logics, workflows and use case	To be shared during bluprinting stage.
70	1.4 Solution for Meter Data Management General: Following functionalities are required in MDMS Page 16 of 33	• Device management support.	Please elaborate the scope of Device management support	Device Life cycle from inventory to Asset Retirement (corresponding status of the device to be mapped in MDMS for tracking purpose)
71	1.6 Meter Data Processing and Analysis Revenue Management Page 17 of 33	4. Analyze potential tamper events as per Legacy logics of TPCODL which will be shared during project implementation phase. This will required Universal calculation Engine with Logical, Mathematical and Statistical operators	Please provide the TPCODL legacy logics, workflows and use case	Shall be provided during detail engineering.
72	1.6 Meter Data Processing and Analysis Revenue Management Page 17 of 33	5. System should be able to run different custom defined logics for capturing revenue leakage.	Please provide the TPCODL logics, workflows and use case	Shall be provided during detail engineering.

73	1.13 Meter Asset Management Pg 20/33	"Track and maintain meter to communication module and communication module to network connectivity"	In our experience this is better managed at the HES level. Request utility to consider handling this in the HES RFP.	Noted Please
74	1.16 Real-time Applications Support- Pg 21/33	" BI system may want to use real-time data analytics i.e. without transferring the data to other system, but to run the query in the MDMS system along with and/or logical joining of other data sets."	Request to specify the scenarios where this will be needed.	To Be discussed in detail in blue printing phase.
75	2.5 Customers with AMR Pg 25/33 - Daily Bill Read Request	"MDMS shall send to C&I Customer AMR manually collected read request for daily read for a specified meter."	Please confirm if the MDM will be the initiator of this request ?	Yes MDM to initiate the request.
76	2.6 Demand Response/Load Management System (DR/LMS) Page 25 of 33	<ul style="list-style-type: none"> • Demand Response events, start & end date/time. DR/LMS system shall send to MDMS demand response events including start and end date/time to reduce demand when the system demand is likely to be highest. • Load Profiles. MDMS shall send to DR/LMS system load profiles for analyzing DR events. • MDMS should be able to create baseline profile for customers through custom defined algorithms based on past data available in the MDMS system. 	<p>1a. Please correct our understanding that the MDMS systems shall be integrated with TPCODL DRMS/ADR systems.</p> <p>1b. Does TPCODL have a DRMS? If yes, what make. If no, then is TPCODL expecting a DRMS solution or custom application over MDMS to support DRMS requirements? Please confirm</p> <p>1c. Baseline profile creation is a feature of DRMS and not by MDMS.</p> <p>1d. how many consumer will be participating in DR program out of 350,000 meters?</p>	Futuristic requirement
77	4. Evaluation Criteria: 5 PRE-DEMO Page 29 of 33		for Pre-demo, we request at-least 30 days from technical bid opening	Specification to be Complied
			in case of Change in Laws, the tender is silent. Hence we want to take a deviation to allow any adjustments in contract price or time caused due to change in laws during execution of the contract	Deviation to the extent of change in laws w.r.t applicable Taxes & Duties can be proposed.
			In case of delays by TPCODL, the tender is silent. Hence we want to take a deviation to allow Bidder to claim EOT as well as caused due to delays by the TPCODL.	To be mutually agreed during execution of the contract.
78	GCC Clause 26.3 Order of Priority Page 24 of 104		SCC not shared with MDM tender, please clarify whether the same is applicable if yes, then please share the same	Pls refer Particulars 1-8 in Contents of the Enquiry (Page 4 of tender document)
79	8.0 Security cum performance Deposit 111/228	Security Performance Bank Guarantee (SPBG)	<p>1. SPBG will be the only BG to be provided. Equipment Warranty Bank Guarantee (EWBG) to be excluded.</p> <p>2. SPBG to be submitted preferably as per our Format.</p>	Tender specification/conditions to be complied.
80	6.0 Terms of Payment 108/228	A. Advance of 5%	ABG to be provided for equivalent percentage of Advance. i.e. 5% ABG to be provided for 5% advance / 15% ABG to be provided for 15% advance. ABG should be as per bidders ABG format.	Tender specification/conditions to be complied.
81	6.0 Terms of Payment 108/228	D & E	Interest clause to be added in terms of payment (TOP), in case there is any delay from TPCODL beyond 10 working days with respect all approvals, clearances required for each milestone by the associate.	Tender specification/conditions to be complied.
82	6.3 Payment & Statutory Deductions 110/228	Wages	In case any non-compliance to contract conditions comes to TPCODL's notice, TPCODL will be entitled to deduct 30% of estimated wages plus 20% of wages as TPCODL's overheads. - Wages are not applicable for this contract, as there will not be any labour involved for this project. Please confirm the same.	Noted
83	14.3 GCC Composite Works 119/228	Re-warranty	Page No 17 (NOTE) - The bidder shall provide 7 years of onsite warranty after user acceptance of all supplied, installed, configured and commissioned system including hardware and software. - Check the acceptability of 7 years warranty.	Specification to be Complied
84	14.2 Guarantee Period 119/228		<p>In case of no mention of the guarantee period in standard specifications or SCC, Guarantee Period will be 15 Months from the Date of Commissioning or 24 months from the date of delivery of final lot of supplies made, whichever is earlier.</p> <p>Contradicting to the point mentioned in Page No 17 (Note), as mentioned above. Correct applicability to be checked.</p>	Pls refer Order of Preference/Contradictions. Terms of SCC supercedes GCC to the extent of any contradictions.
85	Additional Point - Suggestion/ Request		For MDM deployment we would request to consider PQ as "Proposed MDM product must be in the Leader quadrant for last 5 years from leading analyst e.g. Gartner / Navigant"	Specification to be complied.

