



**TP WESTERN ODISHA DISTRIBUTION LIMITED**  
(A Tata Power and Odisha Government Joint Venture)  
Corporate Office: Burla – 768017 ,www.tpwesternodisha.com

NIT No.: TPWODL/PM/O/SER/011

**Procedure for Participating in Tender**

<b>Tender Enquiry No</b>	<b>Work Description</b>	<b>EMD (Rs. Lakh)</b>	<b>Tender Participation Fee (Rs)</b>	<b>Last date and time for Payment of Tender Participation Fee</b>
TPWODL/PM/O/SER/011	Smart Meter Project at TPWODL	15	5900	02.06.2021 15:00 hrs

Following steps to be done before “Last date and time for Payment of Tender Participation Fee” as mentioned above.

1. Eligible and Interested Bidders to submit duly signed and stamped letter on Bidder's letterhead indicating.
  - A. Tender Enquiry number
  - B. Name of authorized person
  - C. Contact number.
  - D. e-mail id
  - E. Details of submission of Tender Participation Fee
  - F. GST Number
2. Non-Refundable Tender Participation Fee, as indicated in table above, to be submitted in the form of direct deposit in the following bank account and submit the receipt along with a covering letter clearly indicating the Tender Reference no:

**Beneficiary Name: TPWODL Expenditure Account**  
**Bank Name: Union Bank Of India**  
**Branch Name: Sambalpur Naya Para**  
**Address: At/Po: Sambalpur, Dt: Sambalpur, Odisha-768 001**  
**Branch Code: 536521**  
**Account No.: 365201010033244**  
**Account Type: Current**  
**IFSC Code: UBIN0536521**

E-mail with necessary attachment of 1 and 2 above to be send to & [vaishali.kachare@tatapower.com](mailto:vaishali.kachare@tatapower.com) & [pradosh.moharana@tpwesternodisha.com](mailto:pradosh.moharana@tpwesternodisha.com) with copy to [mrpatel@tatapower.com](mailto:mrpatel@tatapower.com) & [harish.sharma@tpwesternodisha.com](mailto:harish.sharma@tpwesternodisha.com) before “Last date and time for Payment of Tender Participation Fee”.

Interested bidders to submit Tender Participation Fee and Authorization Letter before Last date and time as indicated above after which link from Tata Power E-Tender system (Ariba) will be shared for further communication and bid submission. Please note that link will be shared not later than 2<sup>nd</sup> June 2021 15:00 hrs.

Please note all future correspondence regarding the tender, bid submission, bid submission date extension, Pre-bid query etc will happen only through Tata Power E-Tender system (Ariba).

No e-mail or verbal correspondence will be responded. All communication will be done strictly with the bidder who have done the above steps (Payment of tender fee and submission of letter with requisite details) to participate in the Tender.

Also it may be strictly noted that once date of "Last date and time for Payment of Tender Participation Fee" is lapsed no Bidder will be sent link from Tata Power E-Tender System (Ariba). Without this link vendor will not be able to participate in the tender. Any last moment request to participate in tender will not be entertained.

Any payment of Tender Participation Fee / EMD by Bidder who have not done the pre-requisite within stipulated timeline will not be refunded

**3. Additional technical details:** (Please refer the following pages for details)

This tender is to offer End to End Smart Metering Solution comprising of Design, Engineer, Supply, Installation, Integration, Commissioning and Facility Management Services (FMS) (for a period of 1 years from the date of last meter getting commissioned, subject to minimum success rate of 90%, of total installed meters, in preceding month) of ~ 60,000 to 80,000 (Exact quantity may vary) Smart Meters of different types. The detail scope covers setting up the Communication System, Head-End System, Meter Data Management System and integration with various other existing IT/OT systems of the Discom. The choice of communication system/or mix of communication technologies shall be appropriately suggested to lower the overall operational expenditure in the lifetime of the project.

Bidder shall implement the TPWODL Smart Meter Project, and there after operate and maintain the system for 1 year (2 Years Implementation period + 1 Year FMS)

<b>Package Description: Supply Installation, Testing, Commissioning, Integration and Operation &amp; Maintenance (FMS) of Smart Meter Solution</b>			
<b>Details:</b>			
<b>Pre-Qualification Requirement (PQR) - Please note that the PQR is for information only and the documentary evidence to ascertain meeting of the requirement has to be submitted along with the bid and not along with the tender fee.</b>			
<b>Sr No</b>	<b>Parameter</b>	<b>TPWODL Requirement</b>	<b>Documents to be submitted by Bidder</b>
A	Options for Bid submission	<p>Bidder may be either Original Meter Manufacturer (OEM) OR System Integrator (SI) OR Authorized dealer of Original Equipment Manufacturer ( OEM) OR Consortium of Meter Manufacturer &amp; System Integrator. Joint Venture Companies can also participate. Bidder should meet qualifying requirements stipulated in any one of the qualifying options i.e.</p> <p>1. Option 1 - Meter Manufacturer and System integrator through Consortium. Here, the Meter Manufacturer shall meet all the criteria for Meter Manufacturer and the System Integrator shall meet the criteria for System Integrator. Either the Meter Manufacturer or the System Integrator can be Lead Bidder. The overall liability of execution of the contract shall lie with Lead Bidder. In addition to above, the criteria mentioned in General Pre-Qualification requirements shall also met.</p> <p>2 Option 2- Authorized dealer of Meter Manufacturer (OEM) and System Integrator through consortium, Here, the Meter manufacturer shall meet all the criteria for Meter Manufacturer and the System Integrator shall meet the criteria for System Integrator. Either the Authorized dealer of the Meter Manufacturer or the System Integrator can be Lead Bidder The overall liability of execution of the contract shall lie with Lead Bidder. In addition to above, the criteria mentioned in General Pre-Qualification requirements shall also met.</p> <p>3. Option 3 - Meter Manufacturer on Stand -Alone basis, wherein the meter manufacturer meets the Pre-qualification requirement for Meter Manufacturer and System Integrator, both. In addition to above , the criteria mentioned in General Pre-Qualification requirements shall also met OR System Integrator on Stand -Alone basis , wherein the system integration meets the Pre-qualification requirement for Meter Manufacturer and System Integrator, both In addition to above , the criteria mentioned in General Pre-Qualification requirements shall also met</p>	Bidder to submit the Consortium Agreement. Authorized dealer to submit Letter of Authorization.
B	General Pre-Qualification Requirements (applicable to Meter Manufacturer and System Integrator)		
1		Criteria for Authorized dealer of Meter Manufacturer - Bidder should be an authorized dealer/ implementation partner of Meter Manufacturer (OEM) .	Certificate of authorization.
2		The Bidder/ Lead Bidder (in case of consortium) must be a single entity having at least one permanent establishment of its own office, India; registered in India under companies Act 1956 or Companies Act 2013, or firm registered with Registrar of firms and societies in	Certificate of Incorporation and Registration certificate along with Memorandum & Articles of Association.

		India who fulfills the eligibility criteria.	
3		The Bidder/members of consortium should not have been blacklisted by any electricity distribution utility and still in force.	Undertaking to be provided
4		Minimum Average annual turnover Rs. 300 Crores for each of the last three financial years ending 31 <sup>st</sup> March 2020.	Profit and Loss Statements, Balance Sheet, Cash Flow Statements for the Three (3) preceding financial years duly audited and approved by Authorized Audit Firm / CA
		[In case of consortium, the average annual turnover of Lead bidder and Consortium partner shall be considered jointly to meet the above requirement]	
		Net Worth for last three Financial Years (FY 2017-18, 2018-19, 2019-20) should be positive. Net worth means the sum total of the paid up capital and free reserves (excluding reserves created out of revaluation) reduced by aggregate value of accumulated losses (including debit balance in profit and loss account for current year) and intangible assets.	
		[In case of consortium, both the partners are bound to satisfy the above clause individually]	
C	Pre-Qualification Requirements for Meter Manufacturer (OEM)		
1	Technical Experience - Meter Manufacturer	Bidder(s) should be in the business of manufacturing Static Energy Meters and should have state of the art facility in India. Should be in this Business for at least 10 years in India as on date of Bid Submission.	Factory License Certificate/ MoA mentioning nature of Business.
		Bidder should have implemented project/(s) which include the Supply, Installation, Commissioning of Meters with inbuilt / Modular / external communication module, and associated DCU / Gateway/ Router/GPRS (As applicable) and MDAS / HES application for 1 Lakh Meters - in last 7 years.	Individual Client's PO/ WO/ LOI/ LOA/ Contract/ Certification on client letterhead. Performance certificate and contact details of client's needs to be submitted.
2	BIS Certification.	Smart Meters offered shall have Certification as per IS:16444 with latest amendment.	Copy of Certificate for the Smart Meter offered should be furnished.
3	In-house Testing Facility	The bidder should have in-house Testing Facility for last 3 years.	A valid registration certificate
			mentioning issue / renewal / expiry date
4	Capacity	Bidder(s) should have experience of manufacturing and supply of static electricity meters/smart electricity Meters.	Proof of Work order & performance certificate/ work order completion certificate to be submitted.
		• Minimum of 5 Lac of Single phase meters or 1 Lac Single Phase Smart Meters per annum.	
		• Minimum 1 Lac Three phase Whole Current Meters or 20,000 Three Phase Smart Meter per annum.	
		• Minimum 10,000 LTCT TVM or 2,000 LTCT Smart Meter per annum.	
5	Quality	The vendor should have valid ISO9001 & 14001 for the manufacturing facility.	ISO Certificate.
D	Pre-Qualification Requirements for System Integrator (SI)		

1	Technical Experience - System Integrator (SI)	System Integrator must have successfully executed AMI/AMR projects (Consists of Smart Meters, DCU/Gateway/Router/ GPRS Access Point and HES) with cumulative installation base of Minimum 1 Lac end points in the last 5 years till the date of publication of this tender.	Client's PO/ WO/ LOI / LOA/ Contract/ Certification on client Letterhead / Performance certificate and contact details of clients.
2	Technical Experience - Communication Service Provider.	To showcase interoperability & integration with Multiple Meter Manufactures, the communication service provider must have successfully integrated with meters of at least 2 manufacturers in India till HES and/or MDMS	Client's PO/ WO/ LOI / LOA/ Contract/ Certification on client Letterhead / Performance certificate and contact details of clients.
		The undertaking should be given that they have capability of integrating with various manufacturers as the case may be.	MOU / Certificate from Meter Manufacturers and Certificate from Power Distribution Utility mentioning use of three different make of Meters on single RF Mesh Network/GPRS/PLC etc.
3	Technical Experience - HES	The HES provider must have following deployment capabilities in National/International Utilities:-	Purchase order/Completion/ Go-live certification from client. Client certificate (with contact details) for supply and successful operation of the Head End System. TPWODL reserves right to contact/visit such client during evaluation of this tender response.
		Successfully Commissioned cumulative 5 Lakh or more end points in AMI/AMR projects, with Minimum 50 thousand end Point under AMI.	
		Single Large AMI/AMR deployment experience of at least 1 Lac meters, with RF or GPRS.	
		At least 3 different meter brands integrated to Head End System on 4G/3G/2G/NBIOT.	
		Successful integration of HES with MDM system.	
The AMI project should be successfully operating for last one year.			
4	Technical Experience - MDM	MDM Should be COTS (Commercially off the shelf) Product having successful operations of proposed MDM in 2 National/International Utilities. The MDM should have successfully integrated (thorough out of box product approach) cumulatively for at least 10 Lac end points.	Purchase order/Completion/ Go-live certification from client. Client certificate (with contact details) for supply and successful operation of the MDM system. TPWODL reserves right to contact/visit such client during evaluation of this tender response.