The Tata Power Company Ltd		*CORRIGENDUM TO OPEN TENDER NOTIFICATION*
Tender Reference: ***4100073948/CC27ADO018***		Document Date: **23rd November 2026**

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Corrigendum - 1

(Tender Ref No: 4100073948/CC27ADO018 - Outline Agreement (OLA) for supply of HT Smart Meters for Mumbai Distribution.

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Contents of this document are as follows:

1) Reply to Prebid Queries

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Sr. No.	Detailed Reference to concerned Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	Tata Power Response
1	Bidders to note that – Bidders shall submit 3 nos. of sample meters strictly as per the specification mentioned in the tender document at Dharavi office before the bid submission date. Bid may be rejected technically in case sample meters, as described above; are not submitted before bid submission date. Address for meter submission is: Meter Management Group (MMG) The Tata Power Company Limited, Dharavi Receiving Station, Near Shalimar Industrial Estate, Matunga, Mumbai 400 019, Maharashtra. Contact Person: Ms. Himali Patel Email ID: himali.patel@tatapower.com			
2	Please refer, Clause no. 8, 'Terminals, Terminal Block, Page No. 8-15 of 40	Terminal block should be in single mould with meter body base. (Not separate)	Kindly note that terminal block shall have top sliding arrangement with proper grooves and after fixing the meter cover it becomes integral part of the meter. Kindly we request you to provide the acceptance for the same.	The same shall be evaluated during tender sample testing.
3	Please refer, Clause no. 8, 'Terminals, Terminal Block, Page 4-6 of 40	Depth of the terminal holes shall be of 25 mm. Similarly in clause no. 4.27 "GENERAL TECHNICAL REQUIREMNTS" it is mentioned that Depth of the terminal holes 20mm.	Kindly note that depth of terminal holes shall be as per manufacturer design. Kindly we request you to accept he same as per IS 13779.	The same shall be evaluated during tender sample testing.
4	Please refer, Clause no. 8, 'Terminals, Terminal Block, Page. 8-16 of 40	Terminals shall be preferably of MS cage clamp type as per IS: 15707or of flat end screw with at least 9 mm dia. of screw for better contact area.	We request you to please also accept extruded Brass terminal with M4 flat end terminal screws.	The same shall be evaluated during tender sample testing.

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5	Please refer, Clause no. 8, 'Terminals, Terminal Block, Page. 8-16 of 40	Terminal Block Terminal screws shall be of Zinc plated MS bottle type.	We request you to accept the Harden Brass terminal Screw.	The same shall be evaluated during tender sample testing.
6	Please refer, Clause No. 4.35 Meter Dimension in MM, Page. 4-7 of 40	Meter Dimension in MM: Is not more than 250L*200W*100H	LXWXH: 280mm x193mm x 105 mm approx. (With Terminal Cover). Kindly We request you to provide the acceptance for the above dimensions also.	Tender specification to be complied.
7	Please refer, Clause No. 4.31 Software and communication compatibility, page no. 21,61,101 of 202 & Page 4-7 of 40	It should be plug-in type and field hot swappable with cellular technology NIC of all type of meters of same make.	Module hot swappable will be of same make and technology, kindly we request you to provide the acceptance of the same.	Tender specification to be complied.
8	Please refer, Clause No. 4.31 Software and communication compatibility, page no. 24,64,104 of 212, & Page 4-7 of 40	The bidder shall supply software required for communication though local (CMRI and BCS software)	We will provide mobile app and BCS for the same. Kindly we request you to provide the acceptance for the same.	OK
9	Please refer, Clause No. 4.32 Calibration, page 24,64,104 of 212 & Page 4-7 of 40	Change in display setting shall be done through firmware upgrade by means of BCS/CMRI/Mobile app and remotely over the air (OTA).	Meter display can be change automatically as per provided in specification mode wise If any additional parameters are required to be add or delete on meter display then it will be provided by FOTA, Programmable parameters will be a per IS 15959 part 3.	OK
10	Please refer, Clause No. 4.39 Communication module of meter for AMI, page 25, 65, 105 of 212 & & Page 4-7 of 40	Support for upgrade to 5G should be there without replacing the meter. Meter should be able to provide required power supply to NIC card.	We will provide 4G fallback 2 G technology module now, we need to change the hardware to upgrade into 5G technology, so this is not possible with same PCB. kindly delete the requirement.	Tender specification to be complied.

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11	Please refer, Clause No. 4.42 Harmonics recording, page 25,65,105 of 212 & Page 5-8 of 40	The meter shall generate a flag/event log whenever the threshold (user configurable) of the 5% THD of the load current and voltage is breached	THD event will provide as per factory programmable. Event can be configured via firmware upgrade only. Kindly we request you to provide the acceptance for the same.	Tender specification to be complied.
12	Please refer, Clause No. 5.4 Abnormal and Tamper conditions: page 27,67 of 212 & Page 5-10 of 40	The meter shall be able to differentiate between actual CT reversals and condition arising out of unbalanced / unhealthy capacitor bank. Meter shall have neutral CT for tamper identification and analysis.	Neutral CT is not applicable for HT meter, Kindly delete the requirement.	OK
13	Please refer, Clause No. 5.4 Abnormal and Tamper conditions: page 27, 67, 107 of 212 & Page 5-10 of 40	All Transactional / Programming related events to be logged in BCS/HES along with date/time stamping and instantaneous parameters.	parameter will provide as per decided data model before supply of meter. Kindly we request you to provide the acceptance for the same.	Tender specification to be complied.
14	Please refer, Clause No. 5.4 Abnormal and Tamper conditions: CT Bypass, page 29, 67, 109 of 212 & & Page 5-12 of 40	Occ: CT bypass >20% Ib and all Iph < 1%Ib and no current reversal in any phase 30 30 Res: CT bypass <20% Ib	Neutral CT is not applicable for HT meter, so CT bypass event is not applicable for HT meter. Kindly delete the requirement.	OK
15	Please refer, Clause No. 6 General Technical requirements, page 28,68,108 of 202, 1. & Page 6-14 of 40. Measurement/ Computer chips, 2. Memory chips, 3. Display modules, 4. Battery, 5.RTC/Microcontroller	Cyrus Logic, Atmel, Phillips, freescale, NXP South Africa: SAMES Japan: NEC, Singapore: Texas, USA: Atmel, National Semiconductors, Texas Instruments, Phillips, Onsemi Japan: Hitachi, Singapore: Bonafied Technologies Korea: Advantek, EVE / XENO, Mitsubishi or equivalent, Philips , Dallas, Atmel, Motorola	Please accept the components of other make with equivalent quality. Microcontroller have internal RTC functionality so no need for External RTC Components.	Bidder to share list of components make

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16	Please refer, Clause No. 12, Display units, page 37,77,117 of 212 & & Page 12-20 of 40	Display shall have minimum 6 digits before decimal for energy register, 3 digits before & 3 digits after decimal place in the display for demand register	We will provide high-resolution parameter 4 digit before decimal and 4 digits after decimal. Kindly we request you to provide the acceptance for the same.	Tender specification to be complied.
17	Please refer, Clause No. 12, Display units, display 2 parameter, page 38,78,118 of 212 & & Page 12-21 of 40	Instantaneous Neutral Current	Neutral CT is not applicable for HT meter, kindly delete the requirement	OK
18	Please refer, Clause No. 12, Display units, display 2 parameter, page 43,83,123 of 212 & Page 12-21 of 40	Defraud Register Cumulative kWh during ND Tamper (6+2)	We will give defraud kWh only in magnet condition and no need defraud energy during ND due to no effect meter in ND event. Note: - Defraud kVAh energy is not required due to kWh and kVAh are same record. Kindly we request you to provide the acceptance for the same.	OK
19	Page No. 24 /4.31 Software and communication compatibility	The bidder shall supply software required for communication though local (CMRI and BCS software) and remote (AMI) connectivity free of cost and necessary training. For existing meter manufacturer, it should be ensured that all meters (existing non-smart & upcoming smart meters) can be read through one BCS only.	We will provide Mobile app instead of CMRI.	BCS and Mobile app both will be required.

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20	Page No. 26/5.3 Neutral Disturbance	The meter shall not saturate on passage of direct current, which can cause the meter either to stop recording/ record inaccurately. DC injection shall be tested both in phase and neutral. Measurement by meter shall not get influenced by injection of DC signal/ DC pulse	We understand that the DC injection test is applicable only to the neutral element. In this scenario, the system should be immune. If the meter is affected, then goes to `Vref`* actual current * UPF. Please review the clause.	Neutral disturbance event will not be applicable for HT meter.
21	Page No. 27/5.4 Abnormal and Tamper conditions:	All the tamper events i.e. shall be logged in the memory of the meter with date and time stamp of occurrence and restoration along with instantaneous electrical parameter (3ph. Voltage, 3ph. Current, Neutral Current, kWh, kVarh (Lag) (Lead), kVAh Energies, 3Ph. PF.	Tamper snapshot will provide 3ph. Voltage, 3ph. Current, Neutral Current, kWh, kVAh Energies, 3Ph. PF).	Tender specification to be complied.
22	Page No. 27/5.4 Abnormal and Tamper conditions:	Meter shall store cumulative count and cumulative durations all the tamper event which have logged by meter from the date of energization till life of meter.	We will provide tamper duration time under individual tamper conditions.	Tender specification to be complied.
23	Page No. 27/5.4 Abnormal and Tamper conditions:	The cover open tamper detection should be through heavy duty, sturdy micro switch such that it should not Operate on vibration or impact during handling or testing.	Please accept we will provide carbon pad switch this is the tamper proof.	Tender specification to be complied.
24	Page No. 27/5.4 Abnormal and Tamper conditions: and 8.0 Terminals, Terminal Block	Meter shall have neutral CT for tamper identification and analysis. & Meter terminal should have 11pin arrangement consisting of	Neutral CT (4th CT connection) connection not possible for HT-CT meter.	OK

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		neutral and neutral S2 shorted inside the meter.		
Sr. No.	**Detailed Reference to concerned Document. Please specify Document No / Clause No / Page No**	**Description as per Bid Document**	**Query / Clarification / Deviation**	**Tata Power Response**
25	Page No. 30/6.0 General Technical Requirements	The battery cell shall be button/coin type leak proof.	Please accept we will provide 02 nos. battery 01 RTC battery coin type and second cylindrica type.	Tender specification to be complied.
26	Page No. 32/8.0 Terminals, Terminal Block	Terminal block should be in single mould with meter body base (Not separate). After any attempts the terminal block should not be able to disengage, opened or loosen from any side	Meter base and t-block is separate part, but fixed in a manner that once fixed, cannot remove without damaging.	The same shall be evaluated during tender sample testing.
27	Page No. 33/8.0 Terminals, Terminal Block	Depth of the terminal holes shall be of 25 mm	Please accept existing design minimum depth of the terminal holes: 18 mm+-2mm suitable for 1-2A meter.	The same shall be evaluated during tender sample testing.
28	Page No. 35/11.3 Load survey:	Note: Load survey can be configured for 5/15/30 min as per requirement. By default, 15 min SIP is configured.	We will provide Load survey configuration time 15/30/60 min.	Tender specification to be complied.
29	Page No. 45/14.0 Name plate and Marking:	The base colour of Name plate shall be white indelibly and distinctly marked with all essential particulars as per relevant standards along with the following	Please accept that we will provide a blue nameplate with white colour printing.	Tender specification to be complied.
30	Page No. 88/19 Guarantee:	In the event any defect is found by the purchaser up to a period of at least 120 months from the date of last supplies, Bidder shall be liable to undertake to replace/rectify such defects at its own costs,	Please accept Guarantee period 60 months same as previous tender.	Tender specification to be complied. No deviation will be accepted in this clause.

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Sr. No.	Detailed Reference to concerned Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	Tata Power Response
31	Page No. 105/5.1 Magnetic Field:	Abnormal Magnetic field is defined as below; a) Continuous DC magnetic induction: >0.20 Tesla ± 5% (Value of the magneto motive force to be applied shall be generally >10000 AT. b) AC magnetic induction: >10 milli Tesla (if produced with circular metal core with square cross section as specified in CBIP latest report with 2800 AT) c) Permanent Magnet: Immune up to 0.5T and Event logging >0.5T.	Meter will comply the magnet clause as per CBIP325	Tender specification to be complied.
32	Page No. 66/5.2 Electrostatic Discharge (ESD)	The shielding around the meter shall be such that it does not get affected by high voltage, high and low energy impulse when comes in contact with meter from any side. The meter should be immune to high/ low frequency Jammer devices. Meter shall log event in its memory as jammer with date and time stamp along with snapshot	Meter immunity will be as per CBIP325	Tender specification to be complied.
33	4.18 Electromagnetic Compatibility (EMC)	Requirements shall be as per CBIP technical report no 325 (latest amendment)	Testing methods and thresholds specified in IS16444 and CBIP325 are same. There is no need of separate report as per CBIP325. Kindly accept type test report as per IS16444 part 2.	Tender specification to be complied.

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Sr. No.	Detailed Reference to concerned Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	Tata Power Response
34	1 Scope:	This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing, forwarding, supply and unloading at store/site of Three phase four Wire, 3*63.5 V, -/1A current operated ac static meters of accuracy class 0.2S and a two way communication with Head End System(HES)	We understand that HES will be in the scope of TATA Power. Please confirm	Yes. However bidder has to ensure successful integration of supplied meters with Tata Power HES.
35	4.35 Meter Dimension in MM	Is not more than 250L*200W*100H	Offered meter will have dimension in MM 284L*179W*70H with tolerance of ± 5mm	Tender specification to be complied.
36	4.39 Communication module of meter for AMI	It should be plug-in type and field hot swappable with cellular technology NIC of all type of meters of same make.Support for upgrade to 5G should be there without replacing the meter.	Support for upgrade to 5G is not available in meter.	Tender specification to be complied.
37	5.2 Electrostatic Discharge (ESD)	Meter along with NIC shall be immune up to 35 kV and shall record accurate energy as per IS-14697:2021. Meter shall log the event into memory as 'ESD' with date & time stamp for any ESD greater than 35 kV and shall show 'ESD' in the display and should log in suitable compartment (Abnormal Interference at BCS end).	Meter is immune up to 35kV however provision of event logging is not available.	Tender specification to be complied.
38	5.4 Abnormal and Tamper conditions:	Sr. No. 10 Tampers/Failure: ESD/JAMMER/ Abnormal Interference	Event not available	Tender specification to be complied.

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39	5.4 Abnormal and Tamper conditions:	Stamp on FIFO basis. The event which is not restored should not be removed from its meter memory and FIFO should not applicable for unrestored event. The meter shall be able to differentiate between actual CT reversals and condition arising out of unbalanced / unhealthy capacitor bank. Meter shall have neutral CT for tamper identification and analysis.	The tamper conditions will be recorded as per IS 15959 under FIFO basis.	Tender specification to be complied.
40	7 Meter Body:	Meter body shall be made of unbreakable, high grade, fire retardant reinforced Insulating material (protective Class II)with FVo or better Fire Retardant, self-extinguishing, UV stabilize, recyclable and Anti oxidation properties. The minimum thickness of the meter enclosure shall be 2mm.Meter base shall be opaque with polycarbonate LEXAN 500R or better on prior approval from the Purchaser. Meter cover shall be transparent with polycarbonate LEXAN 143R/943A or equivalent on prior approval from the Purchaser. Meter cover & base shall be provided with continuous and seamless Ultrasonic/chemical welding such that it is not opened without breaking the enclosure. Front cover &	In the offered meter, the meter body is not reinforced. The minimum thickness of the meter enclosure shall be 2mm±0.2mm. The meter base and cover will be opaque in nature with polycarbonate LEXAN 143R/943A or equivalent. Meter base and cover will be chemically welded with break to open feature and screw less design.	The same shall be evaluated during tender sample testing.

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		base shall be such that it is not possible to cut & open the meter without certainly damaging the meter body and by no means shall an attempt to reassemble would not leave physical evidence. The damage evidence should be visible externally& should be traceable in such a way that attempts can be proved in court of law. The meter body shall be sealed in such a way that opening of meter base and cover is possible only after breaking the seal(s). Unidirectional screws to be used on meter covers wherever required. However, meter with opaque encapsulated design/integrated base and cover (single enclosure) would be highly preferred, thus nullifying the possibility of opening of meter case. The meter body shall be such that the liquid or chemical shall not reach the electronic part PCB, processor and display from meter terminal and push button. Optical port of meter shall be metallic to hold magnetic optical cord during data downloading locally.		
41	11.1 Billing Information	Current + 12 Month History of Energy (KWH, KVAH, KVARH Lag, KVARH Led, Def KWH, Def KVAH) Current + 12 Month History Consumption (KWH, KVAH, KVARH Lag, KVARH Led, Def KWH, Def KVAH)	Meter has provision to log Def KWH however Def KVAH is not available.	OK

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42	8.2 Sealing of meter	Reliable sealing arrangement shall be provided to make the meter tamper evident and to avoid fiddling or tampering by unauthorized persons. For this, one number Polycarbonate seal left side and one number Hologram seal on right side shall be provided by the Bidder. Additional Hologram seals will be provided by TPC to supplier for putting them on meter body as per requirement at Factory. Reconciliation of seals shall be provided by bidder after its usage.	Meter have two nos. sealing provision at bottom side (Left and right side) of meter.	Tender specification to be complied.
43	12 Display units:	Error code – Meter and NIC health indicator shall be displayed as following or any better provision- Sr. No. 13 Error Code to be Displayed :- Err 12 Any key Mismatch Between Meter and NIC Description :- Any key Mismatch Between Meter and NIC	Error Code (Err 12) Not Available	Tender specification to be complied.
44	14 Name plate and Marking:	Bidder should ensure that NIC provided in meters are having Sr. No., MFG date, Property of TATA POWER' marked, PO date and no. (same as that of meter PO)	NIC will have serial no information however other details are available on meter.	The same shall be evaluated during tender sample testing.

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45	21 Tender Sample	Bidders are required to manufacture 3 sample meters as per the TPC specification (sealed, unsealed and openable base and cover to view/test the inner circuits) and submit the sample (non-returnable) along with bid for approval.	We have recently and successfully supplied HT meters to Tata Power, demonstrating our product's acceptance and supply capability. We therefore request you to kindly waive the sample quantity requirement.	Tender specification to be complied.
46	CONTRACT PERFORMANCE BANK GUARANTEE (CPBG) Page No. 166 SPECIAL CONDITIONS OF CONTRACT	This is further to General Terms & Conditions – Supply Clause 9 Vendor shall submit an unconditional and irrevocable Contract Performance Bank Guarantee (CPBG) cum performance Bank Guarantee (PBG) for a value equal to 5% of the total Outline Agreement value. Such CPBG shall be valid till the expiry of the Guarantee period as defined in Technical Specifications with a further claim period of 6 months.	We request you to kindly revise the BG requirement to 5 years validity with an additional 6-month claim period. However, Meters will be guaranteed for 10 years, as per the Bidder's lifetime warranty policy.	Deviation not accepted. Bidder to submit Contract Performance Bank Guarantee as per the tender document

----------End of Document----------

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