

Ref. No.: PESL/CS/C-06/SS/Clari-02

Date 14/08/2024

<< TO ALL THE BIDDERS THROUGH PORTAL >>

Sub.: **Amendment No-02** to Bidding Documents for “**Operation & Maintenance Works of Substations under Chandauti Cluster**” [GeM Bid No: **GEM/2024/B/ 5120649**].

Dear Sir,

- 1.0 This has reference to the bidding documents for the subject Package uploaded on Government e-Marketplace (GeM) Portal [GeM Bid No. **GEM/2024/B/5120649** dated 09.07.2024].
- 2.0 Please find enclosed herewith **Amendment No-02 dated 14/08/2024** to the aforesaid Bidding Documents, which shall form an integral part of the Bidding Documents.
- 3.0 Save and except the above, all other terms and conditions of the Bidding Documents remain unchanged.

Thanking you,

For and on behalf of
Power Grid Energy Services Limited



Shivendra Sharma
DGM(CS)

Amendment no. 2 against Bidding Documents for **Substation Package: Operation & Maintenance of Substations through outsource agency for Chandauti Cluster.**

Sl. no.	Clause No	Existing provision	Amended Provision
1.	Annexure-3 of Section Project , Technical Specification	List of Testing & Measuring Instruments	“Annexure-3 (List of Testing & Measuring Instruments)” is replaced with “Annexure-3 Rev-01 (List of Testing & Measuring Instruments)”
2	Clause 3.1 of Section project	<p>3.1 Minimum Manpower for Operation & Maintenance of at each Substation:</p> <p>.</p> <p>.</p> <p>.</p> <p>Out of total minimum Manpower mentioned above, at least four Manpower (2 JE and 2 others) shall be available wherever Field hostel/guest house exists or at least two Manpower (2 JE) shall be available wherever Field hostel/guest house does not exist, in Substation premises round the clock for maintenance and shift operation every night including Sundays and Holiday</p>	<p>3.1 Minimum Manpower for Operation & Maintenance of at each Substation:</p> <p>.</p> <p>.</p> <p>.</p> <p>Out of total minimum Manpower mentioned above, at least four Manpower (2 JE and 2 others) shall be available wherever Field hostel/guest house exists or at least two Manpower (2 JE) shall be available wherever Field hostel/guest house is not exist, in Substation premises round the clock for maintenance and shift operation every night including 3 shift operation in Sundays and Holidays.</p>
3	Clause b) of 6.0 of Section project	<p>Clause b) of 6.0 of Section project</p> <p>To facilitate the availability of the outsource O&M staff round the clock within the substation premises, minimum two rooms shall be allotted to the successful bidder in the Field Hostel/Transit Camp/Guest House if available for residing of minimum 04 O&M staffs (at least 2 JE and 2 other staff). A token rent shall be charged for allotted rooms.</p> <p>The bidder shall also be responsible for day-to-day maintenance/ Housekeeping of the Field hostel/Transit camp/Guest house including Catering service for their O&M staff residing inside the substations.</p> <p>Catering service shall also be extended by the successful bidder to the PESL officials and their Guests as and when</p>	<p>Modified Clause b) of 6.0 of Section project.</p> <p>To facilitate the availability of the outsource O&M staff round the clock within the substation premises Allotment of rooms in Transit Camp/ Guest House/ Field Hostel are as mentioned below:</p> <p>i. A token rent of Rs. 1000/- p.m. per room shall be charged towards providing room in Field Hostel/ Transit Camp/ Guest House to contractor’s personnel, in TBCB stations maintained by PESL to enable them to stay in Field Hostel/ Transit Camp/ Guest House (as per the availability).</p> <p>ii. Contractor/Agency shall ensure that minimum prescribed manpower is available in the SS premises round the clock, failing which there shall be penalty.</p>

Amendment no. 2 against Bidding Documents for **Substation Package: Operation & Maintenance of Substations through outsource agency for Chandauti Cluster.**

Sl. no.	Clause No	Existing provision	Amended Provision
		<p>required on chargeable basis at a mutually agreed rate. Basic kitchen items/utensils except consumables shall be provided by Employer. Cook, helper, cooking Gas and any additional items required for catering services shall be arranged by the outsource agency.</p> <p>The outsource agency shall be responsible for safe handling of furnishing, fittings & appliances installed in the Field hostel /Transit camp/Guest house. Upon completion or termination of the contract, the agency shall return the Field hostel/Transit camp/Guest house to the Employer in the same condition as it was handed over. In case of any shortage/ damage, the cost for same shall be recovered from the Agency.</p> <p>The housekeeping/maintenance of Field Hostel/Transit Camp/Guest house will also be looked after by the same outsourced agency. The consumables, sanitary items etc., required for day-to-day housekeeping/maintenance shall be in the scope of the outsource agency.</p> <p>Power consumption charges shall be borne by the outsource agency for the allotted rooms as per DISCOM rates</p>	<p>iii. Upkeep/ maintenance / catering services of Field Hostel/ Transit camp/ Guest House shall be kept in the scope of same Contractor/Agency to whom the O&M of Sub-station is outsourced. However, the agency shall have to deploy separately identified manpower for Upkeep/ Maintenance and catering services of Field hostel/ transit camp/ Guest house, apart from the manpower to be deployed for O&M of SS. The agency shall ensure clear distinction of roles of contractor's personnel for different functions and all statutory labour compliance.</p> <p>iv. The basic kitchen items excluding consumables will be provided by PESL. Further, if any additional items required for catering service, same shall be arranged by the agency. The consumables, sanitary items etc., required for day-to-day housekeeping/maintenance shall be in the scope of the outsourced agency.</p> <p>v. Food supply for PESL/OEM/Guest shall be on chargeable basis. Charges shall be in line with the respective POWERGRID Regional rates. Charges for food provided to contractor's personnel shall be the under the purview of the contractor.</p> <p>vi. Power consumption charges in respect of rooms allotted to contractor's personnel shall be borne by the agency as per DISCOM rates</p>

Minimum List of Testing Instruments to be maintained all the time in Substation.

Sl	Testing Instrument	Quantity
1.	Digital Multimeters:	
	i) General Purpose	2 Nos.
	ii) Precision grade (+/- 0.5 % Accuracy for AC RMS Voltage)	1 No.
2.	Digital Clamp –on- Ammeters:	
	i) AC & DC Currents (0-2000A)	2 Nos.
	ii) AC/DC Leakage Current (0-200mA)	1 No.
3.	Digital Insulation Testers: Battery operated – 10 kV (500V, 1000V, 2.5kV, 5.0KV,10KV)	1 No.
4.	Phase Sequence Indicator	1 No.
5.	Single Phase Auto Transformer (Variac)	1 No.
6.	Thermo-vision Camera –Low end	1 No

NOTE: All Testing instruments should have the valid Calibration certificate from NABL accredited lab.

Tentative List of Testing Instruments (to be arranged as and when required)

SI	Testing Instrument
1	DC Earth Fault Locator
2	SF6 Leakage Detector with high sensitivity
3	Automatic Third Harmonic Resistive Current (THRC) Measurement Kit suitable for monitoring gapless LA installed in the Substation
4	SF6 Gas dew point meter with required adapter set
5	Automatic Relay Test kit suitable for testing installed relays
6	Circuit Breaker analyzer with DCRM kit with required test leads suitable for highest transmission system voltage of substation.
7	Fully automatic Tan delta Capacitance test kit suitable for highest transmission system voltage of substation with required test leads.
8	Digital Earth Resistance Meter:
9	Transformer Winding Resistance
10	Vibration Meters
11	Automatic Transformer Turns Ratio Meter
12	SF6 Gas Quality Analyzer
13	CT Analyzer
14	Digital Level Meter cum Level Generator
15	Digital Automatic Contact Resistance Meter:
16	Primary Current Injection test kit
17	Optical Power Meter (SAS Station)
18	Light Source (SAS Station)
19	Battery Discharge Kit
20	Transformer oil BDV Test Set
21	OTI, WTI Calibrator
22	Offline Fault locator

NOTE: All Testing instruments should have the valid Calibration certificate from NABL accredited lab.