

Ref: WRTS-II/C&M/Corrigendum-III

Date: 25.08.2026

To,

Prospective Bidders

**"Retrofitting and Replacement of Control & Relay Panel at 400/220 kV Powergrid Itarsi Substation
 - Under Add Cap Scheme."**

Specification Number : WR2/NT/W-MISC/DOM/G01/26/09630
Rfx: 5002005507

Dear Sir,

1.0 This has reference to the above tender published on POWERGRID PRANIT Portal.

2.0 The bid sale period and Submission period has been Revised as per below:

Sl.no.	Description	Date & time	2nd Extension	Revised
1	Bid sale period	28.07.2026/1500	25.08.2026/1500	09.09.2026/1500
2	Bid Submission Soft Copy and Hard Copy	28.07.2026/1500	25.08.2026/1500	09.09.2026/1500
2	opening date of First Envelope of Bid	28.07.2026/1530	25.08.2026/1530	09.09.2026/1530

3.0 Clarification against the queries raised by prospective bidders is attached herewith as Annexure-I.

4.0 All other terms & conditions shall remain the same.

Yours Sincerely,

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(Shalini Nigam)
 Manager (C&M)

Pre-Bid Queries_Replacement of existing control & relay panels with new relay panels of at 400/220 kV POWERGRID ITARSI Substation

Sl. No.	Clause	Bidders' Comments	PGCIL Remarks
1	General	As per the 'Price Schedule' document, CRP panels of 10 nos. 400kV Recator bays, 9 nos. 400kV Line Bays, 1 no. 400/220kV ICT Bay, 8 nos. 400kV TIE Bays, 2 nos. 220kV Line Bays to be supplied. However, the SLD provided is for the entire substation. We understand that the OWNER of remaining bays are other Utilities. Supply of CRP and SAS for those bays are not in the present scope of work.	BUDH (210, 211) - GE BCU ICT-3 (429, 430, 209) - ABB ICT-2 (414, 208), ITR-2 (203), HBD-2 (206) - Siemens Bhopal is MPPTCL. PGCIL has proposed to have hardwiring for busbar for these 2 bays.
2	General	As per the 'Price Schedule' document, Protection panels of 7 nos. 400kV Line Recator bays to be considered. However, Control panels to be considered only for 1 no. 400kV Line Reactor bay. Our understanding is that, the other 6 nos. Line Reactors do not have Circuit Breaker and hence supply of BCU is not envisaged. Kindly confirm.	Confirmed.
3	General	As per the 'Price Schedule' document, for 220kV portion, we need to consider 1 no. ICT bay and 2 nos. Line bays. Kindly share the details of the other 2 nos. 220kV bays for which Circuit Breaker Protection Panel to be considered.	BUDH (210, 211) - GE BCU ICT-3 (429, 430, 209) - ABB ICT-2 (414, 208), ITR-2 (203), HBD-2 (206) - Siemens
4	General	Since the provided SLD is of the entire substation, our understanding is that the panels below bays to be removed and replaced with new panels : For 400kV : 1. BR#1, BR#2, BR#3 2. All the LRs shown in the SLD 3. JBP#1, JBP#2, JBP#3, JBP#4 4. IND#1, IND#2 5. KHW#1, KHW#2 6. SATPURA 7. ICT#1 8. Customer to confirm which TIE bays are in present scope For 220kV : 1. ICT#1 2. ITR#1 3. HBD#2 4. Customer to confirm which other 2 bays are in present scope	For 400kV : 1. BR#1, BR#2, BR#3 2. All the LRs shown in the SLD 3. JBP#1, JBP#2, JBP#3, JBP#4 4. IND#1, IND#2 5. KHW#1, KHW#2 6. SATPURA 7. ICT#1 8. TIE bays are in present scope : (BR#3 & Jab#1 Tie Bay (402), Jab#2 & #3 Tie Bay (405), Jab#4 Tie Bay (408), ICT#2 & BR#1 Tie Bay (415), Ind#1 Tie Bay (418), Ind#2 & Khw#1 Tie Bay(421), Khw #2 & Satpura Tie Bay (424), BR#2 Tie Bay (427) For 220kV : 1. ICT#1 2. ITR#1 3. HBD#1 4. other 2 bays are in present scope Bay: Bus Copler Bay (201) & Transfer Bay (205)
5	General	We understand that the new supplied panels are to be mounted in New Kiosk. Please confirm the below : 1. Only the SAS and SUX panels to be mounted in the existing Control Room. 2. Please confirm in which Kiosk, the Busbar Central Unit Panel will be placed. 3. Please provide approximate lengths of Kiosk-to-Kiosk and Kiosk-to-Control Room.	1. Confirmed. 2. This to be confirmed& finalized during commissioning. 3. Drawing attached for reference.
6	General	Please confirm if the panels are needed to be stored in a separate area. If yes, please confirm the distance between the storage area and control room.	Approx 1km.
7	General	Supply, laying and terminating of any cables from kiosk to control room is in customer scope. Hope our understanding is correct.	Confirmed.
8	General	Supply, laying and terminating of armoured FO cable for SAS and PU to CU will be in bidder's scope. PGCIL to confirm if our understanding is correct.	Confirmed.
9	General	We understand supply of Energy Meters is in PGCIL scope.	Confirmed.
10	General	If the reply to the above point is yes, kindly confirm the no. of free-issued Energy Meters to be considered for mounting in the new supplied panels.	Yes. Space to be provided in all Lines panels & ICT Panels

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11	General	As per BOQ, supply of mandatory spares is not envisaged in scope.	Confirmed.
12	General	As per BOQ, supply of PMU is not envisaged in scope.	Confirmed.
13	General	Customer to confirm if any free-issued PMU and/or CSD to be mounted in the new panel.	Yes. In all Line Reactor, Bus Reactor & ICT Main & Tie Panels space to be provided for CSD/PMU.
14	General	Scope of work includes retrofit work in existing station, hence kindly confirm duration of shutdown for recommissioning of system. Also in how many days advance notice we need to provide for shutdown.	To be confirmed upon award of order.
15	General	We understand that new Busbar to be supplied for both 400kV and 220kV. Also, supply of Peripheral Units is envisaged for existing bays as well as present bays. With that understanding no. of PU to be provided is as below : 1. 400kV : 22 X 2 = 44 nos. 2. 220kV : 11 nos. Customer to confirm the same.	Confirmed.
16	General	We understand that Busbar to be considered for all the bays in 400kV and 220kV as mentioned in the above point. Please confirm the below points : 1. The peripheral units for the existing bays to be retrofitted at site in the respective existing panel. 2. Sufficient space is available in the existing panel for mounting of the new peripheral units.	Confirmed.
17	General	We understand that completely new SAS to be supplied for the present scope of work. Please confirm if augmentation of the existing bays with our SCADA to be considered.	All the existing bays need to be integrated to the new SAS.
18	General	If the answer to the above question is yes, a) kindly share the details of the make and model of existing relays. b) kindly confirm if supply of bay level ethernet switch, LIU, etc. to be considered in our scope of work.	1. PGCIL will share. 2. Ethernet Switch and LIU are already existing at site for the existing bays.
19	General	As per general practice for PGCIL projects, 1.5 sq mm cable is considered for control and PT connectivity. Only for PT connectivity 2.5 sq mm cables are envisaged. Customer to confirm if we can proceed with the same consideration.	To be followed as per PGCIL FAT requirement.
20	General	PGCIL has confirmed that supply of new SUX BCU to be considered.	Confirmed.
21	General	Customer to confirm if there are any RTCC relays, DGA, FOS, PTSS, ODS, OTI, WTI signals in the existing Transformer and Reactor.	All these signals need to be integrated with new SAS. Aux. devices of ICT-2 and ICT-3 are already integrated with Siemens SAS, these ICTs devices also to be integrated in New SAS. Accessories of ICT-1 and Reactors to be integrated newly to the proposed SAS. PGCIL will share the list of devices, communication protocol of each device, details of port availability of each device.
22	General	We understand that for Busbar and Sync Check, hardwire interlocking is envisaged. And, hardwiring will be done by PGCIL.	Refer Point No. 1
23	General	The armoured FO cable will be laid in GI pipe. Please confirm.	Confirmed.
24	General	Removal of cables from the old panels and rolling back the cables are in PGCIL scope.	Confirmed.
25	General	We understand that the old PGCIL panels are to be stored in the PGCIL supplied storage area. Kindly confirm the distance between the existing Control Room and Storage Area.	Approx 1km.
26	General	Customer to share the total number of panels that is to be removed.	Approx 105 panels. to be removed.
27	General	Existing panels to be dismantled	Approx. 105 panels.
28	General	Shutdown for dismantling and erection	POWERGRID will arrange shutdowns sequentially, one-by-one, for each Line, ICT and Bay equipment.
29	General	Shutdown schedule	Detailed shutdown schedule will be shared after supply of material at site.
30	General	Crane/lifting facility for panel installation	Vendor scope. Supply, installation, commissioning, and crane/lifting arrangements are to be provided by the bidder/vendor.

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31	General	Cable trenches/cable vaults availability	New cable trenches are under construction and will be provided wherever required.
32	General	Civil work for installation of panels	Panel installation is in the vendor's scope.
33	General	AC Kiosks and distances	12 kiosks proposed; distance between kiosks approximately 60 m.
34	General	Storage area for dismantled/new panels	POWERGRID will provide only the ground area. Shed, foundation/base, and associated infrastructure remain in vendor scope.
35	General	Distance from control room/kiosk to storage area	Approximately 1.0 km.
36	General	Supply and laying of control/power cables outside kiosk	POWERGRID scope.
37	General	Common SAS for all bays	Yes. Existing Siemens SAS bays, if required, must be integrated with the proposed SCADA system by the bidder. Required configuration files shall be arranged by bidder.
38	General	Peripheral units' requirement	400 kV (One-and-Half Breaker Scheme): 28 bays (22 main bays and 8 tie bays as stated in the clarification). 220 kV (DMT Scheme): 11 bays. Reference SLD attached.
39	General	Removal and rollback of old cables	POWERGRID scope.
40	General	PMU supply not in bidder scope	No. PMU is not excluded from bidder scope.
41	General	Integration of DGA, RTCC, etc.	In bidder scope.
42	General	Retained panels and SAS integration	Existing Siemens SAS will remain in service. Where integration into the proposed SCADA is required, bidder shall configure and integrate; necessary configuration files shall be arranged by bidder.
43	General	Hard wiring outside kiosk for busbar, synchro-check and interlocking	POWERGRID scope.
44	General	First aid and ambulance availability	Basic first-aid facilities available; ambulance not available on-site.
45	General	Nearby hospitals	Govt Hospital Itarsi, Dayal Hospital Itarsi, and Apna Narmda Hospital Narmadapuram.
46	General	Safe working conditions, hazardous materials, confined space, LOTO, etc.	Confirmed by POWERGRID.
47	General	Suppliers' evacuation/suspension clause under safety or security concerns	Supplier's policies and conditions have been submitted for review and consideration.
48	General	Indemnification regarding hazardous materials	Supplier and its appointed manpower shall ensure compliance with Supplier policies regarding these aspects.
49	General	Use of HDPE pipe for FO cable	Permitted. All communication-related materials are in Supplier scope.

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