| Clarification No.-2 dated 23/07/2025 to the Bidding Documents for "BESS Package BESS-01 for Setting up of Battery Energy Storage System of 5MW/ 20MWh capacity co-located with 85 MW Solar PV Power Plant at Nagda, Ujjain, Madhya Pradesh." Specification No.: CC/NT/W-MISC/DOM/A00/25/06104 | | | | |
|---|---|---|---|---|
| Sl. No. | Reference document | Reference Clause | Bidder's Query | POWERGRID's Reply |
| 1 | Volume -I Section – III: Bid Data Sheets | Cl. 54 ITB 27.5 (c) Page 28 of 33 Parameter to be taken for applying differential price factor (F) and Value of F in Indian Rupees of parameter differential per KW | The differential price factor is applied per kW basis. Note that even after charging and discharging, the chiller in battery container keeps running for some time and draws equal power as much as during charging of discharging. If one bidder considers this, he will put ~40kW as power required during idling; and if other bidder doesn't consider this, he will put 1 or 2 kW as power during idling. In such case bidder who has put 40 kW as value, his differential pricing will be HUGE.<br><br>So instead, our suggestion is to apply differential price factor on total aux consumption measured in kWh per year. Ultimately how much aux energy is consumed is more important that what is aux power requirement. Let bidders quote aux consumption in kWh per year considering one 0.25C/0.25C cycle per day. | Existing provisions of bidding documents shall prevail. |
| 2 | Vol II, Part 4 of 6, 3-0 BESS Model Technical Specifications - Rev-1)/ 8.12 Air Conditioning System for BESS ; Page no 39 of 42 | 8.12 Air Conditioning System for BESS<br><br>BESS shall be provided with air conditioning system to manage the heat load of the system and rating of AC should be defined accordingly. It should be rugged, reliable and maintenance free and designed for entire life time of BESS. It shall be designed for continuous operation with changeover feature. The contractor shall periodically and whenever require replace/service Air Conditioner, equipment, sub-equipment, filters and all related accessories to make the Air Conditioning system running as specified in this specification for the entire tenure of the project. | To ensure consistant operation with minimum Downtime, System shall be provided with Surge Protection Device to protect from Switching and Lightning surges entering in to the system.<br><br>Please find SPD Specification as Annexure B for Reference.<br><br>CLAUSE, AS IT SHOULD READ AFTER INCORPORATION OF COMMENTS/ SUGGESTION IN THE TECHNICAL SPECIFICATIONS<br><br>8.12 Air Conditioning System for BESS<br>BESS shall be provided with air conditioning system to manage the heat load of the system and rating of AC should be defined accordingly. It should be rugged, reliable and maintenance free and designed for entire life time of BESS. **Air Conditioning System shall be provieded with Type 2 Surge Protection Device which shall be in complaince with IEC 61643-11 and shall be tested with 3rd party agency like KEMA & UL**. It shall be designed for continuous operation with changeover feature. The contractor shall periodically and whenever require replace/service Air Conditioner, equipment, sub-equipment, filters and all related accessories to make the Air Conditioning system running as specified in this specification for the entire tenure of the project. | Existing provisions of bidding documents shall prevail. |

| Clarification No.-2 dated 23/07/2025 to the Bidding Documents for "BESS Package BESS-01 for Setting up of Battery Energy Storage System of 5MW/ 20MWh capacity co-located with 85 MW Solar PV Power Plant at Nagda, Ujjain, Madhya Pradesh." Specification No.: CC/NT/W-MISC/DOM/A00/25/06104 | | | | |
|---|---|---|---|---|
| Sl. No. | Reference document | Reference Clause | Bidder's Query | POWERGRID's Reply |
| 3 | Vol II, Part 4 of 6, 2-0 GTR/ 20.0 Terminal Blocks & Wiring ; Page no 28 of 134 | 20.2 Terminal blocks shall be 650V grade and have continuous rating to carry the maximum expected current on the terminals and non-breakable type. These shall be of moulded nuts. Screw clamp, overall insulated, insertion type, rail mounted terminals can be used in place of stud type terminals. But the terminal blocks shall be non-disconnecting stud type except for the secondary junction boxes of Current Transformer and Voltage Transformer. | Faster and Easier Installation, Vibration Resistance, Compact Design and Maintenance-Free wire termination we recommend to use Push-in type Terminal Block.<br><br>CLAUSE, AS IT SHOULD READ AFTER INCORPORATION OF COMMENTS/ SUGGESTION IN THE TECHNICAL SPECIFICATIONS<br><br>The terminals shall be push-in type allowing direct termination of wire without any tool. An an orange pusher type lever shall be used to release the wire, the pusher shall also indicate the state of wire termination thus allowing contact reliability and safety. | Existing provisions of bidding documents shall prevail. |
| 4 | Vol II, Part 4 of 6, 2-0 GTR/ 20.0 Terminal Blocks & Wiring ; Page no 28 of 134 | 20.3 Terminal blocks for current transformer and voltage transformer secondary leads shall be provided with test links and isolating facilities. The current transformer secondary leads shall also be provided with short circuiting and earthing facilities. | Faster and Easier Installation, Vibration Resistance, Compact Design and Maintenance-Free wire termination we recommend to use Push-in type Terminal Block.<br><br>CLAUSE, AS IT SHOULD READ AFTER INCORPORATION OF COMMENTS/ SUGGESTION IN THE TECHNICAL SPECIFICATIONS<br><br>Terminal blocks for current transformer and voltage transformer shall have provision for disconnection (isolation), Terminal block for CT circuit shall have automatic CT shorting facility (on CT side) and disconnection (from load side) to facilitate testing by current injection. Similarly, TBs for PT circuit shall have feature of disconnection to facilitate voltage injection for testing. The terminal block should be designed as per IEC 60947-7-1. The wire termination in terminal block shall be Push-in type allowing wire termination without any tool, a pusher type actuator shall be used to release the wire. | Existing provisions of bidding documents shall prevail. |