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|  **Sl. no** | **Clause no w.r.t specification** | **Description as given in specification** | **Comments/ Clarifications**  | **POWERGRID’s Reply** |
| **01** | **Section Project-** Clause No: 2.2.1 c)Page No- 3 of 8 | 400/220/33kV, 3-ph Autotransformer shall be suitable for connecting both HV side (400kV) & IV side (220kV), with GIS SF6/Oil Interface, as per IEC-62271-211. Further, LV side (33kV) of 400/220/33kV Transformer shall have conventional AIS type termination. | “As the Tender Requirement is with Oil – Sf6 Bushings for 400kV & 220kV Side, the Testing at bidders factory shall be done with test bushings of Oil – Air termination type available at bidders factory” – Kindly confirm the same. | Testing of 400/220/33kV, 3-ph Autotransformer, with test bushings at bidders/Manufacturers factory, may be acceptable. However, all required arrangements shall be in the scope of bidder. |
| **02** | **Section Project-** Clause No: 2.2.1 (d) (ii)Page No- 4 of 8 | IEDs for Digital RTCC shall comply the requirements of Clause “7.0 Additional Requirements for IEC 61850 based Process Bus Projects (Applicable only if Process Bus SAS is specified in Section Project)” of Technical Specification “Section-Sub-station Automation-Revision-04”. | As per our understanding, the Cl. No. 2.2.1.d.(ii) of Section project in reference to Digital RTCC relays is not applicable for Transformer manufacturer and the attachment “Section-Sub-station Automation- Revision-04” uploaded in tenderin Volume – II is also not applicable for the transformer manufacturer. kindlyConfirm. | Referred clause implies that the Digital RTCC relays shall be provided with Redundant PRP ports (either natively or through Red Box) for connection to redundant IEC 61850 Station bus. However, hard wiring for input/output, from Transformer to Digital RTCC relay may be acceptable.  |
|  **Sl. no** | **Clause no w.r.t specification** | **Description as given in specification** | **Comments/ Clarifications**  | **POWERGRID’s Reply** |
| **03** | **Section Project-** Clause No: 2.2.1 (d) (ii) | IEDs for Digital RTCC shall comply the requirements of Clause “7.0 Additional Requirements for IEC 61850 based Process Bus Projects (Applicable only if Process Bus SAS is specified in Section Project)” of Technical Specification “Section-Sub-station Automation-Revision-04”. | We understand that process bus SAS is not applicable as per sl. no.  31 of specific requirement REV 06 Annexure I of section project . However if process bus SAS is required then specific confirmation from the PGCIL for the same shall be needed. | Process Bus SAS is envisaged for 765/400/220kV Navsari (New) (South Gujarat) GIS. Bidder shall quote as per bidding documents. |
| **04** | **Section Project-** Clause No: 2.2.1 (d) (iii) | The Digital RTCC Relays shall be installed near each Transformer either in Common MB or in a separate panel near the Transformer MB. IP Rating (Ingress Protection Rating) for all the panel/MB housing Digital RTCC Relay shall be IP-66. | 5 nos. Digital RTCC relays shall be provided in 5 nos. separate outdoor digital RTCC panel. However, IP rating of Digital RTCC panel shall be IP 55 instead of IP 66 as already IP rating  55 for outdoor panel  is specified in general GTR and technical specification- kindly confirm | Refer clause no: 6.0 of Technical Specification & specification in SECTION PROJECT shall prevail. Bidder shall comply the requirements of bidding documents. |