

ANNEXURE 7-5 (REVISION-2): INTERFACE ISSUES BETWEEN ST P-5 and Phase 2 S&T Contractors and To Be Decided (TBD) Contractor

1. Definition and Scope

- 1.1 This Appendix describes the interface requirements between ST P-5 Contractor and Phase 2 Signal & Telecom contractors and also TBD Contractor. TBD Contractor shall be responsible for Signal & Telecom works in Backup Control Centre (BCC).
- 1.2 All interface shall be through the Employer.
- 1.3 Throughout this Appendix, 'the Contractor' shall mean the ST P-5 Contractor, whereas 'the Contract' shall mean Contract ST P-5.
- 1.4 The interface issues between the Contractor and Phase 2 S&T Contractors and TBD Contractors shall have to be identified. Such issues arise primarily at the following interfaces: -
 - (i) The Signalling arrangement on interconnection at stations where boundaries of phase 1 and 2 meet;
 - (ii) TMS provision for Phase 2;
 - (iii) Working between Main and Backup Control Centre (BCC).
- 1.5 The scope shall comprise of but not limited to the following:
 - (i) Control and indications for signalling at stations where boundaries of phase 1 and 2 meet;
 - (ii) Control and indications for signalling in Block sections next to stations where boundaries of phase 1 and 2 meet;
 - (iii) Incorporation of Phase 2 power supply requirement in PSS of OCC;
 - (iv) BCC:
 - a) Real time updating of data/ status;
 - b) Automatic changeover offer to BCC when both main and standby servers in main OCC fail or shut down;
 - c) Facility of forced takeover by authorised personnel in BCC and vice versa in main OCC.
 - (v) Detailed methodology of providing integrated TMS for the whole line shall be jointly worked out by all interfacing Contractors and got agreed by the Engineer. Methodology in which this is achieved by having single set of Main/ Standby servers provided by P5 Contractor in OCC and Phase 2 S&T Contractors and TBD Contractors providing required data for their respective sections in the agreed format for uploading shall be preferable.
 - (vi) Updating of software in TMS servers in OCC so as to cover Phase 2 works for all prescribed functionalities;

(vii) Earthing & Bonding;

(viii) Signage;

(ix) EMC/EMI;

(x) Integration testing;

1.6 ST P-5 shall be the lead contractor.

* * * End of Appendix 7-5 (Revision -2) * * *