

**ANNEXURE 7-6: INTERFACE ISSUES BETWEEN ST P-5 and ST P-5A**

**1. Definition and Scope**

- 1.1 This Annexure describes the interface requirements between ST P-5 Contractor and Other Signal & Telecom contractor ST P-5A carrying out TPWS works from Rewari to JNPT.
- 1.2 All interface shall be through the Employer.
- 1.3 Throughout this Annexure, '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 ST P-5A contractor shall have to be identified. Such issues arise primarily at the following interfaces: -
  - (i) Cable laying;
  - (ii) TPWS equipment provision;
  - (iii) Power Supply for TPWS.
- 1.5 The scope shall comprise of but not limited to the following:
  - (i) Laying of cables:
    - a. Cables shall ordinarily be laid in common trench dug by P-5 Contractor in Block Section and common Duct provided by P-5 Contractor at stations;
    - b. Both P-5 and P-5A Contractors shall coordinate so that they lay cables simultaneously.
    - c. In case P-5 Contractor considers it necessary to lay cables and close the trench before P-5A Contractor lays his cables, P-5 Contractor shall submit proposal to the Engineer with full details for his consent.
    - d. If P-5A Contractor has to lay cables in a closed trench, he shall open the trench manually with utmost care so that no damage is caused to cables already laid.
    - e. If opening of existing trench leads to any damage to cables already laid by the other Contractor, the Contractor opening the trench shall be fully responsible for the same and shall compensate the other Contractor which shall be mutually settled between the two Contractors.
  - (ii) P-5 Contractor shall provide required space to P-5A Contractor for fixing TPWS equipment in SER/ Auto Location Huts;

(iii) Power Supply:

- a. Both P-5 and P-5A Contractors shall coordinate so that power supply requirement for TPWS in SER/ Auto Location Huts is incorporated in PSS being provided by P-5 Contractor;
- b. P-5A Contractor shall extend power supply from panel as indicated by P-5 Contractor. This shall be protected by a separate fuse to be provided in the panel by P-5 Contractor.

(iv) P-5 Contractor shall provide input to LEUs.

(v) TPWS equipment failure inputs shall be provided by P-5A Contractor in agreed format to P-5 Contractor for its integration with failure alarms and reports in TMS.

(vi) Earthing of TPWS indoor as well as track side equipment shall be suitably coordinated and provided by P-5A Contractor.

(vii) Both Contractors shall coordinate for successful conduct of Integrated testing.

1.6 ST P-5 shall be the lead contractor.

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