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7.12.Training

1. The sub-contractor shall provide comprehensive training to the CMRL / BEML / Employer's staff in operation, maintenance, engineering, etc., of the Passenger Door system in accordance with the training activities and works as per ERTS-RS Clause 15.4, 15.5, 15.12, 15.13, 15.14, 15.15, 15.16 & ERTS-CMC as a minimum.
2. The supplier shall provide according to requirement of BEML and CMRL training schedule, time, method and site etc.
3. The subcontractor shall provide a training proposal, one original and five colour copies and electronics copies of the training manual for use by CMRL / BEML for conducting in-house training.

4. Milestone Number	Milestone Activity	No of Days
RS-H4	Provision of Contractor's Driving Instructors for Training of Employer's operating personnel in India.	5 Man Days
RS-H5	Provision of Contractor's Instructors and OEM's Experts for on job Training and supervision of Employer's maintenance personnel in the metro train depot of CMRL in India.	70 Man Days

Table 1: Tentative Training Plan

The technical offer for training shall be submitted along with the technical offer

8. DNP / DLP / Warranty

1. Refer GCC, SCC, ERTS-RS & ERTS-CMC and related clauses of the tender.
2. Sub-contractor shall ensure minimum spare parts that he intends to make available during the installation, erection, commissioning and DNP/DLP/Warranty period.
3. The sub-contractor shall keep on site, throughout the installation, erection, commissioning and warranty period, stocks of spare parts, to enable rapid replacement of any item found to be defective or in any way in non-conformance with the specification.

9. Comprehensive Maintenance Contract

1. The sub-contractor shall support at all times throughout the Comprehensive Maintenance Contract (CMC) period, maintain Passenger Saloon Door system of Rolling Stock in accordance with the provisions of the Contract, Applicable Laws, Applicable Permits and Good Industry Practices.
2. "Spares" and "Tools" shall include all types of Spares and Consumables, Special Tools, Jigs, Fixtures, Gauges, Testing and Diagnostic Equipment, Mechanical & Electrical Measuring and Testing Equipment, Mechanical, Pneumatic and Electric Tools, test benches and any other items required for all types of maintenance activities carried

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out on Rolling Stock for Passenger Saloon Door system as per ERTS-CMC Part- 2: Section VI C.

Spares requirement shall be as per **Annexure-A** of the document.

10. List of Annexures and Enclosures

10.1. Annexures

Annexure No.	Document Description	Remarks
1	Submittals Check Sheet	-
2	ECN Network Specific Requirements	-
3	General ICD	-
4	SDT - Safety Transmission Protocol Specification	Applicable for data transmission for controlling the functionalities corresponding to SIL2 only
5	Preliminary TCMS ICD of Door System	-
6	Door Interface Drawing GR-5678	-
A	Spares as per Annexure-A	

10.2. Enclosures

Enclosure No.	Document Description
1	Section VI A: Employer's Requirements Technical Specification (ERTS) – Rolling Stock (RS)
2	Section VI C: Employer's Requirements Technical Specification (ERTS) – Comprehensive Maintenance Contract (CMC) of Rolling Stock and Depot Machinery & Plant.
3	Format for Submission of Vendor/Subcontractor/Suppliers Credentials: Rolling Stock
4	Form Sys-3: Subcontractors/Manufacturers
5	Form MAN: Manufacturer's Authorization
6	Procedure for Safety Certification and Technical Clearance of Metro Systems by RDSO

11. PTS & ERTS Compliance

1. The subcontractor shall offer a valid and fully compliant proposal for the Passenger Door system as detailed in ERTS-RS, ERTS-CMC and PTS.
2. The subcontractor shall submit a detailed clause by compliance report for all the clauses of ERTS-RS, ERTS-CMC and PTS with regard to Door System.

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3. The supplier must ensure that no separate offers or cost implications of whatsoever type due to any reasons are mentioned in the proposed offer in CBC. Such offers or claims shall be summarily rejected without giving any further opportunity.
4. Any clause of ERTS-RS, ERTS-CMC, PTS for which no comments have been provided in CBC by the supplier shall be construed as favorable to BEML.
5. It is suggested that supplier shall list out all deliverables or supply elements mentioned in this PTS and submit offer/ proposal for the same. Any queries can be addressed to BEML before submission of offer. Once the offer is submitted to BEML, it is deemed to be understood as inclusive of all deliverables, irrespective of whether it has been specifically asked or not.
6. The sub-contractor shall submit, along with the technical offer, the Clause-by-Clause Compliance for the ERTS-RS, ERTS-CMC and this PTS as follows:
 - a. **Complied:** "Complied" shall be indicated by the sub-contractor where the sub-contractor is able to comply fully with the clause.
 - b. **Noted & Complied to Passenger Door System scope of supply:** Where a clause merely provides information and no other comment is necessary, "Noted & Complied to Passenger Door System scope of supply" will suffice.
 - c. "Noted" and/ or "any comments" shall be regarded as non-compliance from the subcontractor for his Scope of supply/ work.
7. **Offers with Non-compliance and deviations to any of the ERTS-RS, ERTS-CMC and PTS clauses with regard to Passenger Door System, are liable for rejection.**

12. Project Management

1. The sub-contractor shall assist BEML to smoothly carry out Project management, Co-ordination with designated and other contractors, Design submission, Software management and control, etc. according to the requirements specified in ERTS-RS Chapter 16 "Management Program".
2. The subcontractor shall comply with the detailed requirements to be specified later by BEML/ CMRL if any.
3. Along with the technical offer, the sub-contractor shall submit a Project Management Plan which shall provide a clear over-view of the Contractor's organization, the management system and methods to be used for completion of the works.
4. The Project Management Plan in line with ERTS-RS Clause 16.3 and shall provide the following information:
 - a. An organization chart which clearly identifies all staff expected to be allocated to the Works; indicating reporting lines to the Key Staff or any additional departmental managers proposed.
 - b. Resumes for each Key Staff member.
 - c. A job scope clarifying of the duties and responsibilities of each departmental manager / Key Staff member.
 - d. A resource plan for the project from NTP through the end of the CMC Period, showing the levels of staffing to be provided at each phase for each discipline

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and functional area.

- e. A description of the methodology to be used to track and control program progress against the program schedule.
- f. Master Program Schedule as described in ERTS-RS Clause 16.6.

13. Submittals with Technical Offer

The sub-contractor shall submit all the document as per Annexure 1 - Submittals Check Sheet.

-End-of-Section-