

Appendix 17.1

MATRIX OF INTERFACE REQUIREMENT FOR SYSTEM DESIGN & CONSTRUCTION OF TRACTION SUPPLY CONTRACT (EM-P-4) & OTHER CONTRACTS

S. No.	Item of work	DFCC Contractors					Independent Authorities						Coordinating Contractor/ Agency	Remarks
		Civil building and Track work			Signal & Telecom	Loco	Traction Power Supply			Indian Railway		Other		
		CTP-1 & 2	CTP-3	CTP-3A	ST P-5	RSP7	GEB	RSEB	HSEB	NWR	WR			
1	Access to worksite (Embankment, Cess, Tracks, Bridges, viaducts, Tunnel & Depot)	✓	✓	✓									CTP-1 & 2 CTP-3 CTP-3 A	
2	Site Facilities, Temporary Storage Sites, Siding for Traction Construction Trains	✓	✓	✓	✓	✓						(As applicable)	-do- Employer & Engineer	
3	Design & Drawings Coordination	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		EM P-4	Based on final approved route alignment plan on nominal layers of soft copies of drawings to be furnished by the Civil Contractor
4	EMI Mitigation Measures (Earthing & Bonding : Track, Bridges, viaducts, tunnels, Buried Earth Conductors, Structures, Fencing, continuous metal work)	✓	✓	✓	✓					✓	✓	Dependent on Site Survey (Pipes, Wires, etc.)	EM P-4	Work to be done by NWR & WR on their installations Coordination through Employer/Engineer
5	Traction Return Current connection to tracks at each AT Stations	✓	✓	✓	✓								EM P-4	
6	Location of Signals vis-à-vis (OHE Neutral Sections)				✓	✓							EM P-4	
7	Location of Signals vis-à-vis (OHE Structures)				✓								-do-	
8	Power Supply to S&T Installation on open route				✓								-do-	

S. No.	Item of work	DFCC Contractors					Independent Authorities						Coordinating Agency	Remarks
		Civil building and Track work			Signal & Telecom	Loco	Traction Power Supply			Indian Railway		Other		
		CTP-1 & 2	CTP-3	CTP-3A	ST P-5	RSP7	GEB	RSEB	HSEB	NWR	WR			
9	Telecom facilities for SCADA : OFC Terminals at on Route (TSS & Switching posts and stations) and at OCC				✓								EM P-4 Employer & Engineer	
10	Video wall in OCC				✓								EM P-4	-
11	Traction Power Supply from Electricity Boards at 220/132kV						✓	✓	✓				EM P-4 Employer & Engineer	Coordination through Employer/Engineer
12	Traction Supply & Sectioning to Loco Depot					✓							RS P-7	
13	OHE configuration and Sectioning to IR Electrified Sections									✓			EM P-4	Coordination through Employer/Engineer
14	Traction Power Cable across the Tracks at Traction Supply control Posts	✓	✓	✓									CTP-1 & 2 CTP-3 CTP-3 A	
15	Execution of Construction work after anti-theft charging of OHE Conductors prior to test & commissioning	✓	✓	✓	✓	✓				✓	✓	✓	EM P-4 Engineer	In formulation of Rules for safe working Employer & Engineer in framing Rules for Operation - EM P-4 Contractor for day to day operation
16	System Integration, Testing and Commissioning	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	(As applicable)	EM P-4	Coordination through Employer/Engineer

Note : ✓ direct interface requirement of EM P-4 Contractor with other Contractors/Agencies.