

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

**Dy.CSTE/CN/UBL** acting for and on behalf of The President of India invites E-Tenders against Tender No **HLV-BAHI-THKU-HPHI-EI-01** Closing Date/Time 06/07/2026 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

**1. NIT HEADER**

<b>Name of Work</b>	Subwork-1: Provision of Electronic Interlocking System including outdoor signalling works and Telecom arrangements in connection with the commissioning of additional loop lines and yard remodelling suitable for doubling at Haliyuru (HLV), Ballenahalli (BAHI), and Talaku (THKU), Chikjajur (JRJ), Chikjajur Bypass (JRJ BYPS) and development of freight terminal at Haliyuru (HLV) in the JRJ-BAY section of South Western Railway. Subwork-2: Provision of Electronic Interlocking System including outdoor signalling works and Telecom arrangements in connection with the commissioning of additional loop lines at Harpanahalli (HPHI) station and Amaravathi colony (AVC) reconnecting berthing (FBWP Siding) line in existing yard in AVC-VC section of South Western Railway.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Two Packet System
<b>Tender Closing Date Time</b>	06/07/2026 15:00	<b>Date Time Of Uploading Tender</b>	11/06/2026 13:49
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	708722934.34	<b>Tendering Section</b>	TENDER SEC
<b>Bidding Style</b>	[ Decision at Schedule level ]	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	14174500.00	<b>Validity of Offer ( Days)</b>	90
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	18 Months
<b>Contract Type</b>	Works - General	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	22/06/2026		
<b>Are JV allowed to bid</b>	Yes	<b>Number of JV Member Allowed</b>	3
<b>Are Consortium allowed to bid</b>	No	<b>Number of Consortium Member Allowed</b>	0
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () A-SWR SOR 2025</b>							677653784.00	
1	Please see Item Breakup for details.				19078544.00	AT Par	19078544.00	Above/ Below/Par
	<b>Description:-</b> Chapter-1 Signal Unit & Associated Items							
2	Please see Item Breakup for details.				48589770.00	AT Par	48589770.00	Above/ Below/Par
	<b>Description:-</b> Chapter-2 Location Box & Associated Items							
3	Please see Item Breakup for details.				21152790.00	AT Par	21152790.00	Above/ Below/Par
	<b>Description:-</b> Chapter-3 Point machines							
4	Please see Item Breakup for details.				6342760.00	AT Par	6342760.00	Above/ Below/Par
	<b>Description:-</b> Chapter-4 Track circuits							
5	Please see Item Breakup for details.				1510182.00	AT Par	1510182.00	Above/ Below/Par
	<b>Description:-</b> Chapter-5 LC Gates and Accessories							

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

6	Please see Item Breakup for details.	115949095.00	AT Par	115949095.00	Above/ Below/Par
	<b>Description:-</b> Chapter-6 Trenching & Cable laying				
7	Please see Item Breakup for details.	223960.00	AT Par	223960.00	Above/ Below/Par
	<b>Description:-</b> Chapter-7 Cables				
8	Please see Item Breakup for details.	10315483.00	AT Par	10315483.00	Above/ Below/Par
	<b>Description:-</b> Chapter-8 Relay Room & Associated items				
9	Please see Item Breakup for details.	223754977.00	AT Par	223754977.00	Above/ Below/Par
	<b>Description:-</b> Chapter-9 Electronic Interlocking				
10	Please see Item Breakup for details.	4257427.00	AT Par	4257427.00	Above/ Below/Par
	<b>Description:-</b> Chapter-10 Relays				
11	Please see Item Breakup for details.	9630108.00	AT Par	9630108.00	Above/ Below/Par
	<b>Description:-</b> Chapter-11 Data Logger & remote Terminal Unit				
12	Please see Item Breakup for details.	25741209.00	AT Par	25741209.00	Above/ Below/Par
	<b>Description:-</b> Chapter-12 Power supply & Associated Items				
13	Please see Item Breakup for details.	15930336.00	AT Par	15930336.00	Above/ Below/Par
	<b>Description:-</b> Chapter-14 Block Instruments				
14	Please see Item Breakup for details.	15969224.00	AT Par	15969224.00	Above/ Below/Par
	<b>Description:-</b> Chapter-15 ELD, Earthing & Lighting protection System				
15	Please see Item Breakup for details.	18087050.00	AT Par	18087050.00	Above/ Below/Par
	<b>Description:-</b> Chapter-16 Fire Alarm & Suppression system				
16	Please see Item Breakup for details.	117809379.00	AT Par	117809379.00	Above/ Below/Par
	<b>Description:-</b> Chapter-17 Axle counters				
17	Please see Item Breakup for details.	7996755.00	AT Par	7996755.00	Above/ Below/Par
	<b>Description:-</b> Chapter-18 Design & Documents of Signalling Plan				
18	Please see Item Breakup for details.	3960939.00	AT Par	3960939.00	Above/ Below/Par
	<b>Description:-</b> Chapter-19 Tools and Measuring Instruments				
19	Please see Item Breakup for details.	1041284.00	AT Par	1041284.00	Above/ Below/Par
	<b>Description:-</b> Chapter-20 Provision of Man Power				
20	Please see Item Breakup for details.	6698681.00	AT Par	6698681.00	Above/ Below/Par
	<b>Description:-</b> Chapter-21 Quad & OFC Communications Accessories				
21	Please see Item Breakup for details.	3613831.00	AT Par	3613831.00	Above/ Below/Par

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

<b>Description:-</b> Chapter-22 Logistics and Site Support Arrangements								
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () B-NON SOR</b>							22427501.22	
1	B1	20.00	Numbers	4200.00	84000.00	AT Par	84000.00	Rs.
	<b>Description:-</b> Provision of derivation joint for Emergency Control using thermo shrinkable jointing kit using miniature tapping transformer of 470:1120ohms impedance . One pair for auto phone wires should be taken out and dropped in separately and terminated in the EMC box. After the jointing the through cable has to be tested for insulation resistance and loop resistance in presents of Railway Engineer and in case of any defects the jointing has to be re-done free of cost by the contractor. Thermal sleeves to be provided over the individual conductors after jointing the conductors.							
2	B2	50.00	Numbers	320.00	16000.00	AT Par	16000.00	Rs.
	<b>Description:-</b> Supply and fixing of cable truff of 2 inch x 2 inch of PVC material ladder type cable tray of Tirumala make or better							
3	B3	2.00	Numbers	4388.76	8777.52	AT Par	8777.52	Rs.
	<b>Description:-</b> Supply of OFC Joint Enclosure 48 Fibre.							
4	B4	2.00	Numbers	19917.35	39834.70	AT Par	39834.70	Rs.
	<b>Description:-</b> Splicing and termination of 48 Fiber OFC (2x48 Fibers) and testing. This include excavation of pit and its back filling & all relevent type of materials for splicing							
5	B5	26.00	Set	695020.00	18070520.00	AT Par	18070520.00	Rs.
	<b>Description:-</b> Description : Supply, Installation and Commissioning of Single Section Digital Axle Counter (SSDAC) Phase Reversal type as per RDSO Speci %uE041cation No.RDSO/SPN/177/2012 (Version-3) and latest if any along with Installation accessories as given below. (i) Single Section Digital Axle Counter Phase Reversal type as per RDSO Specification No. RDSO/SPN/177/ 2012 (Version- 3) and latest if any. Each Set consists of following :- a) High frequency TX Coil and RX Coil with Cables (Each Set consists of Web Mounting type TX Coil-2 Nos., RX Coil-2 Nos. along with 10 mtrs. Cable) = 2 Sets. One Set will be %uE041tted with SSDAC during installation and one Set will be kept as Spare with the Consignee. b) Track Side Digital Axle Counter unit- 2 nos. c) VR Box - 2 Nos. Each duly wired with 2 nos, of 24V, 6F/6B, 1000 ohm Q type relays. d) Clamp with de %uE045ector plates and hardware etc .- 4 nos. e) Reset Box - 2 nos. f) All other Equipment /Subsystem/literature as available in Standard Set as per RDSO Speci%uE041cation. (il) Mushroom/Location Box suitable for housing Track side equipment = 2 nos Make: CEL of M/s Central Electronics Ltd., Shahibabad.							
6	B6	29.00	Numbers	19808.00	574432.00	AT Par	574432.00	Rs.
	<b>Description:-</b> Ground Connection for Point Machine 143mm (Galv.)							
7	B7	1.00	Per Unit	2175174.00	2175174.00	AT Par	2175174.00	Rs.
	<b>Description:-</b> Design, FAT and Submission As planned and as build interface drawing, application logic & equiv alent circuits in connection with the alteration work (Per Unit=Per Station)							
8	B8	1.00	Per Unit	1458763.00	1458763.00	AT Par	1458763.00	Rs.
	<b>Description:-</b> Alteration in ex isting relay room, this include supply of wiring materials required for Alteration, Alteration in indoor wiring including datalogger, SAT and commissioning in connection with the alteration work (Per Unit-Per Station)							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () C-FOIS (NON SOR)</b>							178026.71	
1	C1	1.00	Numbers	165200.00	165200.00	AT Par	165200.00	Rs.
	<b>Description:-</b> Supply, installation, testing and commissioning of 02 100/1000 Mbps LAN/08x2 Mbps WAN (8 Nos. G.703 interface). As per RDSO specification No. RDSO/SPN/TC/84/2008 Rev. 0.0 or latest for Tier 2 with free installation and 03 years on site warranty. Make: CISCO/HP or similar. Accepted Make : CISCO 8200L or latest suitable for FOIS							
2	C2	1.00	Numbers	8070.51	8070.51	AT Par	8070.51	Rs.
	<b>Description:-</b> Supply and Installation of 19", 6 U RackWall/Pole Mount with all accessories required for installation purpose of switches Like Electrical fitting, Fan Tray, Patch Panel, Cable Manager, PDU.							
3	C3	5.00	Numbers	154.44	772.20	AT Par	772.20	Rs.
	<b>Description:-</b> Supply of RJ-11 two way rosette box concealed type of reputed make as crabtre MDS, Legrand or similar							
4	C4	5.00	Numbers	540.57	2702.85	AT Par	2702.85	Rs.
	<b>Description:-</b> Supply of RJ-45 I/O concealed type of reputed make as crabtre MDS, Legrand or similar							
5	C5	3.00	Numbers	214.51	643.53	AT Par	643.53	Rs.
	<b>Description:-</b> Supply of GI back box for 4 modules to fix RJ-45/RJ-11/TV sockets into the box with suitable 4 way face plate.							

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

6	C6	3.00	Numbers	212.54	637.62	AT Par	637.62	Rs.
	<b>Description:-</b> Fixing of GI back box of 2 way/4 way/ 6 wat and fixing the RJ-11/ RJ-45/ dish socket and terminating the suitable wires into the socket and installation of suitable face plate as per instruction of site incharges.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () D-IPMPLS (NON SOR)</b>							1213946.76	
1	D1	1.00	Numbers	551244.87	551244.87	AT Par	551244.87	Rs.
	<b>Description:-</b> Supply of Standard 19" Rack Mountable LER (Label Edge Router) IP- MPLS Router with Redundant DC power feed -48V DC nominal, Redundant Controller Card equipped with interfaces: 4 x 10G (optical) SFP+ Ports along with 4 Nos of 40 Kms 10G SFP+ LC Modules distributed in minimum two cards, minimum 2X10G in each card, 8 x 1GbE (Optical) interface along with 8 Nos of 1GbE Single Mode Bi-directional SFP Modules distributed in minimum two cards,minimum4X 1GbE in each card, 4 x 1GbE (Copper) interfaces & Modules, 2 x STM1 channelized optical interface along with 2 Nos of SFP(S.1.1) ModulesCompatible with Existing STM-1 or 2 x 4 port WDMsupport interface and slot for 1 x 16 E1 (G.703), {supply of 16 E1 card is not included in this item and is catered in item number A1(9)}, Mounting kit with all necessary accessories & Software, Perpetual Licenses. As Per RDSO Document No. STT/TAN/IP-MPLS/2020 Version 02 or latest. All the optical interfaces shall be equipped with suitable optics to work on two single mode fibres upto 40km							
2	D2	1.00	Numbers	13985.15	13985.15	AT Par	13985.15	Rs.
	<b>Description:-</b> Transportation, installation, wiring, testing and commissioning of IP- MPLS Router with configuration LER including supply of all accessories like power cable, earthing cable, optical patch cords, UTP patch cords, MCBs etc as per the site requirement for item sl no- 1. (Shifting of all telecom circuit to newly installed IP MPLS system as advised by the site Engineer)							
3	D3	1.00	Numbers	102874.84	102874.84	AT Par	102874.84	Rs.
	<b>Description:-</b> Supply and installation of 16 port E1Card along with Patch panel/KroneModule and wiring for Routers with allaccessories etc.							
4	D4	1.00	Numbers	57418.52	57418.52	AT Par	57418.52	Rs.
	<b>Description:-</b> Supply of 2 x 10G Adapter Interface without 10G SFP+ Modules for LER Routers.							
5	D5	1.00	Numbers	60289.44	60289.44	AT Par	60289.44	Rs.
	<b>Description:-</b> Supply 8 x 1G Adapter Interface (any combination: one nos of 8 x 1G or two nos of 4 x 1G) without SFP for LER Routers							
6	D6	2.00	Numbers	99336.43	198672.86	AT Par	198672.86	Rs.
	<b>Description:-</b> Supply of 10G SFP+ Module with 40 Km range for above Routers.							
7	D7	2.00	Numbers	1758.20	3516.40	AT Par	3516.40	Rs.
	<b>Description:-</b> Supply of Single Mode 1 G SFP-BX (10 Kms) Single fiber for above Switches.							
8	D8	2.00	Numbers	5658.12	11316.23	AT Par	11316.23	Rs.
	<b>Description:-</b> Supply of 10/100/1000 Base-T Copper Ethernet Transceiver SFP Module with all accessories.							
9	D9	1.00	Numbers	4087.66	4087.66	AT Par	4087.66	Rs.
	<b>Description:-</b> Supply of Ethernet Surge Protector.							
10	D10	1.00	Numbers	125793.90	125793.90	AT Par	125793.90	Rs.
	<b>Description:-</b> Supply and Installation of Standard 19-inch Rack Mountable Layer 3, 24 Port Managed Switch with 24 Nos of10/100/1000 Ethernet Ports with POE +Support and Redundant AC PowerSupply, Dedicated Stacking Module 4 x10 GE SFP+ Ports for uplink including 4Nos of 10 GE BX SM SFP+ Modules, asper para number 4.0 of RDSO SPECIFICATION NO.RDSO/SPN/TC/83/2020 Rev 2 or latest. Mounting Kit with all necessary accessories to be supplied.							
11	D11	1.00	Numbers	17416.30	17416.30	AT Par	17416.30	Rs.
	<b>Description:-</b> Supply, Installation and Commissioning for 4 Port Gateway to support 4 Port Concurrent Emergency Communication at HQ/Way station to support 4 wire ports/ 4 Port Gateway with built in 2 wires to 4 wire Hybrid convertor to support 4 wire output as Per Clause 13 of RDSO/SPN/TC/99/2012Rev.2 or latest.							
12	D12	2.00	Numbers	21490.05	42980.09	AT Par	42980.09	Rs.
	<b>Description:-</b> Supply, Installation, Testing and Commissioning of Control IP Telephones with hands free and gooseneck operation for way side station as per clause 11 of RDSO/SPN/TC/99/2012 Rev.2 or latest.							
13	D13	2.00	Numbers	12175.25	24350.50	AT Par	24350.50	Rs.
	<b>Description:-</b> Supply of SIP Based Medium IP Phonewith 240X120 Pixel or better Graphical LCD with Backlight, Minimum 8 No of One Touch line key as per Specification.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () E-VSS (NON SOR)</b>							6684308.63	

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

1	E1	25.00	Numbers	15788.00	394700.00	AT Par	394700.00	Rs.
	<b>Description:-</b> Supply, Installation, Testing and Commissioning of Full HD Fixed Dome type IP Colour Camera along with 128GB or Higher SD Card, Housing & Mount and all accessories required for installation purposes as per RDSO Spec No RDSO/SPN/TC/65/2021, Rev 6.0 amendt 3 or latest.							
2	E2	36.00	Numbers	15788.00	568368.00	AT Par	568368.00	Rs.
	<b>Description:-</b> Supply, Installation, Testing and Commissioning of Full HD Fixed Bullet type IP Colour Camera along with 128 GB or Higher SD Card, housing and mount and all accessories required for installation purposes per RDSO Spec No RDSO/SPN/TC/65/2021,Rev 6.0 amendt 3 or latest.							
3	E3	15.00	Numbers	59260.00	888900.00	AT Par	888900.00	Rs.
	<b>Description:-</b> Supply, Installation, Testing and Commissioning of Full HD PTZ type IP Colour Camera along with 128 GB or Higher SD Card, housing and mount and all accessories required for installation purposes as per RDSO Spec No RDSO/SPN/TC/65/2021, Rev 6.0 amendt 3 or latest.							
4	E4	76.00	Numbers	9912.00	753312.00	AT Par	753312.00	Rs.
	<b>Description:-</b> Supply Installation, Testing and Commissioning of Software for VMS and Video Recording software. (Per camera Licence means Video Management and video Recording at multiple locations such as Station, RPF Post & DC Server room covered by the same license) as per technical spec and functional requirement as per RDSO Spec No RDSO/SPN/TC/65/2021 Version 6.0 with Amendment No. 3 or latest.							
5	E5	61.00	Numbers	13452.00	820572.00	AT Par	820572.00	Rs.
	<b>Description:-</b> Supply of Video Analytic Server software complete with all accessories (License per camera means Video analytic at multiple locations such as Station, RPF Post & Security control by same license) as per RDSO Spec No RDSO/SPN/TC/65/2021 Version 6.0 with Amendment No. 3 or latest.							
6	E6	76.00	Lot	11387.84	865475.84	AT Par	865475.84	Rs.
	<b>Description:-</b> Supply, installation Testing & Commissioning of Storage System for 30 days recording at Station/ RPF/GRP Thane/Post/Sites for recording of cameras from the cluster of the station along with all accessories required for installation purposes. Note : Bidders are required to quote the price for complete storage as a LOT at RPF Thana for all types of Cameras mentioned in the Schedule as per RDSO Spec No RDSO/SPN/TC/65/2021 Version 6.0 with Amendment No. 1 or I & 2 latest. Payment shall be made as per 30days storage per camera basis, i.e. 1 LOT provided by the tenderer this includes supply, installation and commissioning of Hardware, Software and perpetual license of each camera and all the accessories required for installation.							
7	E7	3.00	Numbers	162840.00	488520.00	AT Par	488520.00	Rs.
	<b>Description:-</b> Supply Installation Testing and Commissioning of PC WorkStation for Viewing, Monitoring and System Management. RDSO Spec No RDSO/SPN/TC/65/2021, Rev 6.0 with Amendment No. 1 2 & 3 or latest. or latest.							
8	E8	22.00	Numbers	4956.15	109035.30	AT Par	109035.30	Rs.
	<b>Description:-</b> Supply and Erection of 15 Feet GI pipe of 100 mm dia 4.5m thickness of medium quality ISI no: 1230(Part 1) 1990. Having an iron base plate 10 mm thick x 30 cmx 30cm welded at the bottom of the pipe with four supports of iron bars of sizes 10 mm dia. The 3 feet pipe shall be buried in the ground and 12 feet shall be above the ground. The work includes digging of the pit on Platform, laying of cable in between poles in suitable underground GI pipes, erection of pole and filling the pit with 1:3:4 cement, concrete and sand. Final plastering should be done on the surface. The iron bracket on the top of the pole shall be provided to fix the CCTV camera, Protection cover and junction box. The work includes supply of all the materials required in this item.							
9	E9	8.00	Numbers	15161.36	121290.91	AT Par	121290.91	Rs.
	<b>Description:-</b> Supply and Installation of 8TB Hard disk drive internal for CCTV for DVR/NVR (WD) (WD Surveillance purpose of 8 TB hard disk device internal for CCTV for NVR .							
10	E10	8.00	Numbers	28096.10	224768.76	AT Par	224768.76	Rs.
	<b>Description:-</b> Supply, configuration and installation of 16 input and 16 output channel NVR							
11	E11	4.00	Numbers	128146.26	512585.04	AT Par	512585.04	Rs.
	<b>Description:-</b> Supply, Installation and Commissioning of 3 KVA Online UPS with 2 Hrs SMF Battery Backup. This also includes supply of one set MF battery of suitable AH capacity Rack and one set compatible MCBs complete with cover & fixing materials, one earth leakage circuit breaker arrangement.							
12	E12	18.00	Numbers	24780.00	446040.00	AT Par	446040.00	Rs.
	<b>Description:-</b> Supply and installation of Layer 2 Switch, Minimum 8+2 Port Manageable with 8 Nos 10/100/1000 Mbps Ethernet port, POE+ & Single Fiber 2 Nos 1G SFP Port with BX SM SFP Optical Modules loaded. with all accessories etc. As per RDSO/SPN/TC/65/2021 Version 6.0 with Amendment No.1,2 & 3 or latest.							
13	E13	18.00	Numbers	6938.00	124884.00	AT Par	124884.00	Rs.

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

13	<b>Description:-</b> Supply and Termination at Wall/Rack Mountable of 12 Fiber FDMS 12 SC Type FDMS loaded with SC '0' DB & Adaptor SC SM Pigtail 1.5 meters all accessories required for installation suitable for splicing and front patching of 12 fibre cable with all accessories and terminating the optical fibre with splicing and front patching in the equipment room or places as required by the Railway representative (OFC patch cord and all other materials required for the splicing are to be supplied by the Contractor.							
14	E14	2000.00	Metre	14.00	28000.00	AT Par	28000.00	Rs.
	<b>Description:-</b> Blowing / Drawing of OFC 24F/12F/6F Power Cable and CAT Cable (including crimping) through PVC Conduit/Duct/DWC/GI Pipe.							
15	E15	34.00	Numbers	6004.30	204146.20	AT Par	204146.20	Rs.
	<b>Description:-</b> Supply and fixing of outdoor 6U cabinet (IP65 or better) with locking facility, suitable for housing one 8-port switch, 150AH tubular battery, solar charging controller, NVR, DC-DC converters with adequate free space for air flow. The cabinet should be fixed in the out door pole. Necessary power adapter ana all accessories required for this work shall be supplied by the contractor							
16	E16	13.00	Numbers	10285.43	133710.58	AT Par	133710.58	Rs.
	<b>Description:-</b> Supply and Installation of 19" 9U Rack Wall/Pole Mount ,with all accessories Like Electrical fitting, Fan Tray, Patch Panel, Cable Manager, PDU .							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule ( ) F-PA SYSTEM (NON SOR)</b>							565367.02	
1	F1	4.00	Numbers	80129.09	320516.36	AT Par	320516.36	Rs.
	<b>Description:-</b> Supply, installation and commissioning of Electronic Train Information Announcement System as per Technical specification							
2	F2	4.00	Numbers	5367.46	21469.84	AT Par	21469.84	Rs.
	<b>Description:-</b> Supply of 4G Volte Fixed Wireless phone as per specifications.							
3	F3	4.00	Numbers	10058.56	40234.24	AT Par	40234.24	Rs.
	<b>Description:-</b> Supply & installation of Counter Communication System includeing all the accessories required for installation similar to Ahuja Model CCS 2300 or better							
4	F4	8.00	Numbers	1688.10	13504.82	AT Par	13504.82	Rs.
	<b>Description:-</b> Supply and installation of unidirectional speakers similar to Ahuja model UHC-30XT including necessary fixtures required for the work and fixing the same.							
5	F5	4.00	Numbers	2495.47	9981.87	AT Par	9981.87	Rs.
	<b>Description:-</b> Supply and installation of Column Speakers similar to Ahuja model ASC-20T including necessary fixtures required for the work and fixing the same							
6	F6	4.00	Numbers	2777.25	11109.00	AT Par	11109.00	Rs.
	<b>Description:-</b> Supply installation and commissioning of Ahuja speakers similar to model/make SP-6305TD.							
7	F7	4.00	Numbers	3189.27	12757.08	AT Par	12757.08	Rs.
	<b>Description:-</b> Supply and fixing of Microphone similar to Ahuja model PRO-2200SC DX, with suitable stand to the control console cabinet, as directed at site.							
8	F8	4.00	Numbers	12505.07	50020.27	AT Par	50020.27	Rs.
	<b>Description:-</b> Supply & installation of Audio Amplifier of Make: AHUJA Model: SSA-250DP or similar or Better. workable on 230V AC/12VDC supply with protection							
9	F9	80.00	Numbers	371.95	29755.82	AT Par	29755.82	Rs.
	<b>Description:-</b> Cutting of trench across/ on the platform for a depth of 10cms and width of 10 cms with marble cutting machine and filling the trench after laying pipe/cable and restoring the surface with laster/conbextra cement etc.							
10	F10	400.00	Numbers	85.85	34340.00	AT Par	34340.00	Rs.
	<b>Description:-</b> Supply and Fixing of PVC pipes concealed type duly breaking concrete bed/wall levelling surface by usingcement ,sand etc and drawing different types of cables through it ( all the required material for except cable & pipe should be arranged by the contractor).							
11	F11	12.00	Numbers	251.27	3015.20	AT Par	3015.20	Rs.
	<b>Description:-</b> Supply and installation of 5A power Socket with module as per site requirement.							
12	F12	4.00	Numbers	4665.63	18662.52	AT Par	18662.52	Rs.
	<b>Description:-</b> Installation, Testing & Commissioning of Digital Clocks as per Specification							

**3. ITEM BREAKUP**

<b>Schedule</b>	Schedule A-SWR SOR 2025
<b>Item- 1</b>	Chapter-1 Signal Unit & Associated Items

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01010100	Supply of Signal aspect - LED Signal Lighting Unit Red with current regulator, as per RDSO specification No. RDSO/SPN/199/2010 revision 1.1 or latest.	Numbers	97.00	9409.00	912673.00
2	01010200	Supply of Signal aspect - LED Signal Lighting Unit Yellow with current regulator, as per RDSO specification No. RDSO/SPN/199/2010 revision 1.1 or latest.	Numbers	112.00	9846.00	1102752.00
3	01010300	Supply of Signal aspect - LED Signal Lighting Unit Green with current regulator, as per RDSO specification No. RDSO/SPN/199/2010 revision 1.1 or latest.	Numbers	54.00	10737.00	579798.00
4	01010400	Supply of Signal aspect -Route LED Signal Lighting Unit with current regulator, as per RDSO specification No. RDSO/SPN/153/2011 Rev 4.1 or latest.	Numbers	155.00	7737.00	1199235.00
5	01010500	Supply of Signal aspect -Calling On LED Signal Lighting Unit with current regulator, as per RDSO specification No. RDSO/SPN/153/2011 Rev 4.1 or latest.	Numbers	50.00	8330.00	416500.00
6	01010600	Supply of Signal aspect -Shunt LED Signal Lighting Unit with current regulator, as per RDSO specification No. RDSO/SPN/153/2011 Rev 4.1 or latest.	Numbers	115.00	7236.00	832140.00
7	01010700	Supply of Multi Lamp Numeric Route indicator (LED Single digit) from 1 to 9 & G with white LED (with housing) as per the latest specification.	Set	7.00	109520.00	766640.00
8	01010900	Supply of Colour light Signal Pole 140mm dia, 4.6m tall as per latest specification IRS:S 6-81 Rev.3 or latest.	Numbers	53.00	7388.00	391564.00
9	01011000	Supply of Colour light Signal Pole 140mm dia, 3.6m tall as per latest specification IRS:S 6-81 Rev.3 or latest	Numbers	63.00	6622.00	417186.00
10	01011100	Supply of CLS ladder with Platform and Shoes to suit CLS pole 4.6m, as per latest specification.	Set	53.00	6974.00	369622.00
11	01011200	Supply of CLS ladder with Platform and Shoes to suit CLS pole 3.6m, as per latest specification.	Set	63.00	6726.00	423738.00
12	01011300	Supply of Surface Base to suit CLS Signal Pole 140mm dia as per latest specification.	Numbers	116.00	8966.00	1040056.00
13	01011400	Supply of Off-set brackets - large made of cast iron with necessary inspection as per latest specification.	Numbers	15.00	4127.00	61905.00
14	01011500	Supply of Off-set brackets - small made of cast iron with necessary inspection as per latest specification.	Numbers	22.00	2797.00	61534.00



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

15	01011900	Supply of FRP 2 aspect color light unit assembly as per RDSO Spec. No. RDSO/SPN/194/2006 Rev .2.0 or latest (Terminal box, mounting socket, hood, side flange and fixing bolt & nut, eye bolt, M12 bolt-3 Nos. and Fixing bolt 08 Nos)	Numbers	67.00	34696.00	2324632.00
16	01012000	Supply of FRP 3 aspect color light unit assembly as per RDSO Spec. No. RDSO/SPN/ 194/2006 Rev.2.0 or latest (Terminal box, mounting socket, hood, side flange and fixing bolt & nut, eye bolt, M12 bolt-3 Nos. and Fixing bolt 12 Nos)	Numbers	49.00	37009.00	1813441.00
17	01012100	Supply of FRP 4 aspect color light unit assembly as per RDSO Spec. No. RDSO/SPN/194/2006 Rev .2.0 or latest (Terminal box, mounting socket, hood, side flange and fixing bolt & nut, eye bolt, M12 bolt-3 Nos. and Fixing bolt 12 Nos)	Numbers	8.00	37965.00	303720.00
18	01012200	Excavation of pit, casting concrete foundation as per Drg.No.SG/SWR/052 using metallic templates, for erection of colour light signals up to 4 aspects. [Foundation bolts, cement, river sand, stone jelly of size 20/25mm dia and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Numbers	116.00	11255.00	1305580.00
19	01012300	Erection of surface base, signal pole, mounting of colour light signal up to 4 aspects complete on Signal pole/ Off-set bracket, (for LED/ filament bulbs) with lenses, triple pole lamp holder, filament switching units, CLS transformer, current regulators (whichever is applicable), fixing of ladder with platform complete and concreting of ladder shoe, fixing of number plates, marker board, lens guard, fixing of speed limit board wherever necessary,termination of tail cables, wiring of signal unit with PVC wire 3/0.75mm copper, provision of EWS locks, and painting of one coat of red oxide and two coats of aluminium/ enamel paints. When the aspect is fixed on Offset bracket using 'U' bolts and nuts, a through bolt shall be provided by drilling a hole in the signal pole to prevent the offset bracket from sliding down. ['U' bolts and nuts, through bolts and nuts, cement, stone jelly 20/25mm dia, river sand, Signal Collar-rings, wire PVC 3/0.75mm copper, lens-guard, all fixing bolts and nuts, lead wool, paints PVC/Nylon sleeves, enameled number plates. enameled marker boards, EWS locks, and all other miscellaneous materials for the work shall be supplied by the Contractor].	Numbers	116.00	12131.00	1407196.00
20	01012500	Supply of Calling On Signal-complete as per latest specification.	Numbers	74.00	3874.00	286676.00



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

21	01012700	Fixing of Offset brackets using 'U' bolts and nuts, erection of Calling On Signals/ 'A' marker lights, termination of tail cables and wiring using wire PVC 3/0.75mm copper, provision of EWS lock, number plates/ marker boards and painting. The work also includes drilling suitable holes on the CLS post and provision of a through bolt with nut to prevent the Offset bracket from slipping down. (Supply of Calling On Signal/ 'A' marker light, LED aspects/holders & bulbs and Off set brackets is not covered in this item). ['U' bolts and nuts, through bolts with nut, wire PVC 3/0.75mm copper, EWS lock, Enameled number plates, wire mesh, PVC/Nylon sleeves, paints and all other miscellaneous materials shall be supplied by the contractor].	Numbers	70.00	3207.00	224490.00
22	01012800	Supply of Post type Shunt Signal - complete with hood etc., as per latest specification.	Numbers	23.00	5502.00	126546.00
23	01012900	Fixing of Offset brackets using 'U' bolts and nuts, erection of Post type shunt Signal, termination of tail cables and wiring using wire PVC 3/0.75mm copper, provision of EWS lock and painting of one coat of red oxide and two coats of aluminium/ enameled paint. The work also includes drilling suitable holes on the CLS post and provision of a through bolt with nut to prevent the Off-set bracket from slipping down. (Supply of Post type Shunt Signals, LED aspects and Off set brackets is not covered in this item). ['U' bolts and nuts, through bolts with nut, wire PVC 3/0.75mm copper, EWS lock, Enameled number plates, wire mesh, PVC/Nylon sleeves, paints and all other miscellaneous materials shall be supplied by the contractor].	Numbers	23.00	3276.00	75348.00
24	01013000	Supply of Ground type shunt signal - complete with surface base, signal pole, hood etc., as per latest specification.	Numbers	31.00	8550.00	265050.00
25	01013100	Excavation of pit and casting concrete foundation as per Drg, No.SG/SWR/053 using metallic templates, for erection of Ground type colour light Shunt Signal. [Foundation bolts and nuts, cement, river sand, stone jelly of size 20/25mm and all other miscellaneous materials for the work shall be supplied by the Contractor].	Numbers	31.00	5727.00	177537.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

26	01013200	Erection of Ground type shunt signal complete including surface base, signal pole, LED aspects/ lenses, bulbs with holders (whichever is applicable), fixing of lens guards, number plate, termination of tail cables, wiring of signal unit with PVC wire 3/0.75mm copper, provision of EWS locks and painting of one coat of red oxide and two coats of Aluminium/ enamel paint. (Supply of Ground type shunt signal complete including surface base, signal pole, LED aspects, holder, bulbs, and lenses is not covered in this item). [Wire PVC 3/0.75mm copper, lens guards, EWS locks, Enameled number plates, bolts and nuts, lead wool, paints and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	31.00	4768.00	147808.00
27	01013300	Supply of Junction type route indicator - 5 unit arm - 1 way with mounting sockets, as per latest specification.	Numbers	6.00	21939.00	131634.00
28	01013400	Supply of Junction type route indicator - 5 unit arm - 2 way with mounting sockets, as per latest specification.	Numbers	3.00	29676.00	89028.00
29	01013600	Supply of Junction type route indicator - 5 unit arm - 4 way with mounting sockets, as per latest specification.	Numbers	4.00	42928.00	171712.00
30	01013900	Fixing of Junction type Route Indicators - 1 way complete/ fixing of additional limb to the existing route indicators, termination of tail cables, wiring as per approved circuits diagram using wire PVC3/0.75mm copper, provision of required No of EWS locks, wire mesh, and painting. (Supply of junction type Route Indicators - complete and additional limb is not covered in this item). [3/0.75mm wire PVC, fixing bolts and nuts, EWS locks, wire mesh, PVC/Nylon sleeves, paints and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	6.00	3194.00	19164.00
31	01014000	Fixing of Junction type Route Indicators - 2 way complete/ fixing of additional limb to the existing route indicators, termination of tail cables, wiring as per approved circuits diagram using wire PVC3/0.75mm copper, provision of required No of EWS locks, wire mesh, and painting. (Supply of junction type Route Indicators - complete and additional limb is not covered in this item). [3/0.75mm wire PVC, fixing bolts and nuts, EWS locks, wire mesh, PVC/Nylon sleeves, paints and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	2.00	3320.00	6640.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

32	01014200	Fixing of Junction type Route Indicators - 4 way complete/ fixing of additional limb to the existing route indicators, termination of tail cables, wiring as per approved circuits diagram using wire PVC3/0.75mm copper, provision of required No of EWS locks, wire mesh, and painting. (Supply of junction type Route Indicators - complete and additional limb is not covered in this item). [3/0.75mm wire PVC, fixing bolts and nuts, EWS locks, wire mesh, PVC/Nylon sleeves, paints and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	4.00	5376.00	21504.00
33	01014500	Fixing and wiring of additional limb to existing route indicator.	Numbers	10.00	1422.00	14220.00
34	01014600	Supply and provision of Screening arrangement for Signals in RE area as per standard practice. The work comprises of providing MS angle frame and wire mesh in order to avoid close proximity of OHE wires. The work also includes provision of earthing wire using 4 SWG GI wires from the screening arrangement up to surface base as per the instructions of Railway representative at site. [All materials required for this work shall be supplied by the Contractor].	Numbers	55.00	1950.00	107250.00
35	01014800	Supply and fixing of Retro-reflective type Goods Warning Board as per practice & SEM (Angle/Rail is to be supplied by Railway).	Numbers	8.00	9560.00	76480.00
36	01014900	Supply and fixing of retro-reflective type Calling- On/STOP/BSLB/Legend boards as per practice & SEM (Angle/Rail is to be supplied by Railway).	Numbers	75.00	7856.00	589200.00
37	01015000	Supply of L angles 75x75x10 mm as per required lengths for Various Boards like Goods warning/Calling on/Axle counter & etc (1 PER UNIT= 1 PER TON)	Per Unit	5.00	82531.00	412655.00
38	01015100	Manufacturing, Supply, painting and fixing of markers of G/P/C/A/IB Markers/Number plates as per IRSEM DRG.No 19-D10 on MS sheet of thickness 3mm. Miscellaneous materials required for fixing is to be supplied by contractor.	Each Module	28.00	584.00	16352.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

39	01015200	Releasing of Existing tail cables and drawal of new tail cables for colour light signals up to 4 aspects with or without route indicator, post type shunt signal and Calling on signals, termination of new tail cables and wiring using wire PVC3/0.75mm copper. This work includes drawal of new tail cables into the signal post duly releasing the existing tail cables from the relevant signals and re-surfacing the earth excavated as instructed by Railway representative at site. [Wire PVC3/0.75mm copper, paints and all other miscellaneous materials shall be supplied by the Contractor]. {Per Unit: Per Cable}	Per Unit	13.00	1614.00	20982.00
40	01015300	Dismantling and releasing of Existing Colour light Signals complete (upto 4 aspects) with or without Route Indicators, calling on signals, shunt signals etc., carefully without any damage to the gadgets, accounting and stacking them neatly at a place as instructed by Railway representative at site. The work includes breaking the concrete foundation, closing the resultant pit and resurfacing it by ramming and levelling.	Numbers	50.00	3630.00	181500.00
41	01015400	Releasing of Existing ground type shunt signals along with surface base, signal post etc carefully without any damage, accounting and stacking them neatly at a place as instructed by Railway representative at site. The work also includes breaking and removal of concrete foundation and refilling of the resultant pit by ramming and levelling.	Numbers	10.00	2443.00	24430.00
42	01015500	Breaking of Concrete and releasing of STOP board/Warning board/LEGEND boards along with rails, accounting and stacking them neatly at a place as instructed by Railway representative at site. Also, the resultant pits shall be resurfaced and consolidating by ramming and levelling.	Numbers	22.00	1860.00	40920.00
43	01015600	Painting of Existing colour light Signals as per standard practice. The work involves scraping of old paint, applying one coat of Red oxide and two coats of Aluminium/enamel paint on the Signals - complete as instructed by Railway representative at site. [Aluminium paint, red-oxide and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Numbers	25.00	2626.00	65650.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

44	01015700	Fixing Multi lamp route indicators - complete, termination of tail cables, wiring as per approved circuit diagram using wire PVC 3/0.75mm & 16/0.2mm copper, provision of EWS - required No's., and painting. (Supply of route indicators is not covered in this item) [Fixing bolts and nuts, EWS locks wires PVC 3/0.75mm & 16/0.2mm copper, wire mesh, PVC/Nylon sleeves, paints and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	4.00	5039.00	20156.00
45	01015800	Casting concrete foundation and erection and painting of boards with LEGEND such as "Draw close if signal is at on" at the required places as per the Signalling plan. The work involves concreting of rail post to a size of 600mm x 600mm x 900mm, and fixing the board to the rail using MS clamps, bolts and nuts. (Supply of boards is not covered in this item. Rails of different lengths will be supplied by Railways and the Contractor has to cut them to the required lengths) [Stone jelly of size 20/25mm dia, river sand, cement, M.S.Flats, fixing bolts and nuts, paint and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Numbers	10.00	3570.00	35700.00
					<b>Total</b>	<b>19078544.00</b>
<b>Item- 2</b>	Chapter-2 Location Box & Associated Items					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	02020100	Supply of apparatus cases Full size as per latest specification/drawing.	Numbers	336.00	24248.00	8147328.00
2	02020200	Supply of apparatus cases Half size as per latest specification/ drawing.	Numbers	129.00	17320.00	2234280.00
3	02020500	Supply ARA Terminal block 6 Way, 25 mm Centre, made up of PBT as per RDSO Specification No. IRS.S.75/2006 (Rev.2) or latest.	Numbers	12200.00	381.00	4648200.00
4	02020600	Supply of PBT terminals 60mm centre as per RDSO Specification No. IRS.S.75/2006 (Rev.2) or latest.	Numbers	1820.00	112.00	203840.00
5	02020700	Supply of 60mm center PBT Fuse blocks as per RDSO Specification No. IRS.S.75/2006 (Rev.2) or latest.	Numbers	870.00	153.00	133110.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

6	02021000	Excavation of pit, casting concrete foundation and erection of Apparatus Case Full size as per Drg. No. SG/SWR/055 and fixing of 2 nos of "E" type locks, one for the front door and another for the back door, fixing of one hard wood shelf plank 37mm thick and painting the apparatus case inside and outside with one coat of red oxide and two coats of aluminium paints, along with painting of termination and equipment particulars on the doors of apparatus cases as per instructions of railway representative at site. (Supply of apparatus case is not included in this item). [ Foundation bolts & nuts, 'E' type locks, cement, river sand, stone jelly of size 20/25mm, hardwood plank of 37mm thick, paints, varnish, fixing bolts & nuts and all other miscellaneous materials required for the work shall be supplied by the contractor].	Numbers	336.00	21778.00	7317408.00
7	02021100	Excavation of pit, casting concrete foundation and erection of Apparatus Case Half size as per Drg, No.SG/SWR/056, fixing one 'E' type lock for the front door and latching arrangement for the back door, and fixing of one hardwood shelf plank 37mm thick and painting the apparatus case inside and outside with one coat of red-oxide and two coats of aluminium paints. (Supply of apparatus case is not included in this item). [Foundation bolts and nuts, cement, 'E' type locks, river sand, stone jelly of size 20/25mm, 37mm hard wood planks, latching arrangements, paints, varnish, fixing bolts & nuts and all other miscellaneous materials required for the work shall be supplied by the Contractor]	Numbers	129.00	15363.00	1981827.00
8	02021400	Excavation of pit in and around the existing Full location boxes very carefully without damaging the working cables and Shifting and turning the Full location boxes (Apparatus Cases) to clear of the infringement as instructed by the Railway representative at site. The work includes ensuring the safety of the signaling system, releasing the cable coils to give access for shifting/turning the location boxes. Necessary masonry work and earth work in and around the location boxes to the required level shall be done as instructed by the Railway representative at site. If the existing earth connections to the location boxes are disturbed, the earth wires shall be properly re-connected. [All materials required for the work shall be supplied by the Contractor].	Numbers	40.00	5786.00	231440.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

9	02021500	Excavation of pit in and around the existing Half location boxes very carefully without damaging the working cables and Shifting and turning the Half location boxes (Apparatus Cases) to clear of the infringement as instructed by the Railway representative at site. The work includes ensuring the safety of the signaling system, releasing the cable coils to give access for shifting/turning the location boxes. Necessary masonry work and earth work in and around the location boxes to the required level shall be done as instructed by the Railway representative at site. If the existing earth connections to the location boxes are disturbed, the earth wires shall be properly re-connected. [All materials required for the work shall be supplied by the Contractor].	Numbers	30.00	3830.00	114900.00
---	----------	---	---------	-------	---------	-----------



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

10	02021600	Termination of main, tail, signalling and power cables on 25/60mm PBT terminals on phenolic sheet and internal wiring on terminal in new apparatus cases, cable termination boxes and in gate lodges excluding cable termination rack at relay room. The work includes fixing of all new cables by teakwood clamp on teakwood base plank, fixing of phenolic synthetic industrial fiber base fine waves cotton fiber board 6mm thick for terminal board to suit each apparatus case, varnishing all teakwood items, fixing of terminals/ fuse blocks on the terminal board, drilling of necessary holes, termination of cables, wiring, identification of cables using aluminium tags with letters punched neatly, as per approved circuit diagram and cable plan painting of particulars on sleeves and also on the inner side of the doors of apparatus case. After terminations are over, the side openings of apparatus case foundation shall be closed with brick work, cement plastered, the inter space filled with sand up to base level and the bottom surface shall be sealed with sealing compound. (Supply of PBT terminals and fuse blocks is not covered in this item). { cement, teakwood cable clamp 50mmX 50mm, base planks 100mm x 25mm, phenolic synthetic industrial fiber base fine weave cotton fiber sheet - 6mm thick to IS specification 2036 -1995 - type F5, PVC / Nylon sleeves , varnish, paints, bolts, nuts, and washers, non-deteriorating type of fuses of various capacities, Aluminium cable tags, sealing compound, country bricks 220mm X 100mm X 60mm, copper bus bars, brass screw, river sand, wire PVC 3/0.75mm copper and other miscellaneous materials shall be supplied by the contractor)	Numbers	52600.00	205.00	10783000.00
----	----------	--	---------	----------	--------	-------------

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

11	02021700	Termination of main, tail, signalling and power cables on PBT fuse block on phenolic sheet and internal wiring on fuse blocks in new apparatus cases, cable termination boxes and in gate lodges excluding cable termination rack at relay room. The work includes fixing of all new cables by teakwood clamp on teakwood base plank, fixing of phenolic synthetic industrial fiber base fine waves cotton fiber board 6mm thick for terminal board to suit each apparatus case, varnishing all teakwood items, fixing of terminals/ fuse blocks on the terminal board, drilling of necessary holes, termination of cables, wiring, identification of cables using aluminium tags with letters punched neatly, as per approved circuit diagram and cable plan painting of particulars on sleeves and also on the inner side of the doors of apparatus case. After terminations are over, the side openings of apparatus case foundation shall be closed with brick work, cement plastered, the inter space filled with sand up to base level and the bottom surface shall be sealed with sealing compound. (Supply of PBT terminals and fuse blocks is not covered in this item). ( cement, teakwood cable clamp 50mmX 50mm, base planks 100mm x 25mm, phenolic synthetic industrial fiber base fine weave cotton fiber sheet - 6mm thick to IS specification 2036 -1995 - type F5, PVC / Nylon sleeves , varnish, paints, bolts, nuts, and washers, non-deteriorating type of fuses of various capacities, Aluminium cable tags, sealing compound, country bricks 220mm X 100mm X 60mm, copper bus bars, brass screw, sand, wire PVC 3/0.75mm copper and other miscellaneous materials shall be supplied by the contractor)	Numbers	860.00	250.00	215000.00
----	----------	--	---------	--------	--------	-----------

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

12	02021800	Termination of main, tail, Signaling and power cables of Cables on 25/60mm PBT terminals and internal wiring by fixing additional terminals on the Existing terminal boards of apparatus cases, cable termination boxes etc. The work includes fixing of all new cables by teakwood clamp on teakwood base plank, varnishing all teakwood items, fixing of terminals/ fuse blocks, on the existing terminal boards, drilling of necessary holes, termination of cables, wiring, identification of cables using aluminium tags with letters punched neatly, as per approved circuit diagram and cable plan, painting of particulars on sleeves and also on the inner side of the doors of apparatus cases. After terminations are over, the side openings of apparatus case foundation shall be closed with brick work, cement plastered, the inter-space filled with sand up to base level and the bottom surface shall be sealed with sealing compound. (Supply of PBT terminals and Fuse blocks is not covered in this item). [Cement, teakwood cable clamp 50mm x 50mm, base planks 100mm x 25mm, PVC/Nylon sleeves, varnish, paints, bolts, nuts and washers, Non-deteriorating type of fuses of various capacities, Aluminium cable tags, sealing compound, country bricks 220mm x 100mm x 60mm, copper bus bars, brass screw, sand, wire PVC3/0.75mm copper and other miscellaneous materials shall be supplied by the Contractor].	Numbers	2150.00	173.00	371950.00
----	----------	---	---------	---------	--------	-----------

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

13	02021900	Termination of main, tail, Signaling and power cables of Cables on PBT fuse block and internal wiring by fixing additional fuse blocks on the Existing terminal boards of apparatus cases, cable termination boxes etc. The work includes fixing of all new cables by teakwood clamp on teakwood base plank, varnishing all teakwood items, fixing of terminals/ fuse blocks, on the existing terminal boards, drilling of necessary holes, termination of cables, wiring, identification of cables using aluminium tags with letters punched neatly, as per approved circuit diagram and cable plan, painting of particulars on sleeves and also on the inner side of the doors of apparatus cases. After terminations are over, the side openings of apparatus case foundation shall be closed with brick work, cement plastered, the inter-space filled with sand up to base level and the bottom surface shall be sealed with sealing compound. (Supply of PBT terminals and Fuse blocks is not covered in this item). [Cement, teakwood cable clamp 50mm x 50mm, base planks 100mm x 25mm, PVC/Nylon sleeves, varnish, paints, bolts, nuts and washers, Non-deteriorating type of fuses of various capacities, Aluminium cable tags, sealing compound, country bricks 220mm x 100mm x 60mm, copper bus bars, brass screw, sand, wire PVC3/0.75mm copper and other miscellaneous materials shall be supplied by the Contractor].	Numbers	500.00	216.00	108000.00
14	02022000	Termination of new main/tail cables on the existing terminals/ fuse blocks in apparatus cases/ battery boxes/ CT boxes/ cable termination racks as per approved circuit diagram. The terminal particulars to be repainted /corrected on the doors of apparatus cases/ battery boxes/ cable termination boxes and FTOT index board as instructed by Railway representative at site. This work includes closing the opening created for entry of new cables in the apparatus cases with masonry brick work and sealing the bottom of the apparatus cases/ cable termination racks with cable compound. [Paints, wire PVC 3/0.75mm and 16/0.2mm copper, sealing compound, bricks, cement, sand and all other required miscellaneous materials shall be supplied by the contractor].	Numbers	1700.00	87.00	147900.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

15	02022100	Manufacture and Supply of M.S. Relay Frames of suitable size to Hold up to 4 relays /plug in type HMU as required by Railways and fixing them in apparatus cases for all types of signal control circuits, LC gate control circuit and Point control circuits, fixing of plug boards, relays, resistors and electrolytic condensers on phenolic synthetic industrial fibre base fine weave cotton fibre sheet - 6mm thick to IS specification 2036 - 1995 - Type F5, wiring and termination as per approved circuit diagram and painting the particulars. (Supply of all types of relays, plug boards, connectors, retaining clips and plug in type HMU is not covered in this item). [Wire PVC copper, 3/0.75mm and 16/0.2mm copper, phenolic synthetic industrial fibre base fine weave cotton fibre sheet - 6mm thick to IS specification 2036 - 1995 - Type F5, for fixing resistors and condensers, MS flats 25mm x 6mm brass bolts and nuts, paints, soldering materials, resistors, condensers and all other miscellaneous materials required for the work shall be supplied by the contractor].	Set	89.00	5849.00	520561.00
16	02022200	Manufacture and Supply of M.S. Relay Frames of suitable size to Hold up to 8 relays /plug in type HMU as required by Railways and fixing them in apparatus cases for all types of signal control circuits, LC gate control circuit and Point control circuits, fixing of plug boards, relays, resistors and electrolytic condensers on phenolic synthetic industrial fibre base fine weave cotton fibre sheet - 6mm thick to IS specification 2036-1995 - Type F5, wiring and termination as per approved circuit diagram and painting the particulars. (Supply of all types of relays, plug boards, connectors, retaining clips and plug in type HMU is not covered in this item ). [Wire PVC copper, 3/0.75mm and 16/0.2mm copper, phenolic synthetic industrial fibre base fine weave cotton fibre sheet - 6mm thick to IS specification 2036 - 1995 - Type F5, for fixing resistors and condensers, MS flats 25mm x 6mm brass bolts and nuts, paints, soldering materials, resistors, condensers and all other miscellaneous materials required for the work shall be supplied by the contractor].	Set	33.00	10370.00	342210.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

17	02022300	Manufacture and Supply of M.S. Relay Frames of suitable size to Hold up to 12 relays /plug in type HMU as required by Railways and fixing them in apparatus cases for all types of signal control circuits, LC gate control circuit and Point control circuits, fixing of plug boards, relays, resistors and electrolytic condensers on phenolic synthetic industrial fibre base fine weave cotton fibre sheet - 6mm thick to IS specification 2036 - 1995 - Type F5, wiring and termination as per approved circuit diagram and painting the particulars. (Supply of all types of relays, plug boards, connectors, retaining clips and plug in type HMU is not covered in this item). [Wire PVC copper, 3/0.75mm and 16/0.2mm copper, phenolic synthetic industrial fibre base fine weave cotton fibre sheet - 6mm thick to IS specification 2036 - 1995 - Type F5, for fixing resistors and condensers, MS flats 25mm x 6mm brass bolts and nuts, paints, soldering materials, resistors, condensers and all other miscellaneous materials required for the work shall be supplied by the contractor].	Set	32.00	12450.00	398400.00
18	02022400	Manufacture and Supply of M.S. Relay Frames of suitable size to Hold up to 20 relays /plug in type HMU as required by Railways and fixing them in apparatus cases for all types of signal control circuits, LC gate control circuit and Point control circuits, fixing of plug boards, relays, resistors and electrolytic condensers on phenolic synthetic industrial fibre base fine weave cotton fibre sheet - 6mm thick to IS specification 2036 - 1995 - Type F5, wiring and termination as per approved circuit diagram and painting the particulars. (Supply of all types of relays, plug boards, connectors, retaining clips and plug in type HMU is not covered in this item ). [Wire PVC copper, 3/0.75mm and 16/0.2mm copper, phenolic synthetic industrial fibre base fine weave cotton fibre sheet - 6mm thick to IS specification 2036 - 1995 - Type F5, for fixing resistors and condensers, MS flats 25mm x 6mm brass bolts and nuts, paints, soldering materials, resistors, condensers and all other miscellaneous materials required for the work shall be supplied by the contractor].	Set	2.00	14908.00	29816.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

19	02022500	Painting of existing apparatus case - Full size without disturbing the terminations and equipments inside. The work involves scraping of old paint, applying one coat of Red oxide and two coats of Aluminium paint on the inside and outside the apparatus cases, and painting of termination and equipment particulars on the doors of the apparatus cases, as instructed by Railway representative at site. [Aluminium paint, red-oxide and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Numbers	60.00	2529.00	151740.00
20	02022600	Painting of existing apparatus case - Half size without disturbing the terminations and equipments inside. The work involves scraping of old paint, applying one coat of Red oxide and two coats of Aluminium paint on the inside and outside the apparatus cases, and painting of termination and equipment particulars on the doors of the apparatus cases, as instructed by Railway representative at site. [Aluminium paint, red-oxide and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Numbers	50.00	2419.00	120950.00
21	02022700	Breaking of concrete and releasing the existing Cable termination boxes, after releasing the base plank, Terminal blocks, Fuse Blocks, Terminal Boards, cut rails, pipes, etc., closing the resultant pits and consolidating it by ramming and levelling. The released materials shall be accounted and stacked neatly at a place as instructed by Railway representative at site.	Numbers	30.00	2144.00	64320.00
22	02022800	Strengthening of foundations of Signals, Full/Half location boxes, by carrying out the earth work around the foundation, ramming of the earth, caring out masonry work from bottom of earth work using country stones and cement masonry to prevent the earth from slipping down the bank.	Numbers	210.00	5708.00	1198680.00
23	02022900	Alterations to painted termination/wiring particulars of functions in the Existing apparatus cases-Full Size, cable termination boxes, etc., on the PVC/ nylon sleeves and painting of new nomenclature on the existing signaling gadgets. This work includes carrying out alterations of particulars on the inner side of the doors of apparatus cases, re-numbering of apparatus cases and cable termination boxes. [Paints and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Numbers	55.00	1746.00	96030.00



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

24	02023000	Alterations to painted termination/wiring particulars of functions in the Existing apparatus cases- Half Size, cable termination boxes, etc., on the PVC/ nylon sleeves and painting of new nomenclature on the existing signaling gadgets. This work includes carrying out alterations of particulars on the inner side of the doors of apparatus cases, re-numbering of apparatus cases and cable termination boxes. [Paints and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Numbers	50.00	916.00	45800.00
25	02023100	Releasing of existing apparatus cases (Full/ Half/ Quartersize) without damage after releasing the shelf planks, Terminal blocks, Fuse Blocks, Terminal Boards, Relays of all types EKTs, Secondary Cells, power equipment's, 'E' type locks, etc., and breaking the concrete foundation. After releasing, the resultant pits are to be closed and consolidated by ramming and levelling. The released materials shall be accounted and stacked at a place as instructed by Railway representative at site.	Numbers	180.00	3434.00	618120.00
26	02023200	Supply of Fencing for Location box GKP.	Set	170.00	43211.00	7345870.00
27	02023300	Fencing for location box duly providing foundation (a pit of size 400mm x 400mm x 1000mm is to be dig and cement concrete foundation in the pit in the ratio 1:3:6 to be casted) and fixing the frames/doors and E- type lock to the fencing with supplied material. The rail post/angular is to be erected up right in the foundation. All materials are to be arranged and used by the contractor (Rail post / angular /frames /Fencing/ E type locks will be supplied by railway). Cutting of rail post / angular / fencing to the required length, transportation to the site is to be done by the contractor.	Set	170.00	5839.00	992630.00
28	02023400	Filling earth around location boxes/signal foundations for a width of 0.5m on all sides, up to a level 150mm below the foundation top. This work includes consolidation of earth by watering and ramming. The earth shall be taken from Railway premises as instructed by Railway representative at site.	Numbers	135.00	196.00	26460.00
					<b>Total</b>	<b>48589770.00</b>
<b>Item- 3</b>	Chapter-3 Point machines					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

1	03030100	Supply of Electric Point Machine - IRS type 220 mm throw with Lock and detector Slides, Cable termination box and clamp lock arrangement with Ground connection, Insulation's etc. for thick web switch ,confirming to RDSO Specification no IRS:S24-2025 Revision 3.0 or latest.	Numbers	96.00	159901.00	15350496.00
2	03030400	Supply of Electric Point Machine - IRS type 143 mm throw with Lock and detector Slides, Cable termination box with suitable ground connections, Insulation's etc. confirming to RDSO Specification no IRS:S24-2025 Revision 3.0 or latest	Numbers	17.00	107575.00	1828775.00
3	03030700	Installation of point machine - IRS type 143 mm and connecting all ground connections including wiring and termination in point machine and inter connections between point machine and CT box through PVC hose pipe with 3/0.75mm and 7/1.40mm copper wire and painting. This work includes provision of insulation to stretcher bars, throw bar lug and "D" bracket wherever required, cutting of notches on the point machines covers to suit crank handle configuration. (Combined type point machine with ground connection, uninsulated stretcher bar, throw bar lug and 'D' brackets will be supplied by Railways. [All types of insulations connected to point work, all type of bolts and nuts, washers spring/flat wire PVC 7/1.4mm copper, PVC hope pipe, paints, PVC/nylon sleeves and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Numbers	16.00	18020.00	288320.00
4	03030800	Installation, termination of cable in termination box, wiring, testing and commissioning of IRS High Thrust point Machine 220mm.This includes fixing of point machine on MS plate fixed on sleepers complete with fixing of anti-theft covers, MS termination boxes, ground connections, required insulation, crank handle ward (wherever required) etc. This also include necessary adjustment and smithy work, drilling of holes on tongue rails, supply of all miscellaneous material such as flat, angle, bolt, nuts, pins etc.	Numbers	94.00	24812.00	2332328.00
5	03030900	Dismantling and releasing of existing Point machines (all types) including ground connections and other accessories available complete without any damage to the gadgets, accounting and stacking them neatly at a place as instructed by Railway representative at site.	Numbers	36.00	2833.00	101988.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

6	03031000	Fabrication and supply of GI termination box for point machine of size 45cm x 23cm x 12 cm, the termination box to be fabricated out of GI sheet 10SWG. The termination box to be provided with 2 nos. of M.S. angle of size 50x50x6mm of length 1000mm each and GI pipe of 40 mm dia and length of 450mm. The termination box is also provided with teak wood plank of size 25 mm thicknesses for fixing of terminals. Necessary bolts, nuts and screws are to be provided for fabrication of termination box. The termination box is to be painted double coat with approved quality of paint black enamel on to the outside and to be painted with white enamel in to inside of the box (All materials are to be procured by the contractor).	Numbers	117.00	4050.00	473850.00
7	03031100	Excavation of pit, erection of Cable termination boxes on rails/L-angle and concreting as per RDSO Drawing , drilling of suitable holes in the box, fixing of 2 Nos. of GI pipes 32mm dia and 300mm long at the bottom with clamp nuts - 12 mm thick, one at the inner side and another at the outer side for each pipe for cable entry and one GI pipe 150mm long 32mm dia for drawal of jumper wires for Point machines etc., fixing of hardwood plank 37mm thick on the bottom, provision of one EWS lock, and painting the boxes inside and outside with one coat of red-oxide and two coats of aluminium paints. (Supply of CT boxes is not covered in this item. Rails of different length shall be supplied by Railways. The contractor shall cut lengthy rails wherever required.) [Cement, iver sand, stone jelly of size20/25mm, paint, varnish, GI Pipes 32mm dia - 300mm long - 2Nos and 150mm long - 1 No., clamp nuts - 12mm thick - 2 Nos. for each pipe, fixing bolts and nuts with washers, EWS locks, paints and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	111.00	6571.00	729381.00
8	03031200	Breaking of concrete and releasing the Existing cable termination boxes, after releasing the base plank, Terminal blocks, Fuse Blocks, Terminal Boards, cut rails, pipes, etc., closing the resultant pits and consolidating it by ramming and levelling. The released materials shall be accounted and stacked neatly at a place as instructed by Railway representative at site.	Numbers	22.00	2166.00	47652.00
					<b>Total</b>	<b>21152790.00</b>
<b>Item- 4</b>	Chapter-4 Track circuits					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

1	04040100	Supply of Track Feed Battery charger, 110V AC as per latest specification No. IRS :S-89-2013 ver 1.0 or latest. Charger shall be of 10Amp output capacity suitable for charging 80AH battery and No. of Lead acid cells, 2/3/4.	Numbers	215.00	5740.00	1234100.00
2	04040200	Supply of B Type choke, confirming to RDSO specification No.IRS:S 65:83 version 1.0 or latest specification.	Numbers	355.00	3620.00	1285100.00
3	04040300	Supply of Track feed regulating resistance disk type 0 to 30 ohms as per Drg.No.SA.20161/06/M or latest.	Numbers	205.00	435.00	89175.00
4	04040500	Supply of Track lead junction box - FRP type with 4 terminals and stumps with necessary inspection as per latest specification/drawing.	Numbers	980.00	2078.00	2036440.00
5	04040700	Supply of UL standard PPTC fuses complies to UL Thermistor standard 1434 with rating -2 Amps.	Numbers	600.00	50.00	30000.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

6	04040800	<p>Provision of DC Single/ Double rail track circuiting Point zone to suit RE/Non-RE areas as per approved signaling plan using Plug-in type track relays. This work includes provision of double bonding, and parallel jumpers, provision of bond wire clips, provision of track lead connections using 2c X 2.5 sq.mm cable, provision of TLJB boxes 2 Nos. at Relay end, 2 Nos. at Feed end and 2 Nos for parallel jumpers as necessary to suit layouts, for each Track Circuit, and termination of jumpers and tail cables in track lead junction boxes, installation of relays, track feed battery chargers to charge up to 4 cells, track feed resistance, B type choke and secondary cells - 80 AH capacity in apparatus cases and wiring with wire PVC 3/0.75mm copper. The work also includes painting of track Circuit No. with Feed end/ Relay end details on the TLJB boxes. The work also includes provision of insulations for gauge tie plates and nose crossing plates wherever required. (Provision of rail joint insulation is not covered in this item) (Uninsulated gauge type plate and nose crossing plate will be supplied by Railways. Supply of track feed battery charger, B type choke, track relays, uncharged secondary cells (2V - 80AH), TLJB boxes with stumps, 2cX2.5 sq.mm cable, is not covered in this item). [track feed resistance, Gauge tie plate and nose crossing plate insulations, PVC/Nylon bushes for TLJB boxes, PVC sleeves, all types of fixing bolts and nuts with spring and flat washers, teakwood stand for fixing track feed resistance, GI bond wire 8 SWG, Channel bond pins, bond wire clips, paints and all other miscellaneous materials shall be supplied by the contractor. Secondary cells-80 AH capacity shall be charged by the contractor through reputed charging agencies].</p>	Numbers	88.00	8996.00	791648.00
---	----------	--	---------	-------	---------	-----------

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

7	04040900	<p>Provision of DC Single/ Double rail track circuit in Other than Point zone to suit RE/Non-RE areas as per approved signaling plan using Plug-in type track relays. This work includes provision of double bonding, and parallel jumpers, provision of bond wire clips, provision of track lead connections using 2c X 2.5 sq.mm cable, provision of TLJB boxes 2 Nos. at Relay end, 2 Nos. at Feed end and 2 Nos for parallel jumpers as necessary to suit layouts, for each Track Circuit, and termination of jumpers and tail cables in track lead junction boxes, installation of relays, track feed battery chargers to charge up to 4 cells, track feed resistance, B type choke and secondary cells - 80 AH capacity in apparatus cases and wiring with wire PVC 3/0.75mm copper. The work also includes painting of track Circuit No. with Feed end/ Relay end details on the TLJB boxes. The work also includes provision of insulations for gauge tie plates and nose crossing plates wherever required. (Provision of rail joint insulation is not covered in this item.) (Uninsulated gauge type plate and nose crossing plate will be supplied by Railways. Supply of track feed battery charger, B type choke, track relays, uncharged secondary cells (2V - 80AH), TLJB boxes with stumps, 2cX2.5 sq.mm cable, is not covered in this item). [track feed resistance, Gauge tie plate and nose crossing plate insulations, PVC/Nylon bushes for TLJB boxes, PVC sleeves, all types of fixing bolts and nuts with spring and flat washers, teakwood stand for fixing track feed resistance, GI bond wire 8 SWG, Channel bond pins, bond wire clips, paints and all other miscellaneous materials shall be supplied by the contractor. Secondary cells-80 AH capacity shall be charged by the contractor through reputed charging agencies].</p>	Numbers	106.00	7211.00	764366.00
---	----------	--	---------	--------	---------	-----------

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

8	04041100	Alteration to existing track circuits at Feed end to suit RE/Non-RE standard as per approved signalling plan. This work includes provision of double bonding and parallel jumpers, provision of bond wire clips, wherever required, shifting of relay end and feed end equipments and re-wiring them, provision of track lead connections wherever necessary using 2c x 2.5 sqmm cable, provision of TLJB boxes and termination of jumpers and tail cables in track lead junction boxes, shifting of Track feed/Track relay set wherever required and wiring with PVC 3/0.75mm copper wire. (Supply of TLJB boxes, 2c x 2.5 sq.mm cable and TLJB boxes with stumps is not covered in the item. Existing Track relays, Track Feed Resistance, Track feed battery chargers, B type Chokes and Charged secondary Cells shall use for this work). [Wire PVC 3/0.75mm, PVC/ Nylon bushes for TLJB boxes, PVC sleeves, all types of bolts and nuts with spring and flat washers, teakwood stand for fixing track feed resistance, GI bond wire 8 SWG, Channel bond pins, bond wire clips, paints and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	12.00	4702.00	56424.00
9	04041200	Alteration to existing track circuits at Relay end to suit RE/Non-RE standard as per approved signalling plan. This work includes provision of double bonding and parallel jumpers, provision of bond wire clips, wherever required, shifting of relay end and feed end equipments and re-wiring them, provision of track lead connections wherever necessary using 2c x 2.5 sqmm cable, provision of TLJB boxes and termination of jumpers and tail cables in track lead junction boxes, shifting of Track feed/Track relay set wherever required and wiring with PVC 3/0.75mm copper wire. (Supply of TLJB boxes, 2c x 2.5 sq.mm cable and TLJB boxes with stumps is not covered in the item. Existing Track relays, Track Feed Resistance, Track feed battery chargers, B type Chokes and Charged secondary Cells shall use for this work). [Wire PVC 3/0.75mm, PVC/ Nylon bushes for TLJB boxes, PVC sleeves, all types of bolts and nuts with spring and flat washers, teakwood stand for fixing track feed resistance, GI bond wire 8 SWG, Channel bond pins, bond wire clips, paints and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	7.00	4341.00	30387.00



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

10	04041300	Releasing of existing TLJB boxes with stumps and terminals after releasing all the bond wires. The released materials shall be accounted and stacked neatly at a place as instructed by Railway representative at site.	Numbers	160.00	157.00	25120.00
					<b>Total</b>	<b>6342760.00</b>
<b>Item- 5</b>	Chapter-5 LC Gates and Accessories					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	05050300	Supply, Transportation, of Electrically operated Lifting Barrier set with Hand generator with operating voltage of 110V AC/DC. Each set consisting of 2 Nos. of Lifting Barrier Pedestals, each with 8 contact circuit controllers with top roller type Limit Switches (as per Design given in specification & approved by RDSO) Hand Crank, Electric Motor 110V AC/DC. 2 GI sheet Booms of 32 ft length (4 section of 8 Ft long each) with new octagonal shape as per RDSO drg. No. RDSO/S 11600. - Version 2.0 or latest, without fringes, with 2 stop boards in Trilingual i.e Hindi, English & Regional language and MS Counter weights and 02 nos. of boom supports with Motorized / Solenoid boom locking along with 01 no. of hand Generator cum Control panel to operate 2 barriers of a set with 1 selector switch, 3 buttons and 5 indication lamps, contacts, MCB's and relays	Set	2.00	386787.00	773574.00
2	05050500	Casting concrete foundation of size 900mmX 900mmX900mm for pedestal, 400mmX400mmX 600mm for meeting post, fixing of lifting barrier boom, contact makers, termination of cables, wiring and painting as per the instructions of Railway representative at site. (Supply of pedestals, meeting posts, contact maker, electric lifting barriers, rail posts, cranks and 'A' type foundation is not covered in this item). [Concreting materials, bolts and nuts, wire PVC 3/0.75mm copper and all other miscellaneous materials required for the work shall be supplied by the Contractor]. (Unit = Per Boom)	Per Unit	2.00	22337.00	44674.00
3	05050600	Installation, wiring, testing and commissioning of electrical/mechanical lifting barrier as per requirement.	Set	1.00	35218.00	35218.00
4	05050700	Supply of Electric Key Transmitter - Rotary type of required ward Nos. with keys, as per specification/ No. IRS S.21/2001 Rev.1.0 or latest.	Numbers	4.00	9315.00	37260.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

5	05050800	Supply and Fixing of Normal/Crank Handle Box/Emergency Key Box at Interlocked LC Gates, made of Teak wood with Glass fronted door as per specification. Polishing on all exposed surface and for with EKT inside the box. Micro push switch of suitable make with 2NO+2NC contacts and veeder counter non-reset type and wire them as per the approved circuit diagram. The box should have hinges and pad locking arrangements with one Lock with duplicate keys and key chain with label. (All materials except EKT are to be supplied by the contractors.)	Numbers	2.00	7694.00	15388.00
6	05050900	Fixing of EKT instrument with (or) without crank handle or on suitable fixtures at station/apparatus case, provision of economiser push switch with locking facility, wiring with wire PVC 16/0.2mm copper, provision of teakwood terminal box covered with decolum along with locking facility and painting. (Supply of electric key transmitter and crank handles is not covered in this item). [wire PVC 16/0.2mm copper, wire wound resistance, decolum covered terminal box with locking facility by using 25mm thick teakwood, bolts and nuts, paints, push switches, padlocks and other miscellaneous materials required for this work shall be supplied by the contractor].	Numbers	2.00	5522.00	11044.00
7	05051000	Supply of Electronic LC gate Telephone system with Voice Logger facility as per RDSO Spec No.RDSO/SPN/TC/51/2021 (Rev 1.0) or latest. consist of one master Telephone, 06 slave Telephone with modified surge protection & Line connecting unit and 24 Volt DC power supply unit with MF battery compatible with existing electronic LC Gate Telephone system.	Set	2.00	79611.00	159222.00
8	05051100	Supply of Electronic Station telephone (master telephone) for LC gate telephone system with Voice Logger facility as per RDSO Spec No.RDSO/SPN/TC/51/2021 (Rev 1.0) or latest	Numbers	2.00	47757.00	95514.00
9	05051200	Supply of Electronic LC gate telephone (slave telephone) for LC Gate telephone System as per RDSO Spec No.RDSO/SPN/TC/51/2021 (Rev 1.0) or latest.	Numbers	2.00	5851.00	11702.00
10	05051800	Supply of Sliding Boom Type Gate as per E.Rly/Signal Workshop /HWH's Drg. No. BSA/29/730, BSA/29/731, BSA/29/737. This includes supply of 5 nos 'E' type Lock with Key as per IRS Spec. No. IRS:S-30/64 with Latest Amdt and as per Drg. No. SA-3376/M with latest admt. Ward No. to be decided by the site engineer. 'E' type lock to be fixed on MS Plate as per Site requirement (Gate = LC Gate)	Per Gate	2.00	109517.00	219034.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

11	05051900	Fixing in position and commissioning of Sliding Barrier Boom Set (one set will consist of two sliding barrier booms, one for either side of track) this include carry out civil masonry work at site like digging of pits for foundations, casting of RCC foundation and fixing of foundation bolts (12 nos. in each site of size 18"x18"x36"). This also include loading, unloading and leading of all the material to site of work from the store of Concerned SSE/Sig/ Incharge (One set at each location) This include complete sliding gate in working order as per instruction of Railway Engineer at site and painting of sliding boom type barrier of LC gate with metallic paint, similar to Asian paint or better .All materials except sliding boom gate & 'E' type lock with key to be supplied by the contractor. (Gate = LC Gate)	Per Gate	2.00	43111.00	86222.00
12	05052400	Releasing of all the S & T gadgets at LC gates like SM slide instruments, illuminated diagram board, block counter, termination box, telephones, emergency key box, dismantling of ground lever frame along with all connected lever locks, 'E' type locks, HP locks, breaking and removal of concrete foundation, lock rods with rod roller trestles, complete assembly, cranks, compensators, 'A' type concrete foundation on the rod run, transmission wires single wire/double wire accounting and stocking them neatly at a place as instructed by Railway representative at site. After releasing any holes on the walls/ floor are to be filled with cement mortar and plastered.	Set	2.00	10665.00	21330.00
					<b>Total</b>	<b>1510182.00</b>
<b>Item- 6</b> Chapter-6 Trenching & Cable laying						
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	06060100	Excavation of cable trench in all kinds of soil except hard rocky areas including clearing of roots of trees, rocks, bushes etc. to a depth of 1.0 Mtrs and to a width of 0.3 Mtrs. (Laying of cables is not included in this item).	Metre	48500.00	76.00	3686000.00
2	06060200	Trenching up to depth of 1.2 Mtrs with 0.3 Mtrs wide base in all types of soil (Normal soil, Hard soil & Black cotton soil) and backfilling after laying of HDPE pipe / OFC cable and 6 quad/PIJF cable etc. at 1200mm & 1000 mm depth respectively as per DrgNo.CORE/S&T/ALD/SK/571/04. Ramming and consolidation of soil in trenches as well as disposal of the soil if any.	Metre	2000.00	120.00	240000.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

3	06060400	Excavation of cable trench in all kinds of soil except hard rocky areas including clearing of roots of trees, rocks, bushes etc. to a depth of 1.0 Mtrs and to a width of 0.5 Mtrs. (Laying of cables is not included in this item).	Metre	15000.00	94.00	1410000.00
4	06060500	Supply and Placing of Trunking and Capping (RCC Duct) of size 700mm Length X 500mm Width X 260mm height & Suitable cover plate of 40mm thickness as per Drg.No.SDO/Cable laying/ 007 (Annexure-10) as detailed in document No. RDSO/SI/G/2010 Ver.1.1 or latest on 'Guidelines on signalling cable laying'.	Numbers	22200.00	1467.00	32567400.00
5	06060600	Supply and Placing of Polyolefin Cable channel of size, Width 240/340 mm, Height 155/230 internal/external, length 1 m produced of polyolefin with Fire protection class k-1 in accordance with DIN-53438 Part II for laying Signalling/Telecom cables, channel attachable to each other with male-female swallow tail connectors and having suitable detachable cover	Metre	2200.00	2521.00	5546200.00
6	06060700	Supply and Laying of PVC Warning Tape colour Orange, width of 250mm (10") by printing with black letters 'Indian Railway Signal/Telecom/OF Cable' on both sides	Kilometre	74.00	45908.00	3397192.00
7	06060800	Refilling of cable trench 1m depth by 0.3m width throughout, with earth after laying of cables, and consolidating the trench by ramming and levelling	Metre	48500.00	18.00	873000.00
8	06060900	Refilling of cable trench 1m depth by 0.5m width throughout, with earth after laying of cables, and consolidating the trench by ramming and levelling	Metre	16000.00	23.00	368000.00
9	06061000	Supply of High-Density Polyethylene Pipes (HDPE) of 110 mm Outer Dia, 10 mm Wall Thickness, along with one coupler for every 6 Meters as per latest specification No. IS 4984: 2016 with latest amendments and Material Grade: PE 80.	Metre	15400.00	763.00	11750200.00
10	06061100	Laying of HDPE Pipe 110 mm outer Dia, 10mm thickness along with collars in trenches at places of platform cutting etc and wherever required as per the instruction of site engineer.	Metre	3700.00	69.00	255300.00
11	06061200	Digging of cable trench to a depth of not less than 30CMs in rocky terrain, concreting the trench with 150mm thick concrete with 1 cement, 2 sand, 4 grade stone 20mm nominal size. (All the materials are to be supplied by the contractor).	Metre	1200.00	230.00	276000.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

12	06061300	Concreting of cable laid in the trench or GI pipe/DWC/HDPE pipe in which cable is already laid to a size of 300x300mm with 1:3:6 mortar. (All the materials required for the work should be supplied by the contractor).	RMT	750.00	624.00	468000.00
13	06061400	Laying of Signaling/Power/Telecommunication cables as per cable plan in cable trenches, masonry ducts, RCC Pipes, DWC pipes, GI Pipes etc. (Supply of cables is not included in this item).	Metre	749000.00	21.00	15729000.00
14	06061500	Supply and Fixing of PVC casing and capping/PVC pipe of minimum 25 mm size or higher as per requirement at site on the wall/floor etc., using bends, coupler and T joints and flexible pipe wherever necessary with fixture in the OFC room from equipment rack to common termination and from OFC room to SM room/ Reservation office / Data logger/FOIS room etc. (All required material for fixing to be arranged by the contractor)	Metre	1100.00	66.00	72600.00
15	06061600	Supply of GI pipes - 50mm dia - 3.65mm thick as per latest specification.	Metre	100.00	693.00	69300.00
16	06061700	Supply of GI pipes - 100mm dia- 4.5mm thick as per latest specification.	Metre	1150.00	1652.00	1899800.00
17	06062000	Supply and laying of Split DWC pipe of 120/103 mm dia, 2 meter long in already dug cable trenches. The unit of RMT means two split pipes of 1 Mtr each Material shall be supplied as per latest specification RDSO/SPN/204/2011 Ver.1.1 or latest.	RMT	13700.00	346.00	4740200.00
18	06062200	Provision of GI pipes (50/100/150mm dia) for cable laying with offset at both ends and with couplings over RCC Bridges/ Drainage/ Culverts with concrete masonry supports of size 300mm x 300 mm x 300 mm at an interval of 2m. The ends of the pipes shall be closed with brick masonry abutments work so that no cable is exposed, the work shall be carried out as per the instructions of Railway representative at site. (Supply of GI pipes with couplings and laying of cables is not included in this item). [Stone jelly of size 20/25mm, bricks, sand, cement and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Metre	750.00	384.00	288000.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

19	06062300	Provision of GI pipes- (50/100/150mm dia) for cable laying with offset at both ends and with couplings over Girder bridges by fixing on suitable MS Clamps at an interval of 2 Mtrs. The ends of the pipes shall be closed with brick masonry abutments work so that no cable is exposed, The work shall be carried out as per the instructions of Railway representative at site. (Supply of GI pipes with couplings and laying of cables is not included in this item). [MS angles, flats, bolts and nuts for manufacturing fixing clamps, bricks, sand, cement and all other miscellaneous required for the work shall be supplied by the Contractor].	Metre	250.00	430.00	107500.00
20	06062400	Provision of GI pipes (50/100/150mm dia) for cable laying in Hard rocky area with off sets at both ends duly supported by concrete blocks of size 300mm x 300 mm x 300 mm at an interval of 2m. The ends of the pipes shall be closed with brick masonry abutments work so that no cable is exposed, The work shall be carried out as per the instructions of Railway representative at site. (Supply of GI pipes with couplings and laying of cables is not included in this item). [Stone jelly of size 20/25mm, bricks, sand, cement and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Metre	250.00	335.00	83750.00
21	06062500	Supply of Permanently Lubricated High Density Polyethylene Duct (PLB-HDPE), 40/33 mm Dia, along with End Cap, End Plug, Cable Sealing Plug and Couplers, as per RDSO/SPN/TC/45/2013 Rev.2 with Amd 3.0 or latest	Kilometre	66.00	97538.00	6437508.00
22	06062600	Laying of PLB HDPE Duct, 40/33 mm Dia, in the trenches and in the protective works already provided including in HDD portion and supply pulling of Nylone rope through it at different places as per direction of engineer incharge or site engineer	Kilometre	66.00	14607.00	964062.00
23	06062700	Duct Integrity test for PLB HDPE Duct, 40/33 mm Dia, as per latest specification.	Kilometre	66.00	2306.00	152196.00
24	06062800	Blowing of OFC Cable in already laid PLB HDPE Duct, 40/33mm Dia, by using Blowing machine, providing the sufficient loops in loop/joint chambers and other associated works.	Kilometre	67.00	17232.00	1154544.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

25	06062900	Horizontal direction drilling/boring without damage of surface road/track using Auger Machine (HDD machine). The bore shall be upto 200 mm dia& shall be done at the depth of minimum 1200 mm from the ground level. The ground level shall be considered ignoring the bank height of the bank of the road. The length of the bore shall be minimum 4 Mtrs long. This includes insertion of different dia DWC-HDPE pipe/GI pipes coupling etc. as per direction of Engineer Incharge. Note:- Pipe Supply is not covered under this item. Contactor shall provide all material required for boring and adequate nos. of labours for proper laying of cables into the bore. Cable shall be laid cautiously so that it should not get damage due to rough handling & pressure on cable.	Metre	11700.00	1531.00	17912700.00
26	06063000	Excavation of trench to a depth of 1 Mtr. for track crossing of cables, laying of DWC/HDPE/RCC pipes with collar/coupling, refilling of trench by ramming and consolidating it as per the instructions of Railway representative at site. During excavation of trench, it has to be ensured that the excavated soil does not mix with the ballast available. The depth of 1m trench shall be from the bottom of sleepers for track crossings. Laying of cables is not included in this item. (Supply of DWC/HDPE/RCC pipes with couplers/ collars is not included in this item).	Metre	1550.00	459.00	711450.00
27	06063100	Excavation of trench to a depth of 1 Mtr. for road crossing of cables, laying of DWC/HDPE/RCC pipes with collar/ coupling, refilling of trench by ramming and consolidating it and resurfacing it to the original position. Laying of cables is not included in this item. (Supply of DWC/HDPE/RCC pipes with couplers/ collars is not included in this item).	Metre	400.00	597.00	238800.00
28	06063200	Provision of 2 Machine cut grooves in parallel at a separation of 8 cms each to a depth of 150 mm and width will be as per site requirement in the platform surfaced/tiled floor for laying cable	Metre	450.00	849.00	382050.00
29	06063300	Supply and installation of RFID Electronic Cable Route Marker to detect S & T underground Cables with programmable memory for saving the user specific data inside the RFID electronic marker locator during locating the cable up to 5 feet depth. Make:3M, Stanley or similar.	Numbers	880.00	2441.00	2148080.00



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

30	06063400	Supply of RCC Cable Markers as per DRG.No.SG/SWR/067 or latest guidelines. The lettering on the Cable marker shall be "SIG" / "TELE" / "OFC" as per the instructions of Railway representative at site.	Numbers	1210.00	366.00	442860.00
31	06063500	Digging of pit to a depth of 800mm of size 300mmX300mm, casting of Concrete foundation of size 300mmX500mmX300mm and Placing of RCC cable markers on top of the foundation and refilling the pit and consolidating it by ramming. The cable markers shall be provided at an interval of 20 Mtrs. within station limits and 50 Mtrs. outside station limits throughout the cable route, diversions and also at every track/road crossing.	Numbers	1210.00	267.00	323070.00
32	06063600	Excavation of cable coil pit to a size of 1.5mx1.5m and depth as instructed by Railway representative at site, for coiling the cables in rear of relay rooms/ AFTC huts, apparatus cases etc. The work includes coiling the underground cables, and placing closely one layer of country bricks of size approx. 220mm x 100mm x 60mm breadth wise above the cables to cover all the cables in the cable pit, closing and consolidating the pit by ramming and levelling. [Country bricks of size 220mmx100mmx60mm (approximately) shall be supplied by the Contractor].	cum	205.00	1131.00	231855.00
33	06063800	Excavation of Cross trench to a depth of 1M or as per site requirement, for identifying the existing cable path without damaging the working cables.	RMT	850.00	205.00	174250.00
34	06063900	Removing/breaking of Existing RCC slabs on the Passenger Platform, trenching to a depth of 0.6m to accommodate the additional cables, replacing the slabs removed after the cables are laid and replastering with cement mortar, refilling the trench by ramming and consolidating it as per the instructions of Railway Representatives at site. (Laying of cables is not included in this item). [Cement, sand and all other miscellaneous materials required for the work shall be supplied by the Contractor].	cum	50.00	326.00	16300.00
35	06064000	Releasing/shifting of Existing/Already laid Signalling/Telecom cables to facilitate engineering construction works.	Metre	3000.00	16.00	48000.00
36	06064100	Video recording of cable trench using minimum 720P and above HD camera and submit one copy in New removable hard disks (With capacity as per requirement); Two copies in DVD-R.	Kilometre	68.00	3484.00	236912.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

37	06064300	Cable Route Tracing service using Radio detection make Advanced Cable & Pipe Locator equipment with GPS co-ordinates logging facility) - Equipment model or better to be used for the Cable route tracing service RD8100 PDLG or RD8200G - Report in the form of CSV/KML file (soft copy) to be submitted to Customer within 15 days from the date of work completion at site.	Day	11.00	29530.00	324830.00
38	06065100	Excavation of cable trench in hard rocky area/ hard soil including clearing of roots of tree, rocks, bushes etc. to a depth 0.6 m and to a width of 0.5 m and refilling of cable trench of 0.6 m depth by 0.5m width throughout, with earth after laying of cables, and consolidating the trench by ramming and levelling. Laying of cable is not included in this item.	Metre	1600.00	114.00	182400.00
39	06065200	Final location joint survey of proposed cable route plan (Quad / OFC cable) and submission for approval of Railway. The details instruction / guide lines regarding joint survey and preparation of cable route plan are given in Tender document. Contractor will submit two copies of prints with soft copy to checking by Railways. If alterations are suggested by Railways, then again two copies of prints will be provided for advance approval after carrying out all the alterations as suggested / proposed by Railways. Tracing will be provided to approval by Railway. All drawings will be prepared in AUTOCAD. It also includes preparation and submission of final cable route plan on 75-micron standard polyester film which includes details of entire section in which quad / OFC cables are laid. Once Railway has approved and signed tracings for cable route plan then contractor will submit 6 (six) sets of photocopies for cable route plan in proper binding form.	Kilometre	38.00	1047.00	39786.00
					<b>Total</b>	<b>115949095.00</b>
<b>Item- 7 Chapter-7 Cables</b>						
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	07071000	Supply of power cable copper PVC insulated flexible 3-core multi strand 2.5 sqmm as per latest specification No.IS:694:1990	Metre	600.00	100.00	60000.00
2	07073300	Supply of 12 Core single mode outdoor armoured optical fiber cable as per latest specification	Metre	4000.00	22.00	88000.00
3	07073700	Supply of STP CAT 6 cable as per latest specification.	Metre	1220.00	38.00	46360.00
4	07073800	Supply of Twin Core Multi Strands Screened Cable, cotton braided or reputed make, suitable for Speakers	Metre	800.00	37.00	29600.00
					<b>Total</b>	<b>223960.00</b>

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

<b>Item- 8</b> Chapter-8 Relay Room & Associated items						
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	08080300	Supply of Cable termination racks size 880mm x 2 Meters made out of 50mmx50mmx6mm thick MS angle with stainless steel nuts and bolts for fixing of the rack with POWDER COATED and drilling suitable holes to suit hylam sheet and relay frames complete as per standard practice with tripod bases and reel insulators (for K rack, P rack and power rack) and with cable ladder of width 400mm and length of 2 Mtr. The thickness of angle to be 5mm. two angles of 40mmX40mmX5mm to be supplied at both ends and supporting flats of 25mm X5mm.	Numbers	38.00	7788.00	295944.00
2	08080400	Erection of CT Rack with scaffolding suitably concreting tri-pod bases and reel insulators with "J" bolts and nuts. Tripod and other supporting are to be painted in 2 coats with enamel.	Numbers	38.00	5115.00	194370.00
3	08080600	Supply and provision of Rubber mat of not less than 6mm thick and with an insulation to with stand 650V AC, on the floor of relay room etc at places as indicated by railway representative at site.	Square Foot	1300.00	170.00	221000.00
4	08080700	Supply and installation of teakwood glass fronted box of size 300mm x 600mm x 75mm with hooks to keep various keys with description engraved on the tags. [TW Glass fronted box of size 300mmx600mmx 75mm with built in lock, hooks, engraved tags and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Numbers	7.00	8833.00	61831.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

5	08080800	Termination of Main, Tail, Signalling and power cables and internal wiring on terminal/ fuse blocks in cable termination Rack at relay room. The work includes fixing of all new cables by teakwood clamp on teakwood base plank, fixing of Hylam sheet 10 mm thick for terminal board, varnishing all teakwood items, fixing of terminals/ fuse blocks on the terminal board, drilling of necessary holes, termination of cables, wiring, identification of cables using aluminium tags with letters punched neatly, as per approved circuit diagram and cable plan, painting of particulars on sleeves. After terminations are over, cable entry at the bottom shall be closed with, cement plastered, the inter-space filled with sand up to base level and the bottom surface shall be sealed with sealing compound. Cable armour to be soldered to earth. (Supply of cable termination racks is not included in this item). [All bolts and nuts with washers, Hylam Sheet 10 mm Thick, cement, sand, stone jelly, Teak wood base, paints and all other miscellaneous materials required for the work shall be supplied by Contractor	Numbers	16500.00	202.00	3333000.00
6	08081500	Releasing of Existing relay racks/ Cable termination racks along with all the terminals, fuse blocks, relays, with jacks, holding clips etc., 50-way boards, terminals, connecting wires, cables etc., carefully without causing any damage, accounting and stacking them neatly at a place as instructed by Railway representative at site. After releasing, the floor shall be levelled and cement plastered.	Rack	25.00	2097.00	52425.00
7	08081600	Releasing of Existing SM's control panel including base plank, and other gadgets connected very carefully without causing any damage to the panel, accounting and stacking them neatly at a place as instructed by Railway representative at site. The resultant pit in the flooring shall be removed of all cable bits, levelled and cement plastered.	Set	5.00	5340.00	26700.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

8	08081800	Testing and commissioning of stations (up to 5 roads) the entire signalling installations jointly with the Railway representative at site at the stations covered under various schedules of the Contract, and ensuring that all the signalling gears are installed and adjusted as per the existing rules. The work also involves supply of required number of bound registers with good quality papers with all updated details of cable meggering, relays, batteries, block joints, route cancellation, relay room key entries, block instrument key, earth resistance etc., and handing over to Railways. (Supply of 'As makes' is not covered in this item).	Station	3.00	42002.00	126006.00
9	08081900	Testing and commissioning of stations (with more than 5 roads) the entire signalling installations jointly with the Railway representative at site at the stations covered under various schedules of the Contract, and ensuring that all the signalling gears are installed and adjusted as per the existing rules. The work also involves supply of required number of bound registers with good quality papers with all updated details of cable meggering, relays, batteries, block joints, route cancellation, relay room key entries, block instrument key, earth resistance etc., and handing over to Railways. (Supply of 'As makes' is not covered in this item).	Station	3.00	76955.00	230865.00
10	08082200	Provision of Signaling arrangement during non-interlocked working of Signals and Points, such as erection and wiring of temporary relay racks and wiring of relays, SM's slide instruments, wiring alterations in the cable termination rack, apparatus cases, signals, Control panel etc, as per the instructions of Railway representative at site. (Supply of relay rack, relays, and SM slide instrument is not included in this item). [All other miscellaneous materials required for the work shall be supplied by the Contractor].	Station	4.00	39577.00	158308.00
11	08082300	Supply and fixing of Flex printed Sun boards of various sizes of various drawings of Power diagram, Relay index chart, Station Rule Diagram, FTOT Particulars, yard layout diagram board etc, with different colours as per instructions of Site In-Charge/Railway Representative.	Square Foot	1270.00	501.00	636270.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

12	08082400	Supply and provision of MS cable tray of thickness 1.5 mm, including top cover for closing, with all required miscellaneous materials for installation. Installation to be carried out as per the instructions of site engineer. MS cable tray including cover should be powder coated with Siemens gray color. -MS cable Tray - 400 * 300.	RMT	60.00	5150.00	309000.00
13	08082500	Supply and provision of MS Cable Tray of thickness 1.5 mm, including top cover for closing, with all required miscellaneous materials for installation. Installation to be carried out as per the instructions of site engineer. MS Cable Tray including Cover should be powder coated with Siemens Gray Color. - MS Cable Tray - 400 * 150.	RMT	50.00	4492.00	224600.00
14	08082600	Supply and provision of MS Cable Tray of thickness 1.5 mm, including top cover for closing, with all required miscellaneous materials for installation. Installation to be carried out as per the instructions of site engineer. MS Cable Tray including Cover should be powder coated with Siemens Gray Color. - MS Cable Tray - 250 * 100.	RMT	20.00	3529.00	70580.00
15	08082700	Supply and provision of MS Cable Tray of thickness 1.5 mm, including top cover for closing, with all required miscellaneous materials for installation. Installation to be carried out as per the instructions of site engineer. MS Cable Tray including Cover should be powder coated with Siemens Gray Color. - MS Cable Tray - 100 * 100.	RMT	20.00	2384.00	47680.00
16	08082800	Supply and Installation of Pre-wired Crank Handle Cum Key Lock Relay Box (of MS Sheet) along with LEDs, with approved type push buttons, Wago or similar Disconnecting type Terminal Blocks including DIN rail etc., as per approved drawing. Installation, fixing and wiring of boxes for Key Lock Relays to be carried by Contractor's wiring and fixing material. The work shall be carried as per the instructions of site engineer.	Numbers	4.00	40476.00	161904.00
17	08083000	Supply of Wago terminal of 2 conductor disconnecting terminal block for 2.5 sqmm wire termination make: wago/elmex or similar with accessories & taxes.	Numbers	49000.00	85.00	4165000.00
					<b>Total</b>	<b>10315483.00</b>
<b>Item- 9</b>	Chapter-9 Electronic Interlocking					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

1	09090100	Supply of Hot Standby Electronic Interlocking System (Centralized/Distributed) excluding Panel Processor (Hot Standby) with Signalling functions up to 125 functions as per function table enclosed along with 10% spares for the cards/modules/PCB, connectors/couplers, fuses, all relays, crimp contact, convertors etc. used, tools, manuals and Instruments as per RDSO specification RDSO/SPN /192/2019 ver. 2.0 or RDSO/SPN/ 203/2011 ver. 1.0 or latest. This includes supply of Maintenance VDU 55" 4K Resolution and Maintenance PC (embedded PC) and all types of indoor relays along with point contactor relays (QBCA1) required for points/other indoor purposes. Note: Payment will be made for only vital bit as per function table attached by Railways, no payment will be made for non-Vital bits such as Counter bits, SM key Bits, Read back bits and any potential free contact bits of DC-DC converter or Modem of EI.	Set	6.00	10036207.00	60217242.00
2	09090200	Incremental rate for vital signalling functions in EI SYSTEM over and above 125 functions under item No 09_001 along with spares for the cards/modules/PCB, connectors/couplers, fuses, all relays, crimp contact, convertors etc. to the extent of 10% of item no. 090100& 090200.	Per function	1375.00	91297.00	125533375.00
3	09090300	Supply of Electronic Interlocking Items for end location (Goomty) for station/IBH/Auto Hut for distributed Architecture in connection with item No. 1 as per Function table enclosed along with 5% Spares, tools, manuals & instruments as per technical specification. (Per Unit= Per Goomty/IBH/ Auto Hut)	Per Goomty/IBH/ Auto Hut	7.00	823789.00	5766523.00
4	09090400	Designing and drawing of EI application logic and interface circuit as per the SIP & Table of Control supplied by railway for the station. This includes internal FAT testing prior to submission for approval of circuits.	Per Unit	6.00	369394.00	2216364.00
5	09090500	Installation, wiring, testing and commissioning of EI equipments supplied for the station, duly carrying out the required FAT & SAT, including transportation from consignee depot to site at station. This also includes splicing & termination of OFC cable supplied by railways for communication equipment of EI.	Numbers	6.00	883460.00	5300760.00
6	09090600	Commissioning of Electronic Interlocking system.	Numbers	6.00	32999.00	197994.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

7	09090700	Supply of commercial grade operator VDU of size 55" 4K resolution, with backlit LED, with HDMI/DVI port, Inbuilt Speaker, required HDMI/DVI cables for connectivity and other miscellaneous item required for installation.	Numbers	12.00	366949.00	4403388.00
8	09090800	Supply of fan less embedded industrial grade computer (Similar to Moxa V2406A or better) with all accessories such as key board, mouse, antivirus etc. of industrial grade as per approved Specification as recommended by RDSO (TAN No. STS/TAN/3007 Version 1.0 or latest).	Numbers	12.00	358408.00	4300896.00
9	09090900	Supply of Basic material to construct Maintenance Free Earth as per RDSO Spec No. RDSO/SPN/197/2016 ver 1.0 or latest and as per technical specification.	Set	13.00	420185.00	5462405.00
10	09091000	Installation of Maintenance Free Earth Pit for Ring Earth as per RDSO specification No.RDSO/ SPN/197/2016 ver 1.0 or latest as per details given in technical specification.	Set	13.00	212768.00	2765984.00
11	09091200	Supply, fabrication, installation and fixing of panel operator consol with arrangement to fix 55" VDU's - Reset boxes, and other S&T gadgets. This shall be made of not less than 18mm thick plywood or better materials with storage facility of approved colours with contractors' materials, lead, lift and manpower as per the instructions of engineer in charge and as per the enclosed drawing.	Numbers	6.00	384233.00	2305398.00
12	09091300	Training of Railway Personnel in installation, commissioning, testing, trouble shooting and in diagnosing faults using diagnostic tools/flow charts including supply of necessary documents	Man-Days	160.00	1233.00	197280.00
13	09091400	Training on application software for designing, change in the logics and converting it suitable for system and loading the programme into the working system for alteration of SIP/TOC. The training should be comprehensive with complete document.	Man-Days	110.00	1292.00	142120.00
14	09091500	Carrying out Automatic Factory Acceptance test for any station having Centralized EI configuration.	Station	4.00	156701.00	626804.00
15	09091700	Carrying out Automatic Factory Acceptance test for any station having Distributed EI configuration	Station	2.00	305105.00	610210.00
16	09091900	Supply of Power supply arrangement for Operator/Maintenance VDU and Embedded PC. This consists of a) 110V DC/110V AC, 500VA Inverter - 2 Nos b) 110V DC/24V DC, 10A - 2 Nos. Make: Similar to Gallant, Wago, Phoenix or better.	Per Unit	18.00	206013.00	3708234.00
					<b>Total</b>	<b>223754977.00</b>
<b>Item- 10</b>	Chapter-10 Relays					



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	10100100	Supply of NON-AC Immunized Relays, Plug-In-Type, style QN1, 8F/8B Contacts, DC Neutral line Relay, working voltage 24V DC, metal to carbon, with plug board, retaining clip and connectors as per RDSO Specification No BRS:930, IRS: S: 34 & IRS: S: 23, STR: SIQ 0420 Ver.1 or latest. The Interlocking code for this relay shall be ABCDF	Numbers	30.00	3818.00	114540.00
2	10100200	Supply of AC Immunized Relays, Plug-In-Type style QNA1, 8F/8B Contact, DC Neutral line Relay, working voltage 24V DC, metal to carbon with plug board, retaining clip and connectors as per RDSO Specification No BRS:931A, IRS: S@58<44@ IRS:S:34 & IRS:S:23, STR: SIQ 0420 Ver.1 or latest. The Interlocking code for this relay shall be ABDGH	Numbers	380.00	5209.00	1979420.00
3	10100400	Supply of Track Relays, Plug-in type, Style QTA2 - 9 Ohm, 2F-1B Contacts, metal to carbon with plug boards, connectors and retaining clips as per RDSO specification No. BRS:939A & 966(Appx F2) & IRS:S 23-88 Amdt.1, S34 & 60, STR: SIQ 0420 Ver.1 or latest. The interlocking code for this relay shall be FGKX.	Numbers	135.00	5360.00	723600.00
4	10100500	Supply of AC immunized Relays, Plug-in-type, style QBAT -9 Ohms, DC based track Relay, 2F/2B - contacts, Metal to carbon complete with plug board, retaining clip & connectors as per RDSO Specification No. RDSO/SPN/84-88, IRS:S:34 & IRS:S:23. The interlocking code for this unit shall be ABEJX.	Numbers	55.00	8556.00	470580.00
5	10100700	Supply of AC immunized Relays plug in type style QBCA-1, 2HF/4B contacts, DC Biased contractor Relay, Tractive armature, working voltage 24V DC with Heavy duty front contact, Metal to carbon complete with plug board, retaining clips and connectors as per RDSO specification No. BRS 943, IRS. S@46"44@ IRS.S:23	Numbers	10.00	9347.00	93470.00
6	10101300	Supply of Key Lock Checking Relay (KLCR) working on 24V DC, AC Immunized with different ward combinations and contact configuration 4F/4B with 2 extra ward plates and with case, RDSO spec no. RDSO/SPN/219/2016 ver 1.0 with amendment or latest, confirming to IRS S-23, S-34 & S@45<44@ IRS S:46.	Numbers	69.00	12693.00	875817.00
					<b>Total</b>	<b>4257427.00</b>
<b>Item- 11</b>	Chapter-11 Data Logger & remote Terminal Unit					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

1	11110100	Supply, Installation, wiring, testing and commissioning of Datalogger as per RDSO IRS/99/2006 or latest with Power supply arrangement for data logger consists of 12V,42AH VRLA batteries-4 Nos and 10A charger 1 No, EI interface card (Digital interface cards)/ protocol converter, for 1024 digital inputs and 32 analog inputs. This includes supply of all miscellaneous items and software for commissioning of datalogger with E1 networking. (including PC/laptop, printer, mounting table and revolving chair of reputed make)	Set	10.00	710991.00	7109910.00
2	11110200	Supply, Installation, wiring, testing and commissioning of Datalogger as per RDSO IRS/99/2006 or latest with Power supply arrangement for data logger consists of 12V,42AH VRLA batteries-4 Nos and 10A charger 1 No, EI interface card (Digital interface cards)/ protocol converter, for 512 digital inputs and 32 analog inputs. This includes supply of all miscellaneous items and software for commissioning of datalogger with E1 networking. (including PC/laptop, printer, mounting table and revolving chair of reputed make).	Set	3.00	651840.00	1955520.00
3	11110900	Data Validation and Software modification at site (Station)	Numbers	15.00	26450.00	396750.00
4	11111000	Data Validation and Software modification at central place. (Test Room).	Numbers	6.00	27988.00	167928.00
					<b>Total</b>	<b>9630108.00</b>
<b>Item- 12</b>	Chapter-12 Power supply & Associated Items					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

1	12120100	Supply, Installation, testing and commissioning of SMPS based Integrated Power Supply (IPS) up to 4 Lines in RE area confirming to RDSO Specification No. RDSO/SPN/165/2023 (Ver. 4.0) or latest along with B & C Class SPDs,63 Amps fuse, status monitoring panel. IPS should be supplied with (55+5@61<41@ Nos. of uncharged LMLA Secondary Cells 2V-200AH/2V-300AH(For RE section 2V/200AH for non RE section 2V/300AH) as one set for one IPS confirming to QA IRS:S-88/2004 Low Maintenance Lead Acid Stationary Secondary Cells For S&T Installations along with 16/25 Sqmm cable for each IPS set is (50 Mtrs Red + 50 Mtrs Black + 50 Mtrs Green) = 150 Mtrs. SPECIAL CONDITIONS:1.Including supply of all the accessories required for installation. The supplier shall take up installation, wiring, testing and commissioning with minimum one-month prior notice period from Railways. 2.All the required cables/ Miscellaneous items like wooden plank, ladder etc. for installation and commissioning shall be supplied as part of the work. 3.Supply, installation, testing and commissioning of SPDs (class B&C) are covered in scope of this work. 4. Contractor should make the power supply arrangements if any required for charging the supplied cells at site. contractor should arrange the industrial grade diluted H2SO4 for the charging of cells. The cells should be charged as per latest specification.	Numbers	8.00	1520000.00	12160000.00
---	----------	---	---------	------	------------	-------------

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

2	12120200	Supply, Installation, testing and commissioning of SMPS based Integrated Power Supply (IPS) up to 6 Lines in RE area confirming to RDSO Specification No. RDSO/SPN/165/2023 (Ver. 4.0) or latest along with B & C Class SPDs,63 Amps fuse, status monitoring panel. IPS should be supplied with (55+5@61<41@ Nos. of uncharged LMLA Secondary Cells 2V-200AH/2V-300AH(For RE section 2V/200AH for non RE section 2V/300AH) as one set for one IPS confirming to QA IRS:S-88/2004 Low Maintenance Lead Acid Stationary Secondary Cells For S&T Installations along with 16/25 Sqmm cable for each IPS set is (50 Mtrs Red + 50 Mtrs Black + 50 Mtrs Green) = 150 Mtrs. SPECIAL CONDITIONS:1.Including supply of all the accessories required for installation. The supplier shall take up installation, wiring, testing and commissioning with minimum one-month prior notice period from Railways. 2.All the required cables/ Miscellaneous items like wooden plank, ladder etc. for installation and commissioning shall be supplied as part of the work. 3.Supply, installation, testing and commissioning of SPDs (class B&C) are covered in scope of this work. 4. Contractor should make the power supply arrangements if any required for charging the supplied cells at site. contractor should arrange the industrial grade diluted H2SO4 for the charging of cells. The cells should be charged as per latest specification.	Numbers	5.00	1604529.00	8022645.00
3	12120300	Manufacture and Supply of Power Distribution Panel for IPS using Hylam sheet 10 mm as per site requirement and erecting it using MS angle clamp 65mm X 65mm X 8mm, HRC fuse block, Mains control switch, ammeter by-pass switch, voltmeter, ammeter, PBT terminals 60mm and wiring the same using wire PVC 7/1.40mm as per approved power diagram. This also includes termination of power cables using teakwood clamp of size 25mm X 60mm X 150mm on a base plank of 25mm thick 150mm width. (MS angles 65mm X 65mm X 8mm, Hylam sheet of 10 mm Thickness, as per site requirement, bolt and nuts required for manufacture of power panel, HRC fuses, box and carriers, teak wood clamp, wire 7/1.40mm, PVC casing and capping and all other miscellaneous materials will be supplied by the contractor, Supply of PBT terminals 60mm is not included in the item).	Numbers	13.00	63705.00	828165.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

4	12120400	Transportation, Erection and wiring of IPS to power distribution panel. This includes transportation of IPS batteries from stores to the site, Erection of IPS panels on teakwood planks, interconnection between panels and wiring the IPS to power distribution panel using 10 sqmm multi-strand copper cable. The wiring should be done neatly using Aluminium ladder with phenolic sheet (Aluminium ladder, phenolic sheet of thickness 6 mm, teak wood plank of width 150 mm and thickness 25mm, 10 sqmm multi-strand copper cable and all other miscellaneous materials to be supplied by the contractor).	Numbers	13.00	77465.00	1007045.00
5	12120500	Supply and Provision of Power Supply Change over arrangement at SM room. CLS panel of size 800x500x275mm powder coated of MS sheet thickness 1.6mm as per RDSO specification: TI/SPC/PSI/CLS/0025 or latest	Numbers	13.00	71807.00	933491.00
6	12122300	Transportation of 10/15/20 KVA DG set, including all lifts and leads (Lift and lead shall be done using suitable hydraulic crane/Fork Lift. The contractor will be responsible for the safe transshipment of the DG set without causing any damages during transportation). The transportation of the DG set over a distance of 80 to 150kms.	Per Trip	1.00	21307.00	21307.00
7	12122400	Excavation of pit, casting concrete foundations as per Drg No.SG/Proj/SK/DG/01/08 for installation of DG set as per the direction of Site In-charge Railway Representative and Carry out 1st service of the DG set as per the Manufacturer's instructions	Numbers	1.00	22138.00	22138.00
8	12122500	Releasing of Secondary cells and battery stands available in the battery room along with connecting strips, wires and terminal boxes carefully without causing any damage to the batteries, accounting and stacking them neatly at a place as instructed by Railway representative at site. After releasing any holes in the walls/flooring shall be filled with cement mortar and plastered.	Set	1.00	5916.00	5916.00
9	12122800	Supply of Low maintenance stationary secondary cells 2V-80AH capacity as per IRS: S 88/2004 Version 1.0 or latest.	Numbers	605.00	3710.00	2244550.00
10	12123200	Supply of Hydro meter	Numbers	20.00	309.00	6180.00
11	12124000	Supply of Online UPS of 1 KVA capacity input voltage 160V AC - 280 V AC, output voltage 230V AC, Operating Freq 47-63 Hz with back up time 30 minutes (APC, Emerson or similar make).	Numbers	3.00	33324.00	99972.00
12	12124300	Supply of Non-deteriorating type Fuse holders 20 Amps for Railway signalling, voltage 240 AC/DC to Specn. No. IRS S.78/2006.	Numbers	250.00	267.00	66750.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

13	12124400	Supply of Non-deteriorating type Fuse links 20 Amps for Railway signalling, voltage 240 AC/DC to Specn. No. IRS S.78/2006.	Numbers	120.00	50.00	6000.00
14	12124500	Supply of Non-deteriorating type Fuse links 16 Amps for Railway signalling, voltage 240 AC/DC to Specn. No. IRS S.78/2006.	Numbers	70.00	50.00	3500.00
15	12124600	Supply of Non-deteriorating type Fuse links 10 Amps for Railway signalling, voltage 240 AC/DC to Specn. No. IRS S.78/2006.	Numbers	70.00	49.00	3430.00
16	12124700	Supply of Non-deteriorating type Fuse links 6 Amps for Railway signalling, voltage 240 AC/DC to Specn. No. IRS S.78/2006.	Numbers	340.00	46.00	15640.00
17	12124800	Supply of Non-deteriorating type fuse links 2 Amps for Railway signalling, voltage 240 AC/DC to Specn. No. IRS S.78/2006.	Numbers	420.00	36.00	15120.00
18	12124900	Supply and installation of De-ioniser plant (Aqua-Ion Model No. ACAMB 4 Bed Type).	Numbers	5.00	55872.00	279360.00
					<b>Total</b>	<b>25741209.00</b>
<b>Item- 13</b>	<b>Chapter-14 Block Instruments</b>					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	14140100	Supply of Universal Fail-Safe Block Interface (UFSBI) complete and Block panel for Single line operation as per RDSO Spec. No. IRS:S-105/2012 or latest (Per Unit=Set Per Block Section)	Per Unit	5.00	1486809.00	7434045.00
2	14140200	Supply of Universal Fail-Safe Block Interface (UFSBI) complete and Block panel for Double line operation as per RDSO Spec. No. IRS:S-105/2012 (Per Unit=Set Per Block Section)	Per Unit	2.00	1486673.00	2973346.00
3	14140300	Installation, testing and commissioning of UFSBI complete and Block panel for Single line/Double line operation as per RDSO Spec. No. IRS:S-105/2012. [All misc items required for commissioning shall be supplied by contractor] (Per Unit=Set Per Block Section)	Per Unit	6.00	85546.00	513276.00
4	14140400	Supply of Automatic Media changeover of modems working on redundant channels for data transmission on OFC/Quad.	Pair	7.00	39853.00	278971.00
5	14140500	Installation, testing and commissioning of Automatic Media changeover and modems working on redundant channels for data transmission on OFC/Quad. This included installation & configuration of Industrial grade modem, wrapping of E1 connections etc.	Pair	7.00	25033.00	175231.00
6	14140600	Supply of MODEM compatible with existing UFSBI system (for use with secondary/backup media i.e. 4-wire OFC VF Channel form station Primary mux or UFSBI E1 modem)	Pair	7.00	67384.00	471688.00
7	14140700	Supply of CPU card suitable to work with UFSBI (as per IRS:S-104/2012)	Numbers	6.00	37471.00	224826.00
8	14140800	Supply of CCC card suitable to work with UFSBI (as per IRS:S-104/2012)	Numbers	6.00	31655.00	189930.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

9	14140900	Supply of OUTPUT card suitable to work with UFSBI (as per IRS:S-104/2012)	Numbers	6.00	36515.00	219090.00
10	14141000	Supply of INPUT card to work with UFSBI (as per IRS:S-104/2012)	Numbers	6.00	14397.00	86382.00
11	14141100	Supply of Hot-Standby DC-DC Converter type Power Supply to work with UFSBI (as per IRS:S-104/2012)	Numbers	6.00	53394.00	320364.00
12	14141200	Reset Box as per IRS:S-104/2012	Numbers	6.00	15433.00	92598.00
13	14141300	Supply and Installation of UFSBI Block Counter of Size 550 mm (L) X 350 mm (W) X 850 mm (H) made of Powder Coated MS Sheet of 1.6 mm thickness and two doors fitted with double lock arrangement on front and back side including necessary cable entry arrangements on top and bottom as per the tentative drawing enclosed. Installation to be carried out using Teak Wood Base and necessary grouting as per the instructions of site engineer.	Numbers	13.00	49453.00	642889.00
14	14141400	Supply of UFSBI as per RDSO spec NO. IRS: S-104/2012 with latest amendment suitable to work on OFC/1 Quad cable for IB signalling, including 68 No.s QN1 relays required for system commissioning.	Pair	1.00	1232824.00	1232824.00
15	14141500	Installation, testing and commissioning of Universal Fail-Safe Block Interface as per RDSO Spec No. IRS:S-104/2012 or latest suitable to work OFC/E1/Quad media for IB Signalling [All misc items required for commissioning shall be supplied by contractor]	Pair	1.00	51059.00	51059.00
16	14143100	Releasing of Existing Block Instruments (all types), Block counters, batteries, block filter, block bell equipment etc., carefully without any damage, accounting and stacking them neatly at a place as instructed by Railway representative at site.	Numbers	2.00	1879.00	3758.00
17	14143200	Supply of Integrated Multiplexer 1U height, 19" rack mountable, 4*E1 uplink, with 4 slots and supporting 8*EM (2W/4W), FXO/FXS and Ethernet card and one slot free for future expansion. Management supporting Telnet as well as NMS. Potential Free contact support. Uplink E1 supporting 4 direction paths as well as 1+1 protection. Unit supports DC (18-72VDC) as well as AC power. Make: MROTEK /CISCO/ MAPLE or similar.	Numbers	9.00	91995.00	827955.00
18	14143300	Subscriber Interface card FXO of 10 channels Suitable to be accommodated in Integrated Multiplexer 1U height of MROTEK make or similar.	Numbers	2.00	47626.00	95252.00
19	14143400	Subscriber Interface card FXS of 10 channels Suitable to be accommodated in Integrated Multiplexer 1U height of MROTEK make or similar.	Numbers	2.00	48426.00	96852.00
					<b>Total</b>	<b>15930336.00</b>

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

<b>Item- 14</b> Chapter-15 ELD,Earthing & Lighting protection System						
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	15150100	Provision of Earth Electrodes as per RDSO Drawing No.SG/SWR/057 and Earthing of metallic sheath and armour of all cables in all apparatus cases, relay room, equipment room, ASM room for block and control, and earthing of all equipment's in apparatus cases, power room, relay rack, cable termination rack, control panel, signals, lever frames with MS of flat 35mm X 6mm or 19c cable (MS flat for closer by areas and MS flat/19c cable combination for farther areas) as per the instructions of Railway representative at site. The work includes painting of earth resistance value on the earth pit. (Supply of 19C cable is not covered in the scope of this schedule). [MS flat for earthing 35mm X 6mm, cement, GI earth electrodes, common salt, charcoal, country bricks, river sand, soldering materials and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Numbers	210.00	3967.00	833070.00
2	15150200	Supply, Installation, Testing and Commissioning of Copper Plate Earthing System complete as per Drg.No.SG/SWR/058 with provision of (i) Copper plate 300 mm X 300mm X 3 mm, (ii) Earth Pit 6 ft depth filled up with charcoal 10 kg & salt 25 kg in alternate layers up to 2 ft from bottom, (iii) Water funnel on Perforated GI pipe of length 4.5 ft., (iv) Cast Iron top plate 12 x 12 (v) Drawing of copper - earth from earth to location with 25 mm x 3 mm copper strip for termination (All miscellaneous materials to be supplied by the contractor).	Numbers	210.00	23323.00	4897830.00
3	15150300	Supply of Basic material to construct Unit maintenance free earth as per RDSO spec. No. RDSO/SPN/197 Ver.1.0 or latest. consisting of a) copper bonded steel electrode of 3.0m long, 17.0 mm dia with copper bonding thickness mini 250 micron and UL listed and marked--1 no. b) Earth enhancement compound of RDSO approved brand supplied in sealed bags of min 10 Kgs-03 No. c) Copper strip of 150X25x6mm to terminate earth rod-1 No. d) Copper strip of 300X25x6mm (MEEB)-1 No. e) Copper strip of 150X25x6mm (SEEB)-1 nos	Numbers	54.00	28342.00	1530468.00
4	15150400	Installation of Unit Maintenance Free Earth Pit as per RDSO specification No.RDSO/SPN/197 Ver.1.0 or latest and as per Technical Specification	Numbers	54.00	15453.00	834462.00



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

5	15150500	Supply of Basic material to construct a Maintenance Free Ring Earth with Four Pits (For Interlocked Station, LC Gates/IB Signalling Application) for achieving less than one Ohm as per as per RDSO Spec No. RDSO/SPN/197 Ver.1.0 or latest consisting of a) copper bonded steel electrode of 3.0m long, 17.0 mm dia with copper bonding thickness mini 250 micron and UL listed and marked--4 no. b)Earth enhancement compound of RDSO approved brand supplied in sealed bags of min 10 Kgs-12 No. c) Copper strip of 150X25x6mm to terminate earth rod-4 No. d) Copper strip of 300X25x6mm (MEEB)-4 No. e) Copper strip of 150X25x6mm (SEEB)-4 no's	Numbers	6.00	93382.00	560292.00
6	15150600	Installation of Maintenance Free Ring Earth with Four Pits (For Interlocked LC Gates/IB Signalling Application) as per RDSO specification No. RDSO/SPN/197 Ver.1.0 or latest and as per Technical Specification.	Numbers	5.00	40720.00	203600.00
7	15150700	Supply of 25x3 mm Cu tape.	Metre	600.00	715.00	429000.00
8	15150800	Installation of 25x3 Sq mm Cu tape.	Metre	600.00	316.00	189600.00
9	15150900	Supply of 35 Sq mm Multi-strand Single Core PVC insulated Copper Cable as per IS: 694 for connecting Main Earth Electrode to MEEB in equipment room. Color: Green.	Metre	1000.00	567.00	567000.00
10	15151000	Supply of 16 Sq mm Multi-strand Single Core PVC insulated Copper Cable as per IS: 694 for connecting MEEB to SEEB and SPDs to MEEB. Color: Green.	Metre	500.00	253.00	126500.00
11	15151100	Supply of 10 Sq mm Multi-strand Single Core PVC insulated Copper Cable as per IS: 694 for connecting SEEB to all equipment's. Color: Green.	Metre	1100.00	159.00	174900.00
12	15151200	Installation of 35 sqmm single core Cu cable for connecting main earth electrode to equipment room (routing through GI pipe/DWC/HDPE/PVC conduit pipe of suitable size as per site requirement	Metre	550.00	203.00	111650.00
13	15151300	laying of 16 sqmm Cu cable/10 sqmm Cu cable between BRC and racks. The work includes mechanical connection by providing two Cu lugs and two steel screws, drilling to two holes and removal of powder coating on rack body, thimbles ties, etc. and routing the same as per site requirements.	Metre	400.00	431.00	172400.00
14	15151400	Supply of GI bonding strip of size 25 X 3mm for down conductor with all supporting accessories.	Metre	490.00	152.00	74480.00
15	15151500	Installation and routing of down conductor strip 25X3 mm from top of the building to ground level duly securing the same to the building.	Metre	490.00	105.00	51450.00
16	15151600	Supply of 50x6 mm GI Tape for interconnecting earth electrodes.	Metre	300.00	590.00	177000.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

17	15151700	Laying of 50x6 mm GI Tape for interconnecting earth electrodes.	Metre	300.00	205.00	61500.00
18	15151800	Supply of Conventional lightening protection system consisting of Franklin rod of 16mm dia, single prong spike made of copper of length 600mm. Appropriate reducer/coupler for connecting Franklin rod and GI mast, GI mast approximately 1.5-inch dia, 6 mtr length with flanges for installation of franklin rod with all supporting accessories, such as guy rope, U-bolt, thimble, adjustable clamp, D-shackle, hook etc.	Numbers	26.00	52857.00	1374282.00
19	15151900	Installation of Conventional lightening protection system consisting of Franklin rod, appropriate reducer/coupler, flanges and GI mast with all supporting accessories such as guy rope (6 mm GI wire), U-bolt, thimble, adjustable clamp, D-shackle hook, etc.	Numbers	26.00	17830.00	463580.00
20	15152000	Supply of Lightening and surge arrester of class B and C suitable for single phase supply in TT network as per RDSO spec.no. RDSO/Spn/165/2023 ver 4.0 amd.1 or latest.	Numbers	5.00	31737.00	158685.00
21	15152100	Installation and commissioning of Class B and C arresters as supplied. These din rail mountable devices along with 63 amps HRC input fuse and fuse base shall be fixed in a wall mountable cabinet of size 450 x 250x150 mm made as MS steel of 20 gauge or better with IP31 protection and power coating. All the internal power wiring shall be made by using 10sq.mm cu cable. the PF contract of the class C arrestor shall also be wired using cable thickness of 2,5 sq.mm and terminated on a suitable terminal block.	Numbers	5.00	6347.00	31735.00
22	15152300	Supply of Earth Leakage detector 12 channel (4 Channels110V AC, 2 Channels- 110V DC, 6 Channels-24V DC) as per RDSO Spec./256/2002 or latest with 6-digit counter.	Numbers	13.00	156808.00	2038504.00
23	15152500	Installation, Testing/ commissioning of Earth Leakage Detector 8/12/16 channel.	Numbers	8.00	49542.00	396336.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

24	15152600	Recording of earth values at all location boxes and all signals available at stations (Conventional/MF earthing. (Contractor has to supply/hire the good digital earth tester for recording the measurement. All wire materials/Electrodes required for earth value shall be supplied/made available by contractor). After taking readings contractor has to submit same in three (3) hard copies along with soft copy in excel file). earth values and date of measurement shall be painted on location box/earth pits by the contractor as advised by railway representative.	Station	6.00	6100.00	36600.00
25	15152700	Carrying out exothermic welding for various conductors as per requirement.	Numbers	150.00	1213.00	181950.00
26	15152800	Exothermic welding materials (Cad weld or similar).	Numbers	150.00	1949.00	292350.00
					<b>Total</b>	<b>15969224.00</b>
<b>Item- 15</b>	Chapter-16 Fire Alarm & Suppression system					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	16160100	Supply, installation testing and commissioning of Heat and smoke multi sensor as per RDSO/SPN/217/2025 ver-3.1 or latest. along with its base, back-box and all accessories in compliance with IS:2175 and IS:11360 standard sand Under writers Laboratory (UL) listed.	Numbers	78.00	6276.00	489528.00
2	16160200	Supply, installation, testing and commissioning Fault isolator as per RDSO/SPN/217/2025 ver-3.1 or latest with backbox and all other accessories	Numbers	78.00	6052.00	472056.00
3	16160300	Supply, Installation, testing and commissioning of Analogue linear heat sensing (LHS) cable as per RDSO/SPN/217/2025 ver-3.1 or latest	Metre	1750.00	1420.00	2485000.00
4	16160400	Supply, Installation, testing and commissioning of linear heat sensing interface Module as per RDSO/SPN/217/2025 ver-3.1 or latest in compliance with IS standards and Underwriters Laboratory (UL) listed.	Numbers	13.00	98649.00	1282437.00
5	16160500	Supply of Fire survival cable 2x 1.5 sq.mm unarmoured as per RDSO/SPN/217/2025 ver-3.1 or latest	Metre	904.00	161.00	145544.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

6	16160600	Supply, installation, testing and commissioning of Networkable single loop addressable Fire alarm Control panel expandable upto 4 loops with GSM interface as per RDSO/SPN/217/2025 ver-3.1 or latest. This work involves supply, fixing, installation and testing of control panel. The control panel shall be networkable to Zonal /Divisional headquarters preferably over TCP/IP and shall have clock synchronization facility. This includes Networking module (TCP/IP) for control panel along with power supply unit and battery set of required capacity for 24 hours backup as per RDSO specification. The panel should support degrade mode operation in compliance with IS: 2189, EN54 standards and Underwriters Laboratory (UL) listed.	Numbers	13.00	210156.00	2732028.00
7	16160800	Supply, installation, testing and commissioning of Manual call point (resettable) with backbox and all other accessories as per RDSO/SPN/217/2025ver-3.1 or latest	Numbers	13.00	8009.00	104117.00
8	16160900	Supply, installation, testing and commissioning of Relay module with backbox and all other accessories as per RDSO/SPN/217/2025 ver-3.1 or latest	Numbers	14.00	4366.00	61124.00
9	16161000	Supply, installation, testing and commissioning of Hooter and Visual strobe alarm units with backbox and all other accessories as per RDSO/SPN/217/2025 ver-3.1 or latest along with its power supply unit.	Numbers	14.00	14607.00	204498.00
10	16161100	Supply, installation, testing and commissioning of Control module with backbox and all other accessories as per RDSO/SPN/217/2025 ver-3.1 or latest	Numbers	13.00	5611.00	72943.00
11	16161200	Supply, installation, testing and commissioning of EOL as per RDSO/SPN/217/2025 ver-3.1 or latest as directed by the site engineers	Numbers	13.00	3489.00	45357.00
12	16161300	Supply, installation, testing and commissioning of Monitor module for 3rd party with backbox and all other accessories as per RDSO/SPN/217/2025 ver-3.1 or latest	Numbers	13.00	3586.00	46618.00
13	16161400	Laying / drawing of various type of cables on PVC pipe / capping casing, or cable trays, ladder, shelter etc. as instructed by Railway engineer at site. (Indoor cables to be drawn through pipe, outdoor cables if required to be clamped on wall /floor etc.	Metre	1700.00	4.00	6800.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

14	16161500	CO2 Fire Extinguisher: Supply, installation, testing and commissioning of CO2 fire extinguisher 6.5 kg capacity conforming to IS15683 with ISI mark provided with all fittings and accessories.	Numbers	26.00	25267.00	656942.00
15	16161600	Supply of Fire survival cable 2x 1.5 sq.mm armoured as per RDSO/SPN/217/2025 ver-3.1 or latest.	Metre	1050.00	127.00	133350.00
16	16161700	Supply of aspiration-type smoke detector. Highly sensitive smoke aspiration system for monitoring of rooms and equipment for earliest possible fire detection For Relay rooms as per RDSO spec No.RDSO/SPN/217/2025 ver3.1or latest.	Numbers	13.00	630843.00	8200959.00
17	16161900	Supervision, Programming, Installation, Testing and Commissioning of Aspiration Smoke detection Supplied.	Numbers	13.00	72212.00	938756.00
18	16162000	Automatic Fire Ball for Fire-Extinguishing of Medium size - the weight of the agent is not less than 1.0 kg but less than 1.8 kg.	Numbers	23.00	391.00	8993.00
					<b>Total</b>	<b>18087050.00</b>
<b>Item- 16</b>	Chapter-17 Axle counters					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	17170400	Multi Section Digital Axle Counter (MSDAC): Supply, Design, Installation, Testing and Commissioning of Multi Section Digital Axle Counter (MSDAC) complete system as per RDSO Specification No. RDSO/SPN/176/2013 version.3 with latest amendments STR No. SIQ 0001 Ver.2.0 or latest. MSDAC Reset procedure shall be as per SWR MSDAC Reset policy. Tenderer shall design the scheme for provision of required number of evaluators, reset equipment's, trackside junction boxes, detection points and track clearance relays etc and shall be submitted along with the offer. Remote Diagnostic System shall be provided at station. Length of the cable required for each DP and Rail Type will be specified at the time of issuing call Letter. [This also includes supply of 10% all types of spare cards, LV Boxes, Wheel sensors and other essential modules as specified in RDSO Spec, it shall be rounded to nearest integer subjected minimum of one item. One set of Specialized Tool and Measuring equipment's as per RDSO specifications shall be supplied. (Per Detection Point = DP)	Per Detection Point (DP)	302.00	387561.00	117043422.00
2	17170500	Tool set for wheel sensor mounting and maintenance of MSDAC consisting of torque wrench, ratchet, testing plate, measuring tape, screw driver, and gloves and multi meter fluke115	Set	6.00	127052.00	762312.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

3	17170600	Releasing of existing Axle Counter field equipment (transmitters coils 2 No. receiver coils 2 No.) on the rails at the entry/exit track circuits without causing any damage. Excavating the under the track for removing track devices, connecting cables and duly covering the cable duct. Disconnecting and removing of Amplifier (electronic junction box and other associated equipment from the location box and transporting to a central location for accountal.	Set	3.00	1215.00	3645.00
					<b>Total</b>	<b>117809379.00</b>
<b>Item- 17</b>	Chapter-18 Design & Documents of Signalling Plan					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Design of SIP in Auto Cad. Initially, contractor shall submit 3 copies for approval of Railways. One set will be returned duly approved for making a fair copy or for re-submission for approval after incorporating the changes as required by Railways. After carrying out changes, three Hard copies to be submitted for Railway Approval. After approval, Auto Cad copies to be submitted in USB pen drive along with approved copy in Tracing film and six copies of final approved drawing (Ammonia Print or print as approved by Railway) in properly bound booklet along with its scanned copy.				
1	18180101	For a Two-Line Station	Set	1.00	17046.00	17046.00
2	18180104	For a Five-Line Station	Set	2.00	54235.00	108470.00
3	18180105	For a Six-Line Station	Set	2.00	64597.00	129194.00
4	18180106	For a Seven-Line Station	Set	1.00	76432.00	76432.00
		Design of SWRD in Auto Cad. Initially, contractor shall submit 3 copies for approval of Railways. One set will be returned duly approved for making a fair copy or for re-submission for approval after incorporating the changes as required by Railways. After carrying out changes, three Hard copies to be submitted for Railway Approval. After approval, Auto Cad copies to be submitted in USB pen drive along with approved copy in Tracing film and six copies of final approved drawing (Ammonia Print or print as approved by Railway) in properly bound booklet along with its scanned copy.				
5	18180201	For a Two-Line Station	Set	1.00	8143.00	8143.00
6	18180204	For a Five-Line Station	Set	2.00	28276.00	56552.00
7	18180205	For a Six-Line Station	Set	2.00	30562.00	61124.00
8	18180206	For a Seven-Line Station	Set	1.00	32111.00	32111.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

9	18180300	Preparation of Table of Control based on SIP issued in Auto Cad in A3 size. Initially, contractor shall submit 2 sets of documents for approval of Railways. One set will be returned duly approved for making a fair copy or for re-submission for approval after incorporating the changes as required by Railways. After carrying out changes, two sets of Hard copies to be submitted for Railway Approval. After approval, Auto Cad copies to be submitted in USB pen drive along with approved copy in Tracing film and two sets of final approved drawing in properly bound booklet along its scanned copy.	Per Route	590.00	1004.00	592360.00
10	18180400	Preparation of Table of Control based on the approved Signalling Plan as per RDSO Sig DATE Format. AutoCAD in A3 size. Initially, Contractor shall submit 2 set of documents complete for approval of Railways. One set is returned either duly approved for making a fair copy or for re-submission for approval after incorporating the changes as required by railways. The TOC & Preliminary Check and Certification to be done by the IRSE or IRSTE (license holder). After carrying out necessary changes, two set of 'Hardcopies' are submitted for administrative approval. The final corrected drawings shall be supplied to Railways on 80/90 GSM Tracing film and 2 copies of blue print properly bonded booklets and the soft copy in USB Pen drive.	Per Route	540.00	1388.00	749520.00
11	18180500	Independent checking, verification & approval of Interface Circuits by IRSE/IRSTELO License holders for stations having up-to 25 routes.	Station	6.00	60279.00	361674.00
12	18180600	Independent checking, verification & approval of Logic Circuits of stations of up-to 25 routes by IRSE/IRSTELO License holders.	Station	6.00	134748.00	808488.00
13	18180700	Additional payment for checking, verifying and approval of Interface Circuits / Logic circuits having more than 25 routes by IRSE/ IRSTELO License holders. (Per Unit = Per Route Per Station )	Per Unit	365.00	6338.00	2313370.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

14	18180800	Preparation of Cable Route Plan, Cable Core Plan, Cable Termination Rack Particulars, Location Box Particulars, Power Supply Diagram, Track Circuit Bonding Diagram and/or any other drawing on Auto-CAD in A2/A3/ A4, etc. size (as per instructions of Engineer in-charge). Initially Contractor shall submit 2 sets of 'AS PLANNED' documents complete for approval of Railways. One set is returned either duly approved for making a fair copy or fore-submission for approval after incorporating the changes as required by railways. After preliminary approval, execution of work shall be carried out at site. After Completion of work, 2 sets of AS MADE Check Prints are submitted for administrative approval. Railways will return one set to the contractor duly approved with alterations/corrections if any. The contractor shall incorporate Railways alterations/corrections in the tracings without any deviation and submit all tracings complete in all respect along with its soft copies in USB Pen Drive and 6 sets of final completion drawings in properly bound booklets. [For Centralized Electronic Interlocking Stations/Small Stations]	Station	7.00	117003.00	819021.00
15	18181000	Designing of Circuits diagrams in AUTOCAD 2000 or latest (including contact numbers on the circuit) and submission of negatives in 80/90 gsm tracing paper in 'A3' size along with 2 copies and also the soft copy in compact disks induplicate. First, 2 sets of prints shall be supplied to Railways for checking. One set will be returned by Railways to the contractor for making corrections in AUTOCAD. The final corrected drawings shall be supplied to Railways on 80/90 gsm tracing paper and 2 copies of blue prints and the soft copy in 2 CDs. (Approved Signalling plan will be supplied by Railways for preparing table of control. Approved table of control will be supplied by Railways for preparing circuits diagrams).	Sheet	1250.00	896.00	1120000.00



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

16	18181100	Submission of all relevant final 'Asmades' of circuit diagrams, contact analysis charts, termination particulars of apparatus cases and cable termination rack, power supply arrangements, relay index board, cable plans, cable route plans, red boundary plans and all other particulars covered under various schedules. All 'As makes' shall be prepared by the Contractor in AUTOCAD 2000 or latest and submitted in CDs. One copy of the 'As makes' check print shall be submitted before Testing the circuits. The final negatives shall be made in tracing sheet (80 to 90 gsm). All 'As makes' except cable plan, cable route plan, bonding diagram & power supply diagram shall be prepared in A3 size. On approval the contractor shall submit along with the negatives, 8 copies in each, duly making booklet neatly bound. Out of 8 sets, 2 sets of drawings and other plans shall be kept in transparent plastic cover (2 sheets back-to-back in one plastic cover) and handed over to Railways. Also, the contractor has to supply one set of As made in 'Reproduction Film'. The approved circuit diagram will be issued by Railways in soft copy as well as two sets of hard copies. Wherever alterations to existing circuits are involved, the existing as-made circuit diagrams will be supplied by Railways either in CDs or RP film. The Contractor shall incorporate the details of all the new wirings and alterations in the CD/ RP film and submit them to Railways. On approval 8 copies shall be made for As- made circuit diagrams also as mentioned above.	Sheet	1350.00	409.00	552150.00
----	----------	--	-------	---------	--------	-----------

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

17	18181200	Printing, Binding & supply of the following Registers with latest proforma given by in-charge officer each register of 100 pages. Station Asset Register/Deficiencies Book/Officer Inspection book/ Work site orientation classes note book /Station Message book/Infringement measure book fog signal gears/Route cancellation register/Relay room Key register/Cable testing summary/Signal maintenance record register/Power Systems Battery maintenance Register/Mechanical Signalling Register/Axle Counter Maintenance Register/Block instrument Maintenance Register/Track circuit maintenance Register/Lifting barriers maintenance Register/Electrically operated point maintenance Register/Electronic interlocking Maintenance Register/Location box maintenance Register/Earth Testing record Register/Relay room register/Joint Inspection of Points and Crossings register/Block Proving Axle Counter Register/Diesel generator /Solar panel Register (Per Unit = Per Register)	Per Unit	700.00	273.00	191100.00
					<b>Total</b>	<b>7996755.00</b>
<b>Item- 18</b>	Chapter-19 Tools and Measuring Instruments					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	19190100	Digital Multimeter 100 KHz (Hand Held) Brand: RISHABH 18S or similar.	Numbers	4.00	22816.00	91264.00
2	19190200	Supply of AC/DC Digital Clamp meter Current measurement upto 200A AC/DC True RMS measurement for AC voltage & current. (Large jaw of size of 18mm) Model: FLUKE 362/Rishabh or higher as per specification.	Numbers	3.00	6315.00	18945.00
3	19190300	Supply of Digital transmission measurement set (TMS) suit to RDSO spec IRS:TC:43/87 or latest.	Numbers	3.00	51287.00	153861.00
4	19190400	Supply of Digital cross talk measuring set to RDSO spec. IRS:TC 45/88 or latest. Make Anuvidyut or better.	Numbers	3.00	50131.00	150393.00
5	19190500	Supply of Digital Megger with range selection of 500V, 100V. Make RISHABH or similar.	Numbers	4.00	9624.00	38496.00
6	19190600	Supply of Digital Earth Tester Det-1 with metal carrying box and auxiliary earthing net Make Wago or better.	Numbers	4.00	8459.00	33836.00
7	19190700	Supply of Cable Fault locator as per specification. Make: Stanley or similar	Numbers	4.00	479874.00	1919496.00
8	19190800	Supply of cable route tracer/locator as per specification- Make Stanley or better.	Numbers	4.00	321076.00	1284304.00
9	19191200	Supply of Rodometer (Distance Recorder) as per latest specification. Make Bosch Model No: 1011662 or better.	Numbers	4.00	4218.00	16872.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

10	19191300	Supply of electric track drilling machine with suitable horizontal stand with attachments to drill holes of various sizes up to 7mm to 13mm Make Ralliwolf Model WD 34 C or similar.	Numbers	5.00	19401.00	97005.00
11	19191500	Supply of insulated tool kit consisting of 1. 3/8" sq Dr Socket 6mm, 2. 1/2"sq Dr Socket 8mm 3. 1/2"sq Dr Socket 18mm, 4. 1/2"sq Dr Socket 19mm 5. 1/2"sq Dr Socket 20mm, 6. 1/2"sq Dr Socket 22mm 7. SP Spanners 10mm, 8. SP Spanners 12mm 9. adjustable Wrench 8" 10. adjustable Wrench 12" 11. 3/8" Sq Dr Ratchet handle 12. 1/2" Sq Dr Ratchet handle 13. T handle 1/2" 14. Short Extension Rod 1/2" 15. Stanley make Water-Proof Medium Nylon Tool Bag 16. Electricians TRMS digital multimeter FLUKE-117 17. MECO Clamp meter 3690 AC/DC 600A 18. Dummy Wheel-1 No Best Indian make electrical hand gloves suitable for 1000V. Make: Friedrich Germany, INSULA or similar.	Numbers	2.00	67480.00	134960.00
12	19191600	Supply of Crimping Tool for RJ 45.	Numbers	1.00	2909.00	2909.00
13	19191800	Welding Machine Portable Inverter type	Numbers	2.00	9299.00	18598.00
					<b>Total</b>	<b>3960939.00</b>

<b>Item- 19</b>	Chapter-20 Provision of Man Power					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	20200100	Provision of One skilled and One unskilled staff round the clock to attend to teething trouble of the installation along with SSE/JE(Sig) after the installation has been brought into commissioning. The work includes routine maintenance, failure restoration as per the direction of the SSE/JE(Sig).	Man-Month	6.00	76669.00	460014.00
2	20200200	Providing the services of Computer oriented Technical manpower to carryout works like drawing, computation, write up etc., using computer, using software like AUTOCAD, MS Office etc., between 08.00 Hrs and 20.00 Hrs of the day with all expenses of transportation, accommodation, food, consumables etc., with all ascents, descents, taxes, octroi, cess, fees, duties with contractors cost etc., as per special conditional/specifications/regulations and as directed by Engineer-in-charge. Note: The person engaged for providing the services shall be convergent with computer working knowledge in above software's."	Man-Days	150.00	955.00	143250.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

3	20200300	Providing Services of helping hand man power to carry out miscellaneous/sundry works in the office/field between 08.00 hrs and 20.00 hrs of the day and accompanying Railway staff with all expenses of transportation, accommodation, food, consumables etc., with all ascents/descents, taxes, octroi, cess, fess, duties, with contractors tools and plants, materials, consumables, labour, crew, machineries with all lead and lift etc., complete as per special conditions, specification, regulation and as directed by Railway Engineer-in-charge.	Man-Days	150.00	674.00	101100.00
4	20200400	Arranging skilled labour at S&T Stores for loading/unloading/stacking of departmental materials.	Man-Days	180.00	702.00	126360.00
5	20200500	Provision of Security Guards round the clock in 12 hours shift beat from Up Home Signal to Down Home Signal to avoid theft of signalling assets. {Per Unit- Per 12 Hours shift}	Man-Days	280.00	752.00	210560.00
					<b>Total</b>	<b>1041284.00</b>
<b>Item- 20</b>	Chapter-21 Quad & OFC Communications Accessories					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	21210100	Supply of Telecom Termination panel with WAGO/ Pheonix/Elmex make or similar disconnecting Terminals blocks of size1500mm x 500mm x 200mm thickness 1.6mm (16 SWG) 150 numbers of disconnecting terminal block with accessories. (The box should be divided in to two compartments 500 mm from TOP with door arrangement including locking, and bottom 1000mm closed fully with screws WAGO/Pheonix/Elmex terminals suitable for cable dimensions maximum of 2.5 sq.mm. Provision of easy and ensuring aesthetics.	Numbers	1.00	47403.00	47403.00
2	21210200	Fixing of 'Telecom Termination Panel' and termination of cables on Wago/krone connectors as per the instructions of the site Engineer.	Numbers	1.00	5681.00	5681.00
3	21210300	Supply of 20 pair CT box with Disconnecting terminals of Wago/Pheonix/Elmex make or similar.	Numbers	28.00	4344.00	121632.00
4	21210400	Fixing of 20 Pair CT box with disconnecting terminals of Wago/Phoenix//Elmex make or similar	Numbers	28.00	3439.00	96292.00
5	21210700	Supply of Joint kit for Quad cable conforming to RDSO specification No.IRS-TC 77/2012 Rev 3.0 or latest for quad cable.	Numbers	60.00	4023.00	241380.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

6	21210800	Provision of normal joint of Heat Shrinkable type complete for 6 quad cables. After the jointing the through cable has to be tested for insulation resistance and loop resistance in presents of Railway Engineer and in case of any defects the jointing has to be done at free of cost by the contractor. [Heat Shrinkable jointing kit conforming to RDSO specification No.IRS-TC 77/2012 Rev 3.0 covered in the supply portion has to be used for this purpose.] The Contractor should supply all other small items free of cost which are required for making a joint. Only gas blower to be used for blowing	Numbers	40.00	4013.00	160520.00
7	21210900	Excavation of jointing pit without damaging the fiber and provision of joint chamber of 1.2 mtr dia, 60 Cm height and 50 mm thickness with two-piece top cover and bottom cover. with holes for drainage and cable entry (The reinforcement drawing enclosed). This includes backfilling and ramming of the trench after placing the joint closure and cable loop in the chamber without causing any damage to the same and consolidation of soil as well as disposal of soil as per plan and as advised by RailTel Representative.	Numbers	52.00	4626.00	240552.00
8	21211000	Supply, transport and filling of the RCC joint chambers with dry sand mixed with ant termite chemical as required in specification up to 400mm height and the cover is refixed in position.	Numbers	52.00	773.00	40196.00
9	21211100	Supply & Provision of Mid-Section/Derivation OFC Joint enclosure including Splicing (24 Fibre) inside already prepared jointing pit. This does not include provision of Joint chamber, top plate & back filling. The joint Enclosure shall be as recommended in the technical specification	Numbers	25.00	14908.00	372700.00
10	21211200	Leading in arrangement for OFC cable inside service building by providing large G.I. Band at Bottom & vertical G.I Pipe of 75 mm dia. The vertical pipe shall be 75mm above the floor level & the mouth of the pipe shall be covered by Plastic Cap. The floor shall be restored to the original condition.	Job	4.00	2384.00	9536.00
11	21211300	Supply of 2T V.F Transformers of 470:1120 ohms or 470:600 ohms or 470:470 ohms as per RDSO spec No. IRS-TC-76-2021 or latest.	Numbers	29.00	5893.00	170897.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

12	21211600	Wiring of SDH ADMs, PDMUX with accessories, surge protection arrangement, FDF, racks, DDF, runway ladder etc. this includes connecting all pig tails and optical patch cards etc. to SDH and primary mux equipment with all interface cards to 48V bus including supply of wires and connectors, terminations of all E1s on DDF, termination of VF interface circuits to krone type MDF at both ends including taking PVC cable over runway or a wall, krone type DP with all surge and lighting protection complete for all the circuits derived from PD mux. This work includes wiring and connection of telephones in SM's room and extension of generator supply equipment. All miscellaneous materials like power wires conduit and accessories etc. shall be supplied by the contractor. Suitable link panel should be provided on this rack for testing and isolation of fault.	Numbers	4.00	39686.00	158744.00
13	21211700	Supply and installation of SMPS charger 230V AC 50Hz input and 48V DC/25 Amps output in (2+1 configuration) suitable for VRLA battery as per RDSO specs: RDSO/SPN/TL/23/99 ver.4 or latest.	Numbers	5.00	167032.00	835160.00
14	21211800	Supply and installation of 48V,200AH VRLA battery bank as per latest specification No.IRS-S93/96A [One set battery bank contains 24 nos of 2v/200AH cells].	Numbers	5.00	152118.00	760590.00
15	21211900	Supply and installation of 19"- 42U Rack complete with fittings for housing LER, LSR, SDH equipment, FDMS, DDF and other equipment like cable managers, completely wired using krone module and other equipment's like runaway ladders etc., as per technical specification below. It should be able to lock all the equipment with only order wire telephone outside the rack, the rack should of APW President/ Rittal make etc., The components of the rack are specified below. this includes transportation and installation of rack in prefab/building at specified stations. a. Rack S33 42U 600WX600D -1 no. b. fixed side panels 42U x 600 D - 2nos. c. Front glass door plain 2U/600W -1 no. d. Rear MS door plain 42 U/600W-1 no. e. Caster with brakes- 2nos. f. Fans directly mounted on the top 48v Dc 90CFM - 2NOS. g. Krone mounting bracket -01 No. h. MCB mounting panel with MCBS a)32 Amps MCBS (DP) - 2 nos. b) 6 Amps MCBS (DP) - 6 nos. i. Earth continuity kit -o1 nos j. Equipment trays-5 nos. k. channel with cable loops 42U-2 Nos	Numbers	12.00	55624.00	667488.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

16	21212000	Supply, installation, termination and testing of Rack/Wall mountable FDMS and termination IN and OUT 24 fiber OFC cables (with all connecting materials) routing/dressing fiber as per direction of engineer/In charge. this work includes termination/splicing of fibers and testing of fibers in the section/block and report of fiber to be submitted in hard and soft copy.	Numbers	7.00	24253.00	169771.00
17	21212100	Supply, installation, termination and testing of Rack/Wall mountable FDMS and termination IN and OUT 48 fiber OFC cables (with all connecting materials) routing/dressing fiber as per direction of engineer/In charge. This work includes termination/splicing of fibers and testing of fibers in the section/block and report of fiber to be submitted in hard and softcopy.	Numbers	50.00	29577.00	1478850.00
18	21212200	Supply of RJ 45 connector suitable for STP/UTP cable	Numbers	340.00	3.00	1020.00
19	21212300	Supply of CAT-6 Patch Cord-5mtrs length.	Numbers	65.00	394.00	25610.00
20	21212500	Supply of light weight portable control telephone (4Wire/2Wire) as per RDSO specification IRS: TC-78/2020 Ver. 1.1 or latest.	Numbers	2.00	6056.00	12112.00
21	21212600	Installation and wiring of existing Way station equipment DTMF and control telephones. The work involves fixing the released way station equipment on the wall at an appropriate place in consultation with Railway representative at site, wiring and interconnecting the same with test panel, control telephones and batteries. (Supply of way station equipment, control telephones and batteries is not included in this item). [Wire PVC 3/0.75mm & 16/0.2mm copper, MS clamps for fixing arrangements, PVC tubes 25mm dia for interconnections and all other miscellaneous items required for the work shall be supplied by the Contractor].	Numbers	4.00	6812.00	27248.00
22	21213100	Supply of Emergency Socket boxes of FRP type, conforming to specification RDSO/SPN/TC/44/2002 Ver. 3.0 or latest.	Numbers	20.00	5687.00	113740.00
23	21213200	Supply of 6 pin socket flat as per RDSO Spec. No. IRS/TC/42/20 Ver. 1.0 with latest	Numbers	20.00	784.00	15680.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

24	21213300	Provision of Emergency communication along the railway track. Fabrication of emergency post as per RDSO Drawing No. UBL/SG/CON/6/2004 and fixing of emergency socket post and burying the post to a depth of 1m after entry of cable. The post to be painted with red oxide before installation. This includes termination of derivation cables on termination strip inside the emergency socket, painting of emergency socket post with alternate black and white strips of 6" width. The paint used should be of standard quality and two coats of paints should be applied. The EMC post should be painted with red oxide base before painting. (rails will be supplied by railways for the fabrication of emergency post)	Numbers	20.00	5851.00	117020.00
25	21213400	Drawing of Switch Board/Power cable through PVC pipe/ Casing capping fixed on the walls, as directed by site InCharge. This work includes termination of cables in the krone connector and fixing of IPM and extending earthing to krone box	Metre	1000.00	14.00	14000.00
26	21213500	Supply of transceiver VHF module 25 Watts synthesized configuration VM-04 of bandwidth 136-174 MHz with DTMF microphone, of Motorola make model GM338/XiRM- 3688 or kenwood TK7360 as per latest specification	Numbers	5.00	32358.00	161790.00
27	21213600	Installation, testing and commissioning of 25 Watt VHF set with GP antenna and antenna cable of length 30 M, power supply and battery of 12V 65AH. This includes supply and fixing of GI pipe of suitable dia to the required height as per the guidance of the field engineer, wiring of antenna cable through PVC conduit. All the materials required for installation to be supplied by the contractor. VHF equipment, SMPS power supply, Antenna & antenna cable will be supplied by the Railways.	Numbers	5.00	7382.00	36910.00
28	21213700	Supply of 3dB gain Slim Jim antenna for 25-Watt VHF set	Numbers	5.00	2779.00	13895.00
29	21213800	Supply of low loss RF coaxial cable RG 217U with silver tipped connectors on both ends, 30 meters length	Numbers	5.00	8569.00	42845.00
30	21213900	Supply of SMPS based Float cum Boost mode Power supply unit of 12V/15Amps. for HF/VHF/UHF Transceiver.	Numbers	5.00	4755.00	23775.00
31	21214000	Supply of Sealed Maintenance Free Battery 12v/100ah Similar to Amar Raja make or better.	Numbers	5.00	8496.00	42480.00



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

32	21214100	Supply and installation of Digital office clock with GPS synchronization (stand-alone mode) as per RDSOSpec.No. RDSO/SPN/TC@47>47@2008 Rev 4.1 or latest with RED LED with complete installation including all necessary accessories as directed by Railway Site Engineer.	Numbers	5.00	24472.00	122360.00
33	21214200	Supply of Digital Platform Double Sided Clock with GPS synchronization as per RDSO Specification No RDSO/SPN/TC / 62 /2008 Rev 4.1 or latest. Including all the accessories required for the installations.	Numbers	5.00	30666.00	153330.00
34	21214300	Local service terminal portable intel core i713th Gen with windows 11 pro (16GB) Make: Dell or equivalent as per latest technical specification	Numbers	1.00	99584.00	99584.00
35	21214400	Supply and fixing of OFC patch cards 5 Mtrs length as per site requirements. (LS-SC, SC-SC, LC-LC, FC-FC patch cards as per site requirement)	Numbers	130.00	753.00	97890.00
					<b>Total</b>	<b>6698681.00</b>
<b>Item- 21</b>	Chapter-22 Logistics and Site Support Arrangements					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	22220200	Transportation of Signalling materials by road as per the instructions of Railway representative at site. The work also includes loading and unloading of the materials. Transportation more than 100 Kms.	MT-Km	90000.00	16.00	1440000.00
2	22220500	Supply of Steel Almirah Similar to (Model: Godrej Store well/slimline 4S)	Numbers	6.00	25638.00	153828.00
3	22220600	Supply of Office/executive/computer support Revolving Chairs (Bravo high back and Cushioned) of Godrej or reputed firm for seating arrangement	Numbers	36.00	11371.00	409356.00
4	22220700	Supply of Office table with plywood plank with thickness of 18mm, teakwood beading with three draws of size 4' X 2' with heavy duty S type chair with hand rest. The above is of Godrej or similar make	Numbers	21.00	16381.00	344001.00
5	22220800	Navtal locks or godrej make 75mm or better with 2 keys.	Numbers	34.00	631.00	21454.00
6	22220900	Supply of Step ladder Aluminium made of BATHLA make or better of App 5 feet height	Numbers	8.00	10392.00	83136.00
7	22221000	Fabrication, supply and fixing Aluminium ladder of size 25 X 25 X 5mm, 200mm width, arrangements for drawing various wires in the battery, equipment and relay rooms.	RMT	9.00	4128.00	37152.00

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

8	22221100	Supply and installation of magneto telephone handle type and supply and wiring of Ni-cad power pack 4V-2.2AH with charger to work on 110VAC, at the station house, LC Gate and top points. [Magneto telephone handle type with Ni-cad power pack 4V-2.2AH with charger to work on 110VAC, wire PVC 16/0.2mm copper, and all other miscellaneous materials shall be supplied by the Contractor.]	Numbers	60.00	12526.00	751560.00
9	22221200	Manufacture and supply of teak wood tool box of size 1000X750X100mm made of 25mm thick teakwood per splex sheet fronted 6mm (Colourless) fixed on the wall at a convenient location as instructed by Railway representative at site. The board should have provision of pad lock and locking arrangements and shall be equipped with the following tools[reputed make]: Digital Multimeter similar to Model No.Rish Multi 15S with suitable carrying case and test probes. Multimeter similar to Model No.HM 102 BZ Hungchung with test probes with suitable carrying case.- 1 No. Centre zero ammeter 30-0-30 Amps - 1 No. Screw drivers of different types and sizes with common handle - 1 set Spanner double ended 33mm - 1 No. Spanners double ended 3/8x1/2" - 1 No. Spanners double ended 5/8x3/4" - 1 No. Spanners double ended 7/8x1" - 1 No. Hammer 1 1/2 lbs ball pane - 1 No. Hacksaw frame - 1 No. Adjustable screw spanner 12" - 1 No. Insulated cutting pliers- 1 No. Insulated nose plier- 1 No. Electric soldering iron 230V 60W Soldron/Philips make - 1 No. o. Electric soldering iron 110V 35W Soldron/ Philips make - 1 No. p. Megger 500V/ 500Mohms. with Probe - 1 No. The above tools shall be purchased from Reputed manufacturers only in consultation with the Railway representative at site. [Teak wood tool box made of 25mm teakwood plank, per spex sheet, all the tools mentioned above, padlock and other miscellaneous items shall be supplied by the Contractor].	Numbers	12.00	31112.00	373344.00
<b>Total</b>						<b>3613831.00</b>

**4. ELIGIBILITY CONDITIONS**

**Important :** All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only

**Standard Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
-------	-------------	-----------------------	-----------------	---------------------

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

1	The Tenderer shall be eligible only if he fulfils the following Standard Financial Eligibility Criteria FOR WORKS COSTING ABOVE Rs.50.00 LAKHS: The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less, where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. Client certificate from other than Govt Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India. No Technical and Financial credentials are required for tenders having value up to Rs.50 lakh. For tenders costing more than Rs.20 crore, eligibility criteria include bid capacity also as specified in clause 10.3 of IRSGCC-April 2022 - PART I - "Regulations for Tenders and Contracts - For the Guidance of Engineers & Contractors for Works Contracts." The tender/technical bid will be evaluated based on bid capacity formula detailed as Annexure-VI. The tenderer will be qualified only if it's available bid capacity is equal to or more than the total bid value of the present tender	No	No	Allowed (Mandatory)
1.1	Bid Capacity shall be governed in terms of Clause 10.3 of IRSGCC 2022. The tender/technical bid will be evaluated based on Bid Capacity formula detailed as Annexure-VI of IRSGCC 2022. The Bid Capacity is applicable for works costing more than Rs. 20 Crores and details regarding Bid Capacity shall be submitted along with the tender as per Proforma-2 duly verified and certified by the Chartered Accountant.	No	No	Allowed (Optional)

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Definition Of Similar Work : Execution of Signalling Works (EI/RR/PI/Auto Block Sig/IBS/IBH) either Indoor or Outdoor or Both. As per Note Under A1 NOTE-A1: For the following equipment's after award of the contract and before supply of equipment "MoU with RDSO approved firm (if available) or in case not available, MoU with OEM who meets the RDSO specification" covering supply, installation, testing and commissioning of system shall be submitted including after sales support required during the warranty period.	No	No	Allowed (Mandatory)

**Standard Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
-------	-------------	-----------------------	-----------------	---------------------

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

1	<p>A) Technical eligibility criteria for non-composite works costing above Rs.50.00 lakhs As per clause 10.1(a) of IRGCC-2022( part-1) :. (a)The tenderer must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: 1.Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, Or 2.Two similar works each costing not less than the amount equal to 40% of advertised value of the tender or 3.One similar work each costing not less than the amount equal to 60% of advertised value of the tender B ) Technical eligibility for composite tender: 1.Each component of value more than 2 Crs shall be taken for evaluation of technical eligibility as per 10.1(b) of IRSGCC-2022. 2.In case single completion certificate containing more than one component is submitted by the tenderer, value of each component is to be specified in that completion certificate. Separate completed works of minimum required values for each component shall also be considered for fulfillment of technical eligibility criteria 3.In case tenderer fails to submit completion certificate with component wise value bifurcation of work for evaluation of technical eligibility, the certificate shall be treated Incomplete and invalid and shall not be considered for evaluation of technical eligibility. 4.Technical eligibility shall be fulfilled by tenderer or any member having minimum 26% share in case of JV as per clause 10. 1.(b) (i) of IRSGCC-2022 (Part- I) and 17.15.1(b) of IRSGCC-2022 (Part- I) for the component/components of value of more than 50% of tender value or by Sub- contractor as per clause 7(a)(ii) of GCC (Part-II) for the other component/ components of value less than 50% of tender value. Each other member of JV shall have technical capacity of minimum 10% of advertised value of any component. 5.If the Tenderer proposes to subcontract any component/components as per item 4 above , which is less than 50% of tender value, then a formal agreement duly notarized, legally enforceable in the court of law, shall be executed by the sub-contractor(s) and shall be submitted along with the offer for considering subletting of that scope of work towards fulfillment of technical eligibility as per clause 7(a)(ii) of Part II of IRSGCC 2022. 6.For component less than Rs 2 Cr, technical Eligibility will not be considered in tender evaluation and the documents of sub-contractor need not be submitted along with tender. 7.The contractor will engage an eligible sub-contractor after award of contract with the approval of Chief Engineer in writing subject to complying clause 7 of Part II of IRSGCC 2022 . Note: Tenderers may see Explanation for Para 10 of the Tender Form (Second Sheet) including Para 10.1 to 10.5 - Eligibility Criteria of IRSGCC-2022.</p>	No	No	Allowed (Mandatory)
1.1	<p>Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organisation, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of closing of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates. The work executed by the tenderer for any Govt. /Govt.bodies/PSUs and public listed company shall only be considered for fulfilling of Technical Eligibility Criteria. In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.</p>	No	No	Not Allowed
1.2	<p>Defination of Similar Work :- Execution of Signalling Works (EI/RR/PI/Auto Block Sig./IBS/IBH) either Indoor or Outdoor or Both</p>	No	No	Not Allowed

**Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:**

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.
9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

**Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.**

S.No.	Description
1	<b>Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.</b> Please submit a certificate in the prescribed format (please download the format from the link given below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. ( <a href="#">Click here</a> to download the Format of Self Certification)

**5. COMPLIANCE**

**Important :** All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.

**Check Lst**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Uploading of Scanned copy of work experience certificate issued by public listed company, copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company etc. as per Note for clause 10.1 of IRSGCC- April 2022.	No	No	Not Allowed
2	Uploading of Scanned copy of Statement of payment received in the Last three financial years and the current financial year (as per Pro forma- 2A) along with copies of relevant supporting documents as stipulated.	No	No	Not Allowed
3	Uploading of Form 16A/26AS generated through TRACES of Income Tax Department of India, if Client certificate is from other than Govt. Organization.	No	No	Not Allowed
4	Uploading of Certificate in regard to restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries India .	No	No	Not Allowed
5	Uploading a scanned copy of Registration Certificate by Startup firms issued by appropriate authority and recognized by Department of Industrial Policy and Promotion (DIPP) towards exemption of full BID Security and Registration Certificate with registration number by Labour Co-operative Society issued by appropriate authority for payment of 50% BID Security.	No	No	Not Allowed

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

6	Uploading of Scanned copy/copies of proof(s) of Technical Eligibility Criteria as mentioned in Standard Technical Criteria (as per Proforma - 1)	No	No	Not Allowed
7	Uploading of Scanned copy/copies of proof(s) of Financial Eligibility Criteria as mentioned in Standard Financial Criteria (as per Proforma - 2a & relevant documents)	No	No	Not Allowed
8	Uploading of Scanned copy of Bid Capacity (as per Proforma - 2), and in terms of clause No. 10.3 and 10.5 of IRGCC-2022 (if applicable)	No	No	Not Allowed
9	Uploading of Scanned copy of Certificate as per the format for Certificate linked under heading Submission of Certificate.	No	No	Not Allowed
10	Uploading of required documents in case of Individual/Proprietary Firm/Concern (or) Partnership Firm (or) Company (or) LLP Firm (or) Registered Society & Registered Trust (or) Joint Venture Firm (or) HUF etc., as mentioned in Commercial Compliance (whichever is applicable).	No	No	Not Allowed
11	Uploading of Scanned copy of List of Machinery, Tools & Plants (as per Proforma - 3). and Staff to be Deployed on this work (as per Proforma - 3).	No	No	Not Allowed
12	Uploading of Scanned copy of Statement of Bank details, PAN & GST (as per Proforma - 5)	No	No	Not Allowed
13	Uploading of Scanned copy of the declaration regarding employment of Retired Engineer / Retired Railway Officer (as per Proforma - 6)	No	No	Not Allowed
14	Uploading a scanned copy of the Memorandum of Understanding in the case of a JV firm (as per Proforma - 7)	No	No	Not Allowed
15	Uploading of request for grant of Mobilisation Advance (as per Proforma-8), if applicable.	No	No	Not Allowed
16	Uploading of Proforma for Self-Certificate in regard to meeting the Minimum Local Content requirements as per Make in India Policy for Procurement Order Value less than of Rs.10 Crores. (as per Clause - 45(a) of Special Conditions of Contract)(as per Proforma-9)	No	No	Not Allowed
17	Uploading of Proforma of Certificate on percentage of Local Content as per Make in India Policy for Procurement Order Value more than Rs.10 Crores. (as per clause - 45(b) of Special Conditions of Contract)(as per Proforma-10)	No	No	Not Allowed
18	Uploading of Method Statement, if applicable.	No	No	Not Allowed

**Commercial-Compliance**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)
2	In case of Proprietary Firm / Proprietary Concern, the tenderers shall scan and submit with his offer (i)An undertaking that he is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which he was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract. (ii)All other documents in terms of explanatory notes in clause 10 of IRSGCC - April -2022-Part-I. (iii)All other documents as per Clause 14 of IRSGCC -April - 2022- Part-1.	Yes	Yes	Allowed (Optional)

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

3	In case of Partnership Firm, the tenderer(s) shall scan and submit with their offer, the following documents: (i)A notarized copy of partnership deed or a copy of partnership deed registered with registrar. (ii)A notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm. (iii) An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the bid ineligible or the contract shall be determined under Clause 62 of the Standard General Conditions of Contract (iv)Other documents as mentioned in terms of para 10 tender form (2nd sheet) of IRSGCC April- 2022-Part I. (v) All other documents as per Clause 14 and Clause 18 of IRSGCC -April -2022- Part 1.	Yes	Yes	Allowed (Optional)
4	In case, the Tenderer is a Company, the tenderer(s) shall scan and submit with their offer, the following documents: (i)The copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company (ii)A copy of Certificate of Incorporation (iii)A copy of Authorization/Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company. (iv)An undertaking that the Company is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which the Company was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract. (v)All other documents in terms of 10 of tender form (2nd Sheet) of IRSGCC - 2022 (vi) All other documents as per Clause 14of IRSGCC -April - 2022- Part 1.	Yes	Yes	Allowed (Optional)

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

5	<p>In case, the Tenderer is a JV Firm, the tenderer(s) shall scan and submit with their offer the following documents: In case one or more of the members of the JV is/are (A)Partnership firm(s), following documents shall be submitted: (i)A notarized copy of the Partnership Deed or Copy of partnership deed registered with registrar, (ii)A copy of consent of all the partners or individual authorized by partnership firm, to enter into the Joint Venture Agreement on a stamp paper, (iii)A notarized or registered copy of Power of Attorney in favour of the individual to sign the MOU/JV Agreement on behalf of the partnership firm and create liability against the firm.(iv)An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the bid ineligible or the contract shall be determined under Clause 62 of the Standard General Conditions of Contract. In case one or more members is/are (B) HUF, the following documents shall be enclosed: (i) A copy of notarized affidavit on Stamp Paper declaring that his concern is a proprietary concern and he is sole proprietor of the concern or he who is signing the affidavit on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF. In case one or more members of the JV is/are (C)Companies, the following documents shall be submitted: (i)A copy of resolutions of the Directors of the Company, permitting the company to enter into a JV agreement, (ii)The copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company (iii)A copy of Certificate of Incorporation (iv)A copy of Authorization/copy of Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender, sign MOU/JV Agreement on behalf of the company and create liability against the company. In case one or more members of the JV is/are LLP firm/s, the following documents shall be submitted: (i)A copy of LLP Agreement (ii)A copy of Certificate of Incorporation of LLP(iii) A copy of resolution passed by partners of LLP firm, permitting the Firm to enter into a JV agreement.(iv) A copy of Authorization /copy of Power of Attorney issued by the LLP firm (backed by resolution passed by the Partners) in favour of the individual, to sign the tender and/or sign the MOU/ JV agreement on behalf of the LLP and create liability against the LLP. (v)An undertaking by all partners of the LLP that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders/ contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP or JV in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the Standard General Conditions of Contract</p>	Yes	Yes	Allowed (Optional)
5.1	<p>(E)In case one or more members of the JV is/are Society/s or Trust/s, the following documents shall be submitted: (i)A copy of Certificate of Registration (ii)A copy of Memorandum of Association of Society/Trust Deed A copy of Rules &amp; Regulations of the Society (iii) A copy of Power of Attorney, in favour of the individual to sign the tender documents and create liability against the Society/Trust.(F)Other documents as mentioned in terms of para 10 of Tender form(2nd sheet) of IRSGCC-April-2022 Part-I. (G)All other documents as per Clause 14 , 17 &amp; 18 of IRSGCC-April2022 -Part 1 are to be submitted.</p>	No	No	Not Allowed



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

6	In case the Tenderer is HUF, the following documents shall be submitted along with the tender: (i)A copy of notarized affidavit on Stamp Paper declaring that he who is submitting the tender on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF. (ii)An undertaking that the HUF is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which HUF was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract. (iii)All other documents in terms of Para 10 of Tender form (2nd sheet) of IRS GCC April 2022. (iv) All other documents as per Clause 14 of IRSGCC -April-2022- Part 1.	Yes	Yes	Allowed (Optional)
7	In case tenderer is a LLP Firm registered under LLP Act-2008, the following documents shall be submitted: (i)A copy of LLP Agreement (ii)A copy of Certificate of Incorporation (iii)A copy of Power of Attorney/Authorization issued by the LLP in favour of the individual to sign the tender on behalf of the LLP and create liability against the LLP. (iv) An undertaking by all partners of the LLP that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP or JV in which they were / are partners/members. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the Standard General Conditions of Contract (v)All other documents in terms of Para 10 of Tender form(2nd sheet) of IRSGCC- April-2022 Part-I. (vi) All other documents as per Clause 14 of IRSGCC -April -2022- Part 1.	Yes	Yes	Allowed (Optional)
8	In case the Tenderer is a Registered Society & Registered Trust: The tenderer shall scan and submit the following documents: (i).Copy of the Certificate of Registration, (ii).Deed of Formation. (iii).Copy of working rule of the society. (iv).Copy of registration for change in the constituents of the entity. (v). Copy of POA to individual member(s) of the society (or) trustee(s) duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person authorizing him to do all such acts, deeds and things necessary in connection with or incidental to submission of tender including digitally sign and submit the tender and all documents specified in the Tender Document, including undertakings, letters, certificates, acceptances, clarifications, guarantees, etc., making representations to and providing information / responses to Railway, representing individual member(s) of society or trustee(s) in all matters before the Railway and generally dealing with the Railway in all matters in connection with tender , sign the agreement, receive money, co-ordinate measurements through contractor's authorized engineer, witness measurements, sign measurement books, compromise, settle, relinquish any claim(s) preferred by the Society / Trust and sign "No Claim Certificate" and refer all or any disputes to arbitration and create liability against the Society / Trust.	Yes	Yes	Allowed (Optional)
9	Scanned copy of Statement of Bank details, PAN & GST (as per Proforma - 5).	Yes	Yes	Allowed (Optional)
10	Request for Mobilisation Advance (as per Proforma-8), if applicable	Yes	Yes	Allowed (Optional)
11	Uploading of Proforma for Self-Certificate in regard to meeting the Minimum Local Content requirements as per Make in India Policy for Procurement Order Value less than of Rs.10 Crores. (as per Clause - 45(a) of Special Conditions of Contract)(as per Proforma-9)	Yes	Yes	Allowed (Optional)
12	Uploading of Proforma of Certificate on percentage of Local Content as per Make in India Policy for Procurement Order Value more than Rs.10 Crores. (as per clause - 45(b) of Special Conditions of Contract)(as per Proforma-10)	Yes	Yes	Allowed (Optional)
13	Any other document required for evaluation of his/ their bid as deemed fit by the tenderer.	Yes	Yes	Allowed (Optional)

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

14	Uploading of Scanned copy/copies of formal agreement duly executed and notarised by the main tenderer/contractor with the subcontractor for the component(s) of work in a composite work proposed to be executed through subcontractor(s).	No	Yes	Allowed (Optional)
15	The tenderer whether sole proprietor/Company or a partnership firm/JV venture (JV) / Registered Society / Registered Trust/HUF etc., if they want to act through agent or individual(s), should submit along with tender, a copy of Power of attorney duly stamped and authenticated by a notary public or by magistrate in favour of specific person whether he/they be partner(s) of the firm or any other person agreement, receive money, co-ordinate measurement through contractors authorized engineer, witnessed measurement, sign measurements books, compromise, settle, relinquish any claim(s) preferred by the firm and sign " No Claim Certificate" and refer all or any disputes to arbitration the above power of attorney shall be submitted even if such specific person is authorized for above purpose through partnership deed/memorandum of understanding/Article of Association or such other document, failing which, tender is liable to be rejected.	No	No	Allowed (Optional)
16	An undertaking that bidder is not blacklisted or debarred by railways or any other Ministry /Department of Government of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which he was/ is a partner/member. Concealment /wrong information in regard to above shall make the contract liable for determination under clause 62 of the General conditions of the contract.	No	No	Allowed (Mandatory)

**General Instructions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tenderers are advised to read the instructions contained in the User Manual for Contractors for IREPS (Works Module) available in the learning centre in website <a href="http://www.ireps.gov.in">www.ireps.gov.in</a> before preparation of Bid Online.	No	No	Not Allowed
2	(a)The Tender Document on IREPS (Works Module) is having Nine (9) Parts viz., 1. NIT Header 2. Schedule 3. Items break-up 4. Eligibility Conditions 5. Compliance (Check List, Commercial, Technical) 6. General Instructions 7. Special Conditions 8. Undertakings 9. Documents attached with Tender (b) Documents attached with this tender are listed under Part 9 of Tender Document shall form part of the complete Tender Document/Contract Document for the tendered work. Tenderers are advised to read carefully all conditions contained in the aforesaid documents before preparing their bid. (c) To submit bid on line, the Tenderer shall navigate different tabs such as Eligibility Conditions, Compliance Conditions, General Instructions, Special Conditions, Technical/ Commercial Compliance Conditions, Undertakings, Checklists and other miscellaneous conditions included by the Railway in the tender document. It is also indicated against each condition whether the bidder is required to confirm whether he complies or not with the requirements of the condition (by clicking on the yes/no buttons), whether the bidder is allowed to enter his comments/remarks against the clause, and whether documents uploading against the condition is Allowed (Mandatory), Allowed (Optional) or Not Allowed. The tenderers are advised to read all the instructions/conditions contained in such documents carefully, before submitting their bid online.	No	No	Not Allowed
3	The Bid Security shall be deposited either in cash through e-payment gateway or submitted as Bank Guarantee bond from a scheduled commercial bank of India or as mentioned in tender documents. The Bank Guarantee bond shall be as per Annexure-VIA and shall be valid for a period of 90days beyond the bid validity period. Tenderers may refer Para 5 of IRSGCC -2022 -Part-1 for other details in regard to payment of bid security.	No	No	Not Allowed
4	BID security of those tenderers will be forfeited who resile from their offers within the validity period of the tender.	No	No	Not Allowed
5	Joint Venture is applicable for tenders valuing more than Rs.10.00 Cr. only.	No	No	Not Allowed

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

6	Tenderers are advised to submit scanned copies of all documents including notarized documents. The responsibility of submitting the correct documents lies with the tenderer. Tenderers may ensure that all scanned and uploaded documents are readable and that there are no errors/ omissions/discrepancies / over-writings anywhere in such documents before submitting online. Railway will not be responsible for any incomplete/erroneous documents uploaded.	No	No	Not Allowed
7	The tenderer shall not add any condition(s) on their own anywhere in their offer including documents uploaded with the offer. Any such conditions if stated and if are in violation of the Railways Tender conditions, may lead to summary rejection of the offer. Railway reserves the right to reject such offers summarily without assigning any reasons whatsoever.	No	No	Not Allowed
8	No post tender correspondence will be permitted and the tender shall be decided based on the documents submitted / attached with the offer only. However, Railway reserves the right to verify / seek for any clarification on the documents/credentials already submitted by the tenderer along with the offer.	No	No	Not Allowed
9	Railway reserves the right to verify/seek clarification from authority/professional who has issued Certificate towards Technical/Financial eligibility of the tenderer.	No	No	Not Allowed
10	Railway reserves the right to cancel the tender without assigning any reason thereof.	No	No	Not Allowed
11	Railways reserve the right to reject any or all offers without assigning any reason thereof.	No	No	Not Allowed
12	If the Tenderer(s) deliberately give(s) wrong information in tender or create(s) circumstance for the acceptance of tender, Railway shall without prejudice to any other right or remedy, shall reject such offer at any stage and forfeit the amount deposited as Bid Security besides suspending the business for a minimum period of Two years.	No	No	Not Allowed
13	Certificate as per the format linked under heading Submission of Certificate shall be scanned and submitted/attached with the offer. Failure to submit/attach the certificate with the offer shall render offer incomplete and such offer will be rejected summarily.	No	No	Not Allowed
14	Even for the working contractors of this Railway, the onus of establishing the credentials of the tenderers from the office records or otherwise does not lie with the Railway. Railway shall evaluate the offer only from the certificates/documents which are submitted / attached with the offer.	No	No	Not Allowed
15	The Tenderer(s) shall keep the offer open for a minimum period of 60 days in the case of Single Packet system of tendering and 90 days in the case of Two Packet system of tendering from the date of closing of the tender.	No	No	Not Allowed
16	If eligible L-1 tenderer resiles/withdraws offer after closing of the tender such tenderer shall be debarred from participation in the tender for this work and Bid Security shall be forfeited.	No	No	Not Allowed
17	The General Conditions of Contract governing the performance of the works covered by this tender are the Indian Railway Standard General Conditions of Contract [IRSGCC]-April-2022 as amended from time to time up to date. A soft copy of the Indian Railway Standard General conditions of Contract is given as attached documents to the tender for reference. The tenderer(s) is/are deemed to have fully read, understood and agreed all the provisions of the IRS General conditions of Contract including all corrections and Amendments issued up to date while submission of offer and any claim that the tenderer (s) is/are not aware of same shall not be entertained.	No	No	Not Allowed
18	The decision of the Railway regarding the corrections/suitability of the certificates is final and binding on the tenderer. The tenderer shall not have any claim whatsoever in this regard.	No	No	Not Allowed
19	Unreleased Bid Security, if any, held with the Railway Administration shall not be adjusted towards the Bid Security to be remitted online for the present tender.	No	No	Not Allowed

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

20	The tenderers are advised to visit the site of work in their own interest and acquaint themselves with the site conditions and expected quantum of work. The rate should be quoted duly considering the site conditions. The tenderer shall not have any claim later whatsoever in this regard.	No	No	Not Allowed
21	Refund of Bid security - (a) In Single Packet System, the Bid Security of the unsuccessful tenderers will be returned on finalization/award of tender. (b) In case of Two Packet System, the Bid Security of the tenderers who do not get shortlisted on evaluation of technical bid will be returned by Railways. The price bids of shortlisted tenderers will be further evaluated for consideration and award of work and there after Bid Security of unsuccessful tenderers will be returned.	No	No	Not Allowed
22	In case the tenderer is a JV, the bid can be submitted online either by the JV itself, if the JV already exists (duly registered already before the Registrar of the Companies under Companies Act or before the Registrar/Sub-Registrar under the Registration Act, 1908) by using Digital Signature of JV or alternatively, the bid can also be submitted by one of the members authorised by the JV to deal with the tender using the Digital Signature of such authorised member. In such cases, the JV shall mention this in the MOU.	No	No	Not Allowed
23	Corrigendum Notice: For the purpose of Corrigendum in the tender, the Notice Inviting Tender (NIT) period is split as under: (a) Advertisement period: Time during which all information pertaining to tender shall be available but offers cannot be submitted. (b) Offer submission period: Fifteen days prior to closing of tender during which tenderers can submit their offers. Issue of corrigendum will be done only during Advertisement period. No corrigendum will be issued during offer submission period. However, the tenderers may note that for cases requiring corrigendum during offer submission period, the tender under the said Tender Notice may be cancelled at the discretion of Railways and shall be re-tendered.	No	No	Not Allowed
24	Mobilisation Advance is applicable for advertised Tender value of more than Rs.25.00 Crore. Tenderers may read the terms and conditions for grant of such Mobilisation Advance given in the Tender Document. The rate of interest will be as notified by Railway Board in advance of each financial year and will be applicable for tenders opened in that financial year. Tenderers may submit their request for grant of Mobilisation Advance in Proforma-8 attached with Tender Document.	No	No	Not Allowed
25	An individual / Proprietor / Partnership Firm / Company /JV/HUF/LLP Firm/Registered Society & Registered Trust can submit only one offer either in his/their individual capacity or as a Proprietor or as a partner of Partnership firm/JV/HUF/LLP Firm/Registered Society & Registered Trust or as a Director of any Company etc. In case of more than one offer received and any person is also a Proprietor/Partner of Partnership Firm/JV/HUF/LLP Firm/Registered Society & Registered Trust or Director of any Company which also participated in the same tender, then all such offers shall be considered as "Invalid".	No	No	Not Allowed
26	The tenderer shall quote his rate as a percentage above or below or at par with the Schedule of Rates except where he is required to quote item rates and must tender for all the items in the Schedule of Quantities as appearing in the Financial Offer Page. The tenderer can also offer rebate (in percentage) on the Gross Bid value in the rebate field provided on the Financial Offer Page. The Net Bid value shall be calculated by applying rebate on the Gross Bid value. The offers shall be ranked on the basis of the Net Bid value.	No	No	Not Allowed
27	Instructions regarding applicability of Price Variation Clause (PVC) is contained in the Tender Documents. Tenderers are advised to read such conditions before preparing their bid.	No	No	Not Allowed
28	The offer shall be submitted by the tenderer or the person authorised by the tenderer to digitally sign the tender documents / contract documents on behalf of the tenderer.	No	No	Not Allowed
29	The detailed item description of NON-SOR items is given in the document attached with the tender. Tenderers are advised to read carefully before preparing their bid.	No	No	Not Allowed

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

30	The tenderer shall submit along with the tender document, documents in support of his/their claim to fulfil the eligibility criteria as mentioned in the tender document. Each page of the copy of documents/certificates in support of credentials, submitted by the tenderer, shall be self-attested/digitally signed by the tenderer or authorised representative of the tendering firm. Self-attestation shall include signature, stamp and date (on each page). Only those documents which are declared explicitly by the tenderer as documents supporting the claim of qualifying the laid down eligibility criteria, will be considered for evaluating his/their tender.	No	No	Not Allowed
31	The Railway reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the Railway, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the railway shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of the railway thereunder.	No	No	Not Allowed
32	In case of any wrong information submitted by tenderer, the contract shall be terminated, Bid security, Performance Guarantee (PG) and Security Deposit (SD) of contract forfeited and agency barred for doing business on entire Indian Railways for 2(two) years.	No	No	Not Allowed
33	STUDY OF DRAWINGS AND LOCAL CONDITIONS: The drawings for the works can be seen in the office of the CSTE/ Construction/ South Western Railway / Bengaluru Cantonment, No.18, Millers Road, Bangalore - 560 046 or in the office of the concerned field Dy.CSTE / Construction / S.W.Railway . It should be noted that these drawings are meant for general guidance only and Railway may suitably modify them during the execution of work according to the circumstances without making the Railways liable for any claims on account of such changes. If there is any variation between the description in the tender and the detailed plans, the Engineer-in-Charge will operate the correct description and his decision is final and binding on the tenderer/Contractor. The Tenderer/ Contractor is required to inspect the sites of works and acquaint himself with the site conditions, availability of approaches for transporting of men and materials, space and other factors relating to the works, availability of labour, electricity and water, etc., before quoting his rates. The extent of lead and lift involved in the execution of works and any difficulties involved in the execution of work should also be examined before formulating the rates for complete items of works described in the schedule. The Tender submitted will be deemed to have been made after such Inspection.	No	No	Not Allowed
34	DRAWINGS FOR WORKS: The percentage rates for the schedule items and itemized rates for the non-scheduled items quoted by the tenderer as may be accepted by the railways will, hold good irrespective of any changes, modifications, alterations, additions, omissions in the locations of structures and detailed drawings, specifications and/ or the manner of executing the work. It should be specifically noted that some of the detailed drawings may not have been finalised by the Railway and will, therefore, be supplied to the contractor as and when they are finalised on demand. No compensation whatsoever on this account shall be payable by the Railway Administration. No claim whatsoever will be entertained by the Railway on account of any delay or hold up of the works arising out of delay in approval of drawings, changes, modifications, alterations, additions, omission and the site layout plans or detailed drawings and design and/or late supply of such material as are required to be arranged by the Railway or due to any other factor on Railway Accounts.	No	No	Not Allowed
35	Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. Please refer Clause - 49 of SCC for further details.	No	No	Not Allowed
36	The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.	No	No	Not Allowed

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

37	The work experience certificate shall be issued by an officer not below the rank of JA grade or bill passing Officer in Railways and Bill passing Officer/Executive In-Charge of work in other Govt. /Govt. bodies /PSUs. The certificates should bear the signature and seal of the issuing officer, name of the department. Etc.,	No	No	Not Allowed
38	As per clause No. 5 part I of IRGCC 2022 the details of exemptions/ discount of Earnest Bid security is as follow:	No	No	Not Allowed
38.1	i) Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of earnest money deposit.	No	No	Not Allowed
38.2	ii) 100 % Govt owned PSUs shall be exempt from payment of earnest money deposit	No	No	Not Allowed
38.3	iii) Labour Cooperative Societies shall deposit only 50 % of earnest deposit as mentioned in the tender.	No	No	Not Allowed
39	E-Tender Forms shall be issued free of cost to all tenderers. Date of inviting tender shall be the date of publishing tender notice on IREPS website if tender is published on website or the date of publication in newspaper in case tender is not published on website	No	No	Not Allowed
40	The Railway will not be bound by any change in the composition of the Partnership firm made subsequent to the submission of tender. Railway may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Contractor	No	No	Not Allowed
41	If the JV is dissolved on account of death, retirement of any member or for any reason what so ever, before fully completing the whole work or any part of it, undertaken by the contract agreement, the surviving member shall remain jointly, severally and personally liable to complete the whole work to the satisfaction of the Railway and to pay compensation for loss sustained if any by the Railway due to such dissolution. The amount of compensation shall be decided by the Railway and this shall be final and binding on the contractor.	No	No	Not Allowed
42	In Case JV firms are allowed to participate, Technical and financial Eligibility of the JV firm shall be adjudged based on satisfactory fulfilment of the clause No 17.15.1 & 17.15.2 respectively of Part-I of IRSGCC- April-2022 with upto date correction slip.	No	No	Not Allowed
43	In Case participation of partnership firm, Technical and financial Eligibility shall be adjusted based on satisfactory fulfilment of the clause No 10,14I & 18 of Part-I of IRSGCC- April-2022with upto date correction slip.	No	No	Not Allowed
44	The tenderer whether sole proprietor/company or a partnership firm/ JV venture (JV) / Registered Society / Registered Trust / HUF etc., if they want to act through agent or individual(s), should submit along with tender, a copy of Power of attorney duly stamped and authenticated by a notary public or by magistrate in favour of specific person whether he/they be partner(s) of the firm or any other person specifically authorizing him/them to submit the tender, sign the agreement, receive money, coordinate measurement through contractors authorized engineer, witness measurements, sign measurements books, compromise, settle, relinquish any claim(s) preferred by the firm and sign "No claim certificate" and refer all or any disputes to arbitration. The above power of attorney shall be submitted even if such specific person is authorized for above purpose through partnership deed/ memorandum of understanding / Article of Association or such other documents, failing which, tender liable to be rejected.	No	No	Not Allowed

**Special Conditions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	If a tenderer is accepted on the quoted rates of bidder which is below the advertised tender value an additional performance security shall be submitted by the bidder as below. Bid quoted below 0-5% (inclusive): Additional performance guarantee is Nil. Bid quoted below 5%: Additional Performance Guarantee to be paid is 5%. (Reference no. IRGCC APRIL 2022 ACS11) Dt.13.03.2026	No	No	Not Allowed

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

2	An offer shall get summarily rejected if Compliance of Local content requirement is not fulfilled and proforma 9 (for works upto Rs.10 Cr) or proforma 10 (for works more than Rs.10 Cr) is not submitted.	No	No	Not Allowed
3	All rates shall be inclusive of all taxes, duties, charges, royalties etc. as applicable from time to time. In this regard tenderers may refer IRSGCC 2022 with latest correction slips including correction slips issued from time to time and Special Conditions of Contract (SCC) attached with Tender Document. (b) Royalty charges will be regulated as per Special Conditions of Contract attached with Tender Document.	No	No	Not Allowed
4	Unless otherwise explicitly specified, this tender is not a composite tender.	No	No	Not Allowed
5	Unless otherwise explicitly specified, incentive bonus payment clause is not applicable.	No	No	Not Allowed
6	An offer shall become invalid: - (i)if the Bid Security is not paid as per IRGCC - 2022 (ii)if the offer is not digitally signed by the tenderer/by the Attorney / by the person authorized by the tenderer to sign and submit the tender on his/their behalf. (iii)if any individual / Proprietor / Partnership Firm / Company /JV Firm/HUF/Society etc. uploads more than one offer either in his/their individual capacity or as a Proprietor or as a Partner/Member of Partnership Firm / JV Firm / HUF / Society etc. or as a Director of any Company, etc. B) An offer shall get summarily rejected if the following documents are not submitted /attached with offer as per the list mentioned in the tender documents: - (i)Documents as applicable in case of Proprietary concern/ Partnership firm / JV Firm / Company/HUF/Society/LLP Firm, etc. (ii) Document verification Certificate. (iii)Ballast test certificate, if applicable. (iv)any other document required for evaluation of the bid. C) An offer shall get summarily rejected if the tenderer adds any condition on his/their own (anywhere in the e-offer), which is in violation of the Railway's Tender Conditions. D) An offer shall become ineligible for award of the tendered work if the tenderer does not fulfil the Eligibility Conditions, (both the Standard Financial Eligibility Criteria and the Standard Technical Eligibility Criteria) prescribed in the Tender Documents and bid capacity if applicable.	No	No	Not Allowed

**Technical-Compliances**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Declaration regarding Employment of Retired Engineer/Retired Railway Officer (Proforma - 6).	Yes	Yes	Allowed (Optional)
2	List of Machinery, Tools, Plants (Proforma - 3& Staff to be Deployed on this work (Proforma - 3).	Yes	Yes	Allowed (Optional)
3	Method statement and Time Schedule in the form of PERT chart indicating all activities and showing the period of time that he will take for the various items of work listed therein. The Tenderer shall indicate in the form of notes to the schedule the assumptions and the basis adopted for the preparation of the time schedule, if applicable.	Yes	Yes	Allowed (Optional)

**Undertakings**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/ We have visited the works site and I / We am / are aware of the site conditions	No	No	Not Allowed

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

2	I/we have read the various conditions of this Tender Document (including documents attached with the Tender Document) and agree to a bid by the said conditions. I/we have also perused the Contract Documents (i.e., the Indian Railways Standard General Conditions of Contract 2022 including correction slips issued from time to time, Special Conditions of Contract and Special Specifications, Regulations to Tenderers (for the guidance of Engineers and Contractors for S&T Works under Works Contracts), Additional Special Conditions, Technical Specifications and Technical Conditions and the SOR-2011 of the Southern Railway and all other documents attached to the Tender and that I/we am/are fully aware that I/we will have to perform the contract if my/our Tender is accepted subject to the Contract Documents complete aforesaid. I/we offer to do the work for South Western Railway at the rates quoted in the SCHEDULE and hereby bind myself/ourselves to complete the work in all respects within the completion period as given in the Tender Document/Contract Document from the date of issue of the Letter of Acceptance.	No	No	Not Allowed
3	I/we also agree to keep this offer open for acceptance for a period of 60 days in case of SINGLE PACKET SYSTEM and 90 days in case of TWO PACKET SYSTEM from the date fixed for closing of the bid and will not resile from offer or modify the terms and conditions thereof in a manner not acceptable to Railways and in any default thereof, I/we will be liable for forfeiture of my/our Earnest Money.	No	No	Not Allowed
4	The requisite amount towards bid security is paid as per IRGCC 2022. I/ We are aware that the full value of the bid security shall stand forfeited without prejudice to any other rights or remedies in case my/our e-offer is accepted and if	No	No	Not Allowed
4.1	A) I/We do not execute the contract documents within seven days after receipt of notice issued by the railway that such documents are ready.	No	No	Not Allowed
4.2	B) I / We do not commence the work within fifteen days after receipt of orders to that effect.	No	No	Not Allowed
4.3	C) I / We do not submit a Performance Guarantee in any of the forms as prescribed.	No	No	Not Allowed
5	I am the authorised person to represent the tendering firm and I am authorised to digitally sign the tender documents and all the other documents on behalf of the firm. I am fully aware that the offer will get summarily rejected if the offer is digitally signed by any person other than the person who is authorised to digitally sign and submit the Tender Document on behalf of the tendering firm.	No	No	Not Allowed
6	I / We hereby certify that all the statements and documents scanned and submitted with my / our offer are true and correct.	No	No	Not Allowed
7	I am / we are aware of the fact that this offer is made in the full understanding that the Railway reserves the right to verify all statements, information and documents submitted in tender offer, and when it is so required by the Railway, I / We shall make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the Railway shall not relieve me/us of my/our obligations or liabilities nor will it affect any rights of the Railway.	No	No	Not Allowed
8	I / We (including our constituents) have not been blacklisted or debarred by Railways or any other Ministry/Department of the Government of India / any State Government/ Public Sector Undertaking of the Government of India/State Government from participation in tenders/contracts as on the date of opening of bids, either in our Individual capacity OR as Proprietary Concern/Firm OR as Company OR Limited Liability Partnership Firm OR Registered Society & Registered Trust OR as Partner/Member of Partnership Firm/JV in which we were/are partners/members. Concealment/ wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.	No	No	Not Allowed



**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

9	I / We are aware of the fact that Firm/Company/Individual Owner/Proprietor etc. will be legally liable and accountable for all activities performed by the authorized signatories through the IREPS website. I/We keep the list and details of the authorized signatories updated at all times and remove the name of the authorized signatory immediately if he/she leaves the company. In case of failure to do so, the Firm/Company/Individual Owner/Proprietor will be held liable for actions of such signatory.	No	No	Not Allowed
10	I/We are fully aware that an individual / Proprietor / Partnership Firm / Company /LLP Firm/ JV /HUF/Registered Society & Registered Trust can upload only one offer either in my / our individual capacity or as a Proprietor or as a partner of partnership firm /LLP Firm/ JV / HUF / Registered Society & Registered Trust or as a Director of any Company etc. and in case more than one offer is received by Railways then such offers (including my/our offer) shall be considered as "Invalid".	No	No	Not Allowed
11	Until a formal agreement is prepared and executed, acceptance of this offer will constitute a binding contract between us subject to modifications as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.	No	No	Not Allowed
12	I/we also undertake to carry out the work in accordance with said plans, specifications and Conditions of Contract, and to find and provide such of the materials (other than those to be supplied by the Railway) for, and to do all such things which in the opinion of the Engineer may be necessary for, or incidental to the construction, completion and maintenance thereof and to complete the whole of the said works in all respects, and hand them over to you or your representative(s) within the period specified and to maintain the same for the period and the manner provided for in the conditions of contract.	No	No	Not Allowed
13	I/We also understand that my/our offer will be evaluated based on the documents/ credentials submitted along with the offer and same shall be binding upon me/us.	No	No	Not Allowed
14	I /We declare that the information and documents submitted along with the tender be me/us are correct and I/We are fully responsible for the correctness of the information and documents, submitted by us.	No	No	Not Allowed
15	I/We understand that if the certificates regarding eligibility criteria and any other information submitted by us are found to be forged/false or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender Bid Security besides banning of business for two year on entire Indian Railway. Further, I/We and all my/our constituents understand that my/our offer shall be summarily rejected.	No	No	Not Allowed
16	I/We also understand that if the certificates regarding eligibility criteria and any other information submitted by us are found to be false/forged or incorrect at any after the award of the contract, it will lead to termination of the contract, along with forfeiture of EMD/SD and Performance guarantee besides any other action provided in the contract including banning of business for two years on entire Indian Railway.	No	No	Not Allowed
17	I am / we are aware of the fact that this offer is made in the full understanding that my / our offer will be subjected to verification of all the information submitted with this offer.	No	No	Not Allowed

**Custom**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	PVC AS Per IRSGCC-2022 & ACS	No	No	Not Allowed
2	Maintenance Period - 12(Twelve) Months after issue of Provisional Acceptance Certificate (PAC)	No	No	Not Allowed

**SWR-CONST-UBL-S AND T/SOUTH WESTERN RLY  
TENDER DOCUMENT**

**Tender No:** HLV-BAHI-THKU-HPHI-EI-01

**Closing Date/Time:** 06/07/2026 15:00

3	For the Scope of Work mentioned in SCC Part-II of this tender, Tenderer need to mandatorily supply SAME RDSO Approved Vendor/OEM make for Electronic Interlocking, Datalogger/RTU, UFSBI, SSBPAC(D), HASSDAC, MSDAC, Electrical Lifting Barrier, Fire Detection and Alarm System, Fire Suppression System, whichever is applicable as per relevant Tender Schedule Items, for ease of maintenance by Open Line. Deviation from this clause is allowed only when there is any changes in RDSO Vendor Directory with respect to the firm under consideration for Supply of the above mentioned items.	No	No	Not Allowed
---	---	----	----	-------------

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	SpecialConditionsofContractSCC.pdf	Special Conditions of Contract
2	RegulationtoTenderers.pdf	Regulation to Tenderers
3	InclusionofVehicle.pdf	Provision of Vehicle
4	GCCAPRIL2022uptoACS10.pdf	IRSGCC APRIL 2022 UPTO ACS10
5	JPOforOFC-QC-CUT-DAMAGE.pdf	JPO for OFC QC CUT DAMAGE
6	RlyBdcomplianceGSTAct2017.pdf	Rly Bd compliance GST Act 2017
7	TechnicalforOFClaying.pdf	Technical for OFC laying
8	SIPYardPlans.pdf	Yard Plan
9	TelecomTechnicalSpecifications.pdf	Telecom Technical Specifications
10	IRSGCCAPRIL2022ACS-11.pdf	IRSGCC APRIL 2022 ACS 11
11	TechnicalSpecifications-1.pdf	Technical Specifications
12	RlyBdLetterforLocalContent.pdf	Rly Bd Letter for Local Content
13	OFCDrawingIndicatorRLYOFC.pdf	OFC Drawing Indicator RLY OFC
14	Splattentiontobidder.pdf	Spl attention to bidder
15	ProformaJune2026.pdf	Proforma 2026

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

**Signed By:** IRAPPA BIRUKALL

**Designation :** Dy.CSTE/CN/UBL