

**MYSORE DIVISION-S AND T/SOUTH WESTERN RLY
TENDER DOCUMENT**

Tender No: 07-SNT-MYS-2026-02

Closing Date/Time: 03/07/2026 15:00

Sr.DSTE/MYSORE acting for and on behalf of The President of India invites E-Tenders against Tender No **07-SNT-MYS-2026-02** Closing Date/Time 03/07/2026 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

Name of Work	Signal and Telecommunication work in connection with construction of RUB by NHAI for traffic LC-No.162 @ HLK Yard & Interlocked LC-No.20 @ CTA Yard. [Allocation:008445-21]		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	03/07/2026 15:00	Date Time Of Uploading Tender	10/06/2026 10:30
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	5779523.26	Tendering Section	TENDER
Bidding Style	[Decision at Schedule level]	Bidding Unit	
Earnest Money (Rs.)	115600.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	8 Months
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	19/06/2026		
Are JV allowed to bid	No	Number of JV Member Allowed	0
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Deposit Work

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () A-Schedule A [SOR Items]							2184936.09	Above/ Below/Par
01	Please see Item Breakup for details.				1207147.01	81.00	2184936.09	
	Description:- Schedule A [SOR-2011 Items]							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () B-Schedule B-SWR SOR Items [SUPPLY PORTION VETTED]							446581.00	Above/ Below/Par
01	Please see Item Breakup for details.				446581.00	AT Par	446581.00	
	Description:- Schedule B- SWR SOR Items [SUPPLY PORTION VETTED]							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () C-Schedule C SWR SOR Items[EXECUTION PORTION VETTED]							372455.00	Above/ Below/Par
01	Please see Item Breakup for details.				372455.00	AT Par	372455.00	
	Description:- Schedule C[EXECUTION PORTION VETTED]							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () D-Schedule D- SWR SOR [SUPPLY & INSTALLATION PORTION]							578600.00	Above/ Below/Par
01	Please see Item Breakup for details.				578600.00	AT Par	578600.00	

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Description:- Schedule D- SWR SOR Items[SUPPLY & INSTALLATION PORTION]								
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () E-Schedule E [NON SOR ITEMS]							2036938.45	
01	01	1.00	Numbers	700000.00	700000.00	AT Par	700000.00	Rs.
	Description:- Modification of existing interface and interlocking circuits as per the signaling plan for closer of LC							
02	02	1.00	Numbers	335000.00	335000.00	AT Par	335000.00	Rs.
	Description:- Modification to application logic software of VDU & MT as per approve signalling plan for closer of LC							
03	03	1.00	Numbers	290000.00	290000.00	AT Par	290000.00	Rs.
	Description:- Factory acceptance test and site acceptance test as per the modified logics as per approve signalling plan for closer of LCM							
04	04	1.00	Numbers	22780.95	22780.95	AT Par	22780.95	Rs.
	Description:- Commissioning of EI system as per approve signalling plan for closer of LC							
05	05	1.00	Lumpsum	102912.00	102912.00	AT Par	102912.00	Rs.
	Description:- Excavations of pit and concreting foundations for resting stand/meeting stand (approx 10nos) for sliding boom erection all required materials for foundation like, sand, cement,jelly and other misc materials are to be arranged by contractor							
06	06	1.00	Lumpsum	34292.50	34292.50	AT Par	34292.50	Rs.
	Description:- Fixing of sliding type mechanical boom make assembly movement drive mechsansim, resting stand meeting posts and fixing of E type locking plate to meeting post and in gate lodge, the includes complete erection and commisioning of slide booms, overhauling of E type locks, extenssion of slide booms, clearing of vegetation, painting of sliding booms and etc., required at site shall be done by the contractor as per railway supervisor incharge at site all the miscellaneous materials required for the work shall be borned by the contractor							
07	07	10.00	Numbers	879.00	8790.00	AT Par	8790.00	Rs.
	Description:- Supply of E type locks of different wards as per requirement with key per E - type lock to Drg.SA.3386/I/M/Latest RDSO Spec. No. IRS.S.30/64/Rev.0							
08	08	2.00	Numbers	12000.00	24000.00	AT Par	24000.00	Rs.
	Description:- CLAMP meter CEM DT-339 AC/DC Leakage current Clamp Meter or better							
09	09	1.00	Set	10000.00	10000.00	AT Par	10000.00	Rs.
	Description:- Installation and commissioning of road warning signal with ot civil works							
10	10	30.00	Numbers	767.00	23010.00	AT Par	23010.00	Rs.
	Description:- Supply of VF Transformer 470 : 600 Ohms Rack Mountable as per RDSO Specification IRS : TC-22/76 or latest.							
11	11	1220.00	Metre	25.00	30500.00	AT Par	30500.00	Rs.
	Description:- Supply of STP CAT-6 Cable							
12	12	35.00	Numbers	1100.00	38500.00	AT Par	38500.00	Rs.
	Description:- Excavation of joint pit/cable coil pit up to the size of 1m depth X 1.5m length X 1.5m breadth for providing joint/coil at joint locations and at culverts. bridges. L.C gates etc..this includes backfilling and ramming of the pit after the cable laying and consolidating of the soil as well as disposal of soil as per plan or as advised by the railway representative							
13	13	30.00	Numbers	607.50	18225.00	AT Par	18225.00	Rs.
	Description:- Testing of Quad Cable to find the location of LOW insulation/break fault including temporary jointing the cable for testing.							
14	14	2.00	Numbers	33984.00	67968.00	AT Par	67968.00	Rs.
	Description:- Handheld True RMS Insulation Resistance Tester with 6000 display counts combined feature of a digital multimeter . 20Gigaohm insulation tester @ 1kV,PI/DAR function, 600 V AC/DC, 99 sets data storage, CAT IV 600V Safety rating. Used for resistance testing of precise tools including motors, cables, transformers, switches, electrical appliances and insulated materials							
15	15	5.90	Metre	2000.00	11800.00	AT Par	11800.00	Rs.
	Description:- PVC Wire 16/0.2 mm YELLOW PVC INSULATED COPPER WIRE , ATC SPEC IRS/76/89 WITH LATEST AMENDMENT (CABLE SHALL BE SUPPLIED IN 100 MTRS BUNDLES)							
16	16	10.00	Numbers	8732.00	87320.00	AT Par	87320.00	Rs.
	Description:- Main LED Signal lighting unit 1 10V AC consisting of LED signal YELLOW aspect as per RDSO specification. No. RDSO/SPN/199/2010 REV.1 . I . with latest amendment for Integrated LED signal lighting unit compatible for housing in existing CLS main signal YELLOW aspect.							
17	17	10.00	Numbers	8732.00	87320.00	AT Par	87320.00	Rs.

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17	Description:- Main LED Signal lighting unit I 10V AC consisting of LED signal RED aspect as per RDSO specification. No.RDSO/SPN/ 199/20 10 REV.I . I . with latest amendment for Integrated LED signal lighting unit compatible for housing in existing CLS main signal RED aspect.							
18	18	10.00	Numbers	9912.00	99120.00	AT Par	99120.00	Rs.
	Description:- Main LED Signal lighting unit 110V AC consisting of LED signal GREEN aspect as per RDSO specification. No. RDSO/SPN/199/2010 REV.I . I . w r t. latest amendment for Integrated LED signal lighting unit compatible for housing in existing CLS main signal GREEN aspect.							
19	19	2.00	Numbers	12000.00	24000.00	AT Par	24000.00	Rs.
	Description:- Clamp meter CEM DT-339 AC/DC Leakage Current Clamp Meter ot better							
20	20	6.00	Numbers	1900.00	11400.00	AT Par	11400.00	Rs.
	Description:- Supply of Dominos and alteration of existing operating control cum indication panel.							
21	21	1.00	Set	10000.00	10000.00	AT Par	10000.00	Rs.
	Description:- Installation and commissioning of road warning signal with out civil works							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () F-Schedule F [RCIL PORTION]							160012.72	
01	01	4.00	Numbers	5049.22	20196.88	AT Par	20196.88	Rs.
	Description:- Casting of circular FRP chamber bottom plate and top covers (1:2:4 concrete mix) with reinforcements							
02	02	4.00	Numbers	885.00	3540.00	AT Par	3540.00	Rs.
	Description:- Providing dry sand in FRP/RCC joint chambers up to 400mm height							
03	03	4000.00	Metre	17.70	70800.00	AT Par	70800.00	Rs.
	Description:- Laying of OFC/QUAD cable in trench and through HDPE/GI/RCC pipes where ever necessary							
04	04	2000.00	Metre	14.16	28320.00	AT Par	28320.00	Rs.
	Description:- Laying of HDPE Duct in trenches supply and pulling of nylon rope through it							
05	05	4.00	Numbers	9288.96	37155.84	AT Par	37155.84	Rs.
	Description:- Splicing and termination of Fiber OFC (Splice enclose supplied by Railtel)							

3. ITEM BREAKUP

Schedule	Schedule A-Schedule A [SOR Items]					
Item- 01	Schedule A [SOR-2011 Items]					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	011010	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 schedule.	Metre	2000.00	34.65	69300.00
2	011040	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 schedule. [Cement, river sand and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Metre	50.00	169.95	8497.50

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3	011060	Excavation of trench to a depth of 1 Mtr. for track crossing of cables, laying of DWC/ 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 schedule.(Supply of DWC/RCC pipes with couplers/ collars is not included in this schedule).	Metre	20.00	208.35	4167.00
4	011070	Excavation of trench to a depth of 1 Mtr. for road crossing of cables, laying of DWC/ 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 schedule.(Supply of DWC/RCC pipes with couplers/ collars is not included in this schedule).	Metre	20.00	270.83	5416.60
5	011080	Provision of GI pipes (50/100mm 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 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 schedule.)[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	12.00	181.95	2183.40
6	011090	Provision of GI pipes-(50/100mm 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 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 schedule.[MS angles, flats, bolts and nuts for manufacturing fixing clamps, bricks, river sand , cement and all other miscellaneous required for the work shall be supplied by the Contractor].	Metre	42.00	215.25	9040.50
7	011100	Provision of GI pipes (50/100mm 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 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 schedule.[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	42.00	168.08	7059.36
8	011110	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 schedule).	Metre	13000.00	9.83	127790.00

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9	011150	Refilling of cable trench 1m depth by 0.3m width throughout, with earth after laying of cables, and consolidating the trench by ramming and leveling.	Metre	2000.00	8.33	16660.00
10	011180	Supply of RCC cable markers as per drawing No.CSTE/CN/OFC/1. The lettering on the cable marker shall be "SIG" / "TELE" / "OFC" as per the instructions of Railway representative at site.	Numbers	100.00	166.29	16629.00
11	011190	Digging of pit to a depth of 800mm of size 300mmX300mm, casting of concrete foundation of size 300mmX300mmX300mm 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	100.00	121.43	12143.00
12	011200	Excavation of cable coil pit to a size of 1.5mx1.5m and depth as instructed 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 leveling.[Country bricks of size 220mmx100mmx60mm (app) shall be supplied by the Contractor].	cum	10.00	513.00	5130.00
13	011210	Supply of Double walled corrugated pipe - 103.5mm inner dia & 120mm outer dia conforming to specification No. IS 14930(Part 2): 2001 with one coupler for every 6m of pipe as specified in Vol.II of the Tender document.	Metre	240.00	263.20	63168.00
14	011220	Supply of GI pipes - 50mm dia -3.65mm thick as specified in Vol.II of the Tender document.	Metre	36.00	343.20	12355.20
15	011250	Excavation of pit, casting concrete foundation and erection of apparatus case full size as per Drg. No.SG/CN/02/6 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.(Supply of apparatus case is not included in this schedule).[Foundation bolts & nuts, 'E' type locks, cement, river sand, stone jelly of size 20/25 mm, 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	2.00	9875.30	19750.60

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16	011260	Excavation of pit, casting concrete foundation and erection of apparatus case half size as per Drg, No.SG/CN/02/7, 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 schedule).[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	2.00	6966.60	13933.20
17	011320	Excavation of pit in and around the existing location boxes very carefully without damaging the working cables and shifting and turning the location boxes 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]. a. Shifting of apparatus case (full)	Numbers	2.00	2895.00	5790.00
18	011330	Excavation of pit in and around the existing location boxes very carefully without damaging the working cables and shifting and turning the location boxes 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]. b. Shifting of apparatus case (half)	Numbers	2.00	1916.25	3832.50
19	011340	Excavation of pit in and around the existing location boxes very carefully without damaging the working cables and shifting and turning the location boxes 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]. c. Shifting of apparatus case (Quarter)	Numbers	2.00	1583.25	3166.50

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20	011350	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 are 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, river sand and all other required miscellaneous materials shall be supplied by the contractor].	Numbers	700.00	39.78	27846.00
21	011360	Termination of main, tail, Signaling and power cables and internal wiring on terminal/ 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 Phynolic synthetic industrial fibre base fine weave cotton fibre 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 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 river 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 schedule). [Cement, teakwood cable clamp 50mm x 50mm, base planks 100mm x 25mm, Phynolic synthetic industrial fibre base fine weave cotton fibre 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 PVC3/0.75mm copper and other miscellaneous materials shall be supplied by the Contractor]. a. Termination on 25/60mm PBT terminals (new location) (Phynolic sheet)	Numbers	100.00	93.16	9316.00

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22	011370	Termination of main, tail, Signaling and power cables and internal wiring on terminal/ 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 Phynolic synthetic industrial fibre base fine weave cotton fibre 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 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 river 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 schedule). [Cement, teakwood cable clamp 50mm x 50mm, base planks 100mm x 25mm, Phynolic synthetic industrial fibre base fine weave cotton fibre 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 PVC3/0.75mm copper and other miscellaneous materials shall be supplied by the Contractor]. a. Termination on 25/60mm PBT terminals (new location) (Phynolic sheet) b. Termination on PBT fuse block (new location) (Phynolic sheet)	Numbers	20.00	113.56	2271.20
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23	011380	Termination of main, tail, Signaling and power cables and internal wiring by fixing additional terminals/ 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 river 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 schedule). [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, river sand, wire PVC3/0.75mm copper and other miscellaneous materials shall be supplied by the Contractor]. a. Termination of cables on 25/60mm PBT terminals (existing location)	Numbers	20.00	81.68	1633.60
24	011390	Termination of main, tail, Signaling and power cables and internal wiring by fixing additional terminals/ 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 river 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 schedule). [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, river sand, wire PVC3/0.75mm copper and other miscellaneous materials shall be supplied by the Contractor]. b. Termination of cables on PBT fuse block (existing location)	Numbers	20.00	102.08	2041.60

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25	011420	Manufacture and supply of M.S. relay frames of suitable size to hold up to 4/ 8/ 12/ 20 relays 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 Phynolic 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 and retaining clips is not covered in this schedule). [Wire PVC copper, 3/0.75mm and 16/0.2mm copper, Phynolic 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]. c. Wiring of Signal/ Point/ LC control circuit (up to 12 relays)	Set	1.00	6137.85	6137.85
26	011480	. Alterations to painted termination/ wiring particulars of functions in the existing apparatus cases, 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]. a. Alteration to painting particulars (apparatus case - Full size)	Numbers	55.00	884.85	48666.75
27	011490	Alterations to painted termination/ wiring particulars of functions in the existing apparatus cases, 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]. b. Alteration to painting particulars (apparatus case - half size)	Numbers	20.00	464.10	9282.00
28	011500	Alterations to painted termination/ wiring particulars of functions in the existing apparatus cases, 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]. c. Alteration to painting particulars (apparatus case-quarter size/ CT box)	Numbers	10.00	337.45	3374.50

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29	011520	Excavation of pit, casting concrete foundation as per Drg.No.SG/CN/02/9 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	5.00	5008.20	25041.00
30	011530	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, 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.(Supply of surface base, Offset bracket, CLS pole, CLS aspects complete, ladder with shoes and platform, LED aspects, current regulators, lamp holders, lamps, filament switching unit and CLS transformer is not covered in this schedule).['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	3.00	5501.20	16503.60
31	011690	Removal of existing CLS units, fixing of new CLS units with LED aspects/ lamps, holders etc., up to four aspects, directly or using off set brackets duly drilling holes on the signal poles, provision of EWS locks wherever necessary, termination of tail cables and wiring using wire PVC3/0.75mm copper and painting of aspect. The new tail cables shall be taken through the signal poles and the unwanted cables duly released.(Supply of CLS unit with LED aspects/ lamps holders, CLS transformers is not included in this schedule.) [EWS locks, Wire PVC 3/0.75mm copper lenses guard, wire netting arrangements, paints and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	1.00	5999.25	5999.25

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32	011770	Provision of earth electrodes as per drawing No.SG/SN/02/13 and earthing of metallic sheath and armour of all cables in all apparatus cases, relay room, equipment room, SM's room for block and control, and earthing of all equipments in apparatus cases, power room, relay rack, cable termination rack, control panel, signals, lever frames with MS flat 35mm X 6mm/19c cable (MS flat for closure 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	20.00	1799.00	35980.00
33	011780	Supply and provision of earth electrodes as per RDSO specification No.RDSO/SPN/TC/75/2008 with copper base of size 1000mm X 1000 X 3mm, for sophisticated signaling equipments. The work involves digging of pit to a depth of 2.5m and placing of the copper plate and connecting it to the signaling equipments through copper strips 25mm X 3mm (2 No's) by welding and taking it through to the wall of the equipment room where it shall be connected to a copper bus bar fixed on the wall. The work also involves providing a perforated up to 2m HDPE pipe 75mm OD - 4mm thick, 2600mm long vertically at the centre of the copper plate which shall be used for watering. The work also involves back filling the pit by a mixture of app 200kg of charcoal/ graphite and soil free from sand, gravel and stone in the ratio of 6:1. The pit shall be covered using an RCC slab 100mm thick supported by an MS angle 50mmx50mmx3mm and MS rods 6mm dia. The HDPE pipe shall be covered using concrete enclosure with GI cover and handle. [Copper earth plate, copper strips, HDPE pipe, charcoal, RCC slabs, MS angles and rods, and all other miscellaneous materialsrequired for the work shall be supplied by the Contractor].	Numbers	4.00	31118.00	124472.00
34	011820	Supply of Colour light Signal pole 140mm dia, 4.6m/ 3.6m tall with necessary inspection as per specification/ drawing/ description enclosed in this document. b. Supply of colour light Signal pole (3.6m)	Numbers	3.00	2974.00	8922.00
35	011830	Supply of surface base to suit CLS Signal pole 140mm dia with necessary inspection as per specification/ drawing/ description enclosed in this document.	Numbers	5.00	4118.00	20590.00
36	011850	Supply of ladder with platform and shoes to suit CLS pole 4.6m/ 3.6m tall, with necessary inspection as per specification/ drawing/ description enclosed in this document. b. Supply of ladder with platform and shoes for 3.6m CLS pole	Numbers	5.00	3089.00	15445.00
37	011900	Supply of Colour Light Signal Multi Unit type - complete for 4/ 3/ 2 aspect with mounting socket, with necessary inspection as per specification/ drawing/ description enclosed in this document. c. Supply of colour light Signal unit - 2 aspect	Numbers	3.00	8580.00	25740.00

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38	012050	Supply of PBT terminals 25mm/ 60mm centre and PBT Fuse blocks with necessary inspection as per specification/ drawing/ description enclosed in this document. a. Supply of PBT terminal - 25mm centre	Numbers	1000.00	44.00	44000.00
39	012060	Supply of PBT terminals 25mm/ 60mm centre and PBT Fuse blocks with necessary inspection as per specification/ drawing/ description enclosed in this document. b. Supply of PBT terminal - 60mm centre	Numbers	200.00	60.00	12000.00
40	012130	Supply of apparatus cases (full/ half/ quarter size) to suit Southern Railway standard with necessary inspection as per specification/ drawing/ description enclosed in this document: a. Supply of apparatus case - Full size	Numbers	2.00	12012.00	24024.00
41	012140	Supply of apparatus cases (full/ half/ quarter size) to suit Southern Railway standard with necessary inspection as per specification/ drawing/ description enclosed in this document: a. Supply of apparatus case - Full size b. Supply of apparatus case - Half size	Numbers	2.00	8580.00	17160.00
42	012210	Supply of Electric key transmitter - rotary type of required ward Nos. with keys, with necessary inspection as per specification/ drawing/ description enclosed in this document.	Numbers	3.00	4279.00	12837.00
43	013080	Fixing of additional plug boards, 50 ways terminal blocks and wiring of additional relays as per the approved circuit diagram using wire PVC 16/0.2mm copper. Additional wire supporting tray with cover made of PVC shall be provided wherever required. Alterations to Relay particulars shall be incorporated in the relay Index board.(Supply of relays, plug boards, connectors and retaining clips and 50 way terminal boards is not covered in this schedule).[Wire PVC 16/0.2mm copper, 2 BA terminals, teakwood plank 25mm thick for fixing resistors and condensers, soldering materials, bunching thread, wire wound resistance, condenser, wire supporting tray with cover of suitable size made of PVC, paint, varnish and all other miscellaneous materials required for the work shall be supplied by the Contractor	Per Relay	2.00	392.70	785.40
44	013090	Carrying out alterations to the existing relays in the relay racks/apparatus cases as per the approved circuit diagram using wire PVC 16/0.2mm copper. The work includes releasing the unwanted wires carefully without disturbing the existing wiring.[Wire PVC 16/0.2mm copper, soldering materials, bunching threads, condensers, resistances and teakwood plank for fixing them and all other miscellaneous materials required for the work shall be supplied by the Contractor].	Per Relay	35.00	376.04	13161.40
45	014020	Installation of illuminated Diagram Board above the SM's control Instrument at Level Crossing gates, wiring the same including interconnections and painting. (Supply of Illuminated Diagram board is not included in this schedule). [Wire PVC 16/0.2mm copper, soldering materials, LEDs, resistances and all other required miscellaneous materials shall be supplied by the Contractor.].	Numbers	1.00	3437.40	3437.40

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46	014030	Excavation of pit, concreting 'A' type foundation and fixing ground lever frames single/double as per Drg.No.SG/CN/02/11 complete with ground connection. The work includes concreting of 'A' type foundations and fixing of HP lock and connecting the ground lever frame with the HP lock using MS rod as instructed by Railway representative at site. (Supply of ground lever frames, hand plunger locks and 'A' type foundations is not covered in this schedule). [Cement, river sand, stone jelly of size 20/25mm, fixing bolts and nuts with washers and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	2.00	4531.35	9062.70
47	014050	Interlocking of level crossing gate with Lifting Barrier: This work consists cutting of notches on the drum of the winch, , fixing and levelling of trestles, rod roller assembly, levelling and concreting of 'A' type foundations, fixing of rod diversion cranks, vertical cranks, running of rods (app. 30mtrs.) and connecting them to lever tail at one end and boom locking arrangement at the other end, and painting as per standard practice. The work also includes fixing of wiring of one limit switch for each boom as per the instructions of Railway representative at site. (Supply of HP locks, rods, 'A' type foundations, trestles, segments, rod roller assembly complete and cranks is not covered in this schedule). [cement, river sand, stone jelly of size 20/25mm dia, coal bengal, paints, all types of bolts & nuts and all other miscellaneous materials shall be supplied by the Contractor].	Numbers	2.00	12370.05	24740.10
48	014080	Fixing and wiring of Two Nos. of Electronic Gate Warning equipment for each level crossing gate, one on each road warning signal, amplifier in the apparatus case with wire PVC 3/0.75mm and 16/0.2mm copper, and painting. (Electronic Gate Warning Equipment and amplifier will be supplied by Railways). [All wiring, fixing and painting materials shall be supplied by Contractor].	Set	3.00	2427.75	7283.25
49	014090	Design, fabrication and supply of Gate Indication Panel of 16 SWG, powder coated MS sheet of size 450mm x 300mm x 100mm approximately consisting of different colour LEDs with holders suitable to work on 24VDC supply. Indications on the front panel shall be as per typical diagram supplied by Railways. All descriptions on the front panel have to be neatly painted. The Panel shall then be wired using wire PVC 16/0.2mm copper as per the approved circuit diagram and installed in the gate lodge as instructed by Railway representative at site. [All materials required for the work shall be supplied by the Contractor].	Numbers	1.00	7843.50	7843.50

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50	014300	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 schedule). [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	5.00	2943.75	14718.75
51	014460	Submission of all relevent final 'Asmades' of circuit diagrams, contact analysis charts, 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 made' shall be prepared by the Contractor in AUTOCAD 2000 or latest and submitted in CDs. One copy of the 'As made' check print shall negatives shall be made in tracing sheet (80 to 90 gsm). All 'As made' 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 Railways. On approval 8 copies shall be made for Asmade Circuit diagrams also as mentioned above. (The Rate is for per Sheet)	Sheet	50.00	206.55	10327.50
52	014540	Supply and provision of E type lock with key for fixing the same in LC/HP/FP Locks/SM slides and painting as per standard practice and instructions of Railway representative at site. (Supply of E type Locks, Keys, Paints, all types of screws, bolts & Nuts and all other miscellaneous materials shall be supplied by the Contractor).	Numbers	5.00	1266.00	6330.00
53	015070	Releasing of existing apparatus cases (Full/ Half/ Quarter size) without damage after releasing the shelf planks, Terminal blocks, Fuse Blocks, Terminal Boards, Relays of all types EKTs, Secondary Cells, power equipments, '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	8.00	1625.25	13002.00

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54	015100	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. 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. 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. Dismantling and releasing of existing Colour light Signals complete (upto 4 aspects) with or without Route Indicators, calling on signals, shunt sign	Numbers	9.00	1666.50	14998.50
55	015120	Dismantling and releasing of ground lever frame along with all connected gadgets like lever locks, 'E' type locks, HP locks, etc., accounting and stacking them neatly at a place as instructed by Railway representative at site. The work also involves breaking and removal of concrete foundation and the resultant pit shall be filled and consolidated by ramming and levelling.	Set	2.00	3000.00	6000.00
56	015150	Releasing of point rods with rod roller trestles, complete assembly. This includes releasing of all cranks, compensators and 'A' type concrete foundation on the rod run. The resultant pits are to be covered with earth and consolidated by ramming and levelling. a. Releasing of tressles 1/2 way	Numbers	40.00	46.65	1866.00
57	015160	Releasing of point rods with rod roller trestles, complete assembly. This includes releasing of all cranks, compensators and 'A' type concrete foundation on the rod run. The resultant pits are to be covered with earth and consolidated by ramming and levelling. b. Releasing of tressles 3/4 way	Numbers	40.00	63.30	2532.00
58	015170	Releasing of point rods with rod roller trestles, complete assembly. This includes releasing of all cranks, compensators and 'A' type concrete foundation on the rod run. The resultant pits are to be covered with earth and consolidated by ramming and levelling. c. Releasing of point roddings (The rate is for per Rod/Metre)	Metre	120.00	7.95	954.00
59	015180	Releasing of point rods with rod roller trestles, complete assembly. This includes releasing of all cranks, compensators and 'A' type concrete foundation on the rod run. The resultant pits are to be covered with earth and consolidated by ramming and levelling. d. Releasing of 'A' type foundations	Numbers	4.00	341.70	1366.80

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60	015190	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, etc and concerned wiring, accounting and stacking 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	5166.00	10332.00
61	015240	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. a. Transportation upto 100 Kms.	MT-Km	4500.00	12.30	55350.00
62	015250	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. b. Transportation more than 100 Kms.	MT-Km	13000.00	7.52	97760.00
					Total	1207147.01
Schedule	Schedule B-Schedule B-SWR SOR Items [SUPPLY PORTION VETTED]					
Item- 01	Schedule B- SWR SOR Items [SUPPLY PORTION VETTED]					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	011060	High Density Polyethylene Pipes (HDPE) of 110 mm Outer Dia, 10 mm Wall Thickness, along with one coupler for every 6 Meters as per specification No. IS 4984: 2016 with latest amendments and Material Grade:PE 80.	Metre	60.00	675.00	40500.00
2	011280	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 (upto Amdt.2) or latest	Kilometre	2.00	89106.00	178212.00
3	011290	Telecom Termination panel with WAGO/Pheonix/Elmex make or similar disconnecting Terminals blocks of size 1500mm 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	2.00	45842.00	91684.00
4	011320	Supply of Joint kit conforming to RDSO specifaicon No.IRS-TC 77/2006 Revision1 or latest for quad cable.	Numbers	35.00	3891.00	136185.00
					Total	446581.00
Schedule	Schedule C-Schedule C SWR SOR Items[EXECUTION PORTION VETTED]					
Item- 01	Schedule C[EXECUTION PORTION VETTED]					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	021030	Track crossing by Horizontal Boring Method based on RDSO Report No. BS - 105. This also includes insertion of HDPE Pipe of 110mm Outer dia in the Bore drilled.(Supply of HDPE Pipe is not included).	Metre	20.00	2264.00	45280.00

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2	021040	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 Hylem 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 upto 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 schedule). [All bolts and nuts with washers, Hylum 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 the contractor]a. Termination on 25/60mm PBT terminals {Per Unit-Per Terminal}	Per Unit	300.00	144.00	43200.00
3	021080	Concreting of cable laid in the trench or GI pipe/DWC/HDPE pipe in which cable is already laid to a size of 300*300mm with 1:3:6 mortar. (All the matetials required for the work should be supplied by the contractor){Per Unit- RMT}	Per Unit	140.00	495.00	69300.00
4	021230	Fixing of 'Telecom Termination Panel' and termination of cables on Wago/krone connectors as per the instructions of the site Engineer.	Numbers	2.00	5110.00	10220.00
5	021260	Provision of normal joint of Heat Shrinkable type complete for 6 quad cable. 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 specificalton No.IRS-TC 77/2006 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	35.00	3553.00	124355.00
6	021280	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, accomodation, food, consumables etc., with all ascents, descents, taxes, octroi, cess, fees, duties with contractors cost etc., as per special conditions/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."	Day	60.00	588.00	35280.00

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7	021300	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, accomodation, food, consumables etc., with all ascents/descents, taxes, octroi, cess, fees, 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	90.00	498.00	44820.00
Total					372455.00	
Schedule Schedule D-Schedule D- SWR SOR [SUPPLY & INSTALLATION PORTION]						
Item- 01 Schedule D- SWR SOR Items[SUPPLY & INSTALLATION PORTION]						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	031110	"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 specification RDSO/SPN/204/2011 or latest" {Per Unit-RMT}	Per Unit	2000.00	284.00	568000.00
2	031150	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	200.00	53.00	10600.00
Total						578600.00

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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. The tenderer shall submit requisite information as per Annexure-VIB of GCC, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from hartered Accountant duly supported by Audited Balance Sheet.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	a. The tenderer must have successfully completed any of the following during last 07 [seven] years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or One similar work each costing not less than the amount equal to 60% of advertised value of the tender.	No	No	Allowed (Mandatory)

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1.1	Signal and Telecommunication: - Similar single work means carrying out "Execution of any Indoor or Outdoor signaling work (PI/RR/I/El/Automatic block signaling/IBS/IBH/BPAC/LC gate interlocking)".	No	No	Allowed (Mandatory)
1.1.1	NOTE:- 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)

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.
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	Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. 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. (Click here to download the Format of Self Certification)

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Submit your bank details i.e. Name of the Bank along with Bank Branch Code, Account Number, IFSC Code, and PAN Number.	No	No	Allowed (Mandatory)

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2	As per Correction slip "The tenderers shall submit a copy of certificate stating that all their statements/documents submitted along with bid are true and factual. Standard format of certificate to be submitted by the bidder is enclosed as Annexure-V. In addition to Annexure-V, in case of other than Company/Proprietor firm. Annexure -V(A) shall also be submitted by the each member of a Partnership Firm / Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc., as the case may be. Non submission of above certificate(s) by the bidder shall result in summarily rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested/digitally signed by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document. [Format available in correction slip]	No	No	Allowed (Mandatory)
3	In case the Tenderer is a Partnership Firm: [i] A notarized copy Partnership deed. [ii] A notarized or registered Power of Attorney (duly registered as per prevailing law) in favour of an individual to sign the tender documents and create liability against the Firm. [iii] PAN / TAN number of Partnership firm (PAN / TAN number in the name of any of the constituent partners shall not be considered).	No	No	Allowed (Mandatory)
4	In case the Tender is a HUF: (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 and (iii) All other documents in terms of explanatory notes in clause 10 of IRGCC April 2022.	No	No	Allowed (Mandatory)
5	In case the Tender is a Sole Proprietorship Firm: (i) All other documents in terms of explanatory notes in clause 10 of IRGCC April 2022.	No	No	Allowed (Mandatory)
6	In case the Tenderer is a Company registered under Companies Act-2013: (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. and (iv) Copy of PAN number of the Company	No	No	Allowed (Mandatory)
7	In case the Tenderer is a LLP Firm registered under LLP Act-2008 (i) a copy of LLP Agreement, (ii) a copy of Certificate of Incorporation. (iii) a copy of Power of Attorney/Authorisation issued by the LLP Firm in favour of the individual to sign the tender on behalf of the LLP Firm and create liability against the Firm. and (iv) copy of PAN number of the LLP Firm.	No	No	Allowed (Mandatory)
8	In case the Tenderer is a Registered Society & Registered Trust: (i) A copy of the Certificate of Registration. (ii) Deed of Formation. (iii) A copy of Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust. (iv) copy of PAN number of the Society/Trust	No	No	Allowed (Mandatory)
9	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)

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	If the mandatory documents asked for in the E-Tender Document are not submitted along with the tender, the tender submitted otherwise will be treated as incomplete and will not be considered.	No	No	Not Allowed

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2	The quantities shown in above Schedule are approximate and are as a guide to give the tenderer(s) an idea of quantum of work involved. The Railway reserves the right to increase/decrease and/or delete or include any of the quantities given above and no extra rate will be allowed on this account.	No	No	Not Allowed
3	All rates quoted in the tender shall be deemed to be inclusive of all Taxes royalties payable by the contractor s to the Government or public body or local authority and no additional amount will be paid or claim entertained on this account by the Railway.	No	No	Not Allowed
4	It is responsibility of the tenderer that they ensure to see any Corrigendum of the tender to check the corrigendum on the website from time to time.	No	No	Not Allowed
5	The works are required to be completed within a period of 6 months as mentioned.	No	No	Not Allowed
6	The Tenderer(s) shall keep the offer open for a minimum period of 60 days from the date of opening of the Tender. It is understood that the tender documents have been sold/issued to the Tenderer(s) and the Tenderer(s), is / are permitted to tender in consideration of the stipulation on his / their part that after submitting his / their tender subject to the period being extended further, if required by mutual agreement from time to time, he will not resale from his offer or modify the terms and conditions thereof in a manner not acceptable to the DRM/S&T/Divisional Engineer of SW Railway, Should the tenderer fail to observe or comply with the foregoing stipulation, the amount deposited as Earnest Money for the due performance of the above.	No	No	Not Allowed
7	If the tender is accepted, the amount of Earnest Money will be retained and adjusted as Security Deposit for the due and faithful fulfillment of the contract. This amount of Security Deposit shall be forfeited, if the Tenderer(s)/Contractor(s) fail to execute the Agreement Bond within 7 days after receipt of notice issued by Railway that such documents are ready or to commence the work within 15 days after receipt of the order.	No	No	Not Allowed
8	Rights of the Railway to Deal with Tender: The authority for the acceptance of the tender will rest with the Railway. It shall not be obligatory on the said authority to accept the lowest tender or any other tender and no Tenderer's(s) shall demand neither any explanation for the cause of rejection of his /their tender nor the Railway to assign reasons for declining to consider or	No	No	Not Allowed
9	If the tenderer(s) expires after the submission of his / their tender or after the acceptance of his their tender, the Railway shall deem such tender cancelled. If a partner of a firm expires after the submission of their tender or after the acceptance of their tender, the Railway shall deem such tender as cancelled, unless the firm retains its character	No	No	Not Allowed
10	No post tender correspondence will be permitted, and the tender shall be decided based on the documents uploaded with the offer only.	No	No	Not Allowed
11	The Tenderer's shall not add any conditions on their own in the tender documents while submitting their offer. Any such conditions if stated and if tender conditions are in violation of the Railway s, may lead to summary rejection of the offer. Railway reserves the right to reject such tenders summarily without assigning any reasons whatsoever.	No	No	Not Allowed
12	The responsibility of uploading the correct documents lies with the Tenderer's. In case, the documents uploaded are found manipulated/forged, the offers of such Tenderer's will not be considered and such Tenderer's are liable to be debarred to participate for future works duly forfeiting their Earnest Money and the tenderer/contractor shall have no claims whatsoever in this regard. Railway reserves the right to determine/rescind the contract entered into in case of such false certificates/documents at any stage of the contract treating it as default of the contractor.	No	No	Not Allowed

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13	Tender Opening will be done any time after the tender closing time. Tenderers are not required to be present during the opening. Railway reserves right to open the tender any time after the time of closing of tender.	No	No	Not Allowed
14	Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all-inclusive to accord with the provisions in Clause-37 of the Standard General Conditions of Contract for the completion.	No	No	Not Allowed
15	Railways, being principal employer are required to ensure that the contractors are complying with the provisions of the contract labour (R&A) Act, 1970 and Minimum wages Act, 1948 strictly and arranging prescribed minimum wages to the contractor labourers vide Railway Board letter No. 2016/E(LL)/AT/MW/1Dt. 05.06.2017.	No	No	Not Allowed
16	The Tenderer(s) shall quote his / their rates as a percentage above or below the Schedule of Rates of South Western Railway as applicable to Mysore Division except where he/they are required to quote item rates and must tender for all the items shown in the Schedule of approximate quantities attached. The quantities shown in the attached Schedule are given as a guide and are approximate only and are subject to variation according to the needs of the Railway. The Railway does not guarantee work under each item of the Schedule.	No	No	Not Allowed
17	Tender cost is not transferable and the amount once paid is non-refundable.	No	No	Not Allowed

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
2	I/We have read the various conditions to tender attached hereto and agree to abide by the said conditions. I/We also agree to keep this tender open for acceptance for a period of 60 days from the date fixed for opening the same and in default thereof, I/We will be liable for forfeiture of my/our Earnest Money. I/We offer to do the work for Railway Electrification, at the rates quoted in the attached schedule and hereby bind myself/ourselves to complete the work in all respects within stipulated time period.	No	No	Not Allowed
3	I/We also hereby agree to abide by the Indian Railways Standard General Conditions of Contract, with all correction slips up-to-date and to carry out the work according to the Special Conditions of Contract and Specifications of materials and works as laid down by Railway in the annexed Special Conditions/Specifications, Schedule of Rates with all correction slips up-to-date for the present contract.	No	No	Not Allowed
4	I/We hereby confirm that the rates, rebates and/or other financial terms, if any, quoted by us in the relevant fields of the Financial Bid page will only be the ruling terms for deciding the inter-se ranking, and any such condition having financial repercussions, if quoted by us anywhere else including attached documents shall not be considered for deciding inter-se ranking. However, Railways shall have the right to incorporate any such condition quoted by us, in the contract, at their discretion, if contract is placed on us.	No	No	Not Allowed
5	The amount as stipulated in tender document is herewith forwarded as Earnest Money. Full value of the earnest Money shall stand forfeited without prejudice to any other right or remedies in case my/our Tender is accepted and if:	No	No	Not Allowed
5.1	I/We do not submit the Performance Guarantee within the time specified in the Tender document;	No	No	Not Allowed

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5.2	I/We do not execute the contract documents within seven days after receipt of notice issued by the Railway that such documents are ready; and	No	No	Not Allowed
5.3	I/We do not commence the work within fifteen days after receipt of orders to that effect.	No	No	Not Allowed
6	Until a formal agreement is prepared and executed, acceptance of this tender shall 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
7	I/We are a 100% Govt. owned PSUs and hence exempted from payment of Earnest Money.	No	No	Not Allowed
8	I/We are a labour cooperative society and out registration No. is _____ With _____ and hence required to deposit only 50% earnest Money.	No	No	Not Allowed
9	I/We am/are a startup firm registered by _____ Department of Industrial Policy and Promotion [DIPP] and my registration number is _____ valid up to [Copy enclosed] and hence exempted from submission of earnest money.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	GCC-APRIL_2022.pdf	GCC APRIL 2022
2	ConservancyCharges_dt07092021.pdf	Conservancy Charges
3	LETTERTOZONESclarificationNDKR1_RDKR1CKT15.07.2025.pdf	Wiring of NDKRI and RDKRI of Relay
4	TecnicalSpecn_LC162HLKYard.pdf	Technical specification LC 162 HLK
5	TecnicalSpecification_LC20F.pdf	Technical specification LC 20 CTA
6	Chapter_4B_TecnicalGuidelines1.pdf	Tecnical Guidelines
7	lessthan10crores1.pdf	Local content
8	PerformDetails.pdf	Proform details
9	InspectionofSafety-CriticalSignallingItemsbyRDSOdt260925.pdf	Safety Items
10	AdvancedCorrectionslip1to11.pdf	Advanced Correction Slips 1 to 11
11	TenderBook_LC162LC20.pdf	Tender Book LC162 LC20

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: K R GOPINATH

Designation : Sr.DSTEMysore