

**MUMBAI-CST-DIVISION-S AND T/CENTRAL RLY
TENDER DOCUMENT**

Tender No: CR-BB-SnT-SOUTH-2024-02

Closing Date/Time: 26/08/2024 15:00

Sr.DSTE/Co acting for and on behalf of The President of India invites E-Tenders against Tender No **CR-BB-SnT-SOUTH-2024-02** Closing Date/Time 26/08/2024 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	Signalling work in connection with Engineering deposit works at various stations in Mumbai Division.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	26/08/2024 15:00	Date Time Of Uploading Tender	26/07/2024 17:59
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	10732625.16	Tendering Section	SOUTH
Bidding Style	[Decision at Schedule level]	Bidding Unit	
Earnest Money (Rs.)	203700.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	12 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	12/08/2024	Are Joint Venture (JV) firms allowed to bid	No
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 A1-SOR ITEMS							665333.85	Above/ Below/Par
01	Please see Item Breakup for details.				594048.08	12.00	665333.85	
	Description:- SUPPLY & EXECUTION							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A2-SOR ITEMS							457376.29	Above/ Below/Par
01	Please see Item Breakup for details.				408371.69	12.00	457376.29	
	Description:- Supply Items							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A3-SOR ITEM							337450.31	Above/ Below/Par
01	Please see Item Breakup for details.				337450.31	AT Par	337450.31	
	Description:- SUPPLY & EXECUTION							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A4-SOR ITEM							123324.08	Above/ Below/Par
01	Please see Item Breakup for details.				123324.08	AT Par	123324.08	
	Description:- SUPPLY & EXECUTION							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A5-SOR ITEM							88464.31	Above/ Below/Par
01	Please see Item Breakup for details.				88464.31	AT Par	88464.31	
	Description:- SUPPLY & EXECUTION							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit

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Schedule A6-SOR ITEM							1038452.86	Above/ Below/Par
01	Please see Item Breakup for details.			880044.80	18.00	1038452.86		
	Description:- SUPPLY							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B1-NON SOR ITEMS							143159.30	Above/ Below/Par
01	Please see Item Breakup for details.			143159.30	AT Par	143159.30		
	Description:- Supply & Execution							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B2-SOR ITEMS							806925.24	Above/ Below/Par
01	Please see Item Breakup for details.			720468.96	12.00	806925.24		
	Description:- Execution							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B3-NON SOR ITEM							508210.86	Above/ Below/Par
01	Please see Item Breakup for details.			508210.86	AT Par	508210.86		
	Description:- Supply & execution							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B4-NON SOR ITEM							190917.00	Above/ Below/Par
01	Please see Item Breakup for details.			190917.00	AT Par	190917.00		
	Description:- Supply & execution							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B5-NON SOR ITEM							134682.50	Above/ Below/Par
01	Please see Item Breakup for details.			134682.50	AT Par	134682.50		
	Description:- Supply & execution							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B6-SOR ITEM							1559368.63	Above/ Below/Par
01	Please see Item Breakup for details.			1321498.84	18.00	1559368.63		
	Description:- EXECUTION							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule C2-NON SOR ITEMS							2079865.08	Above/ Below/Par
01	Please see Item Breakup for details.			2079865.08	AT Par	2079865.08		
	Description:- Supply & Execution							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule C6-NON SOR ITEM							2599094.85	Above/ Below/Par
01	Please see Item Breakup for details.			2599094.85	AT Par	2599094.85		
	Description:- SUPPLY & EXECUTION							

3. ITEM BREAKUP

Schedule	Schedule A1-SOR ITEMS
Item- 01	SUPPLY & EXECUTION

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Supply of Signal Group, 4 Aspect Siemens make (No. A-RT-RG-A057) or functional equivalent without base plates. (Inspection Agency-RDSO)	Numbers	1.00	56582.39	56582.39
2	02	Supply of Route Group Siemens Make (No.RSSK 31/0002) or functional equivalent without base plates.(Inspection Agency-RDSO)	Numbers	1.00	59025.14	59025.14
3	03	Supply of Metal-To-Metal Universal LED type ECR Siemens make (type A-RT-RG-A064) or functional equivalent without base plate, should be suitable for working with LED based signal lighting unit. IRS:S:46 & STS/E/RELAYS/AC LIT LED SIGNAL/09-2002 Amd.1. (Inspection Agency-RDSO)	Numbers	5.00	6923.11	34615.55
4	04	Supply of QNA1 AC immunised relay, 8F-8B, 24 VDC along with plug board, retaining clip and connectors confirming to BRS : 931A, IRS:S60, IRS:S34 & IRS:S23 (Inspection Agency-RDSO)	Numbers	5.00	3852.35	19261.75
5	05	Resin cored wire as per specification No. IS:1921-1975 with Alloying element percentage as 63% SN (Tin) and / 37% Pb (Lead) with percentage of various impurities not exceeding the values Sb (Antimony) 0.2% maximum , Cu (Copper) 0.1% maximum, As (Arsenic) 0.05% maximum, Fe (Iron) 0.02% maximum & other impurities mainly Al, Zn & Cd shall be limited. The flux shall be free from corrosive action as per clause 5.2 & flux percentage may be used as per requirement. (Inspection Agency-Consignee)	Kg	1.00	1252.58	1252.58
6	06	Supply of Main Signal Post 140 mm outer dia 5.6 Mtr Length as per spec No IRS S 6/81 with latest amendments. This item is to be supplied in conjunction of Schedule-B item for Galvanization (Inspection Agency-Consignee)	Numbers	1.00	9233.40	9233.40
7	07	Supply of Cast Iron Main signal surface base 140mm as per spec No IRS S-10 and Drg No 2011/M with latest amendments, with CLS Ladder assembly complete for CLS signal 5.5/4.5/3.5 mtrs long as per RDSO Drg. No. SA-23156(Adv), SA-23153 (Adv) & SA-23150 (Adv) Alt. 1 respectively with Latest Amendment as the case may be for CLS unit & signal back staging as per extent C. Rly practice (Inspection Agency-Consignee)	Numbers	1.00	9034.12	9034.12
8	08	Supply of Cast iron Shunt signal surface base 80 mm as per spec No.IRS S 10 and Drg No.2011/M with latest amendments, as per RDSO Drg No. SA-23156/Drg.No.RST/11413 as per extent C.Rly practice (Inspection Agency-Consignee)	Numbers	1.00	2071.84	2071.84
9	09	Supply of Signal No.plates. as per Drg No RST-11393 / SK-842 (Inspection Agency-Consignee)	Numbers	1.00	521.69	521.69
10	10	OFF set bracket 5-1/2 " to suit 140 mm dia CLS Post with two no. of "U" Bolts with nut & washer complete as per RDSO Drg.No.SA-23080 for Signals & Routes (Inspection Agency-Consignee)	Numbers	1.00	999.74	999.74
11	11	Supply of A/AG/C/P/G/IB Board as per Drg. RST-11444/1(A), RDSO Drg No SA 23460(AG), SA-23461(C), RST-11445. SA 23456(P), SA 23477(G) & SA 23476-77(IB) as applicable respectively with Latest Amendment. (Inspection Agency-Consignee)	Numbers	3.00	561.74	1685.22
12	12	Supply of Stop Board/IB Board as per RST-11791 (STOP BOARD)/ RDSO Drg No.7235/B as per extent C.Rly practice. (Inspection Agency-Consignee)	Numbers	1.00	3340.11	3340.11
13	13	Supply of different warning Boards as per Goods Warning Board (SK-784). RDSO Drg No. SA 2380 (Adv), SA 2370/M, Block section limit Board RDSO Drg.No. SA 2373 Paint and retroreflective arrangement as per Railways drawing. (Inspection Agency-Consignee)	Numbers	3.00	3252.07	9756.21
14	14	Supply of Hand Cuff Locks/ Godrej Navtal lock with Three common keys. (Inspection Agency-Consignee)	Numbers	5.00	286.20	1431.00

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15	15	Supply of "4 Aspect" Signal Unit in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev.2.0 or latest complete and to suit LED signal Lamps and suitable for 140 mm dia post Saves pigment finish on the back side of the end inside. White Pigment finish inside the 4 aspect unit to avoid any extra paint cost. (Inspection Agency-Consignee)	Numbers	1.00	41024.56	41024.56
16	16	Supply of Shunt Signal Position Light Type FRP complete as per RDSO Specification No.RDSO/SPN/ 194/2006/Rev.2.0 or latest with Off set bracket 3-1/2" to be fitted on 140 mm post drawing No. SA 23840(Adv) Alt-2 for dependent type complete with signal unit bracket, terminals etc without lenses, lamp, lamp holder, and to suit LED Signal lamps. (Inspection Agency-Consignee)	Numbers	1.00	13950.27	13950.27
17	17	Supply of 1 way Junction Route Indicator in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev.2.0 or latest complete and to suit LED signal Lamps. (Inspection Agency-Consignee)	Numbers	1.00	35033.30	35033.30
18	18	Supply of "Calling On" Signal Unit in FRP body without lenses and transformers as per RDSO Specification RDSO/SPN/194/2006/Rev.2.0 or latest complete and to suit LED sigal Lamps. (Inspection Agency-Consignee)	Numbers	1.00	8669.75	8669.75
19	19	Supply of Phenolic 10mm thick sheet, grade P3 in standard size of 1.22X1.22 Mtr as per spec. No IS 2036 of 1995. (Inspection Agency-Consignee)	Numbers	2.00	5250.48	10500.96
20	20	Supply of ARA Terminal blocks with links made of PBT Specn No.IRS/75/2006(Rev-2) with latest amendments and RDSO Drg.No.SA-23741A Alt.4, SA-23745 Alt.5, SA-23746, SA-23748 Alt.4 & SA-23756A Alt.3. (Inspection Agency-RDSO)	Numbers	500.00	72.61	36305.00
21	21	Laying of signalling/Power/Telecom cable of various cores/sizes in trenches. (Inspection Agency-Consignee)	Kilometre	3.00	5197.42	15592.26
22	22	"Wherever depth of 0.5M cable trench is not feasible, cable shall be protected as under:- Preparation of cement mixture 1:3:6 with contractor's own materials and spreading cement concrete mixture layer of 100 mm thick over the already laid cables in the excavated trench. (Inspection Agency-Consignee)"	cum	3.00	5329.55	15988.65
23	23	Supply of earth electrode assembly as per Drg.No. CR/S&T/SK-815 (Inspection Agency-Consignee)	Numbers	4.00	1078.08	4312.32
24	24	Excavation and Casting of Main signal foundation as per Drg No SK 801 with contractor's own materials including cement and anchor bolts of standard size. The required scaffolding Ferma etc for Casting of foundation will have to be brought by the contractor at his own cost. (Inspection Agency-Consignee)	Numbers	1.00	9149.34	9149.34
25	25	Excavation and Casting of Shunt signal foundation as per Drg No SK 802 with contractor's own materials including cement and anchor bolts of standard size. The required scaffolding Ferma etc for Casting of foundation will have to be brought by the contractor at his own cost. (Inspection Agency-Consignee)	Numbers	1.00	2649.22	2649.22
26	26	Erection of CLS Post with Surface base and signal unit on top or on OFF set Bracket, fixing of front and back staging, ladder and guards, signal name plates/boards if any with contractors own brackets and fixing materials. This also includes erection of auxiliary signals like calling on, shunt signal if any. The work shall be done as per instructions of Rly engineer at site. (Inspection Agency-Consignee)	Numbers	1.00	3490.22	3490.22
27	27	Erection of shunt signal with Surface Base, Post, Signal unit and fixing of No.plates. The work shall be done as per instructions of Rly engineer at site. (Inspection Agency-Consignee)	Numbers	1.00	481.44	481.44

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28	28	Fixing of Jn.Route Indication 1-Way/2-Way/3-Way on the top of the signal post. (Inspection Agency-Consignee)	Numbers	1.00	763.70	763.70
29	29	Fixing of Stop Board, Block section limit Board, goods warning board with contractors own material. The work shall be done as per instruction of Rly engineer at site. (Inspection Agency-Consignee)	Numbers	7.00	553.28	3872.96
30	30	Termination of tail cable on Main signal units and wiring with contractor own material, etc. The work shall be done as per instruction of Rly engineer at site. (Inspection Agency-Consignee)	Numbers	1.00	1096.27	1096.27
31	31	Termination of tail cable on Shunt signal units and wiring with contractor own material, etc. The work shall be done as per instruction of Rly engineer at site.(Inspection Agency-Consignee)	Numbers	1.00	356.23	356.23
32	32	Hot dip Galvanizing as per RDSO Specn. ETI-OHE-13 [4/84] - Signal post, OFF Set Brackets dia 140mm and length upto 5600 mm. (Inspection Agency-Consignee)	Kg	80.00	53.08	4246.40
33	33	Fixing of ARA Terminals and fuse blocks on phenolic laminated sheets and fixing by stainless steel/brass nuts & bolts.This includes provision of two additional holes on the board on either side for cable conductor entry. (Inspection Agency-Consignee)	Per Conductor	500.00	14.05	7025.00
34	34	Termination of cable cores on ARA terminal/fuse blocks in the apparatus Cases/ cable termination rack.This includes all associated works of pulling out the cable from underground. The work shall be done as per location plans and instructions of Rly engineer at site. (Inspection Agency-Consignee)	Per Conductor	1000.00	10.58	10580.00
35	35	Excavation and Casting of Apparatus Case foundation with contractors Anchor bolts, cement, ballast and other materials. The required scaffolding Ferma etc for Casting of foundation will have to be brought by the contractor at his own cost.Single Case as per Drg No . SK-803 (Inspection Agency-Consignee)	Numbers	1.00	9887.02	9887.02
36	36	Excavation and Casting of Apparatus Case foundation with contractors Anchor bolts, cement, ballast and other materials. The required scaffolding Ferma etc for Casting of foundation will have to be brought by the contractor at his own cost.Half Case as per Drg No . SK-804 (Inspection Agency-Consignee)	Numbers	1.00	9693.93	9693.93
37	37	Erection of Apparatus Cases. This includes filling of location foundations and plastering Single Case (Inspection Agency-Consignee)	Numbers	1.00	1098.04	1098.04
38	38	Erection of Apparatus Cases. This includes filling of location foundations and plastering Half Case (Inspection Agency-Consignee)	Numbers	1.00	842.40	842.40
39	39	Installation of Eqpt. (Relays, resistance, chargers batteries etc.as applicable) & wiring of the same in apparatus Cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. Single Case (Inspection Agency-Consignee)	Numbers	1.00	1497.72	1497.72
40	40	Installation of Eqpt. (Relays, resistance, chargers batteries etc.as applicable) & wiring of the same in apparatus Cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. Half Case (Inspection Agency-Consignee)	Numbers	1.00	1017.78	1017.78

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41	41	"Excavation of cable trench as per cable route plan,1.0 mt. deep and 300mm wide along side the track in normal soil/strata, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid in trench by loose soil for a layer of 50mm thickness after clearing of route,bushes etc. It shall be ensured that top of the cables laid is at a depth of 0.8m or more. If it is less, then the width and depth shall be suitably increased and accordingly proportionate payment shall be made. In case depth of trench is not achievable due to site conditions proportionate payment will be made as per procedure. The work shall be done as per the extant practice on Central Railway and instructions of Railway Engineer at site. Drg. No. SK 805 (Inspection Agency-Consignee)"	cum	200.00	350.00	70000.00
42	42	"Cutting of all types of Roads/ platforms (except concrete type) for trenching and excavation to depth of 300mmx300mm wide approx. and refilling after laying of RCC/GI /DWC pipe & to restore them to original condition. The work shall be done as per extant practice on C.Rly & instructions of Rly engineer at site. Drg. No. SK 807 (Inspection Agency-Consignee)"	cum	18.00	2916.67	52500.06
43	43	Digging of trench 1.0 M deep from rail flange/road level (for LC) and 0.3Mtrs. to 0.6 Mtrs wide and back filling after placing of DWC/RCC/GI pipe.(Placing of DWC/RCC/GI pipe covered separately. The ballast disturbed be screened and dressed as required by Engineer-in-charge or his representatives and road tarred immediately. Drg. No. SK 806 (Inspection Agency-Consignee)	cum	6.00	583.33	3499.98
44	44	Installation of earth electrode assenbly as per Drg.No.RE/S&T/SIG/Tender/SK726/85 including earth wire connected through GI wire 8 SWG supported on M.S. flat of size 6mm x 40 mm to earth electrode as per drg. No. CR/S&T/SK-815 for sigg. Equipment such as lever frames, apparatus case, signals, relay racks,block insruments, and etc. as per RE manual. The earth value should be less than 10 Ohms including the lead wire. The value should be measured in presence of Rly. supervisor. It should be documented and painted on earth enclosure made of concrete.(only earth electrode will be supplied by Railway). All other material required for provision of earthing will be brought by the contractor. (Inspection Agency-Consignee)	Numbers	4.00	2528.14	10112.56
					Total	594048.08

Schedule	Schedule A2-SOR ITEMS					
Item- 01	Supply Items					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Supply of wire 16/0.2 (Blue, Red, Grey, yellow, Brown, Black, White as per site engineer instruction) finolex/polycab/delton make. IRS S-76/89 (Amd.3), BS: 4808 Part-2. Wire to be procured from RDSO approved vender.(Inspection Agency-Consignee)	Kilometre	5.00	6445.17	32225.85
2	02	Supply of QNA1-K AC immunised relay, 12F-4B, 24VDC along with plug board, retaining clip and connectors conforming to BRS:931A & RDSO letter no.STs/E/Relays/UEA/PI dated 30.05.97 Annexure-II IRS:S60,IRS:S34 & IRS:S23. (Inspection Agency-RDSO)	Numbers	10.00	4007.12	40071.20
3	03	Supply of Main Signal Post 140 mm outer dia 4.5 Mtr Length as per spec No IRS S 6/81 with latest amendments. (Inspection Agency-Consignee)	Numbers	5.00	4293.89	21469.45
4	04	Supply of Main Signal Post 140 mm outer dia 5.5 Mtr Length as per spec No IRS S 6/81 with latest amendments. (Inspection Agency-Consignee)	Numbers	5.00	5621.49	28107.45

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5	05	Supply of Cast Iron Main signal surface base 140mm as per spec No IRS S 10 and Drg No 2011/M with latest amendments, with CLS Ladder assembly complete for CLS signal 5.5/4.5 mtrs long as per RDSO Drg. No. SA-23156/23153 as the case may be & signal front staging complete assembly for CLS unit as per Drg.No RST/11413 & signal back staging as per extent C. Rly practice(Inspection Agency-Consignee)	Numbers	10.00	6301.27	63012.70
6	06	Supply of ARA Terminal blocks with links made of PBT Specn No.IRS/75/2006(Rev - 2) with latest amendments and RDSO Drg.No. SA-23741A Alt.4., SA- 23745 Alt.5, SA 23746, SA - 23748 Alt.4, & SA -23756 Alt.3.(Inspection Agency-RDSO)	Numbers	1200.00	72.61	87132.00
7	07	Supply of Tik-tak, piano type switches,5 A (as per IS specification).(Inspection Agency-Consignee)	Numbers	12.00	33.41	400.92
8	08	Supply of three pole plug and socket 5 Amp(as per IS specification)(Inspection Agency-Consignee)	Numbers	12.00	230.86	2770.32
9	09	Supply of Lamp 110V/40W, two pin for Loc.(Inspection Agency-Consignee)	Numbers	500.00	22.73	11365.00
10	10	Supply of earth electrode assembly as per Drg.No.CR/S&T/SK - 815(Inspection Agency-Consignee)	Numbers	50.00	1078.08	53904.00
11	11	Supply of GI pipe, inner dia. 100mm dia. B-class as per spec. No.IS 1239 PT. 1/2004 or latest with sockets and fittings. TATA/JINDAL/ZENITH BIRLA make(Inspection Agency-Consignee)	Metre	36.00	1029.32	37055.52
12	12	Supply of DWC HDPE pipe with one snap fit coupler and 'O' ring fire resistant, anti rodent, in 6 meter length of size 120 mm outer dia as per RDSO/SPN/204/2011 Ver 1.1 with Amd.1 or latest.(Inspection Agency-Consignee)	Metre	96.00	321.43	30857.28
					Total	408371.69
Schedule	Schedule A3-SOR ITEM					
Item- 01	SUPPLY & EXECUTION					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Supply of Phenolic 10mm thick sheet, grade P3 in standard size of 1.22X1.22 Mtr as per spec. No IS 2036 of 1974. (Inspection Agency-Consignee)	Numbers	4.00	6113.68	24454.72
2	02	Supply of ARA Terminal blocks with links made of PBT Specn No.IRS/75/2006(Rev - 2) with latest amendments and RDSO Drg.No.SA-23741A Alt.4. (Inspection Agency-RDSO)	Numbers	500.00	53.18	26590.00
3	03	Supply of Main Signal Post 140 mm outer dia 5.5 Mtr Length as per spec No IRS S 6/81 with latest amendments. (Inspection Agency-Consignee)	Numbers	1.00	8421.98	8421.98
4	04	Supply of Cast iron Main signal 140 mm surface base as IRS S-10, Drg no: S 2011/M with CLS ladder assembly complete for CLS signal 5.5 mtrs. long including platform as per RDSO Drg. No. SA-23156/53 as the case may be & signal front staging complete assembly for CLS unit as per Drg. No RST /11413 & signal back staging as per extent C.Rly practice (Inspection Agency-Consignee)	Numbers	1.00	9440.40	9440.40
5	05	Supply of Signal No.plates. as per Drg No RST-11393(Inspection Agency-Consignee)	Numbers	1.00	466.24	466.24
6	06	OFF set bracket 5-1/2 " for Signals & Routes(Inspection Agency-Consignee)	Numbers	1.00	895.00	895.00
7	07	Supply of A/AG/C/P/G Board as per RDSO Drg No SA 23455-56 RST-11445 & SA 23476-77 as applicable. (Inspection Agency-Consignee)	Numbers	1.00	510.82	510.82
8	08	Supply of earth electrode assembly as per Drg.No.NGP/S&T/C/308(Inspection Agency-Consignee)	Numbers	4.00	976.90	3907.60

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9	09	Installation of earth electrode assembly as per Drg.No.RE/S&T/SIG/Tender/SK726/85 including earth wire connected through GI wire 8 SWG supported on M.S. flat of size 6mm x 40 mm to earth electrode as per drg. No. NGP/S&T/C/309 for sigg. Equipment such as lever frames, apparatus case, signals, relay racks,block instruments, and etc. as per RE manual. The earth value should be less than 10 Ohms including the lead wire. The value should be measured in presence of Rly. supervisor. It should be documented and painted on earth enclosure made of concrete.(only earth electrode will be supplied by Railway). All other material required for provision of earthing will be brought by the contractor.(Inspection Agency-Consignee)	Numbers	4.00	2560.34	10241.36
10	10	Excavation and Casting of main signal foundation as per Drg No RST 11173 with contractor's own materials including cement and anchor bolts of standard size. The required scaffolding Ferma etc for Casting of foundation will have to be brought by the contractor at his own cost.(Inspection Agency-Consignee)	Numbers	1.00	8911.99	8911.99
11	11	Erection of CLS Post with Surface base and signal unit on top or on OFF set Bracket, fixing of front and back staging, ladder and guards, signal name plates/boards if any with contractors own brackets and fixing materials. This also includes erection of auxiliary signals like calling on, shunt signal if any. The work shall be done as per instructions of Rly engineer at site. (Inspection Agency-Consignee)	Numbers	1.00	3396.01	3396.01
12	12	Termination of tail cable on Main signal units and wiring with contractor own material, fixing of lenses etc. The work shall be done as per instruction of Rly engineer at site.(Inspection Agency-Consignee)	Numbers	1.00	1066.68	1066.68
13	13	Supply of DWC HDPE pipe with one snap fit coupler and 'O' ring conforming to IS 14930 (part 2 : 2001), Non metallic, normal duty, pliable, without protection against chemical attack and fire resistant, anti rodent, in 6 meter length of size 120 mm outer dia & 100 mm inner dia.(Inspection Agency-Consignee)	Metre	60.00	304.14	18248.40
14	14	Supply of 50 mm diameter HDPE/DWC pipe of wall thickness minimum 2 mm as per IS.(Inspection Agency-Consignee)	Metre	120.00	108.00	12960.00
15	15	Supply of GI pipe, inner dia. 100mm dia. B-class as per spec. No.IS 1239 PT. 1/2004 with sockets and fittings. (Inspection Agency-Consignee)	Metre	60.00	1083.25	64995.00
16	16	Fabrication and fixing of phenolic laminated sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated string rods at the back side for cable support with contractor's own materials. The work shall be done as per drg and arrangement similar to SK 783-1/2. with latest alterations & as per instructions of Rly engineer at site. Full case(Inspection Agency-Consignee)	Numbers	2.00	2296.35	4592.70
17	17	Fabrication and fixing of phenolic laminated sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated string rods at the back side for cable support with contractor's own materials. The work shall be done as per drg and arrangement similar to SK 783-1/2. with latest alterations & as per instructions of Rly engineer at site. Half case(Inspection Agency-Consignee)	Numbers	2.00	2230.70	4461.40
18	18	Fixing of ARA Terminals and fuse blocks on phenolic laminated sheets and fixing by stainless steel/brass nuts & bolts.This includes provision of two additional holes on the board on either side for cable conductor entry.(Inspection Agency-Consignee)	Numbers	500.00	15.07	7535.00

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19	19	Termination of cable cores on ARA terminal/fuse blocks, 8 way terminals block in the apparatus Cases/ cable termination rack.This includes all associated works of pulling out the cable from underground. The work shall be done as per location plans and instructions of Rly engineer at site. (Inspection Agency-Consignee)	Per Conductor	1000.00	10.76	10760.00
20	20	Excavation, Casting of Apparatus Case foundation with contractors own MS frame, cement, bricks and other materials. Half Case as per Drg No RST/11176 & 11174(for foundation and brickwork). Single case(Inspection Agency-Consignee)	Numbers	2.00	7157.02	14314.04
21	21	Excavation, Casting of Apparatus Case foundation with contractors own MS frame, cement, bricks and other materials. Half Case as per Drg No RST/11176 & 11174(for foundation and brickwork). Half case(Inspection Agency-Consignee)	Numbers	2.00	5889.36	11778.72
22	22	Erection of Apparatus Cases. This includes filling of location foundations with river bed sand and plastering on top of the sand. Single case(Inspection Agency-Consignee)	Numbers	2.00	1069.53	2139.06
23	23	Erection of Apparatus Cases. This includes filling of location foundations with river bed sand and plastering on top of the sand. Half case(Inspection Agency-Consignee)	Numbers	2.00	677.82	1355.64
24	24	Installation of Eqpt. (Relays, resistance, chargers batteries etc.as applicable) & wiring of the same in apparatus Cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. Single case(Inspection Agency-Consignee)	Numbers	2.00	1092.85	2185.70
25	25	Installation of Eqpt. (Relays, resistance, chargers batteries etc.as applicable) & wiring of the same in apparatus Cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. Half case(Inspection Agency-Consignee)	Numbers	2.00	644.58	1289.16
26	26	Excavation of cable trench as per cable route plan, 1.0 mt. deep and 300mm wide along side the track in normal soil/strata, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid in trench by loose soil for a layer of 50mm thickness approximately before covering by stones/bricks, clearing of route, bushes etc.The work shall be done as per the extant practice on Central Railway and instructions of Railway Engineer at site. In case depth of trench is not achievable due to site conditions proportionate payment will be made.(Inspection Agency-Consignee)	Metre	1000.00	39.00	39000.00
27	27	Cutting of all types of Roads/ platforms preparatory to trenching and excavation to depth of 300mmx300mm wide approx. and refilling after laying of RCC/GI /DWC pipe & to restore them to original condition. The work shall be done as per extant practice on C.Rly & instructions of Rly engineer at site.(Inspection Agency-Consignee)	Metre	30.00	61.54	1846.20
28	28	Excavation of cable trench 1m deep and 300mm wide across the track, for track crossing and refilling after laying of DWC pipes. The work shall be done as per extant practice on C. Rly & instruction of Rly engineer at site. (Inspection Agency-Consignee)	Metre	90.00	84.72	7624.80
29	29	Laying of signalling/Power/Telecom cable of various cores/sizes in trenches.(Inspection Agency-Consignee)	Kilometre	3.00	5038.65	15115.95
30	30	Casting of cement concrete to protect S&T equipments and laid cbels, above pipes etc by concrete mixture of cement, sand, stone in the ratio of 1:2:4 using 25 mm graded stone aggregate as per instructions of site in charge of railways. Concrete is to be casted with the help of suitable size shuttering form as per site requirement. Concrete is to be cure for sufficient time as per standard practices on railways .(Inspection Agency-Consignee)	cum	3.00	4017.20	12051.60

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31	31	Joining of 4 / 6 quad cable with Heat Shrinkable straight through Joining Kit for 4 / 6 quad cable.(Inspection Agency-Consignee)	Numbers	2.00	3447.07	6894.14
					Total	337450.31
Schedule	Schedule A4-SOR ITEM					
Item- 01	SUPPLY & EXECUTION					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Supply of Phenolic 10mm thick sheet, grade P3 in standard size of 1.22X1.22 Mtr as per spec. No IS 2036 of 1974. (Inspection Agency-Consignee)	Numbers	2.00	6113.68	12227.36
2	02	Supply of ARA Terminal blocks with links made of PBT Specn No.IRS/75/2006(Rev - 2) with latest amendments and RDSO Drg.No.SA-23741A Alt.4. (make-Paras) (Inspection Agency-RDSO)	Numbers	400.00	53.18	21272.00
3	03	Fabrication and fixing of phenolic laminated sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated string rods at the back side for cable support with contractor's own materials. The work shall be done as per drg and arrangement similar to SK 783-1/2. with latest alterations & as per instructions of Rly engineer at site. Full case(Inspection Agency-Consignee)	Numbers	1.00	2184.05	2184.05
4	04	Fabrication and fixing of phenolic laminated sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated string rods at the back side for cable support with contractor's own materials. The work shall be done as per drg and arrangement similar to SK 783-1/2. with latest alterations & as per instructions of Rly engineer at site. Half case(Inspection Agency-Consignee)	Numbers	1.00	1630.69	1630.69
5	05	Fixing of ARA Terminals and fuse blocks on phenolic laminated sheets and fixing by stainless steel/brass nuts & bolts.This includes provision of two additional holes on the board on either side for cable conductor entry.(Inspection Agency-Consignee)	Numbers	400.00	10.98	4392.00
6	06	Termination of cable cores on ARA terminal/fuse blocks, 8 way terminals block in the apparatus Cases/ cable termination rack.This includes all associated works of pulling out the cable from underground. The work shall be done as per location plans and instructions of Rly engineer at site. (Inspection Agency-Consignee)	Per Conductor	400.00	7.84	3136.00
7	07	Excavation, Casting of Apparatus Case foundation with contractors own MS frame, cement, bricks and other materials. Half Case as per Drg No RST/11176 & 11174(for foundation and brickwork). Single case(Inspection Agency-Consignee)	Numbers	1.00	7157.02	7157.02
8	08	Excavation, Casting of Apparatus Case foundation with contractors own MS frame, cement, bricks and other materials. Half Case as per Drg No RST/11176 & 11174(for foundation and brickwork). Half case(Inspection Agency-Consignee)	Numbers	1.00	5889.36	5889.36
9	09	Erection of Apparatus Cases. This includes filling of location foundations with river bed sand and plastering on top of the sand. Single case(Inspection Agency-Consignee)	Numbers	1.00	1069.53	1069.53
10	10	Erection of Apparatus Cases. This includes filling of location foundations with river bed sand and plastering on top of the sand. Half case(Inspection Agency-Consignee)	Numbers	1.00	677.82	677.82
11	11	Installation of Eqpt. (Relays, resistance, chargers batteries etc.as applicable) & wiring of the same in apparatus Cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. Single case(Inspection Agency-Consignee)	Numbers	1.00	1092.85	1092.85

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12	12	Installation of Eqpt. (Relays, resistance, chargers batteries etc.as applicable) & wiring of the same in apparatus Cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. Half case(Inspection Agency-Consignee)	Numbers	1.00	644.58	644.58
13	13	Excavation of cable trench as per cable route plan, 1.0 mt. deep and 300mm wide along side the track in normal soil/strata, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid in trench by loose soil for a layer of 50mm thickness approximately before covering by stones/bricks, clearing of route, bushes etc.The work shall be done as per the extant practice on Central Railway and instructions of Railway Engineer at site. In case depth of trench is not achievable due to site conditions proportionate payment will be made.(Inspection Agency-Consignee)	Metre	1000.00	39.00	39000.00
14	14	Cutting of all types of Roads/ platforms preparatory to trenching and excavation to depth of 300mmx300mm wide approx. and refilling after laying of RCC/GI /DWC pipe & to restore them to original condition. The work shall be done as per extant practice on C.Rly & instructions of Rly engineer at site.(Inspection Agency-Consignee)	Metre	30.00	61.54	1846.20
15	15	Excavation of cable trench 1m deep and 300mm wide across the track, for track crossing and refilling after laying of DWC pipes. The work shall be done as per extant practice on C. Rly & instruction of Rly engineer at site. (Inspection Agency-Consignee)	Metre	30.00	84.72	2541.60
16	16	Laying of signalling/Power/Telecom cable of various cores/sizes in trenches.(Inspection Agency-Consignee)	Kilometre	3.00	5038.65	15115.95
17	17	Jointing of 4 / 6 quad cable with Heat Shrinkable straight through Jointing Kit for 4 / 6 quad cable.(Inspection Agency-Consignee)	Numbers	1.00	3447.07	3447.07
					Total	123324.08
Schedule	Schedule A5-SOR ITEM					
Item- 01	SUPPLY & EXECUTION					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Supply of Phenolic 10mm thick sheet, grade P3 in standard size of 1.22X1.22 Mtr as per spec. No IS 2036 of 1974. (Inspection Agency-Consignee)	Numbers	1.00	6113.68	6113.68
2	02	Supply of ARA Terminal blocks with links made of PBT Specn No.IRS/75/2006(Rev - 2) with latest amendments and RDSO Drg.No.SA-23741A Alt.4. (make-Paras) (Inspection Agency-RDSO)	Numbers	400.00	53.18	21272.00
3	03	Fabrication and fixing of phenolic laminated sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated string rods at the back side for cable support with contractor's own materials. The work shall be done as per drg and arrangement similar to SK 783-1/2. with latest alterations & as per instructions of Rly engineer at site. Half case(Inspection Agency-Consignee)	Numbers	1.00	1630.69	1630.69
4	04	Fixing of ARA Terminals and fuse blocks on phenolic laminated sheets and fixing by stainless steel/brass nuts & bolts.This includes provision of two additional holes on the board on either side for cable conductor entry.(Inspection Agency-Consignee)	Numbers	400.00	15.07	6028.00
5	05	Termination of cable cores on ARA terminal/fuse blocks, 8 way terminals block in the apparatus Cases/ cable termination rack.This includes all associated works of pulling out the cable from underground. The work shall be done as per location plans and instructions of Rly engineer at site. (Inspection Agency-Consignee)	Per Conductor	800.00	10.76	8608.00

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6	06	Excavation, Casting of Apparatus Case foundation with contractors own MS frame, cement, bricks and other materials. Half Case as per Drg No RST/11176 & 11174(for foundation and brickwork)(Inspection Agency-Consignee)	Numbers	2.00	9291.77	18583.54
7	07	Erection of Apparatus Cases. This includes filling of location foundations with river bed sand and plastering on top of the sand. Half case(Inspection Agency-Consignee)	Numbers	2.00	677.82	1355.64
8	08	Installation of Eqpt. (Relays, resistance, chargers batteries etc.as applicable) & wiring of the same in apparatus Cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. Half case(Inspection Agency-Consignee)	Numbers	2.00	992.93	1985.86
9	09	Excavation of cable trench 1m deep and 300mm wide across the track, for track crossing and refilling . The work shall be done as per extant practice on C. Rly & instruction of Rly engineer at site(Inspection Agency-Consignee)	Metre	30.00	108.95	3268.50
10	10	Laying of signalling/Power/Telecom cable of various cores/sizes in trenches.(Inspection Agency-Consignee)	Kilometre	1.00	5158.40	5158.40
11	11	Excavation of cable trench as per cable route plan,1.0 mt. deep and 300mm wide along side the track in normal soil/strata, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid in trench by loose soil for a layer of 50mm thickness approximately before covering by stones/bricks,clearing of route,bushes etc.The work shall be done as per the extant practice on Central Railway and instructions of Railway Engineer at site. In case depth of trench is not achievable due to site conditions proportionate payment will be made.(Inspection Agency-Consignee)	Metre	300.00	48.20	14460.00
					Total	88464.31

Schedule A6-SOR ITEM						
Item- 01 SUPPLY						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Supply of QNA1-K AC immunised relay, 8F-8B, 24VDC along with plug board, retaining clip and connectors conforming to BRS:931A & RDSO letter no.STs/E/Relays/UEA/PI dated 30.05.97 Annexure-II IRS:S60, IRS:S34 & IRS:S23. (Inspection Agency-RDSO)	Numbers	10.00	4099.97	40999.70
2	02	Supply of QNA1 AC immunised relay, 8F-8B, 24 VDC along with plug board, retaining clip and connectors confirming to BRS : 931A, IRS:S60, IRS:S34 & IRS:S23(Inspection Agency-RDSO)	Numbers	10.00	3852.35	38523.50
3	03	Supply of QN1 Non AC immunised neutral relay, 8F-8B, 24 VDC along with plug board, retaining clip and connectors confirming to BRS : 930, IRS:S60, IRS:S34 & IRS:S23(Inspection Agency-RDSO)	Numbers	10.00	4030.46	40304.60
4	04	Supply of Hand Cuff Locks/ Godrej Navtal lock with Three common keys.(Inspection Agency-Consignee)	Numbers	50.00	286.20	14310.00
5	05	Supply of FIBRE GLASS INSULATING FIRE RETARDENT SHEET OF 10 MM THICKNESS AS PER ISO:10192-1982, Dielectric strength-25KV/mm with glass content 25 to 34% in standard size of 1.10x1.10 Mtr. as per Spec. No. IS:10192-1982.(Inspection Agency-Consignee)	Numbers	10.00	5300.00	53000.00
6	06	Supply of ARA Terminal blocks with links made of PBT Specn No.IRS/75/2006(Rev-2) with latest amendments and RDSO Drg.No.SA-23741A Alt.4, SA-23745 Alt.5, SA-23746, SA-23748 Alt.4 & SA-23756A Alt.3.(Inspection Agency-RDSO)	Numbers	3500.00	72.61	254135.00
7	07	Supply of Tik-tak, piano type switches,5 A (as per IS Specification).(Inspection Agency-Consignee)	Numbers	20.00	33.41	668.20
8	08	Supply of three pole plug and socket 5 Amp (as per IS Specification).(Inspection Agency-Consignee)	Numbers	20.00	230.86	4617.20

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9	09	Supply of earth electrode assembly as per Drg.No. CR/S&T/SK-815(Inspection Agency-Consignee)	Numbers	20.00	1078.08	21561.60
10	10	Supply of GI pipe, inner dia. 100mm dia. B-class as per spec. No.IS 1239 PT. 1/2004 or latest with sockets and fittings. TATA/JINDAL/ZENITH BIRLA make.(Inspection Agency-Consignee)	Metre	300.00	1029.32	308796.00
11	11	Supply of DWC HDPE pipe with one snap fit coupler and 'O' ring fire resistant, anti rodent, in 6 meter length of size 120 mm outer dia as per RDSO/SPN/204/2011 Ver. 1.1 with Amd.1 or latest.(Inspection Agency-Consignee)	Metre	300.00	321.43	96429.00
12	12	Supply of Adhesive Tapes rolls, PVC (18mmx25Mtr) Steel Grip/SCOTCH/ANCHOR.(Inspection Agency-Consignee)	Numbers	200.00	33.50	6700.00
					Total	880044.80
Schedule	Schedule B1-NON SOR ITEMS					
Item- 01	Supply & Execution					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Supply of cable route marker as per RST/C/203 of FRP (Inspection Agency-Consignee)	Numbers	10.00	411.89	4118.90
2	02	Supply of Digital Ground tester model DET3TD part no. DET3D 2 & 3 Terminal earth tester, digital display with case & kit. (Inspection Agency-Consignee)	Numbers	1.00	80600.00	80600.00
3	03	Digital current Clamp Meter to measure current leaks parasitic draws down to 1 mA and electric loads from 1 mA to Minimum 60 Amp AC/DC and voltages from 0 to 600 V AC/DC, small jaw size to measure current in signaling circuits, 4 digit display. Make Fluke/ GTC/KEW or superior with better specifications mentioned all accessories like test lead, batteries and carrying case, sample may got approved from consignee before supply. (Inspection Agency-Consignee)	Numbers	1.00	22440.40	22440.40
4	04	Single case foundation of Location box of prefabricated RCC rectangular shape units. The 1 meter height construction of location box foundation comprising of 7 nos rectangular units (150mm height of wall thickness 80 mm), alongwth S.S. bolt 10x1150mm Galvanised coated with 2 checknut & washer. As per Railway Drg. RST 12125 (Inspection Agency-Consignee)	Numbers	1.00	20520.00	20520.00
5	05	Half case foundation of Location box of prefabricated RCC rectangular shape units. The 1 meter height construction of location box foundation comprising of 7 nos rectangular units (150mm height of wall thickness 80 mm), alongwth S.S. bolt 10x1150mm Galvanised coated with 2 checknut & washer. As per Railway Drg. RST 12126 (Inspection Agency-Consignee)	Numbers	1.00	15480.00	15480.00
					Total	143159.30
Schedule	Schedule B2-SOR ITEMS					
Item- 01	Execution					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Fixing of Q series relay base plate/metal to metal relay mini group and major group base plate, laying, bunching, lacing, dressing & packeting of 60/40 core PVC indoor cable/flexible wire and termination of 60/40 core cable/flexible wire on tagblock/base plate & base plates & soldering. This includes fuse wiring, bus bar looping etc. required for keeping installation ready for circuit wiring work & panel throughing work. The work shall be done as per approved plan, extant practice on C.Rly. & the instruction of Rly. Engineer at site.(Inspection Agency-Consignee) (UNIT NUMBNER SHOULD BE READ AS TAG BLOCK)	Numbers	10.00	626.09	6260.90

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2	02	Excavation and Casting of main signal foundation as per Drg No RST 11173 with contractor's own materials including cement and anchor bolts of standard size. The required scaffolding Ferma etc for Casting of foundation will have to be brought by the contractor at his own cost.(Inspection Agency-Consignee)	Numbers	10.00	5398.70	53987.00
3	03	Erection of CLS Post with Surface base and signal unit on top or on OFF set Bracket, fixing of front and back staging, ladder and guards, signal name plates/boards if any with contractors own brackets and fixing materials. This also includes erection of auxiliary signals like calling on, shunt signal if any. The work shall be done as per instructions of Rly engineer at site.(Inspection Agency-Consignee)	Numbers	10.00	2057.23	20572.30
4	04	Excavation and Casting of Shunt signal foundation as per Drg No SK 802 with contractor's own materials including cement and anchor bolts of standard size. The required scaffolding Ferma etc for Casting of foundation will have to be brought by the contractor at his own cost.(Inspection Agency-Consignee)	Numbers	1.00	2649.22	2649.22
5	05	Erection of shunt signal with Surface Base, Post, Signal unit and fixing of No.plates. The work shall be done as per instructions of Rly engineer at site. (Inspection Agency-Consignee)	Numbers	1.00	481.44	481.44
6	06	Termination of tail cable on Main signal units and wiring with contractor own material, fixing of lenses etc. The work shall be done as per instruction of Rly engineer at site.(Inspection Agency-Consignee)	Numbers	15.00	646.17	9692.55
7	07	Fixing of ARA Terminals and fuse blocks on phenolic laminated sheets and fixing by stainless steel/brass nuts & bolts.This includes provision of two additional holes on the board on either side for cable conductor entry. (Inspection Agency-Consignee)	Numbers	1200.00	14.05	16860.00
8	08	Termination of cable cores on ARA terminal/fuse blocks, 8 way terminals block in the apparatus Cases/ cable termination rack.This includes all associated works of pulling out the cable from underground. The work shall be done as per location plans and instructions of Rly engineer at site. (Inspection Agency-Consignee)	Per Conductor	2400.00	10.58	25392.00
9	09	Excavation and Casting of Apparatus Case foundation with contractors Anchor bolts, cement, ballast and other materials. Te required scaffolding ferma etc for casting of foundation will have to be brought by yhe contractor at his own cost Single case as per Drg SK - 803(Inspection Agency-Consignee)	Numbers	5.00	9887.02	49435.10
10	10	Erection of Apparatus Cases. This includes filling of location foundations and plastering Single case(Inspection Agency-Consignee)	Numbers	5.00	1098.04	5490.20
11	11	Installation of Eqpt. (Relays, resistance, chargers batteries etc.as applicable) & wiring of the same in apparatus Cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. Single case . (Inspection Agency-Consignee)	Numbers	5.00	1497.72	7488.60
12	12	Installation of earth electrode assenbly as per Drg.No.RE/S&T/SIG/Tender/SK726/85 including earth wire connected through GI wire 8 SWG supported on M.S. flat of size 6mm x 40 mm to earth electrode as per drg. No. CR/S&T/SK-815 for sigg. Equipment such as lever frames, apparatus case, signals, relay racks, block insruments, and etc. as per RE manual. The earth value should be less than 10 Ohms including the lead wire. The value should be measured in presence of Rly. supervisor. It should be documented and painted on earth enclosure made of concrete.(only earth electrode will be supplied by Railway). All other material required for provision of earthing will be brought by the contractor.(Inspection Agency-Consignee)	Numbers	50.00	2528.14	126407.00

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13	13	Excavation of cable trench as per cable route plan,1.0 mt. deep and 300mm wide along side the track in normal soil/strata, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid in trench by loose soil for a layer of 50mm thickness after clearing of route, bushes etc. It shall be ensured that top of the cables laid is at a depth of 0.8 m or more. If it is less, then the width and depth shall be suitably increased and accordingly proportionate payment shall be made. In case depth of trench is not achievable due to site conditions proportionate payment will be made as per procedure. The work shall be done as per the extant practice on Central Railway and instructions of Rly Engineer at site. Drg No. SK 8053(Inspection Agency-Consignee)	cum	750.00	350.00	262500.00
14	14	"Excavation of cable trench as per cable route plan,1.0 mt. deep and 300mm wide along side the track in hard soil, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid in trench by loose soil for a layer of 50mm thickness after clearing of route,bushes etc. It shall be ensured that top of the cables laid is at a depth of 0.8m or more. If it is less, then the width and depth shall be suitably increased and accordingly proportionate payment shall be made. In case depth of trench is not achievable due to site conditions proportionate payment will be made as per procedure. The work shall be done as per the extant practice on Central Railway and instructions of Railway Engineer at site. Drg. No. SK 805(Inspection Agency-Consignee)"	cum	60.00	583.33	34999.80
15	15	Cutting of all types of Roads/ platforms (except concrete type) for trenching and excavation to depth of 300mmx300mm wide approx. and refilling after laying of RCC/GI /DWC pipe & to restore them to original condition. The work shall be done as per extant practice on C.Rly & instructions of Rly engineer at site. Drg No SK-807(Inspection Agency-Consignee)	cum	5.00	2916.67	14583.35
16	16	Laying of DWC/RCC pipes alongwith collars/ RCC Half round pipes in trenches at places of track and road crossings, platform cuttings etc. (Inspection Agency-Consignee)	Metre	96.00	56.85	5457.60
17	17	Laying of signalling/Power/Telecom cable of various cores/sizes in trenches.(Inspection Agency-Consignee)	Kilometre	15.00	5197.42	77961.30
18	18	Placing and securing of cable route markers in trenches at the specified interval and at diversions, joints etc along the cable route. The work shall be done as per extant practice on C Railways & the instruction of Rly engineer at site. (Inspection Agency-Consignee)	Numbers	20.00	12.53	250.60
					Total	720468.96
Schedule	Schedule B3-NON SOR ITEM					
Item- 01	Supply & execution					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Execution of S & T work related to engineering block of CTR/TTR/TSR or others, in one block, five unskilled manpower have to be provided during block for S&T connection removing & refixing as per Railway site engineer instruction.(Inspection Agency-Consignee)	Job	40.00	2943.45	117738.00
2	02	Non metallic Colour light signal Housing Multi Unit type 4 aspect as per RDSO Drg. No.SA 23001 A/M(With latest all if any) to specification No. RDSO/SPN/194/2006 with amnd. Upto date if any FRP material specification No. RDSO/SPN/151/1997 Drg no.& specification as applicable without lenses, lamp holder bracket.(Inspection Agency-Consignee)	Numbers	1.00	34804.00	34804.00

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3	03	MODULAR TYPE SS MEDUIM SIZE LOCATION BOX(Inspection Agency-Consignee)	Numbers	2.00	68889.60	137779.20
4	04	SS POST BOX LOCATION BOX(Inspection Agency-Consignee)	Numbers	2.00	52624.00	105248.00
5	05	Supply of Thermo Shrink Jointing Kit (Reinforced) as per CSTE/CR Specification No. CR/SPN/TC/57(A)/2015. (generally conforming to RDSO specification No. RDSO/SPN/TC/ 57/2006 with modified kits contents (Table-A) to be suitable for jointing of both 10,20,50 Pair PIJF and 4/6 Quad cables with Sub-kit (Table-B) for armour continuity to be used with jointing kits). (Inspection Agency-Consignee)	Numbers	2.00	2500.00	5000.00
6	06	Supply of GI bend pipe Bclass 50mm diafor cable entry in point machines alongwith required fixing arrangements as per tstandard practice on central Railway.(Inspection Agency-Consignee)	Numbers	20.00	392.11	7842.20
7	07	Supply of wire tree for use in point machineas per drg RST-11435, wiring tree lugs are to be crimped & soldered. (Inspection Agency-Consignee)	Numbers	30.00	438.00	13140.00
8	08	Supply of stone preventor brackets to prevent direct entering of obstruction in points.(Inspection Agency-Consignee)	Set	50.00	928.06	46403.00
9	09	AC/DC Clampmeter make G Tech CM 100, or fluke 317 or Motwani DCM 30 Aonly (Inspection Agency-consignee) (Inspection Agency-Consignee)	Numbers	4.00	2687.23	10748.92
10	10	"Digital Multimeter TRUE FLUKE make model New Fluke 289 or Similar (Details as per annexure attached) (Inspection Agency-Consignee)"	Numbers	1.00	29507.54	29507.54
					Total	508210.86
Schedule	Schedule B4-NON SOR ITEM					
Item- 01	Supply & execution					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Execution of S & T work related to enginnering block of CTR/TTR/TSR or others, in one block, five unskilled manpower have to be provided during block for S&T connection removing & refixing as per Railway site engineer instruction.(Inspection Agency-Consignee)	Job	20.00	2943.45	58869.00
2	02	MODULAR TYPE SS MEDUIM SIZE LOCATION BOX(Inspection Agency-Consignee)	Numbers	1.00	68889.60	68889.60
3	03	SS POST BOX LOCATION BOX(Inspection Agency-Consignee)	Numbers	1.00	52624.00	52624.00
4	04	Supply of Thermo Shrink Jointing Kit (Reinforced) as per CSTE/CR Specification No. CR/SPN/TC/57(A)/2015. (generally conforming to RDSO specification No. RDSO/SPN/TC/ 57/2006 with modified kits contents (Table-A) to be suitable for jointing of both 10,20,50 Pair PIJF and 4/6 Quad cables with Sub-kit (Table-B) for armour continuity to be used with jointing kits). (Inspection Agency-Consignee)	Numbers	1.00	2500.00	2500.00
5	05	Casting of cement concrete to protect S&T equipments and laid cbels, above pipes etc by concrete mixture of cement, sand, stone in the ratio of 1:2:4 using 25 mm graded stone aggregate as per instructions of site in charge of railways. Concrete is to be casted with the help of suitable size shuttering form as per site requirement. Concrete is to be cure for sufficient time as per standard practices on railways .(Inspection Agency-Consignee)	cum	2.00	4017.20	8034.40
					Total	190917.00
Schedule	Schedule B5-NON SOR ITEM					
Item- 01	Supply & execution					

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Execution of S & T work related to engineering block of CTR/TTR/TSR or others, in one block, five unskilled manpower have to be provided during block for S&T connection removing & refixing as per Railway site engineer instruction.(Inspection Agency-Consignee)	Job	10.00	2943.45	29434.50
2	02	SS POST BOX LOCATION BOX(Inspection Agency-Consignee)	Numbers	2.00	52624.00	105248.00
					Total	134682.50
Schedule	Schedule B6-SOR ITEM					
Item- 01	EXECUTION					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Fabrication and fixing of phenolic laminated/Fibre glass sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated/with PVC pipe covered string rods at the back side for cable support with contractor's own materials. The work shall be done as per drg and arrangement similar to SK 783-1&2. with latest alterations & as per instructions of Rly engineer at site.Single Case(Inspection Agency-Consignee)	Numbers	6.00	2251.73	13510.38
2	02	Fabrication and fixing of phenolic laminated/Fibre glass sheet in location box by providing all fixtures as per Railway Drawing including fixing of PVC coated/with PVC pipe covered string rods at the back side for cable support with contractor's own materials. The work shall be done as per drg and arrangement similar to SK 783-1&2. with latest alterations & as per instructions of Rly engineer at site. Half Case(Inspection Agency-Consignee)	Numbers	4.00	1984.78	7939.12
3	03	Fixing of cutting in relay bases & wiring of relays with Contractors own material obtained from approved sources in location box as per the instuctions of Engineer in charge. (Inspection Agency-Consignee)	Numbers	20.00	566.24	11324.80
4	04	Fixing of ARA Terminals and fuse blocks on phenolic laminated sheets and fixing by stainless steel/brass nuts & bolts.This includes provision of two additional holes on the board on either side for cable conductor entry. (Inspection Agency-Consignee)	Per Conductor	3500.00	14.05	49175.00
5	05	Termination of cable cores on ARA terminal/fuse blocks in the apparatus Cases/ cable termination rack.This includes all associated works of pulling out the cable from underground. The work shall be done as per location plans and instructions of Rly engineer at site.(Inspection Agency-Consignee)	Per Conductor	3500.00	10.58	37030.00
6	06	Excavation and Casting of Apparatus Case foundation with contractors Anchor bolts, cement, ballast and other materials. The required scaffolding Ferma etc for Casting of foundation will have to be brought by the contractor at his own cost. Single Case as per Drg No . SK-803(Inspection Agency-Consignee)	Numbers	6.00	9887.02	59322.12
7	07	Excavation and Casting of Apparatus Case foundation with contractors Anchor bolts, cement, ballast and other materials. The required scaffolding Ferma etc for Casting of foundation will have to be brought by the contractor at his own cost. Half Case as per Drg No . SK-804(Inspection Agency-Consignee)	Numbers	4.00	9693.93	38775.72
8	08	Erection of Apparatus Cases. This includes filling of location foundations and plastering Single Case(Inspection Agency-Consignee)	Numbers	6.00	1098.04	6588.24
9	09	Erection of Apparatus Cases. This includes filling of location foundations and plastering Half Case(Inspection Agency-Consignee)+	Numbers	4.00	842.40	3369.60

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10	10	Installation of Eqpt. (Relays, resistance, chargers batteries etc.as applicable) & wiring of the same in apparatus Cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. Single Case(Inspection Agency-Consignee)	Numbers	6.00	1497.72	8986.32
11	11	Installation of Eqpt. (Relays, resistance, chargers batteries etc.as applicable) & wiring of the same in apparatus Cases as per location diagrams & circuit diagrams, as per Instruction of site incharge and practice. Half Case(Inspection Agency-Consignee)	Numbers	4.00	1017.78	4071.12
12	12	Installation of earth electrode assenbly as per Drg.No.RE/S&T/SIG/Tender/SK726/85 including earth wire connected through GI wire 8 SWG supported on M.S. flat of size 6mm x 40 mm to earth electrode as per drg. No. CR/S&T/SK-815 for sigg. Equipment such as lever frames, apparatus case, signals, relay racks,block insruments, and etc. as per RE manual. The earth value should be less than 10 Ohms including the lead wire. The value should be measured in presence of Rly. supervisor. It should be documented and painted on earth enclosure made of concrete.(only earth electrode will be supplied by Railway). All other material required for provision of earthing will be brought by the contractor.(Inspection Agency-Consignee)	Numbers	20.00	2528.14	50562.80
13	13	"Excavation of cable trench as per cable route plan,1.0 mt. deep and 300mm wide along side the track in normal soil/strata, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid in trench by loose soil for a layer of 50mm thickness after clearing of route,bushes etc. It shall be ensured that top of the cables laid is at a depth of 0.8m or more. If it is less, then the width and depth shall be suitably increased and accordingly proportionate payment shall be made. In case depth of trench is not achievable due to site conditions proportionate payment will be made as per procedure. The work shall be done as per the extant practice on Central Railway and instructions of Railway Engineer at site. Drg. No. SK 805(Inspection Agency-Consignee)"	cum	800.00	350.00	280000.00
14	14	"Excavation of cable trench as per cable route plan,1.0 mt. deep and 300mm wide along side the track in hard soil, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid in trench by loose soil for a layer of 50mm thickness after clearing of route,bushes etc. It shall be ensured that top of the cables laid is at a depth of 0.8m or more. If it is less, then the width and depth shall be suitably increased and accordingly proportionate payment shall be made. In case depth of trench is not achievable due to site conditions proportionate payment will be made as per procedure. The work shall be done as per the extant practice on Central Railway and instructions of Railway Engineer at site. Drg. No. SK 805(Inspection Agency-Consignee)"	cum	100.00	583.33	58333.00
15	15	"Cutting of all types of Roads/ platforms (except concrete type) for trenching and excavation to depth of 300mmx300mm wide approx. and refilling after laying of RCC/GI /DWC pipe & to restore them to original condition. The work shall be done as per extant practice on C.Rly & instructions of Rly engineer at site. Drg. No. SK 807(Inspection Agency-Consignee)"	cum	30.00	2916.67	87500.10
16	16	Fixing of GI pipes for crossing the culverts, bridges etc. and concreting of ends with brick masonry at both ends as per the instruction of Rly engineer at site.(Inspection Agency-Consignee)	Metre	300.00	69.97	20991.00

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17	17	Digging of trench 1.0 M deep from rail flange/road level (for LC) and 0.3Mtrs. to 0.6 Mtrs wide and back filling after placing of DWC/RCC/GI pipe.(Placing of DWC/RCC/GI pipe covered separately. The ballast disturbed be screened and dressed as required by Engineer-in-charge or his representatives and road tarred immediately. Drg. No. SK 806(Inspection Agency-Consignee)	cum	20.00	583.33	11666.60
18	18	Laying of DWC/RCC pipes alongwith collars/RCC Half round pipes in trenches at places of track and road crossings, platform cuttings etc. (Inspection Agency-Consignee)	Metre	600.00	56.85	34110.00
19	19	Laying of signalling/Power/Telecom cable of various cores/sizes in trenches.(Inspection Agency-Consignee)	Kilometre	76.00	5197.42	395003.92
20	20	Laying of RCC Trunking and capping and sealing after cable laying as per std practice on C.Rly & the instruction of site engineer.(Inspection Agency-Consignee)	Numbers	500.00	70.79	35395.00
21	21	Placing and securing of cable route markers in trenches at the specified interval and at diversions, joints etc along the cable route. The work shall be done as per extant practice on C Railways & the instruction of Rly engineer at site. (Inspection Agency-Consignee)	Numbers	100.00	12.53	1253.00
22	22	"Wherever depth of 0.5M cable trench is not feasible, cable shall be protected as under:- Preparation of cement mixture 1:3:6 with contractor's own materials and spreading cement concrete mixture layer of 100 mm thick over the already laid cables in the excavated trench.(Inspection Agency-Consignee)"	cum	20.00	5329.55	106591.00
					Total	1321498.84

Schedule Schedule C2-NON SOR ITEMS

Item- 01 Supply & Execution

S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Arrangment of battery operated rail core drill alongwith additional 18 mm TCT rail core drill.Maximum core cutting capacity 36mm, rated speed 250/450ZRPM, Battery type Li-on, Battery voltage 50V, Battery pack capacity 4AH, Number of battery supplied-2No. Charger-1No. Special design pressurised internal spindle cooling to give maximum life of core cutter by avoiding heating.3 sets of of 22,13,16,7.1 gauge drills adapters with drill bit is to be provided along with the machine.weight of machine with battery-18.5Kg Make- Eibenstok, Bosch, KPTL.(Inspection Agency-Consignee)	Numbers	2.00	171260.24	342520.48
2	02	Execution of S & T work related to engineering block of CTR/TTR/TSR or others, in one block, five unskilled manpower have to be provided during block for S&T connection removing & refixing as per Railway site engineer instruction.(Inspection Agency-Consignee)	Job	100.00	2832.17	283217.00
3	03	Battery operated High performance LED area with 3000 lumens output light weight & unbreakable as per specification attached (1) Product specification M18 HAL -+ M18 NRG 502B (2) Article No. 493345123 (3) Battery compatibility all Milwaukee M18 Batteries (4) Battery capacity (Ah) 5.0 (5) Battery type Li ion (6) No of Battery charger supplied 01 No. (7) Full Battey charging time 59 min (8) Max light output 3000/1500/650 (9) Max run time battery 2/4/9 hr. (10) No. of batteries supplied 2 Nos. (11) Voltage (AC) (V) 220-240 (12) Voltage (DC) (V) 18 (13) Wight with battery pack (kg) 3 (14) One year onsite warranty, installation & training free of cost mak Eibenstock/Milwaukee or equivalent.(Inspection Agency-Consignee)	Numbers	4.00	44851.80	179407.20
4	04	Supply of AWS opto coupler card F1-F4 H1 type (SIEMENS DRG No-RSG/AWS/006 H1)(Inspection Agency-Consignee)	Numbers	10.00	15141.84	151418.40

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5	05	Modulator card suitable for Siemens make AWS. (Material required from OEM with duly certificate)(Inspection Agency-Consignee)	Numbers	50.00	2065.00	103250.00
6	06	"Euroload change over switch Havells make, suitable for existing LT panel installed for signalling power supply. Capacity - 200Amp or higher 415Volt 50 Hz S/C current 80kA Ref IS/IEC 60947-3(Inspection Agency-Consignee)"	Numbers	4.00	18500.00	74000.00
7	07	Tool bag for technician of S&T department as per specification and drawing attached as per Annexure-B(Inspection Agency-Consignee)	Numbers	200.00	452.82	90564.00
8	08	Supply of Surge Protection Device (Type I+II) for Single Phase with unique feature of Progressive Indication of the arrester. Iimp (10/3500s) (L-N) = 25 KA Iimp (10/3500s) (N-PE) = 52KA In (8/200s) (L-N) = 60KA In (8/200s) (N-PE) = 100KA Voltage Protection Level (L-N) with I (25KA) ; 1.25kV Voltage Protection Level (N-PE) ; 1.50kV Along with potential free contact for D/L wiring. Approval certificate from national/international labs like KEMA, VDE etc shall be submitted.It also includes installation as per requirement in supervision of OEM.(Inspection Agency-Consignee)	Numbers	5.00	20839.00	104195.00
9	09	Supply of Surge protection device type (I+II) for 3 phase with unique feature of progressive indication of the arrester Imp(10/350us) (L-N)=25 KA, Imp (10/350us) (N-PE) = 100 KA, In (8/20us) (L-N)= 60 KA, In(8/20us) (L-PE) = 100 KA Voltage protection level (L-N)with I (25KA) < 1.25 KV & (N-PE)<1.50 KV along with potential free contact for Datalogger wiring of make Phoenix contact, Zotup, FEEO. Approval certificate from national/international labs like KEMA, VDE etc shall be submitted.It also includes installation as per requirement in supervision of OEM.(Inspection Agency-Consignee)	Numbers	5.00	34928.00	174640.00
10	10	Repairing of location foundation with masonry work. This also includes cleaning the locations, sand filling in the location and plastering inside the location(Inspection Agency-Consignee)	Numbers	100.00	3657.50	365750.00
11	11	Casting of cement concrete to protect S&T equipments and laid cables, above pipes etc by concrete mixture of cement, sand, stone in the ratio of 1:2:4 using 25 mm graded stone aggregate as per instruction of site in charge of railways. Concrete is to be casted with the help of suitable size shuttering form as per site requirement. Concrete is to be cured for sufficient time as per standard practices on railways(Inspection Agency-Consignee)	cum	50.00	4218.06	210903.00
					Total	2079865.08
Schedule	Schedule C6-NON SOR ITEM					
Item- 01	SUPPLY & EXECUTION					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Fluke Hand Held 100 KHz Digital True RMS Multimeter Fluke 287 or Fluke 289(Inspection Agency-Consignee)	Numbers	5.00	73278.00	366390.00
2	02	Supply of GPS tagging featured cable route locator/tracer set suitable for detecting underground armoured optic fiber cable (OFC) and signaling cables with LCD Graphic Display active/passive modes and depth range. 3M-10m. Model STLOC10 GPS make Stanlay or equivalent. (Inspection Agency-Consignee)	Numbers	1.00	533116.35	533116.35
3	03	Supply of polyolefin cable channel 2434 with following dimensions, height (internal/external) 155/230mm x width 240mm/340 mm x length 1000mm with suitable detachable cover having fire protection class K1 in accordance with DIN 53438 part 2 and electrical characteristic Dielectric strength 48KV/cm in accordance with DIN VDE 0303-21 (As per annexure)for laying of all types of S&T cables. (Inspection Agency-RITES)	Metre	500.00	2594.40	1297200.00

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4	04	Supply of cable route marker as per RST/C/203 of FRP(Inspection Agency-Consignee)	Numbers	100.00	445.25	44525.00
5	05	Supply of DWC/HDPE pipe with one snap fit coupler 'O' ring confirming to IS 14930 (Part 2: 2001) Non metallic, normal duty, pliable with protection against chemical attack and fire resistant, anti rodent, in 6 meter length of size 50 mm inner dia.(Inspection Agency-Consignee)	Metre	300.00	389.76	116928.00
6	06	Casting of cement concrete to protect S&T equipments and laid cables, above pipes etc by concrete mixture of cement, sand, stone in the ratio of 1:2:4 using 25 mm graded stone aggregate as per instruction of site in charge of railways. Concrete is to be casted with the help of suitable size shuttering form as per site requirement. Concrete is to be cured for sufficient time as per standard practices on railways(Inspection Agency-Consignee)	cum	50.00	4818.71	240935.50
					Total	2599094.85

4. ELIGIBILITY CONDITIONS

Standard 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 tenderers shall submit requisite information as per ANNEXURE-XXXIII, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.	No	No	Allowed (Mandatory)

Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	a)The tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i)Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii)Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii)One similar work costing not less than the amount equal to 60% of advertised value of the tender.	No	No	Allowed (Mandatory)
1.1	Defination of Similar Work :- Trenching,Cable laying,Location and /or signal foundation/erection/termination/wiring in connection with any signalling work	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.
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.

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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	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	Tender document, Scope of work & GCC 2022 are attached with the tender.	No	No	Not Allowed

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I have read the entire tender document including uploaded documents.	No	No	Not Allowed
2	I/we have visited the site and I am/We are aware about site condition.	No	No	Not Allowed

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	If the tenderer want to submit any other documentary evidence in support of the offer like list of men, material, tools & plant availability etc.	No	Yes	Allowed (Optional)
2	Tenderer Remarks if any.	No	Yes	Allowed (Optional)
3	All the bidders/tenderers should ensure that they are GST complaint and their quoted tax structure/rates are as per GST LAW	Yes	Yes	Allowed (Optional)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TENDERDOC2024-022filesmerged.pdf	TENDER DOC

**MUMBAI-CST-DIVISION-S AND T/CENTRAL RLY
TENDER DOCUMENT**

Tender No: CR-BB-SnT-SOUTH-2024-02

Closing Date/Time: 26/08/2024 15:00

2	GCC_April-2022_2022_CE-I_CT_GCC-2022_POLICY.pdf	GCC 2022
3	CORRECTIONSLIP1GCC2022.pdf	GCC 2022 SLIP 1
4	CORRECTIONSLIP2GCC2022.pdf	GCC 2022 SLIP 2
5	CORRECTIONSLIP3GCC2022.pdf	GCC 2022 SLIP 3
6	CORRECTIONSLIP4GCC2022.pdf	GCC 2022 SLIP 4
7	CORRECTIONSLIP5GCC2022.pdf	GCC 2022 SLIP 5
8	CORRECTIONSLIP6GCC2022.pdf	GCC 2022 SLIP 6
9	CHECKLISTFORST.pdf	CHECK LIST

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: HITESH PATIDAR

Designation : DSTESouth