

**ASANSOL DIVISION-S AND T/EASTERN RLY
TENDER DOCUMENT**

Tender No: 41-SDSTE-ASN-2022-23

Closing Date/Time: 04/01/2023 12:00

SR DSTE/ER/ASN acting for and on behalf of The President of India invites E-Tenders against Tender No **41-SDSTE-ASN-2022-23** Closing Date/Time 04/01/2023 12:00 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	Asansol division: Rearrangement of signalling gears at Barakar and Routes of Starter Signals No. 79/81 for GRD Line.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	04/01/2023 12:00	Date Time Of Uploading Tender	07/12/2022 16:23
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	11711430.46	Tendering Section	S AND T
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	208600.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	0.00	Period of Completion	120 Days
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	21/12/2022	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-Rearrangement of signalling gears at Barakar							10529462.68	
1	Please see Item Breakup for details.				10529462.68	AT Par	10529462.68	
Description:- Rearrangement of signalling gears at Barakar								

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-Routes of starter signals no. 79/81 for GRD line							1181967.78	
1	Please see Item Breakup for details.				1181967.78	AT Par	1181967.78	
Description:- Routes of starter signals no. 79/81 for GRD line								

3. ITEM BREAKUP

Schedule	Schedule A-Rearrangement of signalling gears at Barakar					
Item- 1	Rearrangement of signalling gears at Barakar					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Supply of colour light signal post 4.6 mtrs. and ladder 4.5 mtrs. With bases for ladder and post as per RDSO SPEC. NO. IRS-S-6-81 and DRG. NO. SA-23153/ADV/AIT-1. All drawing should be as per latest. Note: - this includes signal post, base, ladder, ladder base, platform, rail guard & blanking off. Materials to be procured from approved list of firms for manufacturer & supply of mechanical signalling items. Inspection: Consignee	Numbers	6.00	13538.65	81231.90
2	2	Casting, concreting, curing, plastering of foundation for main signal as per Drg. No. S&T/C-42(NKG) with Cement, sand & Stone Chips in the ratio 1:3:6. All materials required for this purpose including holding down bolts, nuts, washer are to be supplied by the contractor. Materials to be inspected by Rly. Site Engineer before the work. The work will be executed as per instruction of Rly. site engineer.	Numbers	6.00	8044.09	48264.54

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3	3	Supply of CLS (colour light signal) unit 2 Aspect complete without lens, lamps and signal transformer as per Drg. No. SA 23003/A/M(ADV.) or latest and as per Spec. no IRS:S-26/64 or latest (Materials to be procured from RDSO approved firm).(Signal unit to be compatible to LED lighting unit). Inspection: Consignee.	Numbers	6.00	17836.24	107017.44
4	4	Installation, erection and wiring of CLS 2 aspect unit, post, ladder & base complete including paying out of tail cable from location box and earthing of CLS as per Rly. site engineer. Note:- This includes installation, erection & wiring of signal unit includes fixing, wiring of LED signal lighting unit, current regulator and this also includes protection of unit from rain water. For Installation, erection and wiring all materials including nuts, bolts to be supplied by contractor except Signal post, ladder, base, unit, earth pipe & LED lighting unit. Signal post, ladder, base, unit, LED lighting unit will be supplied by Rly.	Numbers	6.00	1835.76	11014.56
5	5	Supply of position light shunt signal unit without base, post, without lamps, lense, compatible to fit shunt LED lighting unit as per RDSO Drg. No. SA 23840/Adv. or latest. (Materials to be procured from RDSO approved firm.) Inspection: Consignee.	Numbers	6.00	5637.85	33827.10
6	6	Installation, erection, wiring of dependent position light Shunt signal including paying out of tail cable from location box. Note:- this includes wiring of LED lighting unit. For Installation, erection and wiring all materials, including nuts, bolts to be supplied by contractor except shunt signal unit, offset bracket & LED lighting unit, which will be supplied by Rly.	Numbers	6.00	513.64	3081.84
7	7	Supply of cast iron offset bracket for mounting of dependent position light shunt signal unit alongwith supply of 'U'clamps, nuts, bolts, washers complete as per RDSO Drg. No. SA-23080/ADV/Alt-1 or latest and as per specification no.IRS:S-10/78.or latest. Inspection: Consignee.	Numbers	6.00	1998.91	11993.46
8	8	Supply of red aspect main colour light signal LED lighting unit compatible with LED ECR as per RDSO Spec. No. RDSO/SPN/199/2010, Rev1.1 or latest. Inspection: RDSO	Numbers	10.00	8484.20	84842.00
9	9	Supply of Yellow aspect main colour light signal LED lighting unit compatible with LED ECR as per RDSO Spec. No. RDSO/SPN/199/2010, Rev1.1 or latest. Inspection: RDSO	Numbers	10.00	8488.13	84881.30
10	10	Supply of Shunt LED signal lighting unit as per RDSO Spec. No. RDSO/SPN/153/2011, Rev.4.1 or latest. Material to be procured from RDSO approved firm. Inspection : RDSO	Numbers	15.00	5821.33	87319.95
11	11	Supply of Q-Series Neutral Line Relay (QN1 Type), 8F/8B, 24V DC complete with plug board(base plate), connectors and retaining clips etc and conforming to BRS- 930 and RDSO Specn.No.IRS:S-34 & S-23 with Amdt. upto date as applicable or latest. The interlocking code for this unit shall be "ABCDF". Inspection authority:- RDSO	Numbers	50.00	3791.34	189567.00
12	12	Supply of Q-Series Neutral Line Relay (QN1 Type), 12F/4B, 24V DC complete with plug board(base plate), connectors and retaining clips etc and conforming to BRS-930 and RDSO Specn.No.IRS:S-34 & S-23 with Amdt. upto date or latest. The interlocking code for this unit shall be "ABCDE". Inspection authority:- RDSO	Numbers	30.00	3685.53	110565.90
13	13	Supply of Q-Series Magnetically Latched Neutral Line Relay (QL1 Type), 11F/4B,24V DC complete with plug board(base plate), connectors and retaining clips and conforming to BRS-935A and RDSO Specn.No.IRS:S-34 & S-23with amdt. upto date as applicable or latest.The interlocking code for this unit shall be "ABDEG".Inspection authority:- RDSO	Numbers	20.00	5801.67	116033.40

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14	14	Supply of Q-Series Line Relay (QNA1 Type),AC immunized, 8F/8B, 24 V DC along with plug board (base plate), connectors, retaining clips etc and conforming to BRS-931A and RDSO Specn.No.IRS:S@45"44@ S-23 and S-60 or latest. The interlocking code for this unit shall be "ABDGH". Inspection authority:- RDSO	Numbers	10.00	3901.08	39010.80
15	15	Supply of uncharged Low Maintenance Lead Acid (LMLA) secondary cell 2V/200AH , shelf mounting type conforming to RDSO Specn.No.IRS:S-88/2004 or latest with inter cell connectors, nuts and bolts etc. Inspection: Consignee	Numbers	220.00	5082.03	1118046.60
16	16	Charging of lead acid cell (Secondary cell) of 2V/200AH as per Manufacturer's/Railway engineer's instruction. Acid and distilled water to be supplied by the contractor. Specific gravity acid should be approved type duly inspected by consignee. This includes installation and commissioning of battery in circuit.	Numbers	220.00	985.59	216829.80
17	17	Supply of underground, unscreened, PVC insulated, PVC inner sheathed armoured and PVC outer jacket railway signalling cable with high conductivity copper conductor of size 12 core x 1.5 sq mm as per Specn. No. IRS:S-63/2014(Rev. 4.0) or latest. Inspection : RDSO	Kilometre	12.00	215871.56	2590458.72
18	18	Supply of underground, unscreened, PVC insulated, PVC inner sheathed armoured and PVC outer jacket railway signalling cable with high conductivity copper conductor of size 6 core x 1.5 sq mm as per Specn. No. IRS:S-63/2014(Rev. 4.0) or latest. Inspection : RDSO.	Kilometre	2.00	121864.86	243729.72
19	19	Supply of PVC insulated Railway Signaling multi-core Indoor Cable 60core (0.6mm dia) conforming to IRS:76/89(Amd3) or latest. Inspection : RDSO.	Kilometre	2.00	147469.00	294938.00
20	20	Excavation of trench in all kinds of soil (1.0 mtr. Depth 300 mm width) and refilling of the trench without Bricks and final back filling, ramming and consolidation of soil as well as the disposal of the soil, if any. Note: Payment will be made as per actual work done on pro-rata basis, if the required depth is not available at site. If the depth of trench is not uniform in a span of 100 mtr. of shorter lengths along the cable run, minimum depth will be taken for that particular stretch for payment. Prior permission should be taken before laying of cable if the depth of trenching is less than 1.0 Mtr. Inspection: Consignee.	Kilometre	5.00	55235.00	276175.00
21	21	Laying of signalling cable of various core sizes as per cable route and cable core plan approved by Railway and meggering of all main & Tail cables. The work to be done as per instruction of Rly. site engineer. Note: All materials (except cable) required for the execution of the work shall be supplied by the contractor.	Kilometre	14.00	7554.71	105765.94
22	22	Excavation of trench(1.0 mtr. depth from bottom of rail), earth work and re-instatement of track while track crossing for laying of cables. This work to be done as per instruction of Rly. Site engineer. All materials (except cable, GI Pipe) required for the execution of the work shall be supplied by the contractor. Note: If required depth can not be achieved at particular location, then alternative location to be selected as per instruction of Rly. site engineer	Metre	50.00	83.25	4162.50
23	23	Fixing, installation of GI pipe with threaded collar of 100 mm nominal bore perforated of required length on bridge, below road/LXing/ track, on wall or at other site and laying of signalling cable/rod through it with supply of necessary materials as required for execution of this work. The work to be done as per instruction of Rly. site engineer.	Metre	50.00	98.00	4900.00

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24	24	Supply of Earth Electrodes mild steel galvanized , light class , as per Specification No. IS:1239(Part-I)-1979 and as per Drg. No. S&T-1/2007. Earth electrode pipe should be 3 mm thick, 50 mm dia. And perforated (staggered) with 5 mm dia holes at 2 nos. per 305 mm length with clamp of MS flat (galvanised) of size 35 mm x 6mm (Spec. No. 226 STD.). Earth pipe should include CI threaded cap. Inspection: Consignee.	Numbers	10.00	1466.50	14665.00
25	25	Supply of MS flat (SPEC. NO. 226 STD or latest) of size 35 mm x 6 mm with length 5 mtr with holes of 12 mm dia at both ends as per CSTE/ER'S DRG. NO. S&T-1/2007 (or latest). Inspection : by consignee.	Numbers	10.00	842.48	8424.80
26	26	Fixing of earth electrode including laying and installation of MS flat of size 35 mm x 6 mm with length 5 mtr or as per extant practice of Eastern Railway. As per CSTE/ER'S DRG. NO. S&T 1/2007 for apparatus cases, signal post & other equipment as per instruction of site engineer. Provision for fixing MS flat at apparatus cases/ signal post/other equipment should be made by the firm at site. Full threaded bolts of 10 mm dia and length 40 mm should be welded in the apparatus cases in such way that the MS flat at apparatus case end can be fixed from outside or from inside. Welding arrangement with accessories and welding materials should be arranged by the contractor for fixing of bolts at equipment end where required as per instruction of site engineer. All hardware and other miscellaneous materials required for installation to be supplied by the contractor except earth electrodes and MS flat. Note:-all materials required to be arranged by the contractor.	Numbers	10.00	1158.81	11588.10
27	27	Provision of cement concrete enclosure for earth electrodes as per DRG. NO. SK/1/95(NKG). This includes supply of all materials by the contractor. The work to be done as per instruction of Rly.Site engineer.	Numbers	10.00	570.04	5700.40
28	28	Supply of basic material to construct unit maintenance free earth as per RDSO Specs. No RDSO/SPN/197 Ver.1.0 or latest and conforming to RDSO Drg. No. SDO / RDSO/ E&B/001 or Latest. Necessary testing certificate of UL ,IEC to be produced. It consist of following: (a) Copper bonded steel electrode of 3.0 m long, 17.2 mm dia with copper bonding thickness of minimum macrons and UL listed and marked = 1 no. (b) Earth enhancement material supplied in sealed bags of minimum 10 kg = 3 nos. © Copper strip of 150x25x6 mm, to terminate earth rod = 1 no. (d) Copper strip of 300x25x6 mm (MEEB) = 1 no. (e) Copper strip of 150x25x6mm (SEEB) = 1 no. (ii) Supply of 35 sq. mm multi strand single core PVC insulated copper cable as per IS: 694 for connecting main earth electrode to MEEB in the equipment room in duplicate.(minimum 10 meter) (iii) Supply of 16 sq. mm multi strand single core PVC insulated copper cable as per IS: 694 for connecting MEEB to SEEB and SPD to MEEB (minimum 10 meter) (iv) Supply of 10 sq. mm multi strand single core PVC insulated copper cable as per IS: 694 for connecting various equipments to SEEB (v) Supply of copper lug sleeve for 3/16 cable Inspection: RDSO	Lot	4.00	17530.73	70122.92

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29	29	Installation of Unit Maintenance Free Earth as supplied in above item.It includes (i) Digging the earth to the required depth. (ii) Insertion of electrode. (iii) Filling of earth enhancing compound (Approx.30 Kg) (iv) Provision of exothermic weld connections to copper tape of 25 mm x 6 mm x 150 mm to the earth electrodes. All material tools and features required for weld will be arranged by contractor. (v) This also includes CC cover 1.5 ft x 1.5 ft. 1 ft wall thickness 2 inch with cover 3 inch thickness. Cables 35 Sq mm/ 16 Sq mm/10 sq mm for connecting earth to busbar, busbar to busbar and busbars to various equipments. Earth electrode of 17.20 mm dia and 3.00 meter long high tensile low carbon steel circular rods molecularly bonded with copper and outer surface (minimum copper bonding thickness of 250 micrones to made requirement of under writer's laboratories (UL) 467-2007 or latest. Copper strips of 150 mm x 25 mm x 6 mm to be welded with each earth electrode, copper strips of 300 mm x 25 mm x 6 mm for main equip- potential busbar, copper strips of 150 mm x 25 mm x 6 mm sub equip-potential busbar in relay room, power room and panel room. GI strip 25 mm x 2 mm for ring formation of earth pits Earth enhancement material in bags for each Earth Electrode. Inspection chamber of site 300 mm x 300 mm x 300 mm (Inside dimension) of approximate 50 mm thick with pulling hooks to cover the earth pits. Note: The installation of this item shall be carried out by the contractor as per RDSO Specs. No RDSO/SPN/197 Ver.1.0 or latest and conforming to RDSO Drg. No. SDO / RDSO/ E&B/001 or Latest Inspection: Consignee	Set	4.00	5882.00	23528.00
30	30	Supply of PVC insulated multi strand, single core copper conductor of size 16/0.2 mm (0.5sqmm) as per IS 694:2010 and RDSO Specn.No.IRS:S-76/89 (Amnd-3) or latest. Each coil should be of 100/200/500 meters length. Inspection: Consignee	Kilometre	5.00	5113.33	25566.65
31	31	Supply of PBT ARA terminal 6 way block as per IRS SPECN.NO. IRS:S-75-2006(REV-2) or latest. Material to be procured from RDSO's approved firm only. Inspection: RDSO.	Numbers	150.00	361.00	54150.00
32	32	Supply of Tag block 200 way/160 way with PVC covers as per (IRS: S-77/2006 (Rev.1) or latest & Drg.no.SA-24751 & 52. .Requirement of each type shall be specified by Engineer-in-charge. NOTE: In case ABB type relays proposed to be used with 100 way block then Two 100 way Tag Block will be consider as one 200 way Tag Block. Inspection: Consignee	Numbers	2.00	1414.88	2829.76
33	33	Supply of Hylum sheet of size 950mm X 75mm X 12mm. Inspection: Consignee	Numbers	25.00	352.53	8813.25
34	34	Supply of full size apparatus case (GKP type) (as per DRAWING NO. SW SK NO. 4/90 & other applicable GKP SW Drawing).This includes supply of full size location box (GKP type) with 'E' type lock & key, fitted on location door on both side, E Type lock (ward No will be specified by Engineer-in Charge) as per RDSO Drg. No. SA 3376 and Key to Drg. No. 3377 as per RDSO drawing No. RDSO/S-11500. Inspection: Consignee . Material to be procured from recommended list of firms for mechanical signalling items.	Numbers	4.00	13884.49	55537.96

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35	35	Casting, concreting and curing of concrete foundation((in ratio 1:3:6), erection and installation of full size apparatus case (GKP type) Apparatus Case as per DRG.NO. S&T/C-6/98(NKG) on CC foundation . This includes cost of all materials required for fixing holding down bolts, casting, concreting. Note: - bolts, nuts and washers, to be supplied by contractor. This also includes bottom of apparatus cases filled with sand and the outside covered with masonry work and neat cement plastering. Note: - Location boxes to painted with anti-corrosive paints (Asian paint/Berger/Shalimar)as per IS:- 9862-1981, one and half feet from the bottom, on all surfaces-both inside and outside. Inspection: Consignee	Numbers	4.00	3552.76	14211.04
36	36	Fixing of slotted angle, bakelite strip, hylam sheet, fixing and wiring of terminals, relays, fuse with Base, hylum strip etc. and fixing of hard wood shelves in full size steel Apparatus cases (location box) with termination, dressing &bunching of cables/wires ,earthling of cables and wiring with necessary lettering as required including supply of wires, slotted angles, ferrules for marking, misc. materials as required per location box to be supplied by contractor . All materials except relay,terminal strips, bakelite strip, fuses with base, charger, D type resistance, B type choke, battery and hard wood shelves to be supplied by the contractor. Wires to be to be used for this purpose should be procured from RDSO approved firm. NOTE: All locations to be provided with lamp/ holder, switch for lighting as desired by Site Engineer. This should include all terminations of cable complete. Cable conductors are to be terminated with proper lugs and required buss bar, other terminals to be supplied by the contractor. Inspection: Consignee.	Numbers	4.00	4817.71	19270.84
37	37	Supply of H.S.S. Drill twist for single groove 7.14 mm dia. Spec. IS:519/DIN: 338/ISO. Make: JK/IT/BOSCH/ADDISSION. Inspection: Consignee	Numbers	130.00	175.00	22750.00
38	38	Supply of fuse, non-deteriorating(2A/6A/10A/16A) type, cylindrical(IRS-S-78/92) [quantity as per Rly. Engineer]. Inspection: RDSO	Numbers	100.00	47.67	4767.00
39	39	Supply of fuse base (PBT) to spec.no.IRS-S-75/2006(REV-2) or latest,DRG.NO.SA-23748 . Inspection: -RDSO.	Numbers	20.00	138.02	2760.40
40	40	Supply of relay rack to accommodate 100 relays complete with fittings as per DRG.NO.S&T/C-20/2001. Inspection: Consignee	Numbers	2.00	24300.03	48600.06

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41	41	Erection, Installation , wiring of relay rack as per instruction of Rly site engineer and as per Drg. No. S&T/C/20/2001(modified). This work includes supply of fuse block with fuse, bus bar, PBT terminal /Tag blocks, resistance, diodes, condensers, PVC wire as per RDSO Spec. No. IRS-S-76/89(Amd-3) or latest (for wiring/inter-wiring of relay racks, CTRs, tagblocks) hylum sheet and other scaffolding materials to be supplied by contractor as per requirement. PBT terminals, PBT fuse block, PVC wire to be procured from RDSO approved firm. This work includes fixing of relays with base , interconnection wiring with ladder arrangement of relay rack and complete wiring of relays by soldering/termination of wire at relay base as per wiring diagram and fixing of fuse block, diodes, resistance, condensers, terminal blocks, bus bars and other equipments required for the approved system design complete with supply of erection materials. This also includes laying , dressing of cables, wires for relay rack, CTR, panel, IPS/power equipment with supply of thread, wire guide, ladder guide , masonry materials and reinstatement of floor, wall as per requirement. This includes status of relay to be indicated through LED indication on top of rack, lettering of each relay on rack strip and lettering/numbering of terminals, fuse for circuit used in brief. Rack to be fixed on rubber pad. Ladder arrangement to be done from relay rack, panel, IPS/power equipment as per requirement. Ladders and its accessories for this work to be supplied & fixed by contractor.	Numbers	2.00	79017.36	158034.72
42	42	Alteration work of control cum indication panel to suit approved panel face diagram. All materials to be supplied by the contractor required for this work. This work includes laying ,termination of cable/wire from relays/CTR to panel and necessary lettering in panel. Cables/Wires required for this purpose to be procured from RDSO approved firm. Inspection: Consignee	Numbers	2.00	38936.90	77873.80
43	43	Modification, alteration of existing datalogger to suit the alteration work as per advice of Rly. Site engineer. This work includes validation, changes of NMDL software, wiring etc.. For this work necessary wire from relay to tagblock & from tagblock to data logger, tagblock, terminal , soldering material etc. to be supplied by contractor. Wire to be procured from RDSO approved firm and to be inspected by consignee. This modification to be done by engineer/representative of OEM of data logger.	Set	2.00	47254.25	94508.50
44	44	Supply , installation , commissioning of SSDAC (2DP 1 section) phase reversal type as per RDSO Spec. No. RDSO/SPN/177/2012, Version 3.0 or latest with 15 mtr. length of cable for each track device and with tool kit for each set. Supply Inspection: RDSO. Installation & commissioning to be done by Engineer of OEM.	Set	5.00	624702.86	3123514.30
45	45	supply of modem card for CEL make SSDAC 710P as per RDSO Spec. No. RDSO/SPN/177/2012, Version 3.0 or latest. Inspection : RDSO	Numbers	8.00	35528.95	284231.60

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46	46	Design of circuits in connection with preparation of wiring diagrams as per approved Signalling Plan and submission of indoor as well as outdoor completion documents for alteration work. Two copies of prints with soft copy will be submitted to Railway for checking. If alterations are suggested/proposed by Railways then again two copies of prints will be submitted for advance approval after carrying out all the alterations as suggested/proposed by the Railways. Tracings will be submitted for all the diagrams mentioned above for the purpose of approval by Railway prior to commissioning of station. All drawings will be prepared in CAD. The wiring diagrams will consist relay rack analysis, relay contact analysis, fuse details. Tag block analysis etc. A separate CD/Pen drive will be submitted to Railway for each station along with original tracings. It also includes preparation and supply of laminated one set of all completion plans including circuit diagrams and indoor as well as outdoor completion documents on standard 75-micron polyester film for station in Auto CAD. 6 (Six) sets xerox copies will be submitted for each of the documents mentioned below: Cable Route Plan, Cable Core Chart, Location details plan for all the locations, Cable termination details, Signalling Plan, SWR Diagram, Wiring Diagrams, Selection Table, Locking Table, Contact Analysis, Fuse and Tag Block Analysis of Relay Rack and CT Rack, Control Cum Indication Panel diagram, Rack Erection Plan and Junction Box details etc. Note: Total cost of design and completion documents for a station/yard will be calculated on basis of total possible movements/routes as per Selection Table (ST).	Station	1.00	58763.34	58763.34
47	47	Carrying out relay alteration to the existing relay wiring at relay rack/location box as per the approved circuit diagram. These work includes the releasing of existing unused wires and wiring the relays using 16/0.2 mm copper wire as per RDSO Spec. Wire to be procured from RDSO's approved source.	Numbers	150.00	269.57	40435.50
48	48	Testing & commissioning of interlocking arrangement complete with signals. Testing shall be carried out by the Rly. Engineer with the help of representative of contractor to ensure compliance of SEM, RE manual & Guide lines issued by Railway authority / Railway board / RDSO. This also includes complete painting (of indoor S&T equipments) , lettering, earth testing related to this work. For testing, if required simulation test board to be done and phase testing may be done as & when necessary before testing of whole interlocking arrangement.	Station	1.00	65783.89	65783.89
49	49	For NI work, Preparation of temporary goomty with sitting arrangement, lighting arrangement , communication - provision of communication facility, during non interlocked period and provision of temporary goomties- 4 nos. , chair 12 nos. table 4 nos. for operational facility during NI period. All required materials to be arranged by the contractor for the work as per Rly. Site engineer. All required materials to be supplied by the contractor on hiring basis along with lighting arrangement at temporary goomty and at yard, site as per site engineer.	Day	2.00	15129.75	30259.50

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50	50	Supply, Fabrication and Fixing of Retro reflective Nomenclature Board of size 254 mm x 358 mm made of 2mm thick aluminium sheet & high intensity prismatic (hip) grade retro reflective sheet (TYPE -IV) including fixing arrangement for fixing them on existing post as per DRG. NO. S&T/SDAH/SK-1386 and as per standard practice. Inspection: Consignee NOTE: This work includes complete fixing of board with supply of nuts & bolts, other materials and dismantling of existing old board. Letter shall be of black colour in the white background with red arrow mark wgere required and details of lettering description shall be given by Rly. site engineer. Inspection :Consignee.	Numbers	20.00	385.00	7700.00
51	51	Supply of SLB/BSLB/SB/WB/Stop board as per RDSO DRG NO. SA-2375 (ADV.) (with latest amdt.) for SLB/BSLB and as per RDSO DRG NO. 7235/B (WITH latest amdt.) for SB/WB/Stop Board. Inspection: Consignee	Numbers	50.00	1127.07	56353.50
52	52	Casting, concreting and curing of foundation (1:3:6) and erection of SLB/BSLB/SB/WB/Stop board as per DRG. NO S&T/C@47"40@NKG) all materials required for the work including cement, casting materials , post, clamps, nuts, bolts etc. to be supplied by the contractor.	Numbers	50.00	4823.19	241159.50
53	53	Supply and installation of P/ C / G/ A/ AG marker(size 250mm dia circle) high intensity prismatic(HIP) grade retro reflective sheet (type- IV) over 2 mm thick alluminium sheet & letter will be screen printing (250 mm dia circle) as per drg. S&T/SDAH/SK-1382-85 and technical specification attached. This will include cost of all materials including fixing clamp, nuts, bolts etc. required for this work and dismantling of existing old marker. Colour, font of lettering, background & details of lettering shall be given by Rly. site engineer. This work to be done as per instruction of Rly. site engineer.. Inspection : Consignee.	Numbers	60.00	548.39	32903.40
54	54	Cutting the masonry wall at locations indicated by Rly. site engineer and repairing of wall with brick/sand & cement/tiles/white washing/painting after laying of cable as per instruction of Rly. site Engineer. All required materials for this purpose to be supplied by contractor.	Job	4.00	249.37	997.48
					Total	10529462.68
Schedule	Schedule B-Routes of starter signals no. 79/81 for GRD line					
Item- 1	Routes of starter signals no. 79/81 for GRD line					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Supply of colour light signal post 3.6 mtrs. and ladder 3.5 mtrs. with bases for ladder and post as per RDSO SPEC. NO. IRS-S-6-81 and DRG. NO. SA-23150/ADV/AIT-1 or latest. CLS base as per Drg. No. S-2011/M or latest.. Note: - this includes signal post, base, ladder, ladder base, platform, rail guard & blanking off. Materials to be procured from approved list of firms for manufacturer & supply of mechanical signalling items. Inspection: Consignee	Numbers	2.00	12672.47	25344.94
2	2	Casting, concreting, curing, plastering of foundation for main signal as per Drg. No. S&T/C-42(NKG) with Cement, sand & Stone Chips in the ratio 1:3:6. All materials required for this purpose including holding down bolts, nuts, washer are to be supplied by the contractor. Materials to be inspected by Rly. Site Engineer before the work. The work will be executed as per instruction of Rly. site engineer.	Numbers	2.00	8044.09	16088.18
3	3	Supply of CLS (colour light signal) unit 2 Aspect complete without lens, lamps and signal transformer as per Drg. No. SA 23003/A/M(ADV.) or latest and as per Spec. no IRS:S-26/64 or latest (Materials to be procured from RDSO approved firm).(Signal unit to be compatible to LED lighting unit). Inspection: Consignee.	Numbers	2.00	17836.24	35672.48

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4	4	Installation, erection and wiring of CLS 2 aspect unit, post, ladder & base complete including paying out of tail cable from location box and earthing of CLS as per Rly. site engineer. Note:- This includes installation, erection & wiring of signal unit includes fixing, wiring of LED signal lighting unit, current regulator and this also includes protection of unit from rain water. For Installation, erection and wiring all materials including nuts, bolts to be supplied by contractor except Signal post, ladder, base, unit & LED lighting unit. Signal post, ladder, base, unit, LED lighting unit will be supplied by Rly.	Numbers	2.00	1835.76	3671.52
5	5	Supply of position light shunt signal unit without base, post, without lamps, lense, compatible to fit shunt LED lighting unit as per RDSO Drg. No. SA 23840/Adv. or latest. (Materials to be procured from RDSO approved firm.) Inspection: Consignee.	Numbers	2.00	5637.85	11275.70
6	6	Supply of cast iron offset bracket for mounting of dependent position light shunt signal unit alongwith supply of 'U'clamps, nuts, bolts, washers complete as per RDSO Drg. No. SA-23080/ADV/Alt-I or latest and as per specification no.IRS:S-10/78.or latest. Inspection: Consignee.	Numbers	2.00	1998.91	3997.82
7	7	Installation, erection, wiring of dependent position light Shunt signal including paying out of tail cable from location box. Note:- this includes wiring of LED lighting unit. For Installation, erection and wiring all materials, including nuts, bolts to be supplied by contractor except shunt signal unit, offset bracket & LED lighting unit, which will be supplied by Rly.	Numbers	2.00	513.64	1027.28
8	8	Supply of 1 way junction type route indicator as per RDSO Drg.. NO. SA-23401 (ADV)/ ALT.2. without lamp, lamp holder,Lenses, signal transformer. Material to be procured from RDSO approved firm. Note:- signal unit should be compatible to LED signal lighting unit. Inspection: Consignee.	Numbers	2.00	19835.94	39671.88
9	9	Supply of cast iron offset bracket for main signal unit alongwith supply of 'U'clamps, nuts, bolts, washers complete as per RDSO Drg. No. SA-23080/ADV/Alt-I or latest and as per specification no.IRS:S-10/78 or latest. Inspection: Consignee.	Numbers	2.00	2506.89	5013.78
10	10	Installation, erection, fixing, wiring of 1 way junction type route indicator with fixing, wiring of LED lighting unit & including paying out of tail cable from location box and earthing as per instruction of Rly. site engineer. Note:- This includes installation, erection , fixing & wiring of route indicator includes fixing, wiring of LED lighting unit. For Installation, erection and wiring all materials, including nuts, bolts to be supplied by contractor except route indicator & LED lighting unit, which will be supplied by Rly. This also includes protection of unit from rain water.	Numbers	2.00	828.40	1656.80
11	11	Supply and fixing of protective screen of expanded metal 12 SWG of size 1200 x 1500 mm on signals as per std. practice in RE Area. Al materials, nuts , bolts , angle etc. required to be supplied by contractor Inspection: Consignee.	Numbers	2.00	3513.52	7027.04

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12	12	Supply, Fabrication and Fixing of Retro reflective Nomenclature Board of size 254 mm x 358 mm made of 2mm thick aluminium sheet & high intensity prismatic (hip) grade retro reflective sheet (TYPE -IV) including fixing arrangement for fixing them on existing post as per DRG. NO. S&T/SDAH/SK-1386 and as per standard practice. Inspection: Consignee NOTE: This work includes complete fixing of board with supply of nuts & bolts, other materials and dismantling of existing old board. Letter shall be of black colour in the white background with red arrow mark where required and details of lettering description shall be given by Rly. site engineer. Inspection :Consignee.	Numbers	2.00	385.00	770.00
13	13	Supply of Q-Series Neutral Line Relay (QN1 Type), 8F/8B, 24V DC complete with plug board(base plate), connectors and retaining clips etc and conforming to BRS- 930 and RDSO Specn.No.IRS:S-34 & S-23 with Amdt. upto date as applicable or latest. The interlocking code for this unit shall be "ABCDF". Inspection authority:- RDSO	Numbers	30.00	3791.34	113740.20
14	14	Supply of Q-Series Neutral Line Relay (QN1 Type), 12F/4B, 24V DC complete with plug board(base plate), connectors and retaining clips etc and conforming to BRS-930 and RDSO Specn.No.IRS:S-34 & S-23 with Amdt. upto date or latest. The interlocking code for this unit shall be "ABCDE". Inspection authority:- RDSO	Numbers	20.00	3685.53	73710.60
15	15	Supply of Q-Series LED ECR (Universal Type i.e.QECX-61), 4F/4B complete with plug board(base plate), connectors, retaining clips etc and conforming to BRS:941A STS/E/RELAYS/AC LIT LED SIGNAL/09-2002 ,Amdt.-1 and RDSO Specn.No.IRS:S-34 & S-23 with amdt. upto date as applicable or latest. The interlocking code for this unit shall be "ABDHK". Inspection authority:- RDSO	Numbers	10.00	4983.53	49835.30
16	16	Supply of Q-Series Line Relay (QNA1 Type),AC immunized, 8F/8B, 24 V DC along with plug board (base plate), connectors, retaining clips etc and conforming to BRS-931A and RDSO Specn.No.IRS:S@45"44@ S-23 and S-60 or latest. The interlocking code for this unit shall be "ABDGH". Inspection authority:- RDSO	Numbers	10.00	3901.08	39010.80
17	17	Supply of Q-Series Magnetically Latched Neutral Line Relay (QL1 Type), 11F/4B,24V DC complete with plug board(base plate), connectors and retaining clips and conforming to BRS-935A and RDSO Specn.No.IRS:S-34 & S-23with amdt. upto date as applicable or latest.The interlocking code for this unit shall be "ABDEG".Inspection authority:- RDSO	Numbers	20.00	5801.67	116033.40
18	18	Supply of Relay DC polarised 3- Position, 77 ohms, 1N/1R contacts, metal to metal centre biased armature conforming to IRS:S-31-80(AMD-1), IRS-S- 34 AND IRS-S-23(specification with amdt. Up to date as applicable). Inspection authority:- RDSO	Numbers	18.00	6459.80	116276.40
19	19	Carrying out relay alteration to the existing relay wiring at relay rack/location box as per the approved circuit diagram. These work includes the releasing of existing unused wires and wiring the relays using 16/0.2 mm copper wire as per RDSO Spec. Wire to be procured from RDSO's approved source.	Numbers	100.00	269.57	26957.00
20	20	Supply of PVC insulated multi strand, single core copper conductor of size 16/0.2 mm (0.5sqmm) as per IS 694:2010 and RDSO Specn.No.IRS:S-76/89 (Amnd-3) or latest. Each coil should be of 100/200/500 meters length. Inspection: Consignee	Kilometre	2.00	5113.33	10226.66
21	21	Supply of PBT ARA terminal 6 way block as per IRS SPECN.NO. IRS:S-75-2006(REV-2) or latest. Material to be procured from RDSO's approved firm only. Inspection: RDSO.	Numbers	20.00	361.00	7220.00

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22	22	Alteration/modification in the existing location boxes (full size). This works includes fixing of equipment's, cable insertion, termination, wiring, testing & commissioning, two coat painting, lettering to suit the circuits as per approved wiring diagrams. This includes filling with sand and plastering the same.	Numbers	2.00	2687.65	5375.30
23	23	Supply of fuse, non-deteriorating(2A/6A/10A/16A) type, cylindrical(IRS-S-78/92) [quantity as per Rly. Engineer]. Inspection: RDSO	Numbers	100.00	47.67	4767.00
24	24	Supply of fuse base (PBT) to spec.no.IRS-S-75/2006(REV-2) or latest,DRG.NO.SA-23748 . Inspection: -RDSO.	Numbers	20.00	138.02	2760.40
25	25	Supply of relay rack to accommodate 100 relays complete with fittings as per DRG.NO.S&T/C-20/2001. Inspection: Consignee	Numbers	1.00	24300.03	24300.03
26	26	Erection, Installation , wiring of relay rack as per instruction of Rly site engineer and as per Drg. No. S&T/C/20/2001(modified). This work includes supply of fuse block with fuse, bus bar, PBT terminal /Tag blocks, resistance, diodes, condensers, PVC wire as per RDSO Spec. No. IRS-S-76/89(Amd-3) or latest (for wiring/inter-wiring of relay racks, CTRs, tagblocks) hylum sheet and other scaffolding materials to be supplied by contractor as per requirement. PBT terminals, PBT fuse block, PVC wire to be procured from RDSO approved firm. This work includes fixing of relays with base , interconnection wiring with ladder arrangement of relay rack and complete wiring of relays by soldering/termination of wire at relay base as per wiring diagram and fixing of fuse block, diodes, resistance, condensers, terminal blocks, bus bars and other equipments required for the approved system design complete with supply of erection materials. This also includes laying , dressing of cables, wires for relay rack, CTR, panel, IPS/power equipment with supply of thread, wire guide, ladder guide , masonry materials and reinstatement of floor, wall as per requirement. This includes status of relay to be indicated through LED indication on top of rack, lettering of each relay on rack strip and lettering/numbering of terminals, fuse for circuit used in brief. Rack to be fixed on rubber pad. Ladder arrangement to be done from relay rack, panel, IPS/power equipment as per requirement. Ladders and its accessories for this work to be supplied & fixed by contractor.	Numbers	1.00	79017.36	79017.36
27	27	Modification, alteration of existing datalogger to suit the alteration work as per advice of Rly. Site engineer. This work includes validation, changes of NMDL software, wiring etc.. For this work necessary wire from relay to tagblock & from tagblock to data logger, tagblock, terminal , soldering material etc. to be supplied by contractor. Wire to be procured from RDSO approved firm and to be inspected by consignee. This modification to be done by engineer/representative of OEM of data logger.	Numbers	1.00	47254.25	47254.25

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28	28	Design of circuits in connection with preparation of wiring diagrams as per approved Signalling Plan and submission of indoor as well as outdoor completion documents for alteration work. Two copies of prints with soft copy will be submitted to Railway for checking. If alterations are suggested/proposed by Railways then again two copies of prints will be submitted for advance approval after carrying out all the alterations as suggested/proposed by the Railways. Tracings will be submitted for all the diagrams mentioned above for the purpose of approval by Railway prior to commissioning of station. All drawings will be prepared in CAD. The wiring diagrams will consist relay rack analysis, relay contact analysis, fuse details. Tag block analysis etc. A separate CD/Pen drive will be submitted to Railway for each station along with original tracings. It also includes preparation and supply of laminated one set of all completion plans including circuit diagrams and indoor as well as outdoor completion documents on standard 75-micron polyester film for station in Auto CAD. 6 (Six) sets xerox copies will be submitted for each of the documents mentioned below: Cable Route Plan, Cable Core Chart, Location details plan for all the locations, Cable termination details, Signalling Plan, SWR Diagram, Wiring Diagrams, Selection Table, Locking Table, Contact Analysis, Fuse and Tag Block Analysis of Relay Rack and CT Rack, Control Cum Indication Panel diagram, Rack Erection Plan and Junction Box details etc. Note: Total cost of design and completion documents for a station/yard will be calculated on basis of total possible movements/routes as per Selection Table (ST).	Station	1.00	58763.34	58763.34
29	29	Supply of Double Wall Corrugated (DWC)-HDPE pipe/duct of size 200 mm outer dia, & 175 mm inner dia. It includes supply of Double Wall Corrugated -HDPE pipe/duct as per RDSO Specn.No. RDSO/SPN/ 204/2011 (version 1.1) or latest and conforming to ISI Spec. No.IS:14930, Part-II. (The manufacturers, suppliers must produce valid IS license and should be certified under ISO 9000 and shall submit copy of certificate). One of the following coupling arrangements should also be supplied with each pipe as per the site requirement.1) Suitable snap fit coupler with rubber O-Ring 2) Spacers3) Tees4) Bend, 5) End-capDWC pipe shall be marked at every 1 mtr length in such a way that manufacturer's name, vendor name and year of manufacture can be easily identified. Inspection: Consignee	Metre	60.00	383.47	23008.20
30	30	Placing of DWC HDPE/RCC/GI pipes along with collars in trenches at places near track and road, crossings, platform cuttings etc. The work to be done as per instruction of Rly. site engineer.	Metre	60.00	29.59	1775.40
31	31	Supply of H.S.S. Drill twist for single groove 7.14 mm dia. Spec. IS:519/DIN: 338/ISO. Make: JK/IT/BOSCH/ADDISSION. Inspection: Consignee	Numbers	60.00	175.00	10500.00
32	32	Alteration work of control cum indication panel to suit approved panel face diagram. All materials to be supplied by the contractor required for this work. This work includes laying ,termination of cable/wire from relays/CTR to panel and necessary lettering in panel. Cables/Wires required for this purpose to be procured from RDSO approved firm. Inspection: Consignee	Numbers	1.00	41382.34	41382.34

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33	33	Excavation of trench in all kinds of soil (1.0 mtr. Depth 300 mm width) and refilling of the trench without Bricks and final back filling, ramming and consolidation of soil as well as the disposal of the soil, if any. Note: Payment will be made as per actual work done on pro-rata basis, if the required depth is not available at site. If the depth of trench is not uniform in a span of 100 mtr. of shorter lengths along the cable run, minimum depth will be taken for that particular stretch for payment. Prior permission should be taken before laying of cable if the depth of trenching is less than 1.0 Mtr. Inspection: Consignee.	Kilometre	1.00	62908.00	62908.00
34	34	Laying of signaling cable of various core sizes as per cable route and cable core plan approved by Railway and meggering of all main & Tail cables. The work to be done as per instruction of Rly. site engineer. Note: All materials (except cable) required for the execution of the work shall be supplied by the contractor.	Kilometre	2.50	8029.26	20073.15
35	35	Excavation of trench(1.0 mtr. depth from bottom of rail), earth work and re-instatement of track while track crossing for laying of cables. This work to be done as per instruction of Rly. Site engineer. All materials (except cable, GI Pipe) required for the execution of the work shall be supplied by the contractor. Note: If required depth can not be achieved at particular location, then alternative location to be selected as per instruction of Rly. site engineer	Metre	60.00	93.05	5583.00
36	36	Supply of Hylum sheet of size 950mm X 75mm X 12mm. Inspection: Consignee	Numbers	10.00	374.67	3746.70
37	37	Cutting the masonry wall at locations indicated by Rly. site engineer and repairing of wall with brick/sand & cement/tiles/white washing/painting after laying of cable as per instruction of Rly. site Engineer. All required materials for this purpose to be supplied by contractor.	Job	2.00	265.04	530.08
38	38	Testing & commissioning of interlocking arrangement complete with signals. Testing shall be carried out by the Rly. Engineer with the help of representative of contractor to ensure compliance of SEM, RE manual & Guide lines issued by Railway authority / Railway board / RDSO. This also includes complete painting (of indoor S&T equipments) , lettering, earth testing related to this work. For testing, if required simulation test board to be done and phase testing may be done as & when necessary before testing of whole interlocking arrangement.	Station	1.00	69915.39	69915.39
39	39	For NI work, Preparation of temporary goomty with sitting arrangement, lighting arrangement , communication - provision of communication facility, during non interlocked period and provision of temporary goomtias- 4 nos. , chair 12 nos. table 4 nos. for operational facility during NI period. All required materials to be arranged by the contractor for the work as per Rly. Site engineer. All required materials to be supplied by the contractor on hiring basis along with lighting arrangement at temporary goomty and at yard, site as per site engineer.	Day	1.00	16080.06	16080.06
					Total	1181967.78

4. ELIGIBILITY CONDITIONS

Submission of Document Verification Certificate

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please submit a certificate in the prescribed format (please download the format from the link given below) for verification / confirmation of the documents submitted for compliance of eligibility / qualifying criteria. 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 Certificatio)	No	No	Allowed (Mandatory)

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Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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 :- Panel Interlocking or Route Relay Interlocking or Electronic Interlocking of IBH or Automatic Signalling (using metal to carbon contact relays).	No	No	Not Allowed

Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	For works amounting Rs.50 lakhs and above: 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-VIB, 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)

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Demand for the Financial Criteria, Association of Railway Officers, List of Arbitration cases, Court cases and Mandate for NEFT are to be uploaded with a scanned copy duly filled in and signed as per annexure no. IV, V, VI, VII, VIII, IX, XI, VIA, VIB, VI and Annexure-V as per GCC-2022 respectively. These Annexures are available in View Document menu at Home page and is downloadable. The details of the uploaded documents should be produced whenever demanded for verification on written request at any point of time of the tender and contract within 7 days.	No	No	Allowed (Mandatory)
2	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	Tenderers are requested to go through the following documents which are available in upload/View Documents in Home page of IREPS portal for works tenders before submitting the e-tender. 1.General Instruction for E-Tenders on works contract-Chapter- I 2.Special Condition-General- Chapter-II	No	No	Not Allowed
1.1	Opening of e-tender : 1. The e-tenders will be opened online using the IREPS portal anytime after tender closing time. No representative is required to be present for opening of e-tender and taking notes of rates quoted and ranking as the complete details of rates etc. of all the bidders shall be available to the bidders through the website after the opening of the tender. 2. The tender document cost and earnest money cost is to be paid through online banking facilities through the online portal and by giving the other details online on website www.ireps.gov.in. Note: For more details refer to Cl: 4 & 12 of General Instruction-Chapter-I for Submission of EMD, Cost of Tender Document and opening of e-tender.	No	No	Not Allowed

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Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	1.Intending tenderer must understand the work before quoting. The submission of tender shall be deemed to have been done after careful study and examination of the papers as well as work site and understanding of the implication thereof. 2.Quoted rates shall include all types of taxes (GST etc.), duties,carrying cost of all materials for the work including loading and unloading involved in the concerned work. 3.All supplied materials to be deposited at the office of SSE/Sig./Store/ASN. 4.All materials supply by the Rly. have to be transported from the office of the SSE/Sig./Store/ASN to the site of work by the contractor's own arrangement. 5.All released materials intact will have to be transported from the site to the office of the SSE/Sig./Store/ASN by contractor's own arrangement. 6.Any material, which is required for execution of the work, not mentioned in the schedule as Railway supply, contractor has to arrange for the same as per advice of Site Engineer. 7.Painting to be done on all items as per provision of Signal Engineering Manual/Rly , site engineer. 8.Items supplied by the contractor will be inspected by authorized representative of Sr.DSTE/ASN except those materials which will be inspected by RDSO / RITES. All the cost of inspection shall be borne by the contractor. 9.Any required drawing may be collected/ consulted from Sr.DSTE/ASN's office	No	No	Not Allowed
1.1	10.A site supervisor from contractor side shall be present at site during execution of work.Execution work at site will be done as per instruction of Rly. site engineer. 11.Care should be taken to avoid damage to existing gears during the work. Any damages to the Railway property shall be made good by the contractor in his own cost.12.The Contractor & his supervisors, staff must take proper precaution during working in Railway area to prevent any interference with existing Rly. system, working & passengers. 13.All the tools and other testing equipment for installation, testing and commissioning should be arranged by the contractor at his cost. 14.Contractor have to submit indemnity bond for safe custody and protection of railway materials during transportation (sample may be collected from office)15. Latest guideline of Railway Bds vide letter no. 2018/CE-I/CT/9 dated 04.06.2018 regarding "Letter of Credit" as Mode of payment in Works Tenders or Service Tenders is attached in pdf file.	No	No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Demand for the credential criteria both Technical and Similar nature of work and other technical details are to be uploaded with a scanned copy duly filled in and signed as per annexure no. I (a), I (b), II, III. These Annexures are available in View Document menu at Home page and are downloadable. The details of the uploaded documents should be produced whenever demanded for verification on written request at any point of time of the tender and contract within 7 days.	No	No	Allowed (Mandatory)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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Closing Date/Time: 04/01/2023 12:00

1	1.0WHEREAS the President of India acting through the Eastern Railway administration and their authorised officers has invited e-tenders for the above-mentioned work vide tender notice mentioned in the NIT (Notice Inviting Tender) published in the website. 2.0AND WHEREAS I/We, have read the above NIT (Notice Inviting Tender for e-tender, General instructions, Special Conditions-General, all special conditions and have purchased this e-tender document, have carefully read and understood the same, have visited the site and have satisfied myself/ourselves as to the nature of the work and site conditions before filling this e-tender. 3.0AND WHEREAS my/our address for all communications hereinafter shall be considered as official and shall be made in the address, email Id and Mobile phone and other phone nos. given in the portal of IREPS while registering as tenderer for e-tender. In case of any change in this concerned officer of railway will be informed. 4.0AND WHEREAS I/We state that in the event of this e-tender being unsuccessful, the aforesaid earnest money deposited by me/us may be refunded to me/us through NEFT / by a crossed cheque. 5.0AND WHEREAS I/We hereby sign this e-tender document digitally by virtue of the legal authorities vested with me/us to enter into commitment on behalf of the tenderer, documentary support whereof is enclosed herewith. 6.0AND WHEREAS I/We have read and understood this e-tender document and agree to abide by the various terms and conditions contained therein. I/We also agree to keep the offer open for acceptance for a period of 90 days from the date fixed for opening of the same and in default hereof, I/We will be liable for forfeiture of my/our earnest money.	No	No	Not Allowed
2	7.0Now, therefore I/We hereby submit this e-tender and offer to do the work for the Eastern Railway at the rates quoted in the schedule through online and hereby bind myself/ourselves to complete the work in all respects within the stipulated period of completion from the date of issue of the letter of acceptance of this tender. 8.0And I/We agree to abide by the General Conditions of Contract 2022 editions and to carry out the works according to the special conditions and specifications of materials and works as laid hereunder in various chapters of this e-tender document. 9.0And I/We have understood and accept the stipulation that full value of the earnest money shall stand forfeited without prejudice to any other right or remedies if: 1. I/We do not execute the contract documents, in case my/our tender is accepted, within seven days after receipt of notice issued by the Railway that such documents are ready, or 2.I/we do not commence the work, in case my/our e-tender is accepted, within fifteen days after receipt of orders to that effect. 10.0And until a formal agreement is executed, acceptance of this tender shall constitute a binding contract between us subject to modifications as may be mutually agreed between us and indicated in the letter of acceptance of my/our offer for this work.11.0And I/We agree to produce the details of the uploaded documents whenever demanded for verification on written request at any point of time of the tender and contract within 7 days.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TENDERDOCUMENT-SNT.pdf	Tender Document
2	GCC_April-2022.pdf	General Condition of Contract
3	ALLANNEXURE.pdf	All Annexure
4	CHECKLIST.pdf	Check List
5	2022_CE-I_CT_GCC-2022Policy 14.07.20221.pdf	Correction Slip GCC 2022
6	2018-CE-I-CT-9dtd_1.pdf	Letter of Credit as mode of payment

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.

**ASANSOL DIVISION-S AND T/EASTERN RLY
TENDER DOCUMENT**

Tender No: 41-SDSTE-ASN-2022-23

Closing Date/Time: 04/01/2023 12:00

Signed By: SHIV PRAKASH YADAV

Designation : Sr.DSTE