Tender No: RCIL-SIG-NR-21-22-OT-1 **Closing Date/Time:** 02/11/2021 11:30

GM/OP acting for and on behalf of The President of India invites E-Tenders against Tender No **RCIL-SIG-NR-21-22-OT-1** Closing Date/Time 02/11/2021 11:30 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.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

Name of Work		ignal Interlocking to Standard II with athunangal, Jaintipura, Batala and Ch Division , Northern Railway	•
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	02/11/2021 11:30	Date Time Of Uploading Tender	01/10/2021 19:19
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	172853717.53	Tendering Section	O AND M
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money /Bid Security (Rs.)	0.00	Validity of Offer (Days)	60
Obtain Bid Security Declarat	ion in lieu of Bid Security	Yes	
Tender Doc. Cost (Rs.)	0.00	Period of Completion	8 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	19/10/2021	Are Joint Venture (JV) firms allowed to bid	Yes
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Revenue

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedu Indoor)	ıle A-Works	schedule (\$	Supply, inst., v	viring, testing & co	ommissioning of ne	ew El	85145151.45	
	1	5.00	Lumpsum	12971699.66	64858498.30	AT Par	64858498.30	
1	RDSO/SPI Jaintipura, specification communication b) All interfalong with cabins & r d) Design from El s protection	N/192/2019 , Batala, Con.It include ation/network face Relays this item. Felay huts (r. & supply of system upto arrangeme	Ver 1.0 or hhina). Esse es a) all requirking eqpt to (for Indoor of Railtel will supailtel to provice Relay racks, of CT rack all loca	latest to cover the ntial spares of continuous cards, DC-E make the El system only) Like QN1, Coply only Outdoor le 110VDC only), wire coils and relations as prescribes	ne following:i) Cercards and Relays DC convertors for em functional as p NA1, QBCA1, QS Relays. c) It also in OFC connectivity/ ay wiring accessor of circuits & prepared by RDSO for E	ntralized EI 0 10% for power suppler the appropriate power patch cords patch cords aration of well installation	e as per RDSO at (Verka Jn., Kor all stations as oby, mother boards oved SIPs of station Relays etc. should ver supply arranger as per requirement ludes indoor wiring viring Diagrams. e) as. Any other item	Cathunangal, per RDSO s, housings, ns attached be included ments for all of system. of vital I/Os Lightening
	shall be in up of sub- for each s of essentia Supply eq	icorporated items of El ub-item with al items as uipments, w	under this ite system coveri grand total r specified by (m. Tenderer shaing Station wise Quatching to the Tenderland to the Tenderland in the Tenderland state of the Tenderland state	I submit along with ty. (working & sparendered cost for the Inspection of EIS d rest of the mater	n the financines separate is item. Spar System/ Cardial by Consig	1	list of break total amount d off (min.1) elays, Power
	shall be in up of sub- for each s of essentia	icorporated items of Ela ub-item with al items as	under this ite system coveri grand total r specified by (m. Tenderer shaling Station wise Quatching to the Teneral (Inspection)	I submit along with ty. (working & spanered cost for the Inspection of El S	n the financines separate is item. Spar System/ Cardial by Consig	al bid the detailed b), total qty, rate & t res @ 10% rounded ds, data-logger, Re	list of break total amount d off (min.1) elays, Power
2	shall be in up of sub- for each s of essentia Supply eq 2 Description Latest RI arrangement	icorporated items of EI in ub-item with all items as in uipments, with a subject of the subject	under this ite system coveri n grand total r specified by C rire coils for w Numbers of Maintenan ines With A	m. Tenderer shaling Station wise Quatching to the Tender Station in the Tender Station i	Il submit along with ty. (working & spanered cost for the Inspection of EI & destroyed and fault logginger Printer, UPS	n the financines separate is item. Spar System/ Cardial by Consignary with 42" of and 42" of	al bid the detailed e), total qty, rate & t res @ 10% rounder ds, data-logger, Re gnee)	list of break total amount d off (min.1) elays, Power poniter as per mmunication
2	shall be in up of sub- for each s of essentia Supply eq 2 Description Latest RI arrangement	icorporated items of EI in ub-item with all items as in uipments, with a subject of the subject	under this ite system coveri n grand total r specified by C rire coils for w Numbers of Maintenan ines With A hould also in	m. Tenderer shaling Station wise Quatching to the Tender Station in the Tender Station i	Il submit along with ty. (working & spanered cost for the Inspection of EI & destroyed and fault logginger Printer, UPS	n the financi res separate is item. Spar System/ Card ial by Consig AT Par ng with 42" o and with r for keepir	al bid the detailed c), total qty, rate & total ces @ 10% rounded ds, data-logger, Re gnee) 3733526.35 commercial LED mo all necessary cor ng MT with all acc	list of break total amount d off (min.1) elays, Power poniter as per mmunication cessories. (
2	shall be in up of sub- for each s of essentia Supply eq 2 Description 1 1 1 2 Description 2 Description 3 Description 1 1 1 1 1 1 1 1 1 1 1 1 1	corporated items of EI in the second item with all items as in the second items as per late items as per late items of the second items o	under this ite system coveri n grand total r specified by C rire coils for w Numbers of Maintenan ines With A hould also in prensative) Numbers of VDU/op test RDSO G	m. Tenderer shaling Station wise Quatching to the Tenderer Station wise Quatching by RDSO and 746705.27 ce terminal for Every State Color later Clude furniture i. 821977.38 erator console will wise with Clude station with Clude station with Clude station with Clude furniture with Clude station with Clude furniture with Clu	Il submit along with sty. (working & spanendered cost for the inspection of EI Styles of the mater 3733526.35 ent and fault logginger Printer, UPS e. table and chair with 55" minimum	n the financines separate is item. Spar System/ Cardial by Consig AT Par and with 42" of and with a for keeping AT Par size of dibetween VI	al bid the detailed al, total qty, rate & tres @ 10% rounderds, data-logger, Regnee) 3733526.35 commercial LED morall necessary corning MT with all acceptance and separate with the separate w	list of break total amount d off (min.1) elays, Power poniter as per mmunication cessories. (

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Tender No: RCIL-SIG-NR-21-22-OT-1 **Closing Date/Time:** 02/11/2021 11:30

4	modem ar	nd power su specification	upply as per R	DSO Specification les supply of Fail	No. IRS : S-99/20 ure analysis syste	006 (Amend-3	with built in netw 3) or latest amendr 42" monitor, A-	ments or as
	printer and	5.00	onvertor for d Numbers	ata logger. Inspec 88161.96	tion: RDSO) 440809.80	AT Par	440809.80	
5	Description analog in separate in data logger supplied in complete 60X0.6, 6 room/equithis schedured for its schedured for laid will be cable tren provide by	on:- Installation datalog tem in this er (All may the controlled	ation, Wiring, Tager systems schedule). This terial necessal actor). Provisi provision of it a copper condition from 1. All wires will be supplied the Railtel and aying etc., necessal action, necessal action.	esting, Validation with networking. s includes wiring ry for this work I on of cable carried and carried ductor as per NF and data logger. For Cables (except led by the contract and work of trenching the etworking shall be ettion: Engg represent with the etworking shall be ettion:	and Commissionin Datalogger syster of all the function ike wire/ cable, v ir is included as so wires of 1X1, 1X0 is practice conferm Provision of cable of undergroung sign tor, 2. Where ever ing and laying etc. commissioned on sentative.)	g of 512/1024 m to be sup s terminated wiring materia eprate item o 0.6, 3/0.29, 1 ning to latest carrier has be nalling cables or outdoor sign shall be cove availabilty of	4 port digital input plied by Railtel (i at terminal strip in al and strip conne f this schedule. TI 6/0.02 flexible, 40% spec- 76/89. bet en coverd as sepe / telecom cables nalling/ telecom card seperatly under frommunication m	ncluded as n RR/RH to ctors to be nis includes X0.6, 40X1, ween relay trate item in if reqiured) ble is to be the item of
6	-		Numbers ation, testing on:Consignee		1779329.75 g of Electronic i	AT Par nterlocking s	1779329.75 system as per la	test RDSO
7	of all requ	iste materia	uls as per Sign		actice. As per RDS	quipment etc	2106857.05 to be done along TS/E/TAN/3012 dt	
8			Man-Days ng of RCIL/ presentative.)	741.09 Railway personne	37054.50 el with supply of		37054.50 copies of course	materials.
9	10.2 of RI Wiring Dia Particulars	OSO spec. agrams ii. S s vi. Input o	RDSO/SPN/19 Selection Tab output assing	02/2019, ver. 2 or le iii. VDU layout ment details Vii.La	latest alongwith control iv. Application Pr	mplete docun ompletion doc ogram listing analysis cha	375872.80 nents as laid down cuments. This also v. Relay/ Cable art viii. Equipment entative.)	includes i. termination
10	-			-	639765.55 nts required for ma spection: Consigno		639765.55 EI system-Details	of items as

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedu	le B-Works	schedule (Sup	ply of items o	ther than new	Els indoor)		32274768.06	
	1	1500.00	Numbers	207.94	311910.00	AT Par	311910.00	
1	75/2006 F	lev 2 or lates p/10 Amp/16	, fuses non-d	leteriorating type	oe low voltage, to	suit Specn.	tailway signaling as No. IRS: S-78/92 able for round head	or latest, 2
2	armature v		f QTA2, AC tacts as per E	immunised plu	g in type DC 9 (Ohm neutral	736890.00 track relay miniat :966-F2, IRS-S-34	
2	& back BRS:931A	contacts me	AC immune , etal to carb 7N44@ IRS:S	plug in type,sty oon with plu @45"47@68 &	rle QNA1,DC neut g board retain	ral line relay ing clip &	,24 V DC 8F/8B co connectors cole interlocking code	ntacts, front nfirming to
2	front & I BRS:931A	oack contacts	s metal to 7N44@ IRS:S	une ,plug in ty carbon with @45"47@68 &	pe,style QN1,DC plug board reta	neutral line aining clip	173091.00 relay,24 V DC 8F/8 & connectors co e interlocking code	BB contacts, nfirming to

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Tender No: RCIL-SIG-NR-21-22-OT-1 **Closing Date/Time:** 02/11/2021 11:30

	Ι.				212122			
	iv	294.00	Numbers	2885.85	848439.90	AT Par	848439.90	D
2							lay,24 V DC 12F/4 connectors cor	
_	BRS:931A		N44@ IRS:S@	945"47@68 &			interlocking code	
	v	15.00	Numbers	3162.68	47440.20	AT Par	47440.20	
2	Description	n:- Supply of E	Electronic Time	er relay, 24 V [DC (60 sec). (Insp	ection: RDSC))	
	vi	263.00	Numbers	5795.33	1524171.79	AT Par	1524171.79	
	Description	on:- Supply of	plug in type,	style AC LED	all aspect AC la	mp proving r	elay.Unit with in b	uilt curre
2	suitable fo STS/E/Rel	or working in s ays/AC Lit LED	eries with the signal/09-200	e 100 V AC, L 2 Amdt 1 or la	ED signal lamp	rated at 15 'RS-S-34 & IR	acts metal to carbo W confirming to F S-S-23/88, as appl	RDSO spe
	3	5.00	Set	41900.29	209501.45	AT Par	209501.45	
3	revolving b 72"x36"x3	pearing series I 0" with 3 drawed density Foam v	ow back floati ers one side, l	ng chair with r ockers cabinet	normal arms cush t on other side =	ioned chair = 1 No. 3. Visito	of the following:- 1 1 No. 2. Executive ors chair seat & bad d black = 3 Nos. (Table siz ack cushio
	4	25500.00	Numbers	69.80	1779900.00	AT Par	1779900.00	
4	_				centre small M-6 dment -2 or latest		de of PBT as per RDSO)	RDSO dro
	а	6000.00	Numbers	65.83	394980.00	AT Par	394980.00	
	Description	n:- Disconnec	t type termina	l as per spec.	no. RDSO/189/20	004 or latest a	as below : (i) Supp	ly of Scre
5	and meas	urement (wa	go or Phonix	or Elmex) as	per site require	ement. As pe	clamp terminals bl er RDSO/SPN/189/ lecided by Enginee	/2004. Th
	(Preferabl	y in Blue, Red		r in the ratio of	f 1:2:3) (Inspection	n by Consigne	ee)	
	(Preferable	y in Blue, Red 250.00		r in the ratio of 14.13		n by Consigne AT Par	ee) 3532.50	
5	b Description	250.00 on:- Disconnec	and Grey colo Numbers t type termina	14.13 al as per spec.	f 1:2:3) (Inspection 3532.50	AT Par 004 or latest	3532.50 as below : (ii) Sup	
5	b Description	250.00 on:- Disconnec	and Grey colo Numbers t type termina	14.13 al as per spec.	f 1:2:3) (Inspection 3532.50 no. RDSO/189/2	AT Par 004 or latest	3532.50 as below : (ii) Sup	
	b Description and intermine c Description	250.00 on:- Disconnectediate plate, 2to 100.00 on:- Disconnectediate plate plate, 2to 100.00	nnd Grey colo Numbers t type termina mm/0.091 in the Numbers t type termina	14.13 If as per spec, nick as per site 12.07 If as per spec.	f 1:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Ins 1207.00	AT Par 004 or latest spection by Co AT Par 004 or latest	3532.50 as below : (ii) Suronsignee) 1207.00 as below : (iii) Sur	oply of En
	b Description and intermine c Description	250.00 on:- Disconnectediate plate, 2to 100.00 on:- Disconnectediate plate plate, 2to 100.00	nnd Grey colo Numbers t type termina mm/0.091 in the Numbers t type termina	14.13 If as per spec, nick as per site 12.07 If as per spec.	f 1:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Ins 1207.00 no. RDSO/189/2	AT Par 004 or latest spection by Co AT Par 004 or latest	3532.50 as below : (ii) Suronsignee) 1207.00 as below : (iii) Sur	oply of En
5	b Description and intermore c Description stopper for d Description d	250.00 on:- Disconnectediate plate, 20 100.00 on:- Disconnected above item 10 125.00 on:- Disconnected bove 35mm*7	nnd Grey colo Numbers t type termina mm/0.091 in the Numbers t type termina mm/.0.0394 in Numbers t type terminal	14.13 If as per specific as per site 12.07 If as per specific wide as per section wide as per specific as per	f 1:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Ins 1207.00 no. RDSO/189/20 no. RDSO/189/20 no. RDSO/189/20	AT Par 004 or latest spection by Co AT Par 004 or latest (Inspection by AT Par 04 or latest as	3532.50 as below : (ii) Suronsignee) 1207.00 as below : (iii) Suro Consignee)	oply of En
5	b Description and intermore c Description stopper for d Description Rails for a	250.00 on:- Disconnectediate plate, 20 100.00 on:- Disconnected above item 10 125.00 on:- Disconnected bove 35mm*7	nnd Grey colo Numbers t type termina mm/0.091 in the Numbers t type termina mm/.0.0394 in Numbers t type terminal	14.13 If as per specific as per site 12.07 If as per specific wide as per section wide as per specific as per	f 1:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Ins 1207.00 no. RDSO/189/20 no. RDSO/189/20 no. RDSO/189/20	AT Par 004 or latest spection by Co AT Par 004 or latest (Inspection by AT Par 04 or latest as	as below : (ii) Suronsignee) 1207.00 as below : (iii) Suronsignee) Consignee) 14217.50 s below : (iv) Supp	oply of En
5	b Description and intermore c Description stopper for d Description Rails for a Consignee 6 Description Consignee 6	250.00 on:- Disconnectediate plate, 20 100.00 on:- Disconnected above item 10 125.00 on:- Disconnected bove 35mm*7 e) 253.00	and Grey colo Numbers t type termina mm/0.091 in th Numbers t type termina mm/.0.0394 in Numbers t type terminal .5mm, 1mm/0 Numbers apparatus cas	14.13 It as per spec. hick as per site 12.07 It as per spec. h wide as per s 113.74 It as per spec. 10.039 in thickn 20987.49 See Single with	f 1:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Ins 1207.00 no. RDSO/189/20 site requirement. (14217.50 no. RDSO/189/20 ess un-slotted ty	AT Par 004 or latest spection by Control AT Par 004 or latest (Inspection by AT Par 04 or latest as per as per sit	as below : (ii) Suronsignee) 1207.00 as below : (iii) Suronsignee) 4217.50 s below : (iv) Supper requirement.(Institute of Suronsignee)	oply of En
5	b Description and intermore c Description stopper for d Description Rails for a Consignee 6 Description Consignee 6	250.00 on:- Disconnectediate plate, 20 100.00 on:- Disconnected plate, 20 125.00 on:- Disconnected plate, 20 253.00 on:- Supply of	and Grey colo Numbers t type termina mm/0.091 in th Numbers t type termina mm/.0.0394 in Numbers t type terminal .5mm, 1mm/0 Numbers apparatus cas	14.13 It as per spec. hick as per site 12.07 It as per spec. h wide as per s 113.74 It as per spec. 10.039 in thickn 20987.49 See Single with	f 1:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Ins 1207.00 no. RDSO/189/20 site requirement. (14217.50 no. RDSO/189/20 ess un-slotted ty	AT Par 004 or latest spection by Control AT Par 004 or latest (Inspection by AT Par 04 or latest as per as per sit	3532.50 as below : (ii) Suponsignee) 1207.00 as below : (iii) Suponsignee) 14217.50 s below : (iv) Suppone requirement.(Ins	oply of En
5	b Description and interm c Description stopper for d Description Rails for a Consignee 6 Description drg. No. R 7 Description Rails for a Consignee Rails	250.00 on:- Disconnect above item 10 125.00 on:- Disconnect above 35mm*7 253.00 on:- Supply of DSO/S-11500. 112.00	and Grey colo Numbers t type termina mm/0.091 in the Numbers t type termina mm/.0.0394 in Numbers t type terminal .5mm, 1mm/0 Numbers apparatus cas (Inspection: R Numbers apparatus cas	14.13 It as per spec. nick as per site 12.07 It as per spec. n wide as per s 113.74 It as per spec. It 0.039 in thickn 20987.49 It is esteel half with	11:2:3) (Inspection 3532.50 no. RDSO/189/20 requirement. (Inspection 1207.00 no. RDSO/189/20 requirement. (14217.50 no. RDSO/189/200 ress un-slotted type 1309834.97 register type lock and 1819074.88	AT Par 004 or latest spection by Co AT Par 004 or latest (Inspection by AT Par 04 or latest aspe as per sit AT Par key ward no.	as below : (ii) Suronsignee) 1207.00 as below : (iii) Suronsignee) 1207.00 as below : (iii) Suronsignee) 14217.50 s below : (iv) Suppre requirement.(Instance) 5309834.97 .42 and handle as	oply of En
5	b Description and interm c Description stopper for d Description Rails for a Consignee 6 Description drg. No. R 7 Description Rails for a Consignee Rails	250.00 pn:- Disconnectediate plate, 20 100.00 pn:- Disconnected plate, 20 125.00 pn:- Disconnected plate, 20 253.00 pn:- Supply of DSO/S-11500. 112.00 pn:- Supply of a	and Grey colo Numbers t type termina mm/0.091 in the Numbers t type termina mm/.0.0394 in Numbers t type terminal .5mm, 1mm/0 Numbers apparatus cas (Inspection: R Numbers apparatus cas	14.13 It as per spec. nick as per site 12.07 It as per spec. n wide as per s 113.74 It as per spec. It 0.039 in thickn 20987.49 It is esteel half with	11:2:3) (Inspection 3532.50 no. RDSO/189/20 requirement. (Inspection 1207.00 no. RDSO/189/20 requirement. (14217.50 no. RDSO/189/200 ress un-slotted type 1309834.97 register type lock and 1819074.88	AT Par 004 or latest spection by Co AT Par 004 or latest (Inspection by AT Par 04 or latest aspe as per sit AT Par key ward no.	3532.50 as below : (ii) Suronsignee) 1207.00 as below : (iii) Suronsignee) 14217.50 s below : (iv) Suppre requirement.(Instantial Suppression of the suppression of t	oply of En
5	b Description and intermoder consigned for a C	250.00 Den:- Disconnect address it is a second at the plate, 20 100.00 Den:- Disconnect above item 10 125.00 Den:- Disconnect above 35mm*7 Example 253.00 Den:- Supply of DSO/S-11500. 112.00 Den:- Supply of a DSO/S-11507. (51.00	and Grey colo Numbers t type termina mm/0.091 in th Numbers t type termina mm/.0.0394 in Numbers t type terminal .5mm, 1mm/0 Numbers apparatus cas (Inspection: RI Numbers apparatus cas (Inspection: RI Numbers CLS Signal po	14.13 It as per spec. nick as per site 12.07 It as per spec. n wide as per s 113.74 It as per spec. It 0.039 in thickn 20987.49 It is Single with ITES) 16241.74 It is steel half with TES) 18365.71 It 4.6 M and It	f 1:2:3) (Inspection 3532.50 no. RDSO/189/20 requirement. (Ins 1207.00 no. RDSO/189/20 no. RDS	AT Par 004 or latest spection by Control AT Par 004 or latest (Inspection by AT Par 04 or latest aspe as per sit AT Par key ward no. AT Par key ward no.	as below: (ii) Suronsignee) 1207.00 as below: (iii) Suronsignee) 1207.00 as below: (iii) Suronsignee) 14217.50 s below: (iv) Supple requirement.(Instantial Supple and handle as 1819074.88 .42 and handle as	oply of Enoply of Enoply of Carries
5	b Description and intermoder consigned for a C	250.00 on:- Disconnect above item 10 125.00 on:- Disconnect above 35mm*7 con:- Supply of DSO/S-11500. 112.00 on:- Supply of above 35m/S-1.500. 51.00 on:- Supply of 6.050/S-1.507. (and Grey colo Numbers t type termina mm/0.091 in th Numbers t type termina mm/.0.0394 in Numbers t type terminal .5mm, 1mm/0 Numbers apparatus cas (Inspection: RI Numbers apparatus cas (Inspection: RI Numbers CLS Signal po	14.13 It as per spec. nick as per site 12.07 It as per spec. n wide as per s 113.74 It as per spec. It 0.039 in thickn 20987.49 It is Single with ITES) 16241.74 It is steel half with TES) 18365.71 It 4.6 M and la	f 1:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Ins 1207.00 no. RDSO/189/20 no. RDSO	AT Par 004 or latest spection by Control AT Par 004 or latest (Inspection by AT Par 04 or latest aspe as per sit AT Par key ward no. AT Par key ward no.	as below : (ii) Suronsignee) 1207.00 as below : (iii) Suronsignee) 1207.00 as below : (iii) Suronsignee) 14217.50 s below : (iv) Supporter requirement.(Instantial Suronsignee) 1309834.97 42 and handle as 1819074.88 42 and handle as	oply of Enoply of Enoply of Carries
5	b Description and intermoder consigned for a C	250.00 on:- Disconnect disconnec	and Grey colo Numbers It type termina mm/0.091 in th Numbers It type termina mm/.0.0394 in Numbers It type terminal .5mm, 1mm/0 Numbers apparatus cas (Inspection: RI Numbers CLS Signal pos It or latest. (In Numbers	14.13 It as per spec. hick as per site 12.07 It as per spec. h wide as per s 113.74 It as per spec. It 10.039 in thickn 20987.49 It is Single with ITES) 16241.74 It e steel half with ITES) 18365.71 It 4.6 M and laspection: Constant Single S	f 1:2:3) (Inspection 3532.50] no. RDSO/189/2 requirement. (Ins 1207.00] no. RDSO/189/2 site requirement. (14217.50] no. RDSO/189/20 ress un-slotted types un-slotted types un-slotted type lock and 1819074.88 h E type lock and 936651.21 redder 4.5 M long signee) 250635.15	AT Par 004 or latest spection by Control AT Par 004 or latest (Inspection by AT Par 04 or latest aspe as per site site ward not at the series of the seri	3532.50 as below : (ii) Suponsignee) 1207.00 as below : (iii) Supoportion (iv) Supoportion	oply of Enopply of En
5	b Description and intermoder consigned for a C	250.00 on:- Disconnect dediate plate, 20 100.00 on:- Disconnect dediate plate in 10 125.00 on:- Disconnect dediate plate in 10 253.00 on:- Disconnect dediate plate in 10 253.00 on:- Supply of DSO/S-11500. 112.00 on:- Supply of 250.05/S-11507. (c. No.IRS-S-6/8 15.00 on:- Supply of 0. 15.00 on:- Supply of 0.	and Grey colo Numbers It type termina mm/0.091 in th Numbers It type termina mm/.0.0394 in Numbers It type terminal .5mm, 1mm/0 Numbers apparatus cas (Inspection: RI Numbers CLS Signal pos It or latest. (In Numbers	14.13 It as per spec. hick as per site 12.07 It as per spec. h wide as per s 113.74 It as per spec. It 10.039 in thickn 20987.49 It is Single with ITES) 16241.74 It e steel half with ITES) 18365.71 It 4.6 M and laspection: Constant Single S	f 1:2:3) (Inspection 3532.50] no. RDSO/189/2 requirement. (Ins 1207.00] no. RDSO/189/2 site requirement. (14217.50] no. RDSO/189/20 ress un-slotted types un-slotted types un-slotted type lock and 1819074.88 h E type lock and 936651.21 redder 4.5 M long signee) 250635.15	AT Par 004 or latest spection by Control AT Par 004 or latest (Inspection by AT Par 04 or latest aspe as per site site ward not at the series of the seri	3532.50 as below : (ii) Suponsignee) 1207.00 as below : (iii) Suponsignee) 14217.50 s below : (iv) Supponsignee requirement.(Instantial Suponsignee) 42 and handle as 1819074.88 42 and handle as 936651.21 2011/M), and plattices	oply of Enopply of En
5	b Description and intermode an	250.00 on:- Disconnectediate plate, 20 100.00 on:- Disconnected plate, 20 125.00 on:- Disconnected plate, 20 253.00 on:- Disconnected plate, 20 253.00 on:- Supply of DSO/S-11500. 112.00 on:- Supply of a DSO/S-11507. (ac. No. IRS-S-6/8 on:- Supply of a SS-S-6/81 or late 33.00	and Grey colo Numbers It type termina mm/0.091 in the Numbers It type termina mm/.0.0394 in Numbers It type terminal .5mm, 1mm/0 Numbers apparatus cas (Inspection: RI Numbers apparatus cas (Inspection: RI Numbers CLS Signal poets It or latest. (In Numbers CLS Signal poets	14.13 al as per spec. nick as per site 12.07 al as per spec. n wide as per s 113.74 as per spec. 1.039 in thickn 20987.49 se Single with ITES) 16241.74 e steel half wit TES) 18365.71 st 4.6 M and la spection: Cons 16709.01 st 3.6 M and la on: RITES) 15568.69 gnal unit 2 Asp	11:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Ins 1207.00 no. RDSO/189/20 no. RDSO/	AT Par 004 or latest spection by Control AT Par 004 or latest (Inspection by AT Par 04 or latest aspe as per sit AT Par key ward no. AT Par with base (S- AT Par hout lamp ho	3532.50 as below : (ii) Suronsignee) 1207.00 as below : (iii) Suror (Consignee) 14217.50 s below : (iv) Suppre requirement.(Instantial Suppre 1819074.88 .42 and handle as 936651.21 2011/M), and platform as	oply of Enopply of Eno
5 5 6 7 8	b Description and intermode an	250.00 on:- Disconnectediate plate, 20 100.00 on:- Disconnected plate, 20 125.00 on:- Disconnected plate, 20 253.00 on:- Disconnected plate, 20 253.00 on:- Supply of DSO/S-11500. 112.00 on:- Supply of a DSO/S-11507. (ac. No. IRS-S-6/8 on:- Supply of a SS-S-6/81 or late 33.00	and Grey colo Numbers It type termina mm/0.091 in the Numbers It type termina mm/.0.0394 in Numbers It type terminal .5mm, 1mm/0 Numbers apparatus cas (Inspection: RI Numbers apparatus cas (Inspection: RI Numbers CLS Signal poets It or latest. (In Numbers CLS Signal poets	14.13 al as per spec. nick as per site 12.07 al as per spec. n wide as per s 113.74 as per spec. 1.039 in thickn 20987.49 se Single with ITES) 16241.74 e steel half wit TES) 18365.71 st 4.6 M and la spection: Cons 16709.01 st 3.6 M and la on: RITES) 15568.69 gnal unit 2 Asp	11:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Ins 1207.00 no. RDSO/189/20 no. RDSO/	AT Par 004 or latest spection by Control AT Par 004 or latest (Inspection by AT Par 04 or latest aspe as per sit AT Par key ward no. AT Par with base (S- AT Par hout lamp ho	3532.50 as below : (ii) Suponsignee) 1207.00 as below : (iii) Suponsignee) 14217.50 s below : (iv) Supponsignee requirement.(Instance) 1819074.88 .42 and handle as 936651.21 2011/M), and plattice 250635.15 M) and platform as 513766.77 Idder, lamp, lenses	oply of Enopply of Eno
5 5 6 7 8	b Description and intermode an	250.00 on:- Disconnectediate plate, 20 100.00 on:- Disconnected plate, 20 125.00 on:- Disconnected plate, 20 253.00 on:- Disconnected plate, 20 253.00 on:- Supply of DSO/S-11500. 112.00 on:- Supply of 20 00:- Supply of 30 00:- Supply of 33	and Grey colo Numbers It type termina mm/0.091 in the Numbers It type terminal mm/0.0394 in Numbers It type terminal somm, 1 mm/0 Numbers apparatus cas (Inspection: RI Numbers CLS Signal post apparatus cas apparatus cas (Inspection: RI Numbers CLS Signal post apparatus cas apparatus	14.13 It as per spec. hick as per site 12.07 It as per spec. h wide as per s 113.74 It as per spec. h wide as per s 10.039 in thickn 20987.49 It is Single with ITES) 16241.74 It is steel half with ITES) 18365.71 It is 4.6 M and laspection: Constant Single In RITES) 15568.69 It is 3.6 M and laspection: And It is and RITES) It is 3.6 M and laspection: And It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is and	1:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Inspection 1207.00 no. RDSO/189/20 no.	AT Par 004 or latest spection by Control AT Par 004 or latest control AT Par 004 or latest as period AT Par key ward no. AT Par with base (S-2011/limits) AT Par hout lamp ho / M(Adv.) or latest as period AT Par hout lamp ho / MAT Par hout lamp ho	as below: (ii) Suponsignee) 1207.00 as below: (iii) Suponsignee) 1207.00 as below: (iii) Suponsignee) 14217.50 s below: (iv) Suponsignee requirement. (Instantial Suponsignee) 42 and handle as 1819074.88 42 and handle as 936651.21 2011/M), and plattices and platform as 513766.77 Idder, lamp, lenses atest. (Inspection:	oply of Enopply of Eno
5 5 6 7 8 9	b Description and intermode an	250.00 on:- Disconnectediate plate, 20 100.00 on:- Disconnected plate, 20 125.00 on:- Disconnected plate, 20 253.00 on:- Disconnected plate, 20 253.00 on:- Supply of DSO/S-11500. 112.00 on:- Supply of 20 00:- Supply of 30 00:- Supply of 33	and Grey colo Numbers It type termina mm/0.091 in the Numbers It type terminal mm/0.0394 in Numbers It type terminal somm, 1 mm/0 Numbers apparatus cas (Inspection: RI Numbers CLS Signal post apparatus cas apparatus cas (Inspection: RI Numbers CLS Signal post apparatus cas apparatus	14.13 It as per spec. hick as per site 12.07 It as per spec. h wide as per s 113.74 It as per spec. h wide as per s 10.039 in thickn 20987.49 It is Single with ITES) 16241.74 It is steel half with ITES) 18365.71 It is 4.6 M and laspection: Constant Single In RITES) 15568.69 It is 3.6 M and laspection: And It is and RITES) It is 3.6 M and laspection: And It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is 3.6 M and It is and RITES It is and	1:2:3) (Inspection 3532.50 no. RDSO/189/2 requirement. (Inspection 1207.00 no. RDSO/189/20 no.	AT Par 004 or latest spection by Control AT Par 004 or latest control AT Par 004 or latest as period AT Par key ward no. AT Par with base (S- AT Par hout lamp ho / M(Adv.) or latest as period AT Par hout lamp ho hout lamp ho	3532.50 as below : (ii) Suronsignee) 1207.00 as below : (iii) Suror Consignee) 14217.50 s below : (iv) Suppre requirement.(Instantial Suppression of the suppression	oply of Enopply of Eno

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	Description:- Supply of colour light signal unit 4 Aspect complete without lamp holder, lamp, lenses and signal transformer as per IRS -S- 26/64 Ver. 1 and RDSO Drg no.SA-23001 A/ M(Adv.) or latest. (Inspection: RITES)
	13 30.00 Numbers 8453.35 253600.50 AT Par 253600.50
13	Description:- Supply of shunt signal position light complete with unit post and surface base mounting socke 90mm dia, without holders & bulbs as per drg. No. SA 23840, adv.specs.no.IRS-S-23/88 or latest Independer post type.(Inspection: RITES)
	14 25.00 Numbers 8311.36 207784.00 AT Par 207784.00
14	Description:- Supply of shunt signal position light with unit offset bracket 3.5" dia. without holders & bulbs as pedrg.no. SA -23840 adv.specs.no.IRS-S-23/88 or latest Dependent post type.(Inspection: RITES)
	15 12.00 Numbers 4353.08 52236.96 AT Par 52236.96
15	Description:- Supply of Calling ON signal unit position light type complete with mounting socket 90 mm dia. lock. All items shall be as per latest RDSO drawing and specifications.(Inspection: RITES)
	i 15.00 Numbers 22522.67 337840.05 AT Par 337840.05
16	Description:- Supply of 1-way route indicator junction type Drg. No. SA-23401 (Adv.) or latest with hoods & offset bracket 5½ " without signal transformer as per RDSO Specn.No.IRS-S-66/84 Amd. 1.(Inspection: RITES)
	ii 5.00 Numbers 29315.16 146575.80 AT Par 146575.80
16	Description:- Supply of 2/3/4/5-way route indicator junction type Drg. No. SA-23402-6 (Adv.) or latest with hood & offset bracket 5½ " without signal transformer as per RDSO Specn.No.IRS-S-66/84 Amd. 1 (Inspection: RITES)
	17 50.00 Numbers 63578.97 3178948.50 AT Par 3178948.50
17	Description:- Supply of Electric Point Machine (IRS type) AC immunity 160 V AC, Non trailable to operte on 11 V DC, 143 mm throw with interlocking complete with lock, detector, cable terminal box and slides for lock detector, rotary locking as per specification No. IRS-S-24/2002 with amendment-1 or latest. (Inspection: RDSO)
	18 50.00 Set 9150.00 457500.00 AT Par 457500.00
18	Description:- Supply of complete set of point rodding for point machines of IRS type as per latest drg. specifications along with 'P' brackets, all type of nuts & bolts and Lugs as reqd also to be supplied with each se (Inspection:RITES)
	19 50.00 Set 372.68 18634.00 AT Par 18634.00
19	Description:- Supply of Insulation for 'L' type bracket for point fitting IRS type complete consisting of Insulatio plate - 01 No. Ferrule - 02 Nos. Washers - 04Nos. (Material Nylon 66). (Inspection: Consignee)
00	20 100.00 Set 963.41 96341.00 AT Par 96341.00
20	Description:- Supply of Insulation for P bracket for point fitting IRS type complete.(Inspection: Consignee)
	21 39.00 Numbers 7436.10 290007.90 AT Par 290007.90
21	Description:- Supply of Key lock relay, type TMA 24V DC with 2F/2B contacts configuration with different ward combination. Details of ward combination will be provided during execution of work.(Inspection: RDSO)
	22 450.00 Numbers 2692.90 1211805.00 AT Par 1211805.00
22	Description:- Supply of Lead acid secondary cell 2V/80 AH with tubular positive & pasted negative plate assembled in hard rubber case container as per spec no IRS-S-88/2004 Ver. 1 or latest. (Inspection: RDSO)
23	23 300.00 Numbers 3568.33 1070499.00 AT Par 1070499.00
20	Description:- Supply of choke type 'B' to suit RDSO spec no IRS-S-65/83(Amndt.3) or latest.(Inspection: RDSO)
	24 300.00 Numbers 1201.97 360591.00 AT Par 360591.00
24	Description:- Supply of Fiber type Track lead Jn. Box as per IRS(s) Drg. No.SA-20101/M made of FRP material (FRP material conforming to RDSO SPN 151/97 or latest) complete with 450 mm long 25 mm dia. pipe (Inspection: Consignee)
	25 150.00 Numbers 3872.33 580849.50 AT Par 580849.50
25	Description:- Supply of track feed batt. charger 110VAC/2-4-6 VDC / 10 Amps as per RDSO spec. no.IRS S 89/2013 Ver. 1 with Amdt. 1. (Inspection: RDSO)
	26 55.00 Numbers 4659.24 256258.20 AT Par 256258.20
26	Description:- Supply of desk type magneto telephone to suit IRS TC:36-97(Amndt.1) (Inspection:Consignee)
27	27 2.00 Numbers 3332.99 6665.98 AT Par 6665.98
	Description:- Supply of Megger 500VAC philips or similar make.(Inspection: Consignee)
28	28 2.00 Numbers 5938.85 11877.70 AT Par 11877.70 Description:- Supply of Electric drill machine of size 6mm of model no.EG2C of Ralliwolf make or equivaler (Inspection: Consignee)
	29 2.00 Numbers 7414.68 14829.36 AT Par 14829.36
	Description:- Supply of Portable digital auto range multi-meter Philips, Motwani, Fluke or Rishabh make of
29	similar capable to measure from (0.1mv/0.01ma) AC/DC upto 10Amp(AC/DC), 600V(AC/DC) and 0.1 ohms-40 North ohms suitable for measurement of Frequency & capacitance.(Inspection: Consignee)

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	20	F 00	Doy Hoit	11500.70	57668.65	AT Day	F7000 0F	
	30	5.00	Per Unit	11533.73			57668.65	i) Cooppos
30	D/E 30x32 No. iv) Spa combination Spanner 3	mm =1 No. ii) anner open end on ring & open 0 & 19 mm = 0	Spanner D/E I 50 mm = 2 end 40 mm D1 Nos. x) Cu	18x19 mm =1 Nos. v) Spanno = 02 No. vii) utter cum strip	No. iii) Spanner or combination rin handle extension	combination F g & open end = 01 No. viii i) Screw drive	as per list below: Aing and open end Ai 30 mm = 01 No. Changle = 01 Air 6" = 02 Nos. xii	19 mm = 1 vi) Spanner No. ix) Box
	31	5.00	Kilometre	51259.91	256299.55	AT Par	256299.55	
31					specification No. pection: RDSO)	S-76/89 (A	mndt.2) or latest	with latest
	32	5.00	Kilometre	143498.19	717490.95	AT Par	717490.95	
32					specification No.9	S-76/89 (Am	nndt. 2) or latest	with latest
	33	1.00	Kilometre	224363.84	224363.84	AT Par	224363.84	
33	Description	on:- Supply of	Power wire	eas per IRS			md. 2) or latest	with latest
	34	1.00	Kilometre	432010.56	432010.56	AT Par	432010.56	
34	Description	n:- Supply of	Wiring mater	rials as per IR	S Spec no IRS-7	6/89 with am	nendment no 2 or mm (Inspection:	
	35	6.00	Numbers	8356.41	50138.46	AT Par	50138.46	
35	Description		Annunciator I				Drg. No.TCA-335	52 (Adv.) or
	36	15.00	Numbers	8510.29	127654.35	AT Par	127654.35	
36	Descripti		f 4 wire wa	ay station equ	uipment consisitir		e control telepho	ne, battery
	37	10.00	Numbers	1383.54	13835.40	AT Par	13835.40	
37	Description		200 way tag b	lock complete	with cover confor		No. SA-24753 or I	atest as per
	38	5.00	Numbers	70898.37	354491.85	AT Par	354491.85	
38		i					2 nos. single/three	phase DG
	_	_			e (Inspection: Co		_	
	a	3.00	Kilometre	55400.00			166200.00	
39	mm & inne	er dia 33mm, i	or use as ur	nderground ca		•	OPE duct) duct of o ical fibre cable.as	
	b	20.00	Numbers	28.06	561.20	AT Par	561.20	
39	Description	on:- Supply of E		nm for Permar	ent Lubricated Hi	gh Density Po	olyethylene Duct. (Inspection :
	c	20.00	Numbers	35.44	708.80	AT Par	708.80	
39							Polyethylene Duct.	(Inspection
	d	40.00	Numbers	72.22	2888.80	AT Par	2888.80	
39	-	l l	Plastic couple		fit type for Perma	anent Lubricat	ted High Density F	olyethylene
	40	2.00	Numbers	14750.82	29501.64	AT Par	29501.64	
40	_	L_	ıd installatior	n of optical file			per TEC spec no	o. GR/OJC-
	41	8.00	Numbers	473395.16	3787161.28	AT Par	3787161.28	
41	Description requirement and driven boom supplications because the supplication of the	on:- Design, Mant (as per RDS) mechanism, be port and moto eration in case	O spec RDSC cooms length rised boom lo of independe	y & supply o D/SPN/208/201 as per site re ocking arrange nt interlocked	f electrically ope 2 ver.2.0 or lates quirement up to ment, circuit con gates, road warni	rated lifting t) complete s 9.76 mtr (app trollers, opera ing bell, hand	barrier 110V AC set along with ped- prox.10Mtr), baland ting panel for gat generator (applica complete in all res	estal driving cing weight, te and gate able only for
					DSO's latest Spec			

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42	16.00	Set	34180.28	546884.48	AT Par	546884.48	
	•		•	ier as per RDSO st. (Inspection: RI	Ü	SO/S-11600 or late	est & RDSO

	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedul	e C-works	schedule for	Supply & insta	llation of items	other than new EI	s indoor:	14417779.23	
	i	30.00	Set	29878.15	896344.50	AT Par	896344.50	
	Descripti	on:- Fuse f	ailure monito	ring system v	vith automatic ch	nangeover -	Design, Fabication	on, Supply
1	Installation	n, wiring, test	ing & commiss	sioning of fuse	alarm system of v	arious type	of fuses with autom	atic chang
		equirement.					cided by Engineer /SPN/209/2012 Rev	
	ii	5.00	Kilometre	172440.25	862201.25	AT Par	862201.25	
	Description	n:- Fuse fai	lure monitorin	a system with	automatic change	over- Supply	of cable indoor C	u conducto
l							PVC sheathed to s	
	No: IRS/S/	76/89 amend	lment 2 or late	est size 1*60C*(0.60sq mm dia.(In:	spection: RD	SO)	
	iii	5.00	Kilometre	7921.41	39607.05	AT Par	39607.05	
1	Description	on:- Fuse fa	ilure monitorin	g system with	automatic change	eover - Supp	oly of 1C*.79 Sq.m	m.(1/1 mm
	PVC insula	ated unsheatl	ned single core	e cable as per l	RS/S:76/89 with la	atest amendr	nent (Inspection: R	DSO)
	2	7.00	Numbers	17454.38	122180.66	AT Par	122180.66	
							scaffolding as per	
							cription strips to ac	
2							caffolding/ cable ca 5mm as per instruc	
_							equirements. All fix	
							flats, L - bolts, san	
							ning by Red oxide,	
	racks and	writing of des	scription of rela	ays by Indian S	tandard mark pair	ts.(Inspectio	n: Engg representa	tive.)
	3	17.00	Numbers	18793.50	319489.50	AT Par	319489.50	
	•	ion:- Fabrica		_			oard of size as	per Drg
3					e sheet of size 6	mm thick. Tl	nis also includes fi	xina of AR
3	terminais à					400		
	cables All						cm in the back for	jamming c
		the fixing ma	aterials like bo	lts, nuts, washe	ers, Insulators, sho	oe, angle iror	5 cm in the back for ns, flats, L- bolts, ce	jamming c ement, san
	and concr	the fixing ma etes etc. will	aterials like bo be supplied	Its, nuts, washe by the contrac	ers, Insulators, sho	oe, angle iror cleaning, pr	5 cm in the back forns, flats, L- bolts, ce iming by red oxide	jamming c ement, san
	and concr	the fixing ma etes etc. will	aterials like bo be supplied	Its, nuts, washe by the contrac	ers, Insulators, sho tor. This includes	oe, angle iror cleaning, pr	5 cm in the back forns, flats, L- bolts, ce iming by red oxide	jamming o
	and concr writing of c	the fixing ma etes etc. will description et 1000.00	terials like bo be supplied c. with Indian s Metre	its, nuts, washed by the contract standard mark 356.23	ers, Insulators, sho tor. This includes paints. (Inspection 356230.00	pe, angle iror cleaning, pr Engg repres AT Par	ocm in the back for ns, flats, L- bolts, co iming by red oxide sentative)	jamming o ement, sand e, painting &
	and concr writing of c 4 Description in colour)	the fixing ma etes etc. will description et 1000.00 on:- Supply 8 (in 6m straigh	terials like bobe supplied c. with Indian sometimes Metre installation of the length with control of the state of the stat	Its, nuts, washed by the contract standard mark 356.23 Double walled one coupler for	ers, Insulators, sho tor. This includes paints. (Inspection 356230.00 corrugated HDPE every 6m length)	ce, angle iror cleaning, pr Engg repres AT Par Pipe of oute conforming t	5 cm in the back for ns, flats, L- bolts, ce iming by red oxide sentative) 356230.00 r dia 120 mm (othe o BSEN-50086-2-4	r jamming of perment, sand of perment, sand of perment, sand of perment is a perment of the perment is a perment of permet of perment of permet
4	and concr writing of c 4 Descriptic in colour) (specification	the fixing ma etes etc. will description et 1000.00 pn:- Supply 8 (in 6m straigh on14930 Pt I	terials like both be supplied to the supplied	Its, nuts, washed by the contract standard mark 356.23 Double walled one coupler for quired as per a	ers, Insulators, sho tor. This includes paints. (Inspection 356230.00 corrugated HDPE every 6m length) pproved cable rou	ce, angle iror cleaning, pr Engg repres AT Par Pipe of oute conforming to the plan. This	5 cm in the back for ins, flats, L- bolts, coming by red oxide sentative) 356230.00 r dia 120 mm (other or includes brick words includes brick words.)	r jamming of the painting of t
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Tender No: RCIL-SIG-NR-21-22-OT-1 **Closing Date/Time:** 02/11/2021 11:30

Ö	-	_	-	_			NG BOARDS (SLE	
	done by th	e contractor.	Board should	be provided or		nel having mi	nimum weight of 8.9	
	9	41.00	Numbers	6883.23	282212.43	AT Par	282212.43	
9				f 30 lines JB w		als & board	6mm thick hylum s	heet to be
	10	10.00	Set	137615.54	1376155.40	AT Par	1376155.40	
							l l	P .
10	_	all accessorie			-	_	fferent AC and DC or latest. (Eight	
	11	2.00	Numbers	34756.11	69512.22	AT Par	69512.22	
11	hour appr		des all the				similar capacity 65 t and also to colle	-
	12	40.00	Numbers	10877.86	435114.40	AT Par	435114.40	
12	-	g capacity cor			pipe, bracket and	-	nfirming to IS-2878 ted with ISI mark. (
	13	20.00	Set	22816.48	456329.60	AT Par	456329.60	
13	specification amendment (300mmX2 (minimum) case, IPS, suitable size earth resist loop earth of size 25) the resistate be repeated	on RDSO/SPN nts. Earthing 25mmX6MM) . This include data logger, ze. PVC wire tance of less to consisting of the C2 sq. mm sha nce achieved and for other ear	I/197/2008 a kit consist of consi	nd Drg No. Sof earthing elected (150mmX2) earth connection DAC etc. with Polied by RCIL. I with one earth e earth pit shall by contractor pit already install.	DO/RDSO/E&B/00 ctrode of 17mm 5mmX6mm) -01 n from MEEB to S VC earth wire of Note: At certain to electrode/pit due Il be done. For int r. The number of alled. The procedu	dia and 3 no. 4 Earth &T equipmen size 16/25 Socations it moto soil resist erconnection pits required ure mentione	n suitable kit as p 0.9.2008 or latest meter long-01 no. enhancing compou nt i.e. cable sheath, oq.mm through copp ay not be possible ivity. In such case p of two earth pits co shall be decided be d above for one ear op earthing arrange	with latest 2 MEEE and -30 Kg apparatus of to achieve rovision of the poper tape ased upon the pit shall
	14	6.00	Set	117888.04	707328.24	AT Par	707328.24	
14	RDSO spe UFSBI (RI arrangeme iv) Block te	c No RDSO/S DSO SPN No ent including re- elephone with a	SPN/188/ 200- SPN/147/200 elays = 2 Nos accessories a	4 ver 1.0 or lat 5 or latest am . iii) Block Pane s per RDSO sp	est amendment. endment = 2 no. el complete with a ec no RDSO/SPN	(1Set). Each ii) Relay raccessories as /191/2006= 2	ete with all accessor in set consisting of fick with due locking is per latest amedme ! Nos. (Inspection : I	ollowing: i) & sealing ent= 2 nos.
	15	10.00	Numbers	1408.75	14087.50	AT Par	14087.50	
15	instruction	ofEngg repre	esentative Th				cables as per spec cluding hylum boar	
	16	750.00	Numbers	33.85	25387.50	AT Par	25387.50	
16	Description	n:- Supply & i	nstallation of	PPTC fuse (Co	onsignee)		•	
				`				
	17		Sam	1214 60		AT Par	30365.00	
17	_	25.00 an:- Supply & logger room/a			30365.00 poring with adhes		30365.00 thickness) in relay presentative (Inspec	
17	Description room/data	25.00 en:- Supply & logger room/a	laying of ar	oom or as requ	30365.00 poring with adhes ired and instructe	sive (2 mm d byEngg re	thickness) in relay presentative (Inspec	
	Description room/data representa 18 Description with 120 A of power some rooftop an support of	25.00 Dn:- Supply & logger room/ative) 5.00 Dn:- Installation H VRLA Batter ocket. This incomplete incomple	laying of ar axle counter r Numbers n of master V ry. 230V AC fictudes foundatenna with GI	6506.50 HF set 25 W orom IPS is to be tion (500 mm x pipe and wirin I cement, sand	30365.00 poring with adhestired and instructe 32532.50 In ASM's table & vice extended to the table table to the table	AT Par viring of the spower supplymm) and ere to VHF set weres, power w	thickness) in relay	pply wiring d provision GI pipe or Y wires for except the
17	Description room/data representa 18 Description with 120 A of power s rooftop an support of VHF set, a	25.00 Dn:- Supply & logger room/ative) 5.00 Dn:- Installation H VRLA Batter ocket. This income d fixing of ant the GI pipe. Antenna and 12	laying of ar axle counter r Numbers n of master V ry. 230V AC fictions with GI all the materia	6506.50 HF set 25 W or om IPS is to be tion (500 mm x pipe and wirin I cement, sand pattery is to be s	30365.00 poring with adhestired and instructe 32532.50 n ASM's table & vice extended to the common	AT Par AT Par viring of the sepower supplymm) and erection VHF set weres, power weter. (Inspect	thickness) in relay oresentative (Inspectors) and with power sure of the VHF and ction of the 50 mm ith provision of GU ires with socket etction: Engg represent	pply wiring by provision GI pipe on y wires for except the
18	Description room/data representa 18 Description with 120 A of power some rooftop and support of VHF set, a 19 Description room room room room room room room ro	25.00 on:- Supply & logger room/ative) 5.00 on:- Installation H VRLA Batter ocket. This incomplete ocket. This incomplete ocket. This incomplete ocket. This incomplete of fixing of antithe GI pipe. Antenna and 12 50.00 on:- Supply an	laying of ar axle counter r Numbers of master V ry. 230V AC from the cludes foundation with GI all the materia RO AH VRLA box Numbers of Installation	6506.50 (HF set 25 W orom IPS is to be attion (500 mm x pipe and wirin I cement, sand pattery is to be a 1567.25 of VF tapping 8	30365.00 Doring with adhestired and instructe 32532.50 In ASM's table & vice extended to the common	AT Par viring of the spower supplymm) and ere of VHF set weres, power weter. (Inspectation AT Par efformers 2T/	thickness) in relay presentative (Inspections) and the same with power sure runit of the VHF and the same with provision of GU' ires with socket etc.	pply wiring d provision GI pipe or Y wires for except the tative)
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Tender No: RCIL-SIG-NR-21-22-OT-1 **Closing Date/Time:** 02/11/2021 11:30

	_	on:- Supply &		f Modem comp	patible with existing	ng UFSBI sy	stem work on back	up media.
	21	12.00	Numbers	91369.66	1096435.92	AT Par	1096435.92	
21	conssiting slots empt	of 4 El pouint	ts and slots ar n 50 pin cable	nd 1 slot popula	ated with 2W/4W	E&M suppor	c 1U 19 rack mounta ting upto 8 interface or 1 No. for BPAC co	balance 2
	i	10.00	Numbers	4995.42	49954.20	AT Par	49954.20	
22	-						ssioing of fault locato	
	ii	55.00	Numbers	5159.48	283771.40	AT Par	283771.40	
22	sensor de programm	etector with a ing senstivity	automatically increase with	adjusts sensiti heat varying ar	vity levels withound floating sensitive	ut the need rity from 0.5	ssioning Heat and sn I for operator interv to 4% /feet and shall r RDSO/SPN/217/201	ention or be plug in
	iii	5.00	Numbers	489811.03	2449055.15	AT Par	2449055.15	
22	addressab for 24 Hr r installation	le UL listed Finormal operation for the FA	ire alarm Cont ion and 15 Mi	rol Panel with 8 in alarm operat 1000 event	30 character displ	ay with batte cower supply	commissioning of ry charger and batter y and aplhanumaric k SM interface modul	ry, backup keypad for
	iv	400.00	Metre	1524.29	609716.00	AT Par	609716.00	
22	Linear Hea	at sensing (LH	HS) cable which	ch is self restor	able after the fire	event as lo	mmissioning of analong as its temperature SPN/217/2016 Ver 2.0	does not
	v	5.00	Numbers	152428.26	762141.30	AT Par	762141.30	
22	_			•			missioning of GUI se	oftware to
		shall be able		he device whei	•		ware shall be acces be would require to be	
		shall be able	to indicate in t	he device whei	•			
22	as per RDS vi Description	shall be able to SO/SPN/217/2 5.00 con:- Fire Alar	to indicate in t 2016 Ver 2.0 o Numbers rm System (Ir	he device when relatest. 22464.15 aspection: RDS	never the detector	AT Par tallation, cor	ce would require to be 112320.75 mmissioning of GSM	e serviced
	as per RDS vi Description	shall be able to SO/SPN/217/2 5.00 con:- Fire Alar	to indicate in t 2016 Ver 2.0 o Numbers rm System (Ir	he device when relatest. 22464.15 aspection: RDS	112320.75 SO) - Supply, ins	AT Par tallation, cor	112320.75 mmissioning of GSM	e serviced
22	as per RDS vi Description module su vii Description	shall be able SO/SPN/217/2 5.00 5.00 con:- Fire Alar itable to interf 5.00 con:- Fire Alar	to indicate in to 2016 Ver 2.0 o Numbers of System (In ace with the continuous Numbers of System (In System (In System (In the continuous Numbers)	he device when a latest. 22464.15 aspection: RDS ontrol panel as 4950.67	112320.75 SO) - Supply, insper RDSO/SPN/2 24753.35 O) - Supply, insta	AT Par tallation, cor 17/2016 Ver AT Par	112320.75 mmissioning of GSM	e serviced
22	as per RDS vi Description module su vii Description break man viii	shall be able SO/SPN/217/2 5.00 con:- Fire Alar itable to interf 5.00 con:- Fire Alar ual call point 5.00	to indicate in to 2016 Ver 2.0 or Numbers of System (In ace with the consumbers of System (In RDSO/SPN/21 Numbers	he device when a latest. 22464.15 aspection: RDS ontrol panel as 4950.67 spection: RDS 7/2016 Ver 2.0	112320.75 GO) - Supply, insper RDSO/SPN/2 24753.35 O) - Supply, install or latest. 48953.65	AT Par tallation, cor 17/2016 Ver AT Par allation, cor	112320.75 112320.75 mmissioning of GSM 2.0 or latest. 24753.35 mmissioning of UL lis 48953.65	e serviced interface
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22	as per RDS vi Description module su viii Description break man viiii Description unit as per ix Description	shall be able SO/SPN/217/2 5.00 5.00 on:- Fire Alar RDSO/SPN/2 on:- Fire Alar RDSO/SPN/2 5.00 on:- Fire Alar RDSO/SPN/2 on:- Fire Alar RDSO	to indicate in the 2016 Ver 2.0 or Numbers of System (In RDSO/SPN/21 Numbers of System (Insert of Syst	he device when relatest. 22464.15 Inspection: RDS ontrol panel as 4950.67 Spection: RDS 7/2016 Ver 2.0 9790.73 Spection: RDSC 2.0 or latest. 126898.97 Spection: RDSC 17/2016 Ver 2.0	112320.75 SO) - Supply, insper RDSO/SPN/2 24753.35 O) - Supply, install 0 or latest. 48953.65 O) - Supply, install 634494.85 O) - Supply, install 0 or latest.	AT Par tallation, cor AT Par allation, cor AT Par ation, community and AT Par ation, community at ation, community at a tion, community a	112320.75 mmissioning of GSM 2.0 or latest. 24753.35 mmissioning of UL lis 48953.65 dissioning of audio vis 634494.85 issioing of Linear hea	e serviced interface sted glass
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Tender No: RCIL-SIG-NR-21-22-OT-1 **Closing Date/Time:** 02/11/2021 11:30

	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedu	le D-Works	schedule for n	nisc. Executio	n items other tha	an new Els indoor	-	41016018.79	
	i	5.00	Station	41184.75	205923.75	AT Par	205923.75	
	Description	on:- Prep. of ca				e chart, Pow	er supply arranger	nent, Cabl
	_	-	-				n plan, Cable insu	
							outdoor diagram f	
1							cution of work. The	
'							ing details:- (Insp erior quality paper;	
							core plan & other	
							set in the form of C	
		omplete set of	tracings.(iv) D	esign through C	CAD(v) Drawings i	n A3 & plans	in bigger size. (six	c sets)Sma
	Station	450.00		100.15	00.470.50	4T.D	20.470.50	
	2	150.00	Metre	463.15		AT Par	69472.50	
	_			-	_		made of angle	
2							er instructions of sitent.All materials r	
_							bolts nuts washers	
		•		•	•		ng by red oxide, p	
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	3	10.00	Numbers	158.14	1581.40	AT Par	1581.40	
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3	I.	,	,		•		HV rack . All fixing i	
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	4	200.00	Numbers	439.25	87850.00	AT Par	87850.00	
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5 6	conductor contractor contractor connection and provis tagblock for of relay bas 5 Description This include and simulur on/off/2was this item as 6 Description includes with board including serious RCIL/Railway 7 Description over its sumaterials serious	as per NR pradiction. This also includes with relay roots ases. (Inspection 5.00 on:- Fabrication panel.), by switches, with sall be supplied sufficient lamps way supply). (In 15.00 on:- Supply, with the supplied suffice and 1"x1 to be supplied to bon:- A set constitution on the supplied sufficient lamps way supply).	ctice conforming to the conforming and fixed some conforming to the conforming to th	ing to IRS specification CT rack to take wiring and sold I relays in relaytion of site Enginesentative) 5779.09 apply of Simulate to the simulation als and fuse be agblocks etc. to some Engg representative properties of the supplied by grepresentative 2309.24 and of description ton fitted all arou (Inspection: Engg shelf 0.3 mtr wide wiring and sold in the supplied by the suppl	fications, resistance ag block, tag block ag block, tag block ering, dressing, keroom and provision and provision panel as per nepanel. Only indeases shall be substituted by the entative) 48771.20 ard as per drawing only indoor cables ials such as wire by the contractor (resp.) 34638.60 and boards made out on the rear and grepresentative 45881.10 de adjoining operations.	ce and condo k to relays & punching, lac ion of potent ludes dressi AT Par drawing no. por cables (upplied by F e contractor AT Par ng no. SSTE s(for wiring B s, strips, tag unless explice AT Par f ply 6mm the s per instruct AT Par ating panel to	ensers is to be sup wiring of fuse etc. sing, fixing of relay tial free contacts for ng, bunching, lacin 28895.45 SSTE/ PS/1562 d for wiring between Railway.All materia (unless explicitly material function of the surface of the su	plied by the required in bases etcor relays of g and fixing t. 5.9.200 relay room als such a mentioned in an and larm nolders etc. All the site. All the ce 0.6 mtr.
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7	conductor contractor contractor connection and provis tagblock for of relay bas 5 Description This include and simulating item as 6 Description includes with board including second second including second second including second second including second second including second including second including second including second second including second	as per NR pradiction. This also includes with relay roots ases. (Inspection of LED indiction of LED indictio	ctice conforming to the conforming and fixed some conforming to the conforming to th	ing to IRS specification CT rack to take wiring and sold I relays in relaytion of site Enginesentative) 5779.09 upply of Simulate to the simulation als and fuse be agblocks etc. to some Engg representative properties of the simulation of the simulation of the supplied by representative 2309.24 and of description ton fitted all arou (Inspection: Engg shelf 0.3 mtr wides in each desk coninated wooden	fications, resistance ag block, tag block ag block, tag block ering, dressing, be room and provisioneer. This also inceer. Only indeases shall be substantiative) 48771.20 ard as per drawing only indoor cables in the contractor (resp.) 34638.60 and boards made out on the rear and grepresentative also in the rear and grepresentative also inceer. The contractor of the property of the contractor of the property of the adjoining operations are revolving chains and of size 20	ce and condo k to relays & counching, lac ion of potent ludes dressi AT Par drawing no. cor cables (upplied by F e contractor AT Par ng no. SSTE s(for wiring B s, strips, tag unless explice AT Par f ply 6mm the s per instruct AT Par ating panel to ir for ASM to mm thick of	ensers is to be sup wiring of fuse etc. sing, fixing of relay tial free contacts for ng, bunching, lacin 28895.45 SSTE/ PS/1562 d for wiring between Railway.All materia (unless explicitly material function of the surface of the su	plied by the required in bases etcor relays of g and fixing t. 5.9.200 relay room also such a sentioned in an and laminolders etc. All the site. All the te 0.6 mtr. iments. The town and t
7	conductor contractor contractor connection and provis tagblock for of relay bas 5 Description This include and simulating item as 6 Description includes with board including second second including second second including second second including second second including second including second including second including second second including second	as per NR pradiction. This also includes with relay roots ases. (Inspection of LED indiction of LED indictio	ctice conforming to the conforming described wiring from /relay hut dication of vital as per instruction: Engg representations, wiring & sure Relay room ARA terminates, strips & tably). (Inspection Numbers of the conforming of the conforming and fixing and fixing and fixing wooden battory contractor. Numbers sisting of one & two drawers de with prelaming to match with string and fixing the conforming of	ing to IRS specification CT rack to take wiring and sold if relays in relaytion of site Enginesentative) 5779.09 upply of Simulate to the simulation als and fuse be agblocks etc. to son: Engg representative, 9754.24 pply of lamp bose lamp board. Colliway. All materion be supplied by grepresentative, 2309.24 ng of description ton fitted all arou (Inspection: Engg shelf 0.3 mtr wides in each desk continated wooden the colour of	fications, resistance ag block, tag block ag block, tag block ering, dressing, be room and provisioneer. This also inceer. This also inceers shall be supplied by the entative) 48771.20 ard as per drawire only indoor cables ials such as wire by the contractor(res) 34638.60 a boards made ound on the rear as ag representative 45881.10 de adjoining operatore revolving challowed of size 20 panel). The chai	ce and condo k to relays & punching, lac ion of poten ludes dressi AT Par drawing no. por cables (upplied by F e contractor AT Par ng no. SSTE s(for wiring B s, strips, tag unless explice AT Par f ply 6mm th s per instruce) AT Par ating panel to ir for ASM to mm thick of r should be	ensers is to be sup wiring of fuse etc. sing, fixing of relay tial free contacts for mg, bunching, lacin 28895.45 SSTE/ PS/1562 d for wiring between Railway.All materia (unless explicitly material (unless explicitly material) (unless explicitly ma	plied by the required in bases etcor relays of g and fixing t. 5.9.200 relay room als such a sentioned in the second fixed and the site. All the remembers of the thought of the properties of the second fixed fi
7	conductor contractor contractor connection and provis tagblock for of relay bas 5 Description This include and simulating item as 6 Description includes with board including second second including second second including second second including second second including second including second including second including second second including second	as per NR pradiction. This also includes with relay roots ases. (Inspection of LED indiction of LED indictio	ctice conforming to the conforming described wiring from /relay hut dication of vital as per instruction: Engg representations, wiring & sure Relay room ARA terminates, strips & tably). (Inspection Numbers of the conforming of the conforming and fixing and fixing and fixing wooden battory contractor. Numbers sisting of one & two drawers de with prelaming to match with string and fixing the conforming of	ing to IRS specification CT rack to take wiring and sold if relays in relaytion of site Enginesentative) 5779.09 upply of Simulate to the simulation als and fuse be agblocks etc. to son: Engg representative, 9754.24 pply of lamp bose lamp board. Colliway. All materion be supplied by grepresentative, 2309.24 ng of description ton fitted all arou (Inspection: Engg shelf 0.3 mtr wides in each desk continated wooden the colour of	fications, resistance ag block, tag block ag block, tag block ering, dressing, be room and provisineer. This also incompanel as per in panel. Only independent of the supplied by the entative) 48771.20 ard as per drawire only indoor cables als such as wire by the contractor (rep) 34638.60 and boards made ound on the rear and ag representative de adjoining operations of size 20 panel). The chaitions of site engineric dressing in the contractor of the contr	ce and condo k to relays & punching, lac ion of poten ludes dressi AT Par drawing no. por cables (upplied by F e contractor AT Par ng no. SSTE s(for wiring B s, strips, tag unless explice AT Par f ply 6mm th s per instruce) AT Par ating panel to ir for ASM to mm thick of r should be	ensers is to be sup wiring of fuse etc. sing, fixing of relay tial free contacts for mg, bunching, lacin 28895.45 SSTE/ PS/1562 d for wiring between Railway.All materia (unless explicitly material (unless explicitly material) (unless explicitly ma	plied by the required in bases etcor relays of g and fixing t. 5.9.200 relay room als such a sentioned in the second fixed and the site. All the remembers of the thought of the properties of the second fixed fi

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	representa		Numbers	7.77	1740480.00	AT Par	ortionately. (Inspe	
0	Description	n:- Supply and	d laying of 2nd	d class bricks in		aying as per c	Irg. No.(NR/S&T/C	ON/1.1/97
	11	934.00	Numbers	255.00	238170.00	AT Par	238170.00	
1	_	on:- Fabrication or shall be fixe	n, supply and	-	marker of 1:3:6	concrete as p	perNo.NR/S&T/CO ngr. at site. (Inspe	
	12	1000.00	Metre	93.99	93990.00	AT Par	93990.00	
2	track or 0. form a dra	5Mtr. from gro in. This include	und level whices removal an	ch ever is more d refilling of bal	(NR/S&T/CON /1	.2/97). Earth of surface ur	ottom of rail flange should be ramme nder normal traffic ative)	d so as no
	13	1000.00	Metre	114.41	114410.00	AT Par	114410.00	
13	surface, ro	ad crossing/pla	atform etc. an		surface to its orig	•	n pitched/Stone/bi	
	14	5000.00	Metre	1738.39	8691950.00	AT Par	8691950.00	
4	nominal di Amendme horizontal	a (DN) with ma	iterial classific ore for the la be minimum	ation as PE-80 ying of Signalir 1500 mm from	and Nominal Pres ng/Telecom./Pow	sssure PN-6 a er cables un	elf-lubricated pipe as per IS:4984-95 der the track/roac vel. (Cable laying	(with lates I. Depth o
	15	500.00	Metre	416.43	208215.00	AT Par	208215.00	
15	long with o	ollar(or ring a road & L-xing of Inspection:Er	at joints) as pogates etc. as p	er latest IS spec per Drg. No. NR/ ative.)	. No. 458 -1988	(with latest a 7 & 1.1/97-A	te 150 mm inner d mendments) in tre and as per instruc	nch acros
	16	551000.00	Metre	8.35	4600850.00	AT Par	4600850.00	
16	and as per type of ou filled up by	cable route p tdoor cables. contractor and	lan approved Meggering to d submitted to	by RailTel/Railw be done for ea RailTel. (Inspec	vay and meggering the drum separate ction: Engg representations	ng of cable be tely Meggerir sentative.)	I. No.(NR/S&T/COlefore and after its ag sheets to be su	laying of a
	17	15000.00	CORE	13.42	201300.00	AT Par	201300.00	
17	ends and princludes procable sepa	providing identi reparation of to trately after ter	fication ferrule est report for mination of c	e on each core of core to core & able. This also is	under supervisior core to earth on	of RCIL/Rail prescribed p & lacing of c	aying and terminat way representative roforma for each cable on both ends presentative)	e. This also
	18	253.00	Numbers	5788.17	1464407.01	AT Par	1464407.01	
	Descripti	_	_	_			Single app.case	
18	contractor	. App. Case Si	ngle will be su	pplied by Railwa	nent,sand,aggreg ay. Contractor is ermination. (Inspe	required to ex	cecute all type of re	
18	contractor	. App. Case Si	ngle will be su	pplied by Railwa	ay. Contractor is	required to ex	cecute all type of re	
9	contractor of foundati 19 Descripti Drg.No.NF contractor	App. Case Sion if required of 112.00 on:- Casting, //S&T/CON/2. 4. App. Case h	ngle will be suduring insertin Numbers concreting 3/97. All mate alf will be sup	pplied by Railways the cable for to the cable for the solution of the cable for the ca	ay. Contractor is ermination. (Inspendent of Section 1987) foundation and ment, sand, aggregaliway. Contract	required to exection: Engg (AT Par d erection gate and and or is required	representative)	es as pesupplied be of repa

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20	Description:- Preparation of App. Case single involving wiring of relays. it includes - (i) Preparation & fixing of bakelite hylum sheet 910x800x6mm and teak wooden shelf 900x450x25mm duly fixed by angle iron piece of different size inside all the app. Cases. Hylum board shall be fixed on an angle iron frame of 25mmx25mmx3mm. Angle iron frame will be fixed in location boxes secured by nuts & bolts. (ii) Fixing of fuses, ARA terminal shelf type Q series relays and other type relays on square bars fixing and jamming of cables with 2 inch thick salwood plank provided at the bottom. This will include opening, pasting and jamming armour of each cable in the hole drilled separately for each cable through the salwood plank & all cable entry points on location boxes, location huts, JB's relay room/battery room to be closed with suitable masonry works covered with sand and plastering. (iii) Description for terminal drawing of circuits, inside app. Case. Painting from out side as well inside with red oxide and aluminum paint is covered separately. Size of lettering will be 100mm or as per instructions of Engineer at site. (iv) All materials including hard wood shelf, hylum board, salwood plank, angle iron square bar, wire and wiring material as per the IRS specn., non deteriorating type HRC fuses, bases, nuts and bolts and other items shall be supplied by the contractor. Relays, ARA terminals only shall be supplied by the RailTel. (Inspection :Engg representative.)
	ii 80.00 Numbers 4908.68 392694.40 AT Par 392694.40
20	Description:- Preparation of App. Case single not involving wiring of relays. it includes - (i) Preparation & fixing of bakelite hylum sheet 910x800x6mm and teak wooden shelf 900x450x25mm duly fixed by angle iron piece of different size inside all the app. Cases. Hylum board shall be fixed on an angle iron frame of 25mmx25mmx3mm. Angle iron frame will be fixed in location boxes secured by nuts & bolts. (ii) Fixing of fuses, ARA terminal shelf type Q series relays and other type relays on square bars fixing and jamming of cables with 2 inch thick salwood plank provided at the bottom. This will include opening, pasting and jamming armour of each cable in the hole drilled separately for each cable through the salwood plank & all cable entry points on location boxes, location huts, JB's relay room/battery room to be closed with suitable masonry works covered with sand and plastering. (iii) Description for terminal drawing of circuits, inside app. Case. Painting from out side as well inside with red oxide and aluminum paint is covered separately. Size of lettering will be 100mm or as per instructions of Engineer at site. (iv) All materials including hard wood shelf, hylum board, salwood plank, angle iron square bar, wire and wiring material as per the IRS specn., non deteriorating type HRC fuses, bases, nuts and bolts and other items shall be supplied by the contractor. Relays, ARA terminals only shall be supplied by the RailTel. (Inspection :Engg representative.)
	iii 48.00 Numbers 2935.21 140890.08 AT Par 140890.08
20	Description:- Preparation of App. Case to be used as battery box. (Not requiring shelf. Hylum of size 910x150 x 6mm only required).it includes - (i) Preparation & fixing of bakelite hylum sheet 910x800x6mm and teak wooden shelf 900x450x25mm duly fixed by angle iron piece of different size inside all the app. Cases. Hylum board shall be fixed on an angle iron frame of 25mmx25mmx3mm. Angle iron frame will be fixed in location boxes secured by nuts & bolts. (ii) Fixing of fuses, ARA terminal shelf type Q series relays and other type relays on square bars fixing and jamming of cables with 2 inch thick salwood plank provided at the bottom. This will include opening, pasting and jamming armour of each cable in the hole drilled separately for each cable through the salwood plank & all cable entry points on location boxes, location huts, JB's relay room/battery room to be closed with suitable masonry works covered with sand and plastering. (iii) Description for terminal drawing of circuits, inside app. Case. Painting from out side as well inside with red oxide and aluminum paint is covered separately. Size of lettering will be 100mm or as per instructions of Engineer at site. (iv) All materials including hard wood shelf, hylum board, salwood plank, angle iron square bar, wire and wiring material as per the IRS specn., non deteriorating type HRC fuses, bases, nuts and bolts and other items shall be supplied by the contractor. Relays, ARA terminals only shall be supplied by the RailTel. (Inspection :Engg representative.)
	i 27.00 Numbers 4008.03 108216.81 AT Par 108216.81
21	Description:- Preparation of App. Case half involving wiring of relays. (i) Preparation and fixing of bakelite hylum sheet 450x800x6mm and teak wooden shelf 450x450x25mm duly fixed by angle iron piece of different size inside all the app. Cases. Hylum board shall be fixed on an angle iron frame of 25mm/25mm/3mm. Angle iron frame will be fixed in location box secured by nuts & bolts.(ii) Fixing of fuse ARA terminal, shelf type Q series relays and other type of relays on square bars, fixing and jamming of cable with 2 inch thick salwood plank provided at the bottom. This will include opening, twisting and jamming armor of each cable in the hole drilled separately for each cable through the salwood plank and of cable entry points on location boxes, location nuts JB's relays room battery/room to be closed with suitable masonry work covered with sand & plastering.(iii) Wiring description for terminal, drawing of circuits inside app. Case. Painting from outside as well as inside with RED oxide aluminum paint is covered separately. Size of lettering wll be 100mm or as per instructions of Engr. at site.(iv) All material including teak wood shelf, hylum board, salwood plank, angle iron square bar, wire and wiring material as per the IRS spec. Non deteriorating type HRC fuses and bases nuts and bolts and other items shall be supplied by the contractor. Relays, ARA terminals only shall be supplied by the RailTel. (Inspection Engg representative)
	ii 35.00 Numbers 3390.24 118658.40 AT Par 118658.40
	35.00

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21	Description:- Preparation of App. Case half not involving wiring of relays.(i) Preparation and fixing of bakelite hylum sheet 450x800x6mm and teak wooden shelf 450x450x25mm duly fixed by angle iron piece of different size inside all the app. Cases. Hylum board shall be fixed on an angle iron frame of 25mm/25mm/3mm. Angle iron frame will be fixed in location box secured by nuts & bolts.(ii) Fixing of fuse ARA terminal, shelf type Q series relays and other type of relays on square bars, fixing and jamming of cable with 2 inch thick salwood plank provided at the bottom. This will include opening, twisting and jamming armor of each cable in the hole drilled separately for each cable through the salwood plank and of cable entry points on location boxes, location nuts JB's relays room battery/room to be closed with suitable masonry work covered with sand & plastering.(iii) Wiring description for terminal, drawing of circuits inside app. Case. Painting from outside as well as inside with RED oxide aluminum paint is covered separately. Size of lettering wll be 100mm or as per instructions of Engr. at site. (iv) All material including teak wood shelf, hylum board, salwood plank, angle iron square bar, wire and wiring material as per the IRS spec. Non deteriorating type HRC fuses and bases nuts and bolts and other items shall be supplied by the contractor. Relays, ARA terminals only shall be supplied by the RailTel. (Inspection Enggrepresentative)							
	iii 50.00 Numbers 2404.94 120247.00 AT Par 120247.00							
21	Description:- Preparation of Apparatus Case half to be used as Battery Box (Not requiring shelf. Hylum of size 450 x 150 x 6 mm only required) (i) Preparation and fixing of bakelite hylum sheet 450x800x6mm and teak wooden shelf 450x450x25mm duly fixed by angle iron piece of different size inside all the app. Cases. Hylum board shall be fixed on an angle iron frame of 25mm/25mm/3mm. Angle iron frame will be fixed in location box secured by nuts & bolts.(ii) Fixing of fuse ARA terminal, shelf type Q series relays and other type of relays on square bars, fixing and jamming of cable with 2 inch thick salwood plank provided at the bottom. This will include opening, twisting and jamming armor of each cable in the hole drilled separately for each cable through the salwood plank and of cable entry points on location boxes, location nuts JB's relays room battery/room to be closed with suitable masonry work covered with sand & plastering.(iii) Wiring description for terminal, drawing of circuits inside app. Case. Painting from outside as well as inside with RED oxide aluminum paint is covered separately. Size of lettering wll be 100mm or as per instructions of Engr. at site.(iv) All material including teak wood shelf, hylum board, salwood plank, angle iron square bar, wire and wiring material as per the IRS spec. Non deteriorating type HRC fuses and bases nuts and bolts and other items shall be supplied by the contractor. Relays, ARA terminals only shall be supplied by the RailTel. (Inspection Engg representative) 22 20.00 Sqm 4980.80 99616.00 AT Par 99616.00 Description:- Supply & fixing of bakelite sheet 6 mm thick of grade P-1001 (paper based) hylam Make or any other stores are applied by the part and beautions are ap							
	other reputed brand conforming to IS spec.no.IS-1998-1962 B22 in existing locations or any other place as per instructions of site engineer. (Inspection: Engg representative).							
	23 70.00 Numbers 10722.32 750562.40 AT Par 750562.40							
23	Description:- Casting, concreting and curing of foundation for main signal as per Drg. no. NR/ S&T/ CON/2.1/97 all material such as anchor bolts cement & agregate to be supplied by contractor. (Inspection: Engg representative)							
24	24 30.00 Numbers 3593.83 107814.90 AT Par 107814.90 Description:- Casting, concreting and curing of foundations for shunt signal as per drg. No. NR/ S&T/CON/2.1/97-A. All material such as cement, sand, aggregate & foundation bolts will be supplied by contractor. (Inspection: Engg representative)							
25	Description:- Installation, erection, wiring of 2 aspect color light signal - it includes (a) Fixing of CLS surface base, bolting on the foundation. Erection of CLS post with signal unit on the top or on an off set bracket and fitting ladder and guard to the post at the top. Concreting ladder base and embedded into the ground with supporting bracket in the middle, blanking of the ladder for a distance of 1 feet between the height 6' 9" and 7' 9" from the rail level by MS angle and MS sheet 6mm thick wherever required.(b)Provision of wooden (sal) cross arm 1 M x 1M for CLS unit prior to the commissioning, fixing of lense, lamp holder/lamp current regulator and hoods of CLS unit, terminating cables, wiring the CLS unit & foxing the signal. Elevation & distance of foundation from track shall be in accordance with schedule of dimension for Indian Railways published by Govt. of India and approved drawings. (c) All items for the above works except signal unit, LED signal, Signal post, base and ladder shall be supplied by the contractor including but not limited to the following: (i) "U" bolt for offset brackets.(ii) Wooden cross arm 1 mtr. x 1 mtr.(iii) MS angle and MS sheet for blanking of ladder.(iv) Wire mesh guard, lock for unit if required, nuts and bolts etc. (v) Supply and fixing of Signal Number Plate (Retrorefelctive Type) with complete fittings as per standard railway practice.(Inspection:Engg representative.) ii 31.00 Numbers 4146.73 128548.63 AT Par 128548.63							

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g on the foundary guard to the posterior to the posterior to the concables, wiring the with schedule of the with s	ation. Erection ost at the top. sing of the ladd sheet 6mm the mmissioning, fine CLS unit & for dimension flavorks except so not limited to MS sheet for befixing of Signappection: Engine Prection, wire oute indicator of gixing of offs rection including material, 'Use foundation.' do to the post hiddle, blanking ngle and MS services at the services of the services	of CLS post with Concreting ladd der for a distance lick wherever reciving of lense, lar foxing the signal was signal unit, LED state of 2/3/4 as which also included the signal unit punction to 1/2 bolts will be servection of CLS at the top. Concert of the ladder for sheet 6mm thick	signal unit on the er base and ember of 1 feet between quired.(b) Provision mp holder/lamp of Elevation & distributed by signal, Signal posture of C.(iv) Wire meshed (Retrorefelctive). 81664.80 spect colour ligues fixing of routing the whole unit, ype route indicate upplied by the copost with signal creting ladder base of 1 feet between 1 feet by the copost with signal creting ladder base of 1 feet between 1 feet by the copost with signal creting ladder base of 1 feet between 2 feet by the copost with signal creting ladder base of 1 feet between 2 feet by the copost with signal creting ladder base of 1 feet between 2 feet by the copost with signal creting ladder base of 1 feet between 2 feet by the copost with signal creting ladder base of 1 feet by the copost with signal creting ladder base of 1 feet between 2 feet by the copost with signal creting ladder base of 1 feet by the copost with signal creting ladder base of 1 feet by the copost with signal creting ladder base of 1 feet by the copost with signal creting ladder base of 1 feet by the copost with signal creting ladder base of 1 feet by the copost with signal creting ladder base of 1 feet by the copost with signal creting ladder base of 1 feet by the copost with signal creting ladder base of 1 feet by the copost with signal creting ladder by the copost with signal cret	e top or on ar pedded into the new the height 6 on of wooden current regulate ance of founds ance of founds at, base and last brackets.(ii) guard, lock fow Type) with AT Par ht signal inclusion of focusing of sitor and offset contractor - it i	(a) Fixing of CLS sum off set bracket and off set bracket and one ground with supposition of 9" and 7' 9" from the (sal) cross arm 1 M tor and hoods of CLS ation from track shall a and approved draw adder shall be supplied Wooden cross arm of a complete fittings as 81664.80 shall be supplied to the signal of the signal of the signal of the supplied bracket to be supplied to the supplied of the supplied bracket to be supplied to the supplied of the supplied o
MS angle and Mov) Supply and allway practice.(In 20.00 on:- Installation, I/Theatre type rows bracket including stallation and erright and guar bracket in the mount of the mo	MS sheet for being fixing of Signary Numbers erection, wire oute indicator of sixing of offs rection including material, 'Ue foundation.' do to the post hiddle, blanking ngle and MS services.	lanking of ladder al Number Plate grepresentative 4083.24 ing of 2/3/4 as which also included by the set bracket, wiring unit junction to J' bolts will be serection of CLS at the top. Concert of the ladder for sheet 6mm thick	r.(iv) Wire mesh e (Retrorefelctiv.) 81664.80 spect colour lig des fixing of rout g the whole unit, ype route indicat upplied by the c post with signal creting ladder ba	guard, lock for the Type) with AT Par the signal include indicator on focusing of sitor and offset contractor - it is	r unit if required, nutsing complete fittings as 81664.80 luding 1/2/3/4/5 way the top of the signal gnal & route indicator bracket to be supplied
on:- Installation, I/Theatre type ro bracket including stallation and eriring & other fixing on the adder and guar bracket in the mill level by MS and 1M for CLS uni	erection, wire oute indicator on grixing of offs rection includiring material, 'the foundation.'d to the post hiddle, blanking ngle and MS s	ing of 2/3/4 as which also include the bracket, wiring unit junction the bolts will be serection of CLS at the top. Concert of the ladder for sheet 6mm thick	spect colour lig des fixing of rout g the whole unit, ype route indicat upplied by the c post with signal creting ladder ba	ht signal incle indicator on focusing of sitor and offset ontractor - it i	luding 1/2/3/4/5 way the top of the signal gnal & route indicator bracket to be supplie
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shall be in accor lrawings. (c) All i upplied by the co oss arm 1 mtr. x ired, nuts and l	rdance with sc items for the a ontractor inclu 1 mtr.(iii) MS bolts etc. (v)	iring the CLS un hedule of dimen above works exceeding but not lim angle and MS sl Supply and fixin	wherever requir fixing of lense, I it & foxing the si- sion for Indian R ept signal unit, L nited to the follo- heet for blanking	se and ember feet betweer red. (b) Provis amp holder/la gnal. Elevation ailways publis ED signal, Sig wing: (i) "U" It of ladder.(iv) nber Plate (p or on an off set bridded into the ground the height 6' 9" and sion of wooden (sal) amp current regulator a & distance of found shed by Govt. of Indiagnal post, base and labolt for offset bracke Wire mesh guard, lore Retrorefelctive Type)
30.00	Numbers	1124.11	33723.30	AT Par	33723.30
unt signal, surfa	ce base & sigr		wiring of shunt u	-	nal/F Marker.This inc al such as wire etc. w
40.00	Numbers	925.67	37026.80	AT Par	37026.80
ket. Which also i signal/shunt sig	ncludes fixing gnal complete e schedule). U	of stencil and ho will be supplie l-bolts for offset b	oods, wiring and d by RailTel (S	focussing of the supply of call	post below main sign he signal. Offset brac ing on signal is cov erial will be supplied b
50.00	Numbers	8383.81	419190.50	AT Par	419190.50
f switch extension of connection, a Supply of wiring trip for cable te ord junction box erials, various fi	on / P bracket adjusting the c g material and ermination. iii) through Gland ixing nuts and odding and ins	c, providing insult orrect opening of I wiring inside the Supply and fixing I/ GI pipe.iv) Co I bolts, angle inconsultation for street	ation for switch of switches and a ne point machin ing of GI pipes mplete material ons (75mm x 75	extension bra adjusting the p e & 30 line ju with flange fo for installation omm x 10mm	d. Practice. It also inc icket/P-bracket/L-bracket/L-bracket/I-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bracket/L-bra
			368050 00	AT Par	368050 80
.) Alt. 1 will be su	Numbers		oox for crank ha	ndle locking. ⁻ tion of tail cal	
39.00 n:- Installation on M.S sheet of agneto telephoner. All material encludes fixing concludes fixing constants.	4.5 mm thick nes, wiring of l except KLCR r of wards on p	KLCR, push butt elay & its box a	nd magneto tele oundation & inst		supplied by the contraction box is covered
n:		M.S sheet of 4.5 mm thick		gneto telephones, wiring of KLCR, push buttons and termina	gneto telephones, wiring of KLCR, push buttons and termination of tail cal

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30	Description:- Installation & wiring of Berthing and straight track circuits to suit RE area as per std. Practice - This will include following:- (a) Drilling of holes 7.2 mm dia or size as required. Provision of continuous GI wire bonding on switch portion & crossing of points with two bond wires at each joints. 8 SWG GI soft bond wire, channel bond pins & all other material required will be supplied by the contractor.(b) Jumpering from rail to rail or to track lead junction box including polarity jumpers /cables in case of point track circuit as per drg. No.NR/S&T/CON/3.1/97 and as per jumpering plan. This includes drilling holes, fixing of jumpers to the rails, terminating the jumpers in the TLJBs and fixing the jumper as per site requirement and instructions of site Engineer. One TLJB to be provided extra for each polarity jumper/cable. All materials including fiber TLJBs, GI pipe are to be supplied by the contractor. (c) Fixing of insulated block joints complete with provision of skimmed fish plates (where ever required). Fish plates shall be supplied by the RailTel but skimming is to be got done by contractor. Supply of insulation material is not included. (d) Fixing of TLJBs as per drg. No.(NR/ S&T/ CON/ 3. 2/ 97) along with providing concrete foundation and plastering on both ends i.e. T.F. and TR end and termination of tail cables at both ends. All material for fixing including angle iron, cement, sand etc. shall be supplied by the contractor. This also include supply of TLJBs with provision of M-6 terminals. TLJBs to be written with track circuit number. (e) Wiring in the app. Case of TF battery chargers, TF resistances 30 Ohm, track relays, chokes (at both feed end and relay end) & batteries etc. as per the standard practice using NDT fuses with fuse bases and terminals. This include supply of all material by contractor except TF battery charger, batteries, fuse with bases, Choke and relays which shall be supplied by the RCIL / Railway. The wiring shall be done with 3/0.029" copper conductor PVC wir
	ii 44.00 Numbers 16509.76 726429.44 AT Par 726429.44
30	Description:- Installation & wiring of Point track circuits having single point (excluding traps.Trap points & one main point to be counted as single point track circuit) to suit RE area as per std. Practice - This will include following:- (a) Drilling of holes 7.2 mm dia or size as required. Provision of continuous GI wire bonding on switch portion & crossing of points with two bond wires at each joints. 8 SWG GI soft bond wire, channel bond pins & all other material required will be supplied by the contractor.(b) Jumpering from rail to rail or to track lead junction box including polarity jumpers /cables in case of point track circuit as per drg. No.NR/S&T/CON/3.1/97 and as per jumpering plan. This includes drilling holes, fixing of jumpers to the rails, terminating the jumpers in the TLJBs and fixing the jumper as per site requirement and instructions of site Engineer. One TLJB to be provided extra for each polarity jumper/cable. All materials including fiber TLJBs, GI pipe are to be supplied by the contractor. (c) Fixing of insulated block joints complete with provision of skimmed fish plates (where ever required). Fish plates shall be supplied by the RailTel but skimming is to be got done by contractor. Supply of insulation material is not included. (d) Fixing of TLJBs as per drg. No.(NR/ S&T/ CON/ 3. 2/ 97) along with providing concrete foundation
	and plastering on both ends i.e. T.F. and TR end and termination of tail cables at both ends. All material for fixing including angle iron, cement, sand etc. shall be supplied by the contractor. This also include supply of TLJBs with provision of M-6 terminals. TLJBs to be written with track circuit number. (e) Wiring in the app. Case of TF battery chargers, TF resistances 30 Ohm, track relays, chokes (at both feed end and relay end) & batteries etc. as per the standard practice using NDT fuses with fuse bases and terminals. This include supply of all material by contractor except TF battery charger, batteries, fuse with bases, Choke and relays which shall be supplied by the RCIL / Railway. The wiring shall be done with 3/0.029" copper conductor PVC wire of approved quality. (f) Commissioning of track circuits as per provisions of paras of IRS spec. No. S-36/81. This includes adjustment of track feed resistance and testing with train shunt resistance. (Inspection:Engg representative.)
	and plastering on both ends i.e. T.F. and TR end and termination of tail cables at both ends. All material for fixing including angle iron, cement, sand etc. shall be supplied by the contractor. This also include supply of TLJBs with provision of M-6 terminals. TLJBs to be written with track circuit number. (e) Wiring in the app. Case of TF battery chargers, TF resistances 30 Ohm, track relays, chokes (at both feed end and relay end) & batteries etc. as per the standard practice using NDT fuses with fuse bases and terminals. This include supply of all material by contractor except TF battery charger, batteries, fuse with bases, Choke and relays which shall be supplied by the RCIL / Railway. The wiring shall be done with 3/0.029" copper conductor PVC wire of approved quality. (f) Commissioning of track circuits as per provisions of paras of IRS spec. No. S-36/81. This includes adjustment of track feed resistance and testing with train shunt resistance. (Inspection:Engg representative.)
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35	Description:- Supply burrying of earth electrodes pipe of 3 metre length and 50 mm dia. pointed on lower end by tappering for a length of 150mm as per drg. No. NR / S&T/ Proj /16.1 /2015 and connecting with lightening arrester or signalling gears as per std. practices. The item includes digging of pit in earth 3 Mtrs. deep and fixing earth electrode pipe in it. Earth pipe shall be burried in the ground to the length of 2.7 Mtr after welding 6 SWC wire at the lower end and fixing through nut and bolt at the top. This includes casting of cement concrete enclosures as per drg. No. NR / S&T/ Proj /16.2 /2015. The enclosure is to be plastered on all sides with cemen & sand mixture of 1:4 ratio. The soil treatment shall be done as per standard practices. The item includes provision of earth lead wires 6 SWG and soldering of lead wires. The other end of the earth wire to be connected to block instruments/ cable sheath/ power equipment / apparatus case/ relay racks or any other equipment as per the instructions of site Engineer & as per IRSEM. (Inspection:Engg representative)
	36 34.00 Numbers 569.84 19374.56 AT Par 19374.56
36	Description:- Installation of desk type magneto telephone with all accessories including Standard battery box and 3 nos. of 6 I cells. All materials for this installation including standard battery box and 6I cells will be supplied by the contractor. Only desk type magneto telephone will be supplied by RCIL/Railway. (Inspection:Engineeresentative)
	37 5.00 Station 230273.00 1151365.00 AT Par 1151365.00
37	Description:- Cleaning, Scrapping, Painting and lettering of all newly installed and existing gears such a signals, point equipment, track circuit equipment with T.C. no on rail, app. Cases, JB, TL JBs, point rodding cranks, compensators etc. including gate equipment if existing in station section as per the provision of IRSEM. A painting material to be supplied by the contractor. All paints (ISI marked) shall be approved by Railway Enginee prior to painting and certificate to this effect submitted to Railway. This item also includes writing and painting requirement of all indoor and outdoor gears along with making of all circuit nos. near terminal and terminal boards/track in app. cases, junction boxes, relay room, SMs room, writing of relay nomenclature fuse nos. and equipment nomenclature as the approved plans and as per provision of IRSEM at Way side station (Inspection:Engg representative)
	38 6.00 Set 73467.16 440802.96 AT Par 440802.96
38	Description:- Installation, testing & commissioning of HASSDAC. This includes integration of HASSDAC with block instruments. (Inspection:Engg representative)
	39 15.00 Numbers 3606.64 54099.60 AT Par 54099.60
39	Description:- Installation wiring & commissioning of 4 wire way station equipment. Item required for insallation such as wires, wiring material, connectors, battery rack run way, hardware etc to be supplied by contractor (Inspection:Engg representative)
40	40 10.00 Hour 939.24 9392.40 AT Par 9392.40 Description:- Engaging mechanical excavators like JCB or other machineries for regrading & leveling the formation, dismantling any infringing structures, cleaning & removing debris etc. with all lead & lift etc complete as per instructions of RCIL/Rly representative at site.
	41 5.00 Numbers 15014.28 75071.40 AT Par 75071.40
41	Description:- Fabrication, supply, installation and wiring of power supply board in IPS Room/relay hut/relay room as per drg No SSTE/PS/1237 dt 26.02.92 and extension of the powersupplies from IPS to power supply board and from power supply board upto MDF board. This includes fixing of ARA terminals, fuse bases, switches etc and termination of power wires/cables. This includes supply of all wiring and termination materials except terminal and fuses, power and underground cables/wires. wherever outdoor U/G cables are to be laid it is covered seprately.
	42 5.00 Numbers 17342.77 86713.85 AT Par 86713.85
42	Description:- Freight charges of complete IPS System from RCIL/Railway Store to Station along with loading and stacking at proper place.
	43 5.00 Numbers 52253.35 261266.75 AT Par 261266.75
43	Description:- Installation of Single Phase DG set 20 KVA with 20 BHP Diesel Engine. This also includes foundation (DG foundation as per drg. No. RE/S&T/Tender/SK/12/03 dt. 20.04.88 or as specified by OEM of DG set), installation, earthing of the above as per manufacturer guidelines and commissioning of the DG set with sound proof enclosure in the DG Room, with push button start and changeover switch in ASM's room as per the instructions of the site Engr and technical conditions of the tender document. All materials required for the foundation, installation, earthing & wiring of the above are to be supplied by the contractor except laying of U/C Power cable from DG room to ASM's room which is covered separately. DG set to be installed by OEM or under supervision of EOM. Certificate from OEM for this DG set installation is to be suppolied by the contractor. Inspection: Consignee/ Site Engg.)
	44 5.00 Numbers 8064.89 40324.45 AT Par 40324.45
44	Description:- Installation, witing and commissioning of AMF panel control cubicle in ASM room as per standard drawing with technical condition of tender document. (Inspection: Consignee/Site Engg.)
	g
	45 2.00 Kilometre 10936.63 21873.26 AT Par 21873.26

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	(Inspection by Site Engineer)
	46 41.00 Numbers 3510.23 143919.43 AT Par 143919.43
46	Description:- Removal of existing mechanical point fittings and FPL assembly from points, fixing of point machine, ground connection, adjustment of point opening to required inches and testing with crank handle for operation, removal of ground connection, point machine.
	i 67.00 Numbers 1192.70 79910.90 AT Par 79910.90
4 7	Description:- Dismantling and releasing of colour light signal/semaphore signal post which includes dismantlin of signal fittings complete. All dismantled material to be transported and stacked in the store of RCIL SSE/Sig/Store/ASR or any other store of Northern Railway. Notes: (1) Before dismantling a joint survey is to b done with the site Engineer and report must be submitted to the controlling officer in duplicate. Tools & plants ladders, scaffoldings and all other equipments required for dismantling to be arranged by the contractor at his ow cost. (2) The rates given for dismantling are subject to the following conditions in addition to the conditions as lai
	down in NR General conditions of contract and Standard Specifications. (3) Unless or otherwise specified the rates covers the cost of tools & plants,ladders,scaffoldings and all other equipments required for dismantling. (4 Unless otherwise specified, the rates includes leading of material up to the store of RCIL or SSE/C/ASR, stackin dismantled material in the store as required specially itemwise or transporting to SSB depot or JUD workshop a per directions of site engineer.
	ii 2500.00 Metre 17.82 44550.00 AT Par 44550.00
47	Description:- Dismantling and releasing of rod run from lead off and final to different function I.e. points, locks lock bars/holding bars/clearance bar which includes cranks, compensators, trestles 4/2 way bottom rollers, top rollers, top pins point equipment sodding. All dismantlled material to be transported and stacked in the store of RCIL or SSE/Sig/Store/ASR or any other store of Northern Railway.Notes: (1) Before dismantling a joint survey is to be done with the site Engineer and report must be submitted to the controlling officer in duplicate. Tools of plants, ladders, scaffoldings and all other equipments required for dismantling to be arranged by the contractor as his own cost. (2) The rates given for dismantling are subject to the following conditions in addition to the conditions as laid down in NR General conditions of contract and Standard Specifications. (3) Unless or otherwise specified the rates covers the cost of tools & plants,ladders,scaffoldings and all other equipments required for dismantling (4) Unless otherwise specified, the rates includes leading of material up to the store of RCIL or SSE/C/ASR stacking dismantled material in the store as required specially itemwise or transporting to SSB depot or JUI workshop as per directions of site engineer.
	iii 50.00 Numbers 597.41 29870.50 AT Par 29870.50
47	Description:- Dismantling and releasing of lever frames which includes all S&T fittings of electrical and mechanical on top floor and basement of the cabins and station. All dismantelled material to be transported and stacked in the store of RCIL or SSE/Sig/Store/ASR or any other store of Northern Railway.Notes: (1) Before dismantling a joint survey is to be done with the site Engineer and report must be submitted to the controlling officer in duplicate. Tools & plants, ladders, scaffoldings and all other equipments required for dismantling to be arranged by the contractor at his own cost. (2) The rates given for dismantling are subject to the following conditions in addition to the conditions as laid down in NR General conditions of contract and Standard Specifications. (3) Unless or otherwise specified the rates covers the cost of tools & plants,ladders,scaffolding and all other equipments required for dismantling. (4) Unless otherwise specified, the rates includes leading of material up to the store of RCIL or SSE/C/ASR, stacking dismantled material in the store as required specially itemwise or transporting to SSB depot or JUD workshop as per directions of site engineer.
	iv 41.00 Numbers 1301.13 53346.33 AT Par 53346.33
47	Description:- Dismantling and releasing of point signalling gears which include facing point lock/ hand plunge lock/ lock bar/holding bar/electric point detector/mechanical detector along with their complete attachments. Notes (1) Before dismantling a joint survey is to be done with the site Engineer and report must be submitted to the controlling officer in duplicate. Tools & plants, ladders, scaffoldings and all other equipments required for dismantling to be arranged by the contractor at his own cost. (2) The rates given for dismantling are subject to the following conditions in addition to the conditions as laid down in NR General conditions of contract and Standard Specifications. (3) Unless or otherwise specified the rates covers the cost of tools & plants, ladders, scaffolding and all other equipments required for dismantling. (4) Unless otherwise specified, the rates includes leading of material up to the store of RCIL or SSE/C/ASR, stacking dismantled material in the store as required specially
	itemwise or transporting to SSB depot or JUD workshop as per directions of site engineer.

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47	Description:- Dismantling and releasing of location boxes/Apparatus cases/Jn boxes including releasing of terminal boards,relays,terminals, batteries,track feed chargers & other associated fittings installed therein. complete with fittings. All dismantelled material to be transported and stacked in the store of RCIL or SSE/Sig/Store/ASR or any other store of Northern Railway.Notes: (1) Before dismantling a joint survey is to be done with the site Engineer and report must be submitted to the controlling officer in duplicate. Tools & plants, ladders, scaffoldings and all other equipments required for dismantling to be arranged by the contractor at his own cost. (2) The rates given for dismantling are subject to the following conditions in addition to the conditions as laid down in NR General conditions of contract and Standard Specifications. (3) Unless or otherwise specified the
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	vi 10.00 Job 10246.22 102462.20 AT Par 102462.20
47	Description:- Dismantling and releasing of S&T gears in battery rooms and relay rooms. This includes all the equipments and the relays, relay racks, termination boards, batteries, battery chargers, angle irons etc.Notes: (1) Before dismantling a joint survey is to be done with the site Engineer and report must be submitted to the controlling officer in duplicate. Tools & plants, ladders, scaffoldings and all other equipments required for dismantling to be arranged by the contractor at his own cost. (2) The rates given for dismantling are subject to the following conditions in addition to the conditions as laid down in NR General conditions of contract and Standard Specifications. (3) Unless or otherwise specified the rates covers the cost of tools & plants,ladders,scaffoldings and all other equipments required for dismantling. (4) Unless otherwise specified, the rates includes leading of material up to the store of RCIL or SSE/C/ASR, stacking dismantled material in the store as required specially itemwise or transporting to SSB depot or JUD workshop as per directions of site engineer.
	vii 10.00 Numbers 661.85 6618.50 AT Par 6618.50
47	Description:- Dismantling and releasing of Block instruments single line/Double line which includes releasing of terminal boards, relays, terminals, batteries, chargers etc.and other concerned fittings and transporting to the store of RCIL or SSE/Sig/C/ASR or any other store of Northern Railway.Notes: (1) Before dismantling a joint survey is to be done with the site Engineer and report must be submitted to the controlling officer in duplicate. Tools & plants, ladders, scaffoldings and all other equipments required for dismantling to be arranged by the contractor at his own cost. (2) The rates given for dismantling are subject to the following conditions in addition to the conditions as laid down in NR General conditions of contract and Standard Specifications. (3) Unless or otherwise specified the rates covers the cost of tools & plants,ladders,scaffoldings and all other equipments required for dismantling. (4) Unless otherwise specified, the rates includes leading of material up to the store of RCIL or SSE/C/ASR, stacking dismantled material in the store as required specially itemwise or transporting to SSB depot or JUD workshop as per directions of site engineer.
	viii 11.00 Numbers 3068.19 33750.09 AT Par 33750.09
47	Description:- Dismantling of lifting barrier/gate leaves/ELB complete set alongwith winch, wire rope, boom locking arrangements. All dismantelled material to be transported and stacked in the store of RCIL or SSE/Sig/Store/ASR or any other store of Northern Railway. Notes: (1) Before dismantling a joint survey is to be done with the site Engineer and report must be submitted to the controlling officer in duplicate. Tools & plants, ladders, scaffoldings and all other equipments required for dismantling to be arranged by the contractor at his own cost. (2) The rates given for dismantling are subject to the following conditions in addition to the conditions as laid down in NR General conditions of contract and Standard Specifications. (3) Unless or otherwise specified the rates covers the cost of tools & plants, ladders, scaffoldings and all other equipments required for dismantling. (4) Unless otherwise specified, the rates includes leading of material up to the store of RCIL or SSE/C/ASR, stacking dismantled material in the store as required specially itemwise or transporting to SSB depot or JUD workshop as per directions of site engineer.
	48 8.00 Job 57568.58 460548.64 AT Par 460548.64
48	Description:- Foundation, Installation, testing & commissioning of Interlocked Electric lifting barrier complete with panel, motor, booms, weights, warning bells hooters etc. & key chain interlocking along with electric lever locks includes casting of foundation for gate machines, installation & wiring of hooters to make the system as per approved diagrams/plans & as per instruction of site engineer. This includes fixing of E Type lock, both lifting barriers along with boom locking arrangements. This also includes fixing & wiring of lever lock etc. This also includes carrying out wiring digging, cable laying from gate relay room to gate machine etc.(Inspection:Engg representative.)
	49 8.00 Numbers 34119.47 272955.76 AT Par 272955.76
49	

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	barrier boom masonary wo and putting th loading,unloa has to be ma- lock and wirin	s, one for e ork at site like ne casted blo ding and lea de ready in one ng materials nent, coarse	either side of the digging of piocks on proper ding of all the complete work will be supplied sand and agg	track) as per N its for foundatior r alignment (10 material to site of ing order as per d by the RailTel	orthern Railway ns, casting of RC Nos at each site of work from the instructions of S and all other ma	practice, this CC foundations e of size 18"x1 store of RCIL/ tite engineer. s aterial including	t will consist of two slincludes carrying out s, fixing of foundation 8"x36"). This also includes SSE Signal. Sliding baliding gate, E type lock g cement, sand, aggresupplied by the contra	civil bolts udes arrier k,T-2
	50	2.00	Numbers	3368056.00	6736112.00	AT Par	6736112.00	
50	augmantation approved sign electronic intermaterial ness nessassary for logger and for section pland RailTel/Railwa	n of existing nalling plans erlocking) as sessary for or earthing the use alarm stand other doay. Completic	Electronic Int and selection per technical El alteration/ the modified/ ystemetc. Item ocuments (othe on documents	terlocking as per table/locking table specifications a modification in altered/ augmer n also includes er technical docu as per special co	er RDSO specifications (for and special conducted in VDU: ntated EI, those preperation of Suments if any) be condition of contains.	cation no. RD or upgradation lition of contra- s software, the needed for re Selection table ased on Signa	s. Modifaction/ Alera DSO/SPN/192/2005 as of interlocking and wo ct. This includes supp his also includes supp e-writing the external e, control panel and r ulling plans supplied by	s per ork of oly of oplies data route
	51	5.00	Numbers	3200.59	16002.95	AT Par	16002.95	
51	corrections as	s per approving tc. to be car inal proccess	ried SWRD and or	d approved SIP one rough print	P. For this all ted to be given to F	chnical correct Railways for ap	on interlocked gate wittions, editing, gramme oproval before printing tanace cards in the fo	etical g, as
	52	5.00	Numbers	3987.04	19935.20	AT Par	19935.20	
52	_	ailway practio	ce. The require				raming it DIGLOT forr tor and has been cov	
	53	50.00	Numbers	158.79	7939.50	AT Par	7939.50	
53	Description:- Making Photocopies and binding of SWR literature in English/Hindi DIGLOT form as per Railwa practice.							
	54	15.00	Numbers	10000.00	150000.00	AT Par	150000.00	
54	Description: ,Chaires etc.			Γents / Goomtee	es at both ends	of Station wit	h light, water, MT, T	able
	55	16.00	Numbers	67415.56	1078648.96	AT Par	1078648.96	
55	-			•	•	.adder asseml	No. IRS: S-26/64 or la oly , LED signals as	
			/. 1 or latest et	c. Item includes	Padlock for the u	unit.		per
			V. 1 or latest et Numbers	tc. Item includes 6175.66	Padlock for the u 98810.56	unit. AT Par	98810.56	per
56	BDSO/SPN/19 56 Description: of foundation excavation, ra	16.00 - Casting of Casting of Camming of Cand holding	Numbers CC foundation I holding down CC using vibra down bolts will	6175.66 for Road User s n bolts required ater , curing and	98810.56 signal In the ration of for errection of plastering with	AT Par o of 1:3:6 as po f colour light 1:4 cement s	98810.56 er NR Drg. Using Std. signal post. Item incleand mixture (Aggregate if required for excava	Size udes
56	RDSO/SPN/15 56 Description: of foundation excavation, racement,sand	16.00 - Casting of Casting of Camming of Cand holding	Numbers CC foundation I holding down CC using vibra down bolts will	6175.66 for Road User s n bolts required ater , curing and	98810.56 signal In the ration of for errection of plastering with	AT Par o of 1:3:6 as po f colour light 1:4 cement s	er NR Drg. Using Std. signal post. Item incl and mixture (Aggreg	Size udes
	RDSO/SPN/19 56 Description: of foundation excavation, racement,sand will be arrang 57 Description:	99/2020/REV 16.00 - Casting of or /galvenised amming of Cand holding ed by contra 16.00 - Supply and	Numbers CC foundation I holding down CC using vibra down bolts will cter) Numbers d installation	for Road User's n bolts required ater, curing and l be supplied by 5607.96 of Dual Tone b	98810.56 signal In the rational for errection of plastering with contracter. Any management with the second	AT Par of 1:3:6 as portion of 1:4 cement somethine, tool et AT Par	er NR Drg. Using Std. signal post. Item incliand mixture (Aggregate if required for excave	Size udes ate , ation
	RDSO/SPN/19 56 Description: of foundation excavation, racement, sand will be arrang 57 Description: working on 24	16.00 - Casting of control of the c	Numbers CC foundation I holding down CC using vibra down bolts will cter) Numbers d installation of	for Road User's n bolts required ater, curing and l be supplied by 5607.96 of Dual Tone bing to road users	98810.56 signal In the ratio for errection of plastering with contracter.Any m 89727.36 sell/ buzzer with at LC gates.	AT Par of 1:3:6 as portion of 1:4 cement something, tool et AT Par flasher arrang	er NR Drg. Using Std. signal post. Item included and mixture (Aggregate if required for excavate 89727.36 gement and 20 watt	Size udes ate , ation
57 58	RDSO/SPN/19 56 Description: of foundation excavation, racement,sand will be arrang 57 Description: working on 24 58 Description: non metalised	99/2020/REV 16.00 - Casting of or an adjusted by contration of the contration of t	Numbers CC foundation I holding down CC using vibra down bolts will cter) Numbers d installation of AC for warnin Metre I fixing of 50 m nate micro pris	for Road User's n bolts required ater, curing and I be supplied by 5607.96 of Dual Tone bing to road users 499.90 om. Red/Yellow osmatic lences communications and the supplied by the supplin	98810.56 signal In the ratio of for errection of plastering with contracter. Any m 89727.36 sell/ buzzer with at LC gates. 74985.00 coloured retro reconfirming to AIS	AT Par of 1:3:6 as portion of 1:4 cement so nachine, tool et AT Par flasher arrang AT Par effective highlig 90 specification	er NR Drg. Using Std. signal post. Item incliand mixture (Aggregate if required for excave 89727.36 gement and 20 watt 74985.00 hter marker Tape of non for fixing on BSLB.	Size udes ate , ation horn
57	RDSO/SPN/19 56 Description: of foundation excavation, racement,sand will be arrang 57 Description: working on 24 58 Description: non metalised	99/2020/REV 16.00 - Casting of or an adjusted by contration of the contration of t	Numbers CC foundation I holding down CC using vibra down bolts will cter) Numbers d installation of AC for warnin Metre I fixing of 50 m nate micro pris	for Road User's n bolts required ater, curing and I be supplied by 5607.96 of Dual Tone bing to road users 499.90 om. Red/Yellow osmatic lences communications and the supplied by the supplin	98810.56 signal In the ratio for errection of plastering with contracter.Any m 89727.36 sell/ buzzer with at LC gates. 74985.00 coloured retro re	AT Par of 1:3:6 as portion of 1:4 cement so nachine, tool et AT Par flasher arrang AT Par effective highlig 90 specification	er NR Drg. Using Std. signal post. Item incliand mixture (Aggregate if required for excave 89727.36 gement and 20 watt 74985.00 hter marker Tape of non for fixing on BSLB.	Size udes ate , ation horn
57	RDSO/SPN/19 56 Description: of foundation excavation, racement,sand will be arrang 57 Description: working on 24 58 Description: non metalised Board/Stop Si 59 Description: Metal size 20 includes supp	99/2020/REV 16.00 - Casting of or /galvenised amming of Cand holding ed by contration 16.00 - Supply and 4 V DC/ 110V 150.00 - Supply and d polycarbor ignals/LC Gand and polycarbor of the contration of the c	Numbers CC foundation I holding down CC using vibra down bolts will cter) Numbers d installation of AC for warnin Metre I fixing of 50 m nate micro pris ates Make 3M I Numbers f screen on Sign (strand size or items/materia	for Road User's n bolts required ater, curing and I be supplied by 5607.96 of Dual Tone bing to road users 499.90 om. Red/Yellow of smatic lences counting or equivala 8599.22 om when they for 3.25mm wide at the small state of the small state	98810.56 signal In the ration of the plastering with contracter. Any management of the plastering with contracter. Any management of the plastering with contracter. Any management of the plaster of the	AT Par of 1:3:6 as por ficulty continued and part of the continued and	er NR Drg. Using Std. signal post. Item included and mixture (Aggregate if required for excavate 89727.36 gement and 20 watt 74985.00 hter marker Tape of non for fixing on BSLB. eve.	Size udes ate, ation horn made //SLB
57	RDSO/SPN/19 56 Description: of foundation excavation, racement,sand will be arrang 57 Description: working on 24 58 Description: non metalised Board/Stop Si 59 Description: Metal size 20 includes supp	99/2020/REV 16.00 - Casting of or /galvenised amming of Cand holding ed by contration 16.00 - Supply and 4 V DC/ 110V 150.00 - Supply and d polycarbor ignals/LC Gand and polycarbor of the contration of the c	Numbers CC foundation I holding down CC using vibra down bolts will cter) Numbers d installation of AC for warnin Metre I fixing of 50 m nate micro pris ates Make 3M I Numbers f screen on Sign (strand size or items/materia	for Road User's n bolts required ater, curing and I be supplied by 5607.96 of Dual Tone bing to road users 499.90 om. Red/Yellow osmatic lences collindia or equivala 8599.22 om show they for 3.25mm wide at all requierd for colling and they for a second show they are shown they for a second show they are shown to be shown they are shown to be shown they are shown to be shown they are shown they a	98810.56 signal In the ration of the plastering with contracter. Any management of the plastering with contracter. Any management of the plastering with contracter. Any management of the plaster of the	AT Par of 1:3:6 as por ficulty continued and part of the continued and	er NR Drg. Using Std. signal post. Item inclusion and mixture (Aggregate if required for excave 89727.36 gement and 20 watt 74985.00 hter marker Tape of non for fixing on BSLB, we. 85992.20 we conducter by expanction of site engineer.	Size udes ate, ation horn made //SLB
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61												
	Description:- Supply of Emergency sliding Barrier boom gate to be provided on level crossing Gates per latest Northern Railway Practice and Drawing.											
00	62	50.00	Numbers	73.84	3692.00	AT Par	3692.00					
62	Descripti	Description:- Supply of safty ped locks of Godrej or Navtal Make size asapproved by site engineer										

3. ITEM BREAKUP

	l
	No item break up added
- 1	No item break up added
	no nom product ap dados

4. ELIGIBILITY CONDITIONS

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

Special Technical Criteria

S.1	o. Description	Confirmation Required		Documents Uploading
1	Technical Eligibility Criteria:(a) The tenderer must have successfully completed any of the following (by any Government organizations) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or One similar work each costing not less than the amount equal to 60% of advertised value of the tender.(please refer Tender Document)	No	No	Allowed (Mandatory)
1.1	Any Relay Interlocking or Electronic Interlocking or Automatic Block Signalling or Intermediate Block Signalling/Intermediate Block Hut work involving indoor & outdoor work (Cable laying & termination). Note 1- Tenderer may be required to submit the schedule of those works, Completion/Performance Certificates of which have been submitted by him/her in support of 30/40/60 % (as the case may be) criterion of similar nature of work. Note 2- a. Submission of 'Undertaking by the tenderer' that the equipment for EI or Axle Counter or AFTC or UFSBI shall be procured from RDSO approved sources and installation, testing and commissioning of EI or Axle Counter or AFTC or UFSBI shall also be got done from the same source including after sales support required during the warranty period. AND b. After the award of the contract, MOU with RDSO approved source covering supply of equipment for EI or Axle Counter or AFTC or UFSBI. Installation, testing & commissioning of EI or Axle Counter or AFTC or UFSBI by the same RDSO approved source including after sales support required during the warranty period before supply of equipment is undertaken.	No	No	Not Allowed

Special Financial Criteria

S.No.	Description			Documents Uploading
1	Financial Eligibility Criteria: As a proof of sufficient financial capacity and organizational resources, the tenderer(s) should have received the total payments against satisfactory execution of all completed/ongoing works of all types (not confined to only similar works) during the last three financial years and in the current financial year {up to the date of inviting of the tender }of a value not less than 150% of the advertised cost of work. The tenderer shall submit certificate of year wise contractual payments received as per Annexure- I, duly certified by Chartered Accountant. Contractual payment received should be based on Audited Balance Sheets or Form 16A /26AS generated through TRACES of ITorcertificate from concerned Department / Client. Note: (i) Client certificate from other than Govt. Organisation should be duly supported by Form 16A/26AS generated through TRACES of IT Department. (ii) The Audited Balance Sheet or Form 16A /26AS from IT TRACES or Certificates from concerned Department / Client as referred for contractual payments received should be submitted alongwith the tender failing which payment received shall not be considered. (iii) In case the figure of contractual payment is not directly available in Audited Balance Sheet, the CA should obtain this figure from the Audited Account based on which the Balance Sheet has been prepared. (As mentioned in Tender document)	No	No	Allowed (Mandatory)

5. COMPLIANCE

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

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Tender No: RCIL-SIG-NR-21-22-OT-1 **Closing Date/Time:** 02/11/2021 11:30

Commercial-Compliance

S.No.	· ·	Confirmation Required		Documents Uploading
	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

Ş	S.No.	•	Confirmation Required		Documents Uploading
1		Tenderer should go through Annexure 1 & 2 of Tender Notice (attached in Tender Document) for list of documents required to be uploaded alongwith the offer.		No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Upload filled & signed Annexure-C:Declaration form regarding site etc.(Format attached with Vol-I of tender document)	Yes	Yes	Allowed (Mandatory)
2	Upload filled & signed Annexure-D:Declaration form regarding constitution of firm.(Copy attached with Vol-I of tender document)	Yes	Yes	Allowed (Mandatory)
3	Upload filled & signed Annexure-E:List of plant and machinery.(Copy attached with Vol-I of tender document)	Yes	Yes	Allowed (Mandatory)
4	Upload filled & signed Annexure-F:List of Engineer/personnel.(Copy attached with Vol-I of tender document)	Yes	Yes	Allowed (Mandatory)
5	Upload filled & signed Annexure-G:Statement of works executed/completed by the tenderer/s during last seven years ending last day of month previous to the one in which tender is invited. (Format attached with Vol-I of tender document)		Yes	Allowed (Mandatory)
6	Upload filled & signed Annexure-H:Statement of works being executed/in hand-in support of Bid capacity (mandatory for tender value more than Rs.20 crore (Format attached with Vol-I of tender document)		Yes	Allowed (Mandatory)
7	Upload filled & signed Annexure-I:Detail of contractual payment received in last three financial year and current financial year.(Copy of Format available in Vol-I of tender document)		Yes	Allowed (Mandatory)
8	Upload filled & signed Annexure-J: Real time gross saving(RTGS)/National electronic Fund Transfer(NEFT) model mandate Form.(Copy of Format available in Vol-I of tender document)	Yes	Yes	Allowed (Mandatory)
9	Upload filled & signed Annexure-L:Completion certificate(Copy of Format available in Vol-I of tender document)	Yes	Yes	Allowed (Mandatory)
10	Upload filled & signed Annexure-Q: Mandatory undertaking regarding employment /partnership of Retired Railway Employees(Copy of Format Yes available in Vol-I of tender document)			Allowed (Mandatory)
11	Upload filled & signed Annexure-AB:Statement of deviation(Copy of Format available in Vol-I of tender document)			Allowed (Mandatory)
12	Upload filled & signed Annexure-M:Certificate to be uploaded by tenderer along with the tender documents (Copy of Format available in Vol-I of tender document)		Yes	Allowed (Mandatory)
13	Upload filled & signed Annexure-S:Mndatory certificate regarding instruction for bidders from a country which shares a land border with India(Copy of Format available in Vol-I of tender document)		Yes	Allowed (Mandatory)
14	Upload filled & signed Annexure-T1:Bid security declaration On Non-judicial stamp paper of Rs. 100/-)(Copy of Format available in Vol-I of tender Yes document)			Allowed (Mandatory)
15	Upload filled & signed Annexure-K3 & K4:If tender submitted on behalf of partnership firm, relevant annexure K-3 and K-4 as declaration to be submitted by the tenderer.(Copy of Format available in Vol-I of tender document)		Yes	Allowed (Mandatory)
16	Upload filled & signed Annexure-IV/VOL-II: Authorisation by OEM/RDSO approved Indian partner of EI.To be submitted with technical bid(Copy of Format available in Vol-II of tender document)		Yes	Allowed (Mandatory)

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17	Upload filled & signed Annexure-U: Bidder of Indian origin shall mandatorily submit the Integrity Pact (in 2 copies) on a non judicial stamp paper of Rs. 100/- duly signed by the person signing the bid. Bidder of foreign origin may Yes submit the Integrity Pact on its company's letterhead, duly signed by the person signing the bid.(Copy of Format available in Vol-I of tender document)	IYes	Allowed (Mandatory)
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Undertakings

S.No.	•	Confirmation Required		Documents Uploading
1	I/We have read all pages of the tender document and understood all terms and conditions mentioned in the tender document and agreed to abide by the same.	No	No	Not Allowed
2	Each page of the documents uploaded along with the bid must be signed and stamped before uploading the same on the IREPS website	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TENDERDOCUMENTFZRDIV.pdf	Tender document
2	SIPCHHINADRMAPPROVED.pdf	SIP Chinna
3	SIPKATHUNANGAL7267.pdf	SIP Kathunangal
4	SIPVERKA7234.pdf	SIP Verka
5	SIPBATALA.pdf	SIP Batala
6	SIPJAINTIPURA.pdf	SIP Jaintipura

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: DHARMINDER KUMAR

Designation: DGM

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