Tender No: JP-EN-CONCOR-2024-03 Closing Date/Time: 06/05/2024 15:00

**CGM-DFCCIL-JAIPUR** acting for and on behalf of The President of India invites E-Tenders against Tender No **JP-EN-CONCOR-2024-03** Closing Date/Time 06/05/2024 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

#### 1. NIT HEADER

Name of Work	Providing additional connectunder jurisdiction of CGM/J	ctivity from CMLK (CONCOR Siding at K IP of WDFC.	hatuwas) at REJN end
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	06/05/2024 15:00	Date Time Of Uploading Tender	05/04/2024 17:49
Pre-Bid Conference Required	Yes	Pre-Bid Conference Date Time	15/04/2024 11:00
Advertised Value	422245996.61	Tendering Section	ENGG1
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	2261200.00	Validity of Offer ( Days)	90
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	12 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	22/04/2024	Are Joint Venture (JV) firms allowed to bid	Yes
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

#### 2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
	Ile A-USSO Road unde		ems (Earth V	Vork, Subgrade	e, Blanketing, Cons	truction of	355287202.28	
	1	e Item Breakup	for details.		1302989.65	6.51	1387814.28	
1	approache obtain a n all cut spo within 2 kr site and a Engineer- Railway P railway go from cut s	es, platforms, of eat appearance of eat appearan	catch water of e to standard ake spoil during e of cutting eduringes, bailing work is to be by RDSO, Loccified other led into bank	drains, diversiced profile inclusion mps beyond 10 dge, lifts, ascer g & pumping coe executed as ucknow. Cut travise in the Speformation and	on of nallah & finis ve of all labour, many om from cutting edut, descent, loading out water, if requires per latest / updates shall be proper ecial Conditions of	shing to req achine & ma dge or for fil g, unloading, red, etc. cor ated edition erty of Railw Contract. {Natall be dum	es, side drains, lev uired dimension an aterials and removin lling in embankmen, all taxes / royalty, on mplete as per direct of "Guidelines for El rays and to be depo- lote - (i) All usable of mped / stacked (ii) All of the Bailways }	d slopes to g & leading t with leads clearance of tions of the carthwork in sited in the earth arising
	12010	59758.61	cum	289.84		6.51	18447995.87	
2	trolley refusive specification and the range of the shrubs, rospreading density and the range of the shrubs and the shrubs an	uges, rain bunons and guide ranged by the er obstructions ots of vegetation in layers with a dressing of the shall include	ds, if provide blines GE: G contractor at . The item shons growth, honotor grader bank to final ple all costs in	ed, platforms e -14 of Soil Qu his own cost in all include dem neavy grass, be be, bringing the re- profile as a con- ncluding taxes,	tc. with earth, suit uality Class SQ1, ncluding all leads, narcation and setting enching of existing noisture content to nplete job. The pay octroi, royalty etc.	able for em excavated f lifts, ascents ng out of pro slope of old o OMC, mec yment shall a except for railways and	type abutments, b bankment as per F from outside railwa s, descents, crossin file, site clearance, I bank, all handling/i hanical compaction be made as per fini mechanical compa d to be deposited in	RDSO lates y boundary g of nallahs removing o re-handling to specified shed profile action which
				the Special Co	nditions of Contrac	t.		•

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Tender No: JP-EN-CONCOR-2024-03 Closing Date/Time: 06/05/2024 15:00

	Description		_		-			
	1	es. rain bunds.	if provided	d. platforms e	tc. with earth, suit	able for emb	bankment as ber RD	OSO late
3	Specification	ns and guideline	s GE: G-	14 of Soil Qu	ality Class SQ2,	excavated fr	rom outside railway , descents, crossing	bounda
							file, site clearance, re	
	shrubs, root	s of vegetations	growth, he	eavy grass, be	nching of existing	slope of old	bank, all handling/re	-handlin
		•	•				nanical compaction to	
	density and	dressing of bank	k to final pi	rofile as a con	plete job. The pag	yment shall b	oe made as per finish	ned profi
	and the rate	e shall include a	II costs ind	cluding taxes,	octroi, royalty etc	except for	mechanical compact	tion whic
							to be deposited in the	
							yment under this iter	
	_	•					ickness executed sha	all be pa
	under the ite	em of Earthwork i	in filling in	embankment	for Soil Quality Cla	iss SQ1.		
	12040	104245.61	cum	19.09	1990048.69	6.51	2119600.86	
	Description	::- Extra for mech	hanical cor	mpaction of sc	il in embankment	with contract	or's rollers of suitable	e capacit
	type and size	ze to achieve sp	ecified de	nsity as per s	pecification, testin	g as per IS	codes including cost	of wate
	T&P, consu	mable and all lab	our as a c	omplete job. T	he work is to be e	xecuted as p	er Latest edition of "C	Guidelin
	for Earthwo	rk in Railway Proj	jects" issue	ed by RDSO, I	ucknow.			
	12050	21585.00	cum	1823.65	39363485.25	6.51	41926048.14	
	Description	:- Providing of E	Blanketing	over finished	formation as per	latest RDSO	specifications and p	rocedur
	_	_	_				n 30cm in thickness	
							apacity upto desired	
			_	-		-	pect to the satisfacti	_
							ry, testing equipmer	
	_	•			· · ·		paction.Note:( i) The	
	-				•		n for Heavy Axle Loa	
							anketing material fo	
						07/ GE:0014	with up to date amn	nename
	Formation.	(ii) The Quality C	Control tes	ts as prescrib	ed vide RDSO/200		-	
	Formation. shall be arr	(ii) The Quality C anged at site by	Control tes the	ts as prescrib ractor, for wh	ed vide RDSO/200 ich no separate p	ayment will	be made. (iii) The te	enderer
	Formation. shall be arr requested to	(ii) The Quality C anged at site by o go through spec	Control tes the Cont cifications	ts as prescrib ractor, for wh of blanketing	ed vide RDSO/200 ich no separate p material as per GE	ayment will -0014 RDSC	be made. (iii) The to D specifications. The I	enderer blanketi
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Tender No: JP-EN-CONCOR-2024-03 Closing Date/Time: 06/05/2024 15:00

10	<b>Description:-</b> Providing and laying in position mach				_
	Cement Concrete of specified grade (Cast in-Situs sand of approved quality in RCC raft foundation)	, .			
	proportions (as per IS:9103), to modify workability				
	complete as per specifications and direction of the	Engineer in charge	e. Payment	for cement, reinforcem	ent an
	shuttering shall be paid extra.	T			
	Please see Item Breakup for details.	10624997.58	6.51	11316684.92	
	<b>Description:-</b> 22050/Providing and laying in posit Design Mix Cement Concrete of M35 grade (Cas				
1	coarse sand of approved quality for the following R				
	10 m from foundation top level, including finishing,				
	modify workability & other properties without impair direction of the Engineer in charge. Payment for cen	nent, reinforcement			ons an
	24010 881.62 cum 2865.24	11	6.51	2690498.93	
	Description:- Providing and laying in position mach Cement Concrete of M35 grade (Cast in-Situ/Pre-catilling head walls or any other component using 2	ast) in bottom/top sl	lab, side wa	lls, toe wall and sumps	haund
12	approved quality of RCC box of any size including f				
	to modify workability & other properties without imp	pairing strength and	d durability,	complete as per drawir	ngs an
	technical specifications as directed by Engineer in cl	narge. Payment for	cement, rei	nforcement and shutteri	ing sha
	be made extra.  25020 5010.32 Sam 172.40	000770 17	0.51	000011 10	
		11	6.51	920011.19	n on th
13	<b>Description:-</b> Providing and applying two coats of coats of and sides of RCC box/slabs @ 1.70 kg/sqm aft job as directed by the Engineer		_		
	Please see Item Breakup for details.	23607028.64	6.51	25143846.20	
4	Description: - 25030/centering and shuttering include	ding strutting, propp	ing etc. and	removal of form for :	
F	Please see Item Breakup for details.	32415185.22	6.51	34525413.78	
5	Description:- 25060/Supply and using Cement at V	Vorksite			
	Please see Item Breakup for details.	28554237.84	6.51	30413118.72	
16	<b>Description:-</b> 25070/Steel reinforcement for R.C. position and binding all complete	C. work including	straightenin	g, cutting, bending, pla	acing i
	Please see Item Breakup for details.	72217.20	6.51	76918.54	
17	<b>Description:-</b> 31140/Providing and fixing in positio slab and filling bitumen along kerb as shown in dra lifts etc. complete as per specifications and as direct	wing with contracto	r's pipes, b	_	
	41390 118.47 MT 80457.76	1	6.51	10152353.02	
	Description:- Supplying fabricating and erecting	welded and/or bol	ted and/or	riveted steel work in	built u
	sections, trusses and framed work, staging, racks				
18	tees, angles and channels/flats, plates, gussets, rou including cutting, bending, straightening, drilling,				
	Providing stiffeners wherever required as per appro				
	steel primer with all contractor's materials, labour, to	ools & plants, lead	& lift includir		
	etc., complete as per specification and as directed b 51080 2187.61 cum 2917.61	1	je. 6.51	6798099.60	
19	Description:- Providing and laying filter material				slone
. •	complete as per drawing and technical specification	•	Comoation	anderneam pitching in	зюрс
	52140 2712.14 Kg 206.17	1	6.51	595563.34	
	Description:- Providing / fixing / grouting various	size HTS holding	down bolt i	n concrete column or i	in othe
PΛ	structural steel member using epoxy concrete include	ding drilling holes of			th and
20	shall be fixed with proper size nuts bolts, plates, was	hers complete inclu	dirig all labo	our and material	our enc
20	= : :	1	6.51	210401.31	our end
	shall be fixed with proper size nuts bolts, plates, was  52150 371.13 Metre 532.27  Description:- Providing weep holes by making st Reinforced Concrete abutment, wing wall/return was extending through the full width of the structure of	197541.37 uitable opening or all with 110 mm diacomplete and repai	6.51 drilling in ea a UPVC pipe ring the sar	210401.31 xisting Brick Masonry / e (working pressure 4kine with cement mortal	/ Plain g/sqcm
21	shall be fixed with proper size nuts bolts, plates, was 52150 371.13 Metre 532.27  Description:- Providing weep holes by making st Reinforced Concrete abutment, wing wall/return was	197541.37 uitable opening or all with 110 mm diacomplete and repai	6.51 drilling in ea a UPVC pipe ring the sar	210401.31 xisting Brick Masonry / e (working pressure 4kine with cement mortal	/ Plain g/sqcm

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	complete job. Cement for mortar will be paid separately.(Pipes of 600mm dia and above will be laid us crane/hydra).
	52270 2789.61 cum 478.69 1335358.41 6.51 1422290.24
23	<b>Description:-</b> Providing Boulder Backing behind wing wall, return wall, retaining wall with hand packed boulder cobbles with smaller size boulders toward the back including all lead, lift, labour & other incidental charges complete work in all respect. Payment for boulder/cobbles will be done extra
	Please see Item Breakup for details. 6763113.37 6.51 7203392.05
24	<b>Description:-</b> 53010/Surface protection of Piers, Substructure, Box bridges and culverts in river bed by cleaning preparing the surfaces by acid etching; treating surface with a two-layer plaster; first layer of 7mm (5mm in case sidewalk) thick with cement (OPC or slag) admixed with an octadecanoic acid based cementitious waterproof compound (Max. bulk density 0.5 gm/cc), in the weight ratio of 50:3 for cement and waterproofing compound a second layer of 12mm thick cement-sand (1:2.5) plaster, enriched with polyester fibre (to be paid separately) a curing the plastered surface. Treatment shall be impermeable under a water head of 20m. Rate is excluding of cement which shall be paid extra. (Note: In lieu of etching with acid the surface can be roughened or be improved by other appropriate means) complete as per specification.
	NS1 18.00 Each 31664.05 569952.90 0.00 569952.90
25	<b>Description:-</b> Second step plate load test to measure deformation modulous EV2 of compacted layers.
	NS2 100.00 cum 2639.80 263980.00 AT Par 263980.00
26	<b>Description:-</b> Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars a disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge
	NS3 50.00 cum 1117.28 55864.00 AT Par 55864.00
27	<b>Description:-</b> Demolishing cement concrete manually/ by mechanical means including disposal of material wit 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix i.e equival design mix
	NS4 500.00 Sqm 334.58 167290.00 AT Par 167290.00
28	<b>Description:-</b> Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal dismantled material up to a lead of 1 kilometre, as per direction of Engineer-in-charge.
	NS5 12.00 Month 55157.45 661889.40 AT Par 661889.40
29	<b>Description:-</b> Providing Diesel/Petrol driven Commercial field vehicles i.e. Scorpio/ Xylo (with Power Steering Power Window) for use in the jurisdiction of Chief General Manager/Jaipur of WDFC up to 2500 Km and 3 hours per month. The rate includes license fee, permit, driver's wages, Fuel, repair and maintenance of vehicles, with exceptions as mentioned in conditions.
	NS6 12.00 Month 56896.51 682758.12 AT Par 682758.12
30	<b>Description:-</b> Hiring and operating of Multi-Utility vehicle (open) Mahindra Bolero Camper Gold ZX or Similar v loading capacity of one MT and seating capacity of 4/6 persons,4 cylinders engine, Axle Configuration 4 factory-built metal body, cargo box type or passenger cabin type or both (with 12 hours availability (Typically fr 08:00 hrs to 20:00 hrs) along with Driver, 360 hrs. per month), including cost of fuel, lubricants, all repairs, sal of driver, all taxes, including running up to 2000 km in a month.
	NS7 168.00 cum 7169.53 1204481.04 AT Par 1204481.04
31	<b>Description:-</b> Providing and fixing precast cement concrete solid block Pitching of, including hoisting and sett in position with cement mortar 1:4 (1 cement : 4 coarse sand), cost of required centering, shuttering completed 1:1½:3 (1 Cement: 1½ coarse sand(zone-III): 3 graded stone aggregate 20 mm nominal size).
	NS8 34334.00 Sqm 158.95 5457389.30 AT Par 5457389.30
32	<b>Description:-</b> Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity a excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller includ making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto metres.
	NS9 13272.38 cum 1719.56 22822653.75 AT Par 22822653.75
33	<b>Description:-</b> Construction of granular sub-base by providing close graded Material conforming to specificatio mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & li spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-
	Charge./With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30

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34	<b>Description:-</b> Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fin aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer-in- charge.
	NS11 6867.00 cum 5977.76 41049277.92 AT Par 41049277.92
35	<b>Description:-</b> Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size is appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately./Cement concrete prepared with batch mixing machine
	NS12   122303.07   Kg   113.75   13911974.21   AT Par   13911974.21
36	<b>Description:-</b> Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete/ Ho finished welded type tubes
	NS13 426.00 RM 585.77 249538.02 AT Par 249538.02
37	<b>Description:-</b> Providing and fixing precoated galvanised steel sheet roofing accessories 0.50mm +/- 5% total coated thickness (TCT) thick Zinc coating 120 gsm as per IS:277 in 240mpa steel grade, 5-7 microns epox primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/self tapping screws or wit polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washer complete:/Ridges plain (500-600mm)
	NS14 4139.29 Sqm 1018.00 4213797.22 AT Par 4213797.22
38	Description:- Providing and fixing permanently colour coated trapezoidal profiled sheet of depth 28-30mm at 195-205mm pitch distance with precisely engineered "Rib & Flute" design. Profiled sheets shall be min. 0.5mm TCT/0.45mm BMT high tensile zinc aluminium alloy coated zincalume / galvalume steel sheet (550 mpa yiel strength) having a coating of mass of 150 gsm zinc-aluminium coating AZ-150 total on both sides as per, A 1397:1993 finished with 20 microns approved colour coating of Silicon Modified Polyester (SMP) / Super Polyester paint coat on exposed surface over a primer coat of 5 microns and a back coat of 5 microns on reverse side over a 5 microns primer coat. There shall be 2 small ribs/square flutes between profiles for providing additional strength. The sheet to be fixed over the purlins with hexagonal head self drilling suitable fasteners with neoprene EPDM washer on crests of the sheet
	NS15 6138.36 Sqm 58.56 359462.36 AT Par 359462.36
39	<b>Description:-</b> Painting with synthetic enamel paint of approved brand and manufacture to give an every shade/Two or more coats on new work
40	NS16 2.00 Numbers 48347.54 96695.08 AT Par 96695.08
40	Description:- Supply VOLTRIQ Intel Core i3 All in One PC with 23.8 Inch Display/Windows 11 Professional
4.1	NS17 2.00 Numbers 12499.00 24998.00 AT Par 24998.00
41	Description:- Supply of Epson inkjet Colour Computer Printer for A4 Paper size
40	NS18 1.00 Numbers 236000.00 236000.00 AT Par 236000.00
42	Description:- Supply of Sharp Color MFD BP-50C26 including Paper Tray with Trolley
	NS19 2.00 Numbers 395300.00 790600.00 AT Par 790600.00
43	Description:- Supply of Container Room including door, Window, Electrical Fittings, Transport and installation 1. Container Size 20ftx10ftx10ft, 2. Container Weight 2065 Kg 3. MS Door: 2 nos MS door (Size:1200x1800 mm) 4 Window: 4nos MS Window (Size:600x750 mm) 5. Floor: 3mm Thick chequered Plate area (10ft x20ft

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
	le B-USSOF & ballast).	R-2019 & NS I	tems (P. Way	work including	track linking, suppl	y of P. Way	66958794.33	
	Please see	Item Breakup	o for details.		379580.48	6.51	404291.17	

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	Description	:- 71020/Ass	embling con	nplete BG Turno	out including symr	netrical split	on staging or on	formation /
					standard drawing			
					s, switches, crossir			
					f for throw of switch		-	-
				in-charge. Note	e: (Rail cutting and			/)
		tem Breakup			136016.40		144871.07	
					, the already asser			
2			•	•	ng of one track in		•	-
		٠.		•	iding one round of red alignment and	•	•	
	in-charge for		ioi zo kilipi	i speed to requi	red aligninent and	iorigituulilai	ievei, as directed i	by enginee
		tem Breakup	for details		1900327.60	6.51	2024038.93	
	-			utting of railway!	s stone ballast fron			a alianman
3	_		-		ank by head leads	_		
-					plants, as directed			
		on ballast sta		-	, a , a	~,gcc.	oa.gor (. ay	o o
	Please see I	tem Breakup	for details.		857225.25	6.51	913030.61	
				ing for regrading	g the existing BG t			stanes no
	_				permissible ramp	-	_	-
4	_	•		, ,	placing the same to	,		
+		-			to allow train move		-	-
					king, painting rail I			
		•			per procedure laid			I to get the
				vorking profile, a	as directed by engi			
	Please see I	tem Breakup	for details.		1074017.60	6.51	1143936.15	
	Description	:- 91030/25m	nm gap 'in-s	itu' welding and	d finishing of rail jo	ints as per	IR's AT Welding I	Manual wit
5					n and competent v			
	_	; block. {Item	includes us	e of weld trimm	ing machine and g	grinding of w	eld finished to me	
					-		A CONTRACTOR OF THE STATE OF TH	
			-		narking of welded j			charge} -
		nd also anti c tem Breakup	-		-	oint, as dired 6.51	ted by Engineer in 2702984.69	charge} -
•	Please see I	tem Breakup :- 91090/Flas	for details. sh Butt Weldi	nting to weld & n	narking of welded j 2537775.50 ails, conforming to	6.51 IR's Manual	2702984.69 for Flash Butt Wel	ding of Rail
6	Please see I  Description using contra	tem Breakup :- 91090/Flas ctor's self-pro	for details. sh Butt Weldi	nting to weld & n ng of 90 UTS ra um road / Mobile	narking of welded j 2537775.50 ails, conforming to e FBW Plants, tools	6.51 IR's Manual is, equipments	2702984.69 for Flash Butt Wells and consumable	ding of Rai
6	Please see I  Description using contra includes pair	tem Breakup :- 91090/Flas ctor's self-pro nting and ma	for details. sh Butt Weldi opelled rail curking of weld	ing of 90 UTS raum road / Mobile ed joints, pre-st	narking of welded j 2537775.50 ails, conforming to e FBW Plants, tools traightening & post	6.51 IR's Manual is, equipments	2702984.69 for Flash Butt Wells and consumable	ding of Rai
6	Please see I  Description using contra includes pair of finished w	tem Breakup :- 91090/Flas ctor's self-pro nting and man reld as directe	for details.  Sh Butt Weldi  Spelled rail curking of welded by engine	nting to weld & n ng of 90 UTS ra um road / Mobile	narking of welded j 2537775.50 ails, conforming to e FBW Plants, tools traightening & post	6.51 IR's Manual is, equipments -straightenin	2702984.69 for Flash Butt Weles and consumable g of panels and U	ding of Rail
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7 8	Please see I  Description using contra includes pair of finished w  Please see I  Description formation inc precautions, barricading s  Please see I  Description side or at ce Deep Screet (rails & tie b Railways wit contractor. (2)  Description roller of 8-10 thickness to correct line (a) providing of work; (b) 1.6 times to  Please see I  Description track materia types of rail	tem Breakup :- 91090/Flas ctor's self-pronting and man reld as directe tem Breakup :- 121090/Sh cluding crossi so as not to should be res tem Breakup :- 121100/Prientre of proponing / Lifting ar pegs of su hin free lead 2) Excavation 4413.00 :- Compactio 0 tonne capar a width of 3 & level with a gramp for tak redistribution linear length tem Breakup :- 121130/Lir als including s fittings & fas	for details.  Sh Butt Weldide pelled rail curking of welded by engined for details.  Infiting & pairing of track, infringe the tored to its of the period of	ing of 90 UTS raum road / Mobile ed joints, pre-ster in-charge for ing of rails / paduly lifting & pus running track, a riginal condition are Line / Rail Ling track, as direvorks, duly embevill be supplied lives Depot. In cate work will be pade on layer, laid on rent number of pasymmetrical to descents, as different in the paid for well all be paid for well track on preparent in the property of the paid for well track on preparent in the paid	anarking of welded jack as a conforming to be FBW Plants, tools traightening & post and post as directed by Eng by the agency included by Engineer edding in formation by Railways) [Note as of hard wood paid separately.]  159132.78  new formation at all passes to form corporected by Engineer emoving the same the while rolling to object the conformation of the corporation as per IRPV area of the corporation as per IRPV area of the corporation as per IRPV	6.51 IR's Manual (1) s, equipments (2) -straightening (3) -straightening (4) -straightening (6.51) Ingside existithout damagineer in-charguding re-fixing (6.51) Ination at an in-charge for including more (1) Rails/ties (2) -straightening (4) -straightening (5) -straightening (6.51) -st	2702984.69 for Flash Butt Weles and consumable g of panels and U  320371.51 Ing running track ing it and taking at ge. NOTE: The drag & concreting as 18273.03 interval of 30 mer relinking of new tracking with contract bar shall be sup the wood will be sup 169492.32 s with smooth whe llast bed of 100m, to suit finished formation after plane cambered  1244118.78 e & alignment with fixing rails to slees. Rate is inclusive.	ding of Rail s. Item also SFD testing to adjoining Inecessary isturbed rai required.  Item also required.  Item also recessary isturbed rai required.  Item on one ack / CTR actor's pain polied by the plied by the received power or completion surface; (2)  The Railway's pers with all e of kutchall all all all all all all all all all
	Please see I  Description using contra includes pair of finished w  Please see I  Description formation inc precautions, barricading s  Please see I  Description side or at ce Deep Screet (rails & tie b Railways wit contractor. (2)  Description roller of 8-10 thickness to correct line (a) providing of work; (b) 1.6 times to  Please see I  Description track materia types of rail	tem Breakup :- 91090/Flas ctor's self-pronting and man reld as directe tem Breakup :- 121090/Sh cluding crossi so as not to should be res tem Breakup :- 121100/Prientre of proponing / Lifting ar pegs of su hin free lead 2) Excavation 4413.00 :- Compactio 0 tonne capar a width of 3 & level with a gramp for tak redistribution linear length tem Breakup :- 121130/Lir als including s fittings & fas	for details.  Sh Butt Weldide pelled rail curking of welded by engined for details.  Infiting & pairing of track, infringe the tored to its of the period of	ing of 90 UTS raum road / Mobile ed joints, pre-ster in-charge for ing of rails / paduly lifting & pus running track, a riginal condition are Line / Rail Ling track, as direvorks, duly embevill be supplied lives Depot. In cate work will be pade on layer, laid on rent number of pasymmetrical to descents, as different in the paid for well all be paid for well track on preparent in the property of the paid for well track on preparent in the paid	anarking of welded jack part of the same to while rolling to be rected by Engineer edding in formation as effected by Engineer edding in formation by Railways) [Note as of hard wood paid separately.]  159132.78  new formation at all passes to form corected by Engineer edding in formation and separately.]  159132.78  new formation at all passes to form corected by Engineer emoving the same the while rolling to obsorb or control to control turnout)  1168076.97  ared formation to contend spacing, squari	6.51 IR's Manual (1) s, equipments (2) -straightening (3) -straightening (4) -straightening (6.51) Ingside existithout damagineer in-charguding re-fixing (6.51) Ination at an in-charge for including more (1) Rails/ties (2) -straightening (4) -straightening (5) -straightening (6.51) -st	2702984.69 for Flash Butt Weles and consumable g of panels and U  320371.51 Ing running track ing it and taking at ge. NOTE: The drag & concreting as 18273.03 interval of 30 mer relinking of new tracking with contract bar shall be sup the wood will be sup 169492.32 s with smooth whe llast bed of 100m, to suit finished formation after plane cambered  1244118.78 e & alignment with fixing rails to slees. Rate is inclusive.	ding of Rail s. Item also SFD testing to adjoining It necessary isturbed rai required.  tres on one ack / CTR actor's pain plied by the plied by the plied by the received power or completion surface; (2) the Railway's pers with all e of kutcha

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11	<b>Description:-</b> Laying of BG new IRS SEJ (Switch Expansion Joint) on PSC / Wooden sleepers with cutting of rails, as required and lubrication including gauging, aligning rails, providing temporary connection with adequate elding gap with adjoining rail and ensuring proper track geometry for 30 kmph speed Note:[The rates will include leading
	of SEJ sleepers, SEJ fittings for a free lead of 250 metres and providing reference posts with kachcha and first packing and making ballast profile as per IRPWM, Welding, Cutting of rails & Drilling of holes will be paid seperately.]
	Please see Item Breakup for details. 1324164.78 6.51 1410367.91
12	<b>Description:-</b> 131010/Through packing of track, as described in Para-224 of Indian Railways Permanent Way Manual
	Please see Item Breakup for details. 200661.20 6.51 213724.24
13	<b>Description:-</b> 131080/First and second through packing of points and crossing including gauging, fittings recoupment, elimination of sag and to the required alignment as per provisions of Indian Railways Permanent Way Manual
	Please see Item Breakup for details. 159134.08 6.51 169493.71
14	<b>Description:-</b> 131090/Third or subsequent through packing of points and crossing including gauging, fittings recoupment, elimination of sag and to the required alignment as per provisions of Indian Railways Permanent Way Manual -
	Please see Item Breakup for details. 369500.49 6.51 393554.97
15	<b>Description:-</b> 131200/De-stressing of LWR/CWR with contractor's labours, tools & equipments inclusive of all lead & lift. Activities include cutting of LWR/CWR into convenient panels of specified length, removal of ERCs, liners, reasing of ERCs and liner contact area, lifting rails and keeping them on rollers provided at every 15 sleepers, working out elongation of rail ends depending on prevailing site conditions, pulling rails with the help of draulic Tensor to achieve the desired elongation, cutting rails, as required, removing rollers and placing rail in position, refixing ERCs & liners and adjustment of gap at SEJs: Note: (1) Welding of rail joints will be paid separately. 2. Rail cutting and Hole drilling shall be paid separately (3) Opening and closing of LC if required will be paid separately. 4. As per instructions of LWR manual & CE's Circulars for destrssing of LWR/CWR
	131500 8826.00 Running 61.82 545623.32 6.51 581143.40
16	Description:- Painting of rail outside track on rail bottom, web, foot and fishing plane as per requirement with one coat of red oxide / zinc chromate primer to IS: 2074 of reputed make including surface preparation, i.e. cleaning with wire brush /sand paper as a complete job
	Please see Item Breakup for details. 24865.56 6.51 26484.31
17	<b>Description:-</b> 141020/Carrying out Through USFD testing of running rails & welds (excluding flange testing) including the full head width portion of SEJ, lead portion of points & crossings of all types of rails using 0° (4 MHz) and 70° (2 MHz) central forward & backward, 70° (2 MHz) gauge face corner forward & backward and 70° (2 MHz) field forward & backward probes by NBC (Need Based Concept) method under traffic conditions as per provisions of IR's "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & instructions, duly marking defects, submission of daily reports and storing back-up data, as specified & directed. The rates are inclusive of contractor's men, materials & machines complete unless otherwise specified and as directed:
	Please see Item Breakup for details. 32956.80 6.51 35102.29
18	<b>Description:-</b> 141030/Carrying out USFD testing of Alumino Thermic (AT) welds on all types of rails, using 0° (2 MHz) double crystal; 70° (2 MHz) 20mm x 20mm single crystal probe for head & flange testing; 2 nos. 45° (2 MHz) single crystal with tandom rig for testing from rail top to bottom & for half moon testing and 70° (2 MHz) 20mm x 20mm side looking probe by NBC (Need Based Concept) method under traffic conditions as per provisions of IR's "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions duly marking the defects, submission of daily reports and storing back-up data as specified & directed. The rates are inclusive of contractor's men, materials & machines complete unless otherwise specified and directed :With Contractor's USFD machine :
	Please see Item Breakup for details. 133022.50 6.51 141682.26
19	<b>Description:-</b> 141040/Carrying out USFD testing of Flash Butt (FB) & Gas Pressure (GP) welds on all types of rails using 2 single crystal 45° (2 MHz) for head testing and one single crystal 70° (2 MHz) probe for web & flange testing by NBC (Need Based Concept) method under traffic conditions as per provisions of IR's "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions, duly marking the defects, submission of daily reports and storing back-up data as specified & directed. The rates are inclusive of contractor's men, materials & machines complete unless otherwise specified and directed//With Contractor's USFD machine
	Please see Item Breakup for details. 36335.00 6.51 38700.41
20	<b>Description:-</b> 161010/Quick cutting with abrasive rail cutter of all types of rail sections including wear resistant, head hardened rails upto 110 UTS, with contractors tools & plants, equipment, consumable with all lead & lift etc. complete as directed by Engineer in-charge. Abrasive Rail Cutter will be as per RDSO Specification No. TM/SM/1 (Rev. 01 of 2007) with latest status of RDSO; Rail Cutting Wheel Abrasive Disc will be as per RDSO Specification No. TM/SM/2 (Rev. 01 of 2007) - Outside Track -

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	Diagra ar -	Itom Proplem	for details		7000.00	0.54	7750.00	
		Item Breakup		1.10 1.00	7282.00	6.51	7756.06	
21	-		-		mm dia. with Rail ble with all lead &	-		
					pecification No. The			y Lugilleer
	Please see	Item Breakup	for details.		76801.28	6.51	81801.04	
					t approaches of le			
22					all sections including			
					g with one coat of will be paid separat		or specified color	ur over one
	NS1	8.00	Numbers	3672137.02	29377096.16	T	29377096.16	
	Descriptio	n:- Supply of	1 in 12 RH/L	.H Turn out with	thick web switche	es complete as	sembly as per D	Orawing no.
23	-				gs, strecher bars,	-		_
				inal Rate includ	es inspection char	ges for inspec	tion by RITES/DI	FCCIL/ Any
		cy approved b						
24	NS2	14652.00		33.84	495823.68	AT Par	495823.68	
	· ·	n:- Supply of						
25	NS3	14652.00		33.84	495823.68	AT Par	495823.68	
	· ·	n:- Supply of		Metal Liner		1		
26	NS4	29304.00	Numbers	92.38	2707103.52	AT Par	2707103.52	
	Descriptio	n:- ERC Mark	V RDSO Drg	ı. T-5919				
27	NS5	14652.00	Numbers	58.30	854211.60	AT Par	854211.60	
21	Descriptio	n:- Supply of	Rubber pad 1	T-7010				
	NS6	1350.00	Pair	4692.60	6335010.00	AT Par	6335010.00	
28	Descriptio T-1-2012	n:- Supply of	1 meter long	fish plate 60 Kç	g (As per RDSO dr	awing T-5849	) as per RDSO s	pecification
	NS7	1350.00	Numbers	560.64	756864.00	AT Par	756864.00	
29	Descriptio	n:- Supply of	Fish plate cla	mps		•	•	
	NS8	12413.14	cum	653.28	8109256.10	AT Par	8109256.10	
	Descriptio	n:- Manufactu	ıring, supplyir	ng machine crus	shed stone track ba	allast confirmir	ng to Railways sp	ecifications
30		•			terial, crushing ar	•	•	
		-	-	ther component te in all respect	of the work with o	r lead lift, desc	cent, roylty, taxes	etc. levied
	NS9	12413.14	cum	57.97	719589.73	AT Par	719589.73	
31					e land in case suff			ble.
	NS10	650.00		5363.88	3486522.00		3486522.00	
20	Descriptio	n:- Supply of	Joggled fish	plates (2 nos. p	per set) with 4 pair	clamps , 4 no	s. bolts and nut	and 8 nos.
32					s per RDSO drg no			
	location of	linking /laying	as directed b	y engineer				
	NS11	25.00	Each	2601.00	65025.00	AT Par	65025.00	
33	-		-		curves and Turnou			
		1			r drawings duly pa	1		s paint.
34	NS12	2.00		678610.56			1357221.12	
	Descriptio	n:- Supply of	Derailing swit	ch including slee	epers and all fitting	IS		

### 3. ITEM BREAKUP

Ī	Schadula	Schedule A-USSOR-2019 & NS items Bridges)	(Earth Work,	Subgrade,	Blanketing,	Construction of M	inor & Road under
	ocnedule	Bridges)					

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	1					
S No.	platforn appears either to either s incident Charge Projects godowr cut spo boulder Item No 11011	Earthwork in cutting (classified) in formation, trolley refuges its, catch water drains, diversion of nallah & finishing to requance to standard profile inclusive of all labour, machine & more make spoil dumps beyond 10m from cutting edge or for filide of cutting edge, lifts, ascent, descent, loading, unloading tall charges, bailing & pumping out water, if required, etc. co. The work is to be executed as per latest / updated edition is issued by RDSO, Lucknow. Cut trees shall be property of a unless specified otherwise in the Special Conditions of Co. Its shall be led into bank formation and Unusable spoils shall so not fit for filling will be stacked by the contractor and will be considered in the special conditions of the contractor and will be considered in the special conditions of the contractor and will be considered in the special conditions of the contractor and will be considered in the special conditions of the contractor and will be considered in the special conditions and classifications of soil except rock.  Extra for leading of Cut spoil every one km beyond original lead of 2 km over item no. 011010	uired dime naterials ar lling in eml g, all taxes of "Guidel f Railways ntract. {No all be dump be property  Unit	nsion and sland removing bankment was / royalty, cloper directionines for Earl and to be determined / stacked of the Railv  8790.62  4395.31	opes to ob & leading ith leads w earance of ns of the E thwork in F eposited in sable earth d (ii) All har vays.}  Rate  144.94  6.57	otain a neat all cut spoils within 2 km on is site and all engineer-in- Railway the railway arising from rd rock /and  Amount  1274112.46 28877.19
Item- 7	be done 6mm, 1 placed angle p	Providing and removing barricading with the help of portable in close vicinity of track. Fencing shall consist of self supp5m long provided with hooks etc. and embedded in CC 1:2 at c/c distance of 2m along track. 12mm dia rods in three hoosts. {Note: Released material will be property of the contraid appropriately.	orting stee 2:4 block o orizontal la	l angles of s f size 0.23m ayers shall b	size 50mm x 0.23m x e tack weld	x 50mm x c 0.23m ded with
S No.	Item	Description of Item	Unit	Qty	Rate	Amount
1	13101	With provision of one 50mm wide retro-reflective tape in horizontal direction, duly secured/tight with vertical posts	Metre	2000.00	216.31	432620.00
Item- 8	floors o the exc and wa with all	Earthwork in excavation by mechanical means (Hydraulic E f the bridges, retaining walls etc. including setting out, dressavated material, back filling in layers with approved materia tering etc. including all lift, disposal of surplus soil upto a leal labour and material complete as per drawing and technical	sing of side I and cons ad of 300m specificati	es, ramming colidation of n, all types o on as direct	of bottom the layers f shoring a ed by Engi	, getting out by ramming and strutting ineer in
Item- 8	floors o the exc and wa with all charge. side dra	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved materia tering etc. including all lift, disposal of surplus soil upto a lea	sing of side Il and cons ad of 300m specificati tion with of	es, ramming colidation of a litypes oon as direct ther miscella	Ins for four of bottom the layers f shoring a ed by Engi	ndations and , getting out by ramming and strutting ineer in rks also. like
	floors o the exc and wa with all charge. side dra Doublin Item No	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved material tering etc. including all lift, disposal of surplus soil upto a lead labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous string, New lines  Description of Item	sing of side all and cons ad of 300m specificati tion with of cuctures in	es, ramming solidation of a, all types o on as direct ther miscella connection	ns for four of bottom the layers f shoring a ed by Engi aneous wo with Gaug	ndations and , getting out by ramming and strutting ineer in rks also. like e Conversion,
	floors o the exc and wa with all charge. side dra Doublin	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved materia tering etc. including all lift, disposal of surplus soil upto a lea labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous string, New lines	sing of side all and cons ad of 300m specificati tion with of cuctures in	es, ramming colidation of n, all types o on as direct ther miscella connection	ns for four of bottom the layers f shoring a ed by Engi aneous wo with Gaug	ndations and , getting out by ramming and strutting ineer in rks also. like e Conversion,  Amount  8992776.94
	floors o the exc and wa with all charge. side dra Doublin Item No	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved materia tering etc. including all lift, disposal of surplus soil upto a lea labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous string, New lines  Description of Item  All kinds of soils	sing of side al and cons ad of 300m specificati tion with of ructures in  Unit  cum	es, ramming colidation of an, all types of on as direct ther miscella connection  Qty  48889.73	ns for four of bottom the layers f shoring a ed by Engi aneous wo with Gaug  Rate  183.94	ndations and , getting out by ramming and strutting ineer in rks also. like e Conversion  Amount  8992776.94
	floors o the exc and wa with all charge. side dra Doublin Item No 22011	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved material tering etc. including all lift, disposal of surplus soil upto a lead labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous string, New lines  Description of Item	sing of side and cons and of 300m specificati tion with of ructures in  Unit  cum	es, ramming colidation of an, all types of on as direct ther miscella connection  Qty  48889.73	ns for four of bottom the layers f shoring a ed by Engi aneous wo with Gaug  Rate  183.94  Total r miscellar	ndations and , getting out by ramming and strutting ineer in rks also. like e Conversion  Amount  8992776.94  8992776.94
<b>S No.</b>	floors o the exc and wa with all charge. side dra Doublin Item No 22011	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved materia tering etc. including all lift, disposal of surplus soil upto a lea labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous strg, New lines  Description of Item  Providing and laying in position Plain cement concrete of speed rains, foundation for OHE masts and other miscellaneous	sing of side and cons and of 300m specificati tion with of ructures in  Unit  cum	es, ramming colidation of an, all types of on as direct ther miscella connection  Qty  48889.73	ns for four of bottom the layers f shoring a ed by Engi aneous wo with Gaug  Rate  183.94  Total r miscellar	ndations and , getting out by ramming and strutting ineer in rks also. like e Conversion  Amount  8992776.94  8992776.94  neous works
S No.	floors o the exc and wa' with all charge. side dra Doublin Item No 22011  22030/I like side centerir Item	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved material tering etc. including all lift, disposal of surplus soil upto a lead labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous string, New lines  Description of Item  All kinds of soils  Providing and laying in position Plain cement concrete of speed drains, foundation for OHE masts and other miscellaneous and shuttering - All work up to plinth level:	sing of side al and cons ad of 300m specificati tion with of ructures in  Unit  cum  ecified No s structure  Unit	es, ramming solidation of an, all types of on as direct ther miscella connection  Qty  48889.73  minal Mix for sexcluding	ns for four of bottom the layers f shoring a ed by Engi aneous wo with Gaug  Rate  183.94  Total r miscellar the cost of	ndations and , getting out by ramming and strutting ineer in rks also. like e Conversion  Amount  8992776.94  8992776.94  neous works f Cement,  Amount
S No.  Item- 9 S No.	floors o the exc and wa with all charge. side dra Doublin Item No 22011  22030/I like side centerir Item No	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved material tering etc. including all lift, disposal of surplus soil upto a leal labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous string, New lines  Description of Item  All kinds of soils  Providing and laying in position Plain cement concrete of speed drains, foundation for OHE masts and other miscellaneous and shuttering - All work up to plinth level:  Description of Item  1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded	sing of side and cons ad of 300m specificati tion with of ructures in  Unit  cum  ecified No s structure  Unit  cum	es, ramming colidation of an, all types of on as direct ther miscella connection  Qty  48889.73  minal Mix for executing Qty	r miscellar the cost of Fate 2502.43	andations and getting out by ramming and strutting ineer in rks also. like e Conversion  Amount  8992776.94  8992776.94  Reous works f Cement,  Amount  13404241.27
S No.  Item- 9 S No.	floors o the exc and wa with all charge. side dra Doublin Item No 22011  22030/I like side centerir Item No 22031	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved material tering etc. including all lift, disposal of surplus soil upto a leal labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous string, New lines    Description of Item	sing of side al and cons ad of 300m specificati tion with of ructures in  Unit  cum  ecified No s structure  Unit  cum  cum	es, ramming colidation of an, all types of on as direct ther miscellar connection  Qty  48889.73  minal Mix for executing  Qty  5356.49	r miscellar the cost of Rate  2579.73  Total	Amount
S No.	floors of the excurant was with all charge. Side dra Doubling Item No 22011  22030/I like side centering Item No 22031  22032	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved material tering etc. including all lift, disposal of surplus soil upto a lead labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous string, New lines    Description of Item	sing of side and consumer specification with of ructures in the cum th	es, ramming colidation of an all types of on as direct ther miscellar connection  Qty  48889.73  minal Mix for sexcluding  Qty  5356.49  1194.52  I machine vilutione aggregates up to lations (as peete as per second and collections)	r miscellar the cost of Pate 2502.43  Total 2579.73  Total brated Despate and coheight of 1 or IS:9103) pecification	andations and getting out by ramming und strutting ineer in rks also. like e Conversion,  Amount  8992776.94  8992776.94  Reous works f Cement,  Amount  13404241.27  3081539.08  16485780.35  sign Mix parse sand of 0 m from grown, to modify its and
S No.  1  Item- 9  S No.	floors of the excurant was with all charge. Side dra Doubling Item No 22011  22030/I like side centering Item No 22031  22032	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved material tering etc. including all lift, disposal of surplus soil upto a leal abour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous string, New lines    Description of Item	sing of side and consumer specification with of ructures in the cum th	es, ramming colidation of an all types of on as direct ther miscellar connection  Qty  48889.73  minal Mix for sexcluding  Qty  5356.49  1194.52  I machine vilutione aggregates up to lations (as peete as per second and collections)	r miscellar the cost of Pate 2502.43  Total 2579.73  Total brated Despate and coheight of 1 or IS:9103) pecification	andations and getting out by ramming und strutting ineer in rks also. like e Conversion,  Amount  8992776.94  8992776.94  Reous works f Cement,  Amount  13404241.27  3081539.08  16485780.35  sign Mix parse sand of 0 m from grown, to modify its and
S No.  1  Item- 9  S No.  1	floors of the excurant war with all charge. Side dra Doublin  Item No  22011  22030/I like side centerin  Item No  22031  22032  22032  22050/I Cementapprove foundat workab directio  Item	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved material tering etc. including all lift, disposal of surplus soil upto a leal labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectains, foundation for OHE masts and other miscellaneous string, New lines    Description of Item	sing of side and consect of 300m specification with of ructures in the cum the	es, ramming colidation of an, all types of on as direct ther miscellar connection  Qty  48889.73  minal Mix for sexcluding  Qty  5356.49  1194.52  machine villatione aggregates up to later the sex sex sex sex sex sex sex sex sex se	r sfor four of bottom the layers of shoring a ed by Engianeous wo with Gauge Rate  183.94  Total  r miscellar the cost of the	ndations and , getting out by ramming and strutting ineer in rks also. like e Conversion,  Amount  8992776.94  8992776.94  Reous works f Cement,  Amount  13404241.27  3081539.08  16485780.35  sign Mix coarse sand of 0 m from , to modify is and tra
S No.  Item- 9 S No.  Item- 11	floors of the excurant was with all charge. Side dra Doublin lem No 22011  22030/I like side centerir lem No 22031  22032  22050/I Cementapprove foundat workab directio lem No	f the bridges, retaining walls etc. including setting out, dress avated material, back filling in layers with approved material tering etc. including all lift, disposal of surplus soil upto a leal labour and material complete as per drawing and technical Note: This item will be used for excavation work in connectans, foundation for OHE masts and other miscellaneous string, New lines    Description of Item	sing of side and consected of 300m specification with of ructures in the cum t	es, ramming colidation of an, all types of on as direct ther miscellar connection  Qty  48889.73  minal Mix for executing Qty  5356.49  1194.52  machine villatione aggregates up to lations (as peete as per sistering shall Qty	r sfor four of bottom the layers of shoring a ed by Engianeous wo with Gauge Rate  183.94  Total  r miscellar the cost of the	ndations and , getting out by ramming und strutting ineer in rks also. like e Conversion,  Amount  8992776.94  8992776.94  Reous works f Cement,  Amount  13404241.27  3081539.08  16485780.35  sign Mix parse sand of 0 m from , to modify its and tra  Amount

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1 Item- 15	25031		Unit	Qty	Rate	Amount	
Item- 15		All types of bridge sub-structures, e.g. pier, abutment, wing wall, retaining wall, RCC box type foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. upto 5m above ground level		37171.74	635.08	23607028.64	
Item- 15					Total	23607028.64	
	25060/5	Supply and using Cement at Worksite					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
1	25061	Supply of cement of OPC 43 grade	MT	4655.02	6963.49	32415185.22	
					Total	32415185.22	
Hem- In		Steel reinforcement for R.C.C. work including straightening, all complete	cutting, be	ending, plac	ing in posi	tion and	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
1	25072	Thermo-Mechanically Treated bars of grade Fe-500D or more. (Deformed Steel Added)	Kg	385243.36	74.12	28554237.84	
					Total	28554237.84	
	bitumer	Providing and fixing in position GI Drainage Spouts of requination along kerb as shown in drawing with contractor's pipes, bit is as per specifications and as directed by Engineer in-char	tumen, too				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
1	31142	100mm dia. Drainage Spouts	Metre	60.00	1203.62	72217.20	
	•				Total	72217.20	
	sand m	Providing & laying non pressure NP-4 Class RCC pipe with ortar including testing of joints, but excluding earthwork with for mortar will be paid separately.(Pipes of 600mm dia and	h all labour	and materi	ial as a cor	mplete job.	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	
1	52253	600mm dia.	Metre	445.00	2705.00	1203725.00	
					Total		
	53010/Surface protection of Piers, Substructure, Box bridges and culverts in river bed by cleaning & preparing the surfaces by acid etching; treating surface with a two-layer plaster; first layer of 7mm (5mm in case of sidewalk) thick with cement (OPC or slag) admixed with an octadecanoic acid based cementitious waterproofing compound (Max. bulk density 0.5 gm/cc), in the weight ratio of 50:3 for cement and waterproofing compound and second layer of 12mm thick cement-sand (1:2.5) plaster, enriched with polyester fibre (to be paid separately) and curing the plastered surface. Treatment shall be impermeable under a water head of 20m. Rate is excluding cost of cement which shall be paid extra. (Note: In lieu of etching with acid the surface can be						
	the surf sidewall compou and sec separat is exclu-	aces by acid etching; treating surface with a two-layer plast (a) thick with cement (OPC or slag) admixed with an octaded and (Max. bulk density 0.5 gm/cc), in the weight ratio of 50:3 and layer of 12mm thick cement-sand (1:2.5) plaster, enricely) and curing the plastered surface. Treatment shall be in	ter; first lay canoic acio 3 for ceme ched with p mpermeab u of etching	ver of 7mm I based cen Int and wate I olyester fibr I under a w I with acid t	(5mm in cannentitious verproofing contenting	ase of waterproofing compound aid of 20m. Rate	
	the surf sidewall compou and sec separat is exclu-	aces by acid etching; treating surface with a two-layer plast (s) thick with cement (OPC or slag) admixed with an octaded and (Max. bulk density 0.5 gm/cc), in the weight ratio of 50% and layer of 12mm thick cement-sand (1:2.5) plaster, enricely) and curing the plastered surface. Treatment shall be inding cost of cement which shall be paid extra. (Note: In liet	ter; first lay canoic acio 3 for ceme ched with p mpermeab u of etching	ver of 7mm I based cen Int and wate I olyester fibr I under a w I with acid t	(5mm in cannentitious verproofing contenting	Reparing ase of waterproofing compound aid of 20m. Rate	
S No.	the surf sidewall compou and sec separat is exclu- rougher	aces by acid etching; treating surface with a two-layer plast (x) thick with cement (OPC or slag) admixed with an octader and (Max. bulk density 0.5 gm/cc), in the weight ratio of 50% and layer of 12mm thick cement-sand (1:2.5) plaster, enricely) and curing the plastered surface. Treatment shall be inding cost of cement which shall be paid extra. (Note: In lieu and or bond improved by other appropriate means) completed the plaster of them.	ter; first lay canoic acid acid acid acid acid acid acid ac	ver of 7mm I based cen Int and wate I olyester fibile I under a w I with acid t I specification	(5mm in canentitious werproofing or (to be payater head the surface).	& preparing ase of waterproofing compound aid of 20m. Rate can be	
S No.	the surf sidewall compou and sec separat is exclu- rougher Item No	aces by acid etching; treating surface with a two-layer plast (s) thick with cement (OPC or slag) admixed with an octader and (Max. bulk density 0.5 gm/cc), in the weight ratio of 50: ond layer of 12mm thick cement-sand (1:2.5) plaster, enricely) and curing the plastered surface. Treatment shall be inding cost of cement which shall be paid extra. (Note: In lieuted or bond improved by other appropriate means) completed.	ter; first lay canoic acid after ceme as for ceme with propermeabu of etching te as per sum to the distribution of the distrib	ver of 7mm d based cen nt and wate polyester fibrile under a w g with acid t specification  Qty	(5mm in canentitious werproofing or (to be payater head the surface).	& preparing ase of waterproofing compound aid of 20m. Rate can be	
S No.	the surf sidewall compou and sec separat is exclu- rougher Item No	aces by acid etching; treating surface with a two-layer plast (x) thick with cement (OPC or slag) admixed with an octader and (Max. bulk density 0.5 gm/cc), in the weight ratio of 50% and layer of 12mm thick cement-sand (1:2.5) plaster, enricely) and curing the plastered surface. Treatment shall be inding cost of cement which shall be paid extra. (Note: In lieu and or bond improved by other appropriate means) completed the plaster of them.	ter; first lay canoic acid acid acid acid acid acid acid ac	ver of 7mm d based cen nt and wate olyester fibi le under a w g with acid t specification  Qty  8334.50	(5mm in canentitious verproofing of re (to be payed to be payed to he surface by the surface by	& preparing ase of waterproofing compound aid of 20m. Rate can be  Amount  6763113.37	
S No.  Schedule	the surf sidewall compout and sec separatis exclurougher Item No 53011  Schedu 71020// correct location 250m &	aces by acid etching; treating surface with a two-layer plast (x) thick with cement (OPC or slag) admixed with an octader and (Max. bulk density 0.5 gm/cc), in the weight ratio of 50:: ond layer of 12mm thick cement-sand (1:2.5) plaster, enricely) and curing the plastered surface. Treatment shall be inding cost of cement which shall be paid extra. (Note: In lied are dor bond improved by other appropriate means) completed or bond improved by other appropriate means. Piers, substructure, Box bridges and culverts in river bed	ter; first lay canoic acid acid acid acid acid acid acid ac	ver of 7mm d based cen nt and wate oblyester fibile under a w g with acid t specification  Qty  8334.50  upply of P. V ng or on former PSC slee enings etc. on yard afte	(5mm in canentitious verproofing of the surface of	Amount  6763113.37  al & ballast).  allast bed to ecified num lead of surface	
S No.  Schedule	the surf sidewall compout and sec separatis exclurougher Item No 53011  Schedu 71020// correct location 250m &	aces by acid etching; treating surface with a two-layer plast (s) thick with cement (OPC or slag) admixed with an octader and (Max. bulk density 0.5 gm/cc), in the weight ratio of 50:: ond layer of 12mm thick cement-sand (1:2.5) plaster, enricely) and curing the plastered surface. Treatment shall be inding cost of cement which shall be paid extra. (Note: In lied and or bond improved by other appropriate means) complete and or bond improved by other appropriate means. Piers, substructure, Box bridges and culverts in river bed assembling complete BG Turnout including symmetrical spling gauge and alignment as per standard drawing on all types so, duly leading special size sleepers, switches, crossings, finall lift and testing points with S&T staff for throw of switch experience.	ter; first lay canoic acid acid acid acid acid acid acid ac	ver of 7mm d based cen nt and wate oblyester fibile under a w g with acid t specification  Qty  8334.50  upply of P. V ng or on former PSC slee enings etc. on yard afte	(5mm in canentitious verproofing of the surface of	Amount  6763113.37  6763113.37  al & ballast).  allast bed to ecified num lead of surface	
S No.  Schedule	the surf sidewall compout and section separate is exclurougher ltem No 53011  Schedu 71020//correct location 250m & complet ltem	aces by acid etching; treating surface with a two-layer plast (s) thick with cement (OPC or slag) admixed with an octader and (Max. bulk density 0.5 gm/cc), in the weight ratio of 50:: ond layer of 12mm thick cement-sand (1:2.5) plaster, enricely) and curing the plastered surface. Treatment shall be inding cost of cement which shall be paid extra. (Note: In lied and or bond improved by other appropriate means) completed or bond improved by other appropriate means) complete.  Description of Item  Piers, substructure, Box bridges and culverts in river bed assembling complete BG Turnout including symmetrical splinguage and alignment as per standard drawing on all types so, duly leading special size sleepers, switches, crossings, finall lift and testing points with S&T staff for throw of switch expended and as directed by engineer in-charge. Note: (Rail cutting	ter; first lay canoic acid afor ceme ched with permeable of etching te as personal unit.  Sqm  clinking, suit on stagir of rails over the stating and Drilling and Drilling canonic acid.	d based cen nt and wate oblyester fibile under a w g with acid t specification  Qty  8334.50  upply of P. V ng or on former PSC slee enings etc. on yard after ng shall be  Qty	(5mm in can entitious was perproofing of the surface of the surfac	Amount  6763113.37  6763113.37  6763113.37  al & ballast).  allast bed to ecified num lead of surface ately)  Amount	

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	71130/	Insertion and linking with track, the already assembled BG	PSC turno	ut by slewin	a with the h	nelp of
	1	labour or by cranes including crossing of one track in traffic		•	-	•
Item- 2		ents including preparing ballast bed and providing one rou				
		ers to make track fit for 20 kmph speed to required alignment in charge for	ent and lor	ngitudinal lev	vel, as dire	cted by
S No.	Item	r in-charge for -  Description of Item	Unit	Qty	Rate	Amount
	No					
1	71132	1 in 12 Turnout	Set	3.00	45338.80	136016.40
					Total	136016.40
		Running out / Putting of railway's stone ballast from existing				
Item- 3		utting or on formation or at toe of bank by head leads or by	•			
		I profile with contractor's labour, tools & plants, as directed ased on ballast stack measurement}	by Engine	er in-charge	e. {Paymen	t snall be
S No.	Item	Description of Item	Unit	Qty	Rate	Amount
0 140.	No	bescription of item	Onit	Giy	Hate	Amount
1	81051	For lead upto 50m and lift up to 5m	cum	12413.14	119.29	1480763.47
2	81052	Extra over item no. 081051 for each additional lead of		12413.14		419564.13
_	0.002	50m or part thereof when total lead exceeds 50m, but upto 250m for each Cum.			00.00	
		apro 200111 101 Cash Cash.			Total	1900327.60
	81060/1	ifting and packing for regrading the existing BG track to rec	nuired heid	nht /level in «	l l	
		or part thereof at a time, providing permissible ramp for the				
		iniformly under the existing track and placing the same to s				
Item- 4		g levelling and one round of through packing to allow train				
		ied length with all leads & lifts and fixing, marking, painting Lifting of track shall be done in stages as per procedure laid				
		ed final level as per approved working profile, as directed by				9010
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	81061	In PSC sleeper track	Track metre	4413.00	168.88	745267.44
2	81063	Extra for additional lift over 75mm for every 50mm lift or	Each	4413.00	25.37	111957.81
		part thereof upto 275mm for item nos. 081061 and				
		081062 for each TM.			_	
					Total	857225.25
Item- 5	slips, R block. {	Smm gap 'in-situ' welding and finishing of rail joints as per DSO approved welding portion and competent welder, labo tem includes use of weld trimming machine and grinding of anti corrosive painting to weld & marking of welded joint, a	ur, tools, e f weld finis	equipments of hed to meet	complete d the weld to	uring traffic olerances
S No.	Item	Description of Item	Unit	Qty	Rate	Amount
0110.	No	bescription of item	Onit	Giy	Hate	Amount
1	-	For CO Ker Dail Cinada abat arresible fitted with Automatic	Fa ab	100.00	C710 C1	
1	91031	jeor ou ng haii, Single shot crucible litted with Automatic	⊏acn	160.00	0/12.011	1074017.60
1	91031	For 60 Kg Rail, Single shot crucible fitted with Automatic Tapping Thimble Technology, 3 pieces Mould (Zircon		160.00	6712.61	1074017.60
1	91031			160.00	6/12.61	1074017.60
1	91031	Tapping Thimble Technology, 3 pieces Mould (Zircon		160.00	Total	1074017.60 1074017.60
1	91090/F	Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique  Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique	ual for Flas	sh Butt Weld	Total ling of Rail,	<b>1074017.60</b> using
1 Item- 6	91090/F	Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique  Flash Butt Welding of 90 UTS rails, conforming to IR's Manuary's self-propelled rail cum road / Mobile FBW Plants, tools	ual for Flas	sh Butt Weld	Total ling of Rail, sumables.	<b>1074017.60</b> using Item also
	91090/F contrac includes	Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique  Flash Butt Welding of 90 UTS rails, conforming to IR's Manuary's self-propelled rail cum road / Mobile FBW Plants, tools a painting and marking of welded joints, pre-straightening &	ual for Flas	sh Butt Weld	Total ling of Rail, sumables.	<b>1074017.60</b> using Item also
Item- 6	91090/F contrac includes testing	Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique  Flash Butt Welding of 90 UTS rails, conforming to IR's Manufor's self-propelled rail cum road / Mobile FBW Plants, tools a painting and marking of welded joints, pre-straightening & of finished weld as directed by engineer in-charge for -	ual for Flas s, equipme post-strai	sh Butt Weld nts and con ghtening of	Total ling of Rail, sumables. panels and	1074017.60 using Item also USFD
	91090/F contrac includes	Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique  Flash Butt Welding of 90 UTS rails, conforming to IR's Manuary's self-propelled rail cum road / Mobile FBW Plants, tools a painting and marking of welded joints, pre-straightening &	ual for Flas	sh Butt Weld	Total ling of Rail, sumables.	<b>1074017.60</b> using Item also
Item- 6	91090/F contrac includes testing	Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique  Flash Butt Welding of 90 UTS rails, conforming to IR's Manufor's self-propelled rail cum road / Mobile FBW Plants, tools a painting and marking of welded joints, pre-straightening & of finished weld as directed by engineer in-charge for -	ual for Flas s, equipme post-strai	sh Butt Weld nts and con ghtening of	Total ling of Rail, sumables. panels and	1074017.60 using Item also USFD Amount
Item- 6 S No.	91090/F contractincludes testing of Item	Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique  Flash Butt Welding of 90 UTS rails, conforming to IR's Manuscr's self-propelled rail cum road / Mobile FBW Plants, tools painting and marking of welded joints, pre-straightening & of finished weld as directed by engineer in-charge for -  Description of Item	ual for Flas s, equipme post-strai	sh Butt Weld nts and con ghtening of Qty	Total ling of Rail, sumables. panels and	1074017.60 using Item also USFD
Item- 6 S No.	91090/F contrac includes testing of Item No 91092	Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique  Flash Butt Welding of 90 UTS rails, conforming to IR's Manusor's self-propelled rail cum road / Mobile FBW Plants, tools a painting and marking of welded joints, pre-straightening & of finished weld as directed by engineer in-charge for -  Description of Item  60 Kg on Cess	ual for Flas s, equipme post-strain Unit	sh Butt Weld nts and con ghtening of <b>Qty</b> 650.00	Total ling of Rail, sumables. panels and Rate 3904.27	1074017.60 using Item also USFD  Amount 2537775.50
Item- 6 S No.	91090/F contractincludes testing of Item No 91092	Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique  Flash Butt Welding of 90 UTS rails, conforming to IR's Manuscr's self-propelled rail cum road / Mobile FBW Plants, tools a painting and marking of welded joints, pre-straightening & of finished weld as directed by engineer in-charge for -  Description of Item  60 Kg on Cess  /Shifting & pairing of rails / panels unloaded alongside exist g crossing of track, duly lifting & pushing rail /panel without ions, so as not to infringe the running track, as directed by	ual for Flas c, equipme post-strain Unit Each ing running damaging Engineer in	ch Butt Weldents and conghtening of  Qty  650.00  g track to active and taking and takin	Total ling of Rail, sumables. panels and Rate 3904.27 Total ljoining for g all necessoTE: The control of the co	using Item also USFD  Amount  2537775.50  2537775.50 mation sary disturbed rail
Item- 6 S No.	91090/F contractincludes testing of Item No 91092	Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique  Flash Butt Welding of 90 UTS rails, conforming to IR's Manuscr's self-propelled rail cum road / Mobile FBW Plants, tools a painting and marking of welded joints, pre-straightening & of finished weld as directed by engineer in-charge for -  Description of Item  60 Kg on Cess  (Shifting & pairing of rails / panels unloaded alongside exist g crossing of track, duly lifting & pushing rail /panel without	ual for Flas c, equipme post-strain Unit Each ing running damaging Engineer in	ch Butt Weldents and conghtening of  Qty  650.00  g track to active and taking and takin	Total ling of Rail, sumables. panels and Rate 3904.27 Total ljoining for g all necessoTE: The control of the co	using Item also USFD  Amount  2537775.50  2537775.50 mation sary disturbed rail

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1	121091	Rail length upto 13m.	Running Metre	8826.00	34.08	300790.08
					Total	300790.08
Item- 8	of propo Lifting / pegs of free lea	/Providing Centre Line / Rail Level Pegs on formation at an osed / existing track, as directed by engineer in-charge for li Lowering works, duly embedding in formation including ma suitable size will be supplied by Railways) [Note: (1) Rails/tid of 250m Stores Depot. In case of hard wood peg, the harion and concrete work will be paid separately.]	inking of no rking with o ie bar shal	ew track / C contractor's I be supplie	TR / Deep paint (rails d by the Ra	Screening / & tie bar ailways withir
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	121103	With contractor's hard wood pegs	Each	148.00	115.92	17156.1
	•				Total	17156.10
Item- 10	includin fittings &	Linking of BG track on prepared formation to correct gauge g spreading sleepers at specified spacing, squaring, pairing a fastenings including their lubrication as per IRPWM standa ack fit for 20 kmph speed: (NOTE: Rail cutting and Hole dri	y & fixing ra ards. Rate	ails to sleep is inclusive	ers with all of kutcha p	types of rail
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	121131	(a) For sleeper density of 1660 sleepers per km	Track metre	4413.00	264.69	1168076.97
					Total	1168076.97
Item- 12	131010	Through packing of track, as described in Para-224 of Indi	an Railway	s Permane	nt Way Ma	nual
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	131011	For Sleeper Density of 1540 Sleepers/Km or more	Track metre	13239.00	100.02	1324164.78
					Total	1324164.78
Item- 13		/First and second through packing of points and crossing in ion of sag and to the required alignment as per provisions of the control of the				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	131083	1 in 12 PSC layout	Set	8.00	25082.65	200661.20
					Total	200661.20
Item- 14		Third or subsequent through packing of points and crossin ion of sag and to the required alignment as per provisions of the control of the co				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	131093	1 in 12 PSC layout	Set	8.00	19891.76	159134.08
					Total	159134.08
Item- 15	Activitie reasing working Tensor re-fixing Rail cut	/De-stressing of LWR/CWR with contractor's labours, tools is include cutting of LWR/CWR into convenient panels of specific of ERCs and liner contact area, lifting rails and keeping the out elongation of rail ends depending on prevailing site corto achieve the desired elongation, cutting rails, as required, ERCs & liners and adjustment of gap at SEJs: Note: (1) Witing and Hole drilling shall be paid separately (3) Opening a ely. 4. As per instructions of LWR manual & CE's Circulars 1	ecified leng m on rollenditions, pu removing lelding of r nd closing	oth, remova rs provided ulling rails w rollers and rail joints wil of LC if rec	I of ERCs, at every 15 vith the help placing rai Il be paid so juired will b	liners, 5 sleepers, 5 of draulic I in position, eparately. 2.
S No.	Item	Description of Item	Unit	Qty	Rate	Amount
	No	·				
1	131202	With Contractor's Hydraulic Rail tensor	Track metre	4413.00	83.73	369500.49
-					Total	369500.49

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No  1 141021 With Contractor's USFD machine  Track Kilometre  Total  24  141030/Carrying out USFD testing of Alumino Thermic (AT) welds on all types of rails, using 0° (2 MHz) or crystal; 70° (2 MHz) 20mm x 20mm single crystal probe for head & flange testing; 2 nos. 45° (2 MHz) sincrystal with tandom rig for testing from rail top to bottom & for half moon testing and 70° (2 MHz) 20mm x side looking probe by NBC (Need Based Concept) method under traffic conditions as per provisions of IR' "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions duly marking the defects, submission of daily reports and storing back-up data as specified & directed. The rates are inclus contractor's men, materials & machines complete unless otherwise specified and directed: With Contractor USFD machine:	punt 865.56 865.56 ouble gle 20mm s
S No. Item No Description of Item Unit Qty Rate Ame No Track With Contractor's USFD machine Track Kilometre Total 24  141021 With Contractor's USFD testing of Alumino Thermic (AT) welds on all types of rails, using 0° (2 MHz) or crystal; 70° (2 MHz) 20mm x 20mm single crystal probe for head & flange testing; 2 nos. 45° (2 MHz) sinc crystal with tandom rig for testing from rail top to bottom & for half moon testing and 70° (2 MHz) 20mm x side looking probe by NBC (Need Based Concept) method under traffic conditions as per provisions of IR' "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions duly marking the defects, submission of daily reports and storing back-up data as specified & directed. The rates are incluse contractor's men, materials & machines complete unless otherwise specified and directed: With Contractor USFD machine:	865.56 865.56 ouble gle 20mm s
141021 With Contractor's USFD machine  Track Kilometre  Total  24  141030/Carrying out USFD testing of Alumino Thermic (AT) welds on all types of rails, using 0° (2 MHz) or crystal; 70° (2 MHz) 20mm x 20mm single crystal probe for head & flange testing; 2 nos. 45° (2 MHz) sinc crystal with tandom rig for testing from rail top to bottom & for half moon testing and 70° (2 MHz) 20mm x side looking probe by NBC (Need Based Concept) method under traffic conditions as per provisions of IR' "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions duly marking the defects, submission of daily reports and storing back-up data as specified & directed. The rates are inclus contractor's men, materials & machines complete unless otherwise specified and directed: With Contractor USFD machine:	865.56 ouble gle 20mm s
With Contractor's USFD machine    Kilometre   Total   24	865.56 ouble gle 20mm s
Item- 18  141030/Carrying out USFD testing of Alumino Thermic (AT) welds on all types of rails, using 0° (2 MHz) or crystal; 70° (2 MHz) 20mm x 20mm single crystal probe for head & flange testing; 2 nos. 45° (2 MHz) sinch crystal with tandom rig for testing from rail top to bottom & for half moon testing and 70° (2 MHz) 20mm x side looking probe by NBC (Need Based Concept) method under traffic conditions as per provisions of IR' "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions duly marking the defects, submission of daily reports and storing back-up data as specified & directed. The rates are inclused contractor's men, materials & machines complete unless otherwise specified and directed: With Contractor USFD machine:	ouble gle 20mm s
crystal; 70° (2 MHz) 20mm x 20mm single crystal probe for head & flange testing; 2 nos. 45° (2 MHz) sin crystal with tandom rig for testing from rail top to bottom & for half moon testing and 70° (2 MHz) 20mm x side looking probe by NBC (Need Based Concept) method under traffic conditions as per provisions of IR' "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions duly marking the defects, submission of daily reports and storing back-up data as specified & directed. The rates are inclus contractor's men, materials & machines complete unless otherwise specified and directed: With Contractor USFD machine:	gle 20mm s ive of
ONE have Decaded and them.	
S No.   Item   Description of Item   Unit   Qty   Rate   Amo	ount
1 141031 Track having upto 3 rail panels Each 160.00 205.98 32	956.80
Total 32	956.80
single crystal 45° (2 MHz) for head testing and one single crystal 70° (2 MHz) probe for web & flange test NBC (Need Based Concept) method under traffic conditions as per provisions of IR's "Manual & Specification Ultrasonic Testing of Rails and Welds" & related instructions, duly marking the defects, submission of correports and storing back-up data as specified & directed. The rates are inclusive of contractor's men, material machines complete unless otherwise specified and directed//With Contractor's USFD machine	ions laily
S No. Item No Description of Item Unit Qty Rate Ame	ount
1 141041 Track having upto 3 rail panels Each 650.00 204.65 133	022.50
Total 133	022.50
Item- 20 Ite	e as
S No. Item Description of Item Unit Qty Rate Ame	ount
No .	ount 335.00
No         Each         100.00         363.35         36           Total         36	
No         Each         100.00         363.35         36	335.00 <b>335.00</b>
No  1 161011 60 Kg - 110 UTS  Each 100.00 363.35 36  Total 36  Item- 21 161020/Drilling holes of 16 mm to 32 mm dia. with Rail Drilling machine in all types of rail section with contractor's tools & plants, equipment, consumable with all lead & lift etc. complete, as directed by Engine charge. Rail Drilling Machine will be as per RDSO Specification No. TM/SM/3, dated 24.04.1991 for -	335.00 <b>335.00</b>
No  1 161011 60 Kg - 110 UTS  Each 100.00 363.35 36  Total 36  Item- 21 161020/Drilling holes of 16 mm to 32 mm dia. with Rail Drilling machine in all types of rail section with contractor's tools & plants, equipment, consumable with all lead & lift etc. complete, as directed by Engine charge. Rail Drilling Machine will be as per RDSO Specification No. TM/SM/3, dated 24.04.1991 for -  S No. Item No Description of Item Unit Qty Rate Amendo	335.00 <b>335.00</b> er in-
No 1 161011 60 Kg - 110 UTS Each 100.00 363.35 36  Total 36  Item- 21 161020/Drilling holes of 16 mm to 32 mm dia. with Rail Drilling machine in all types of rail section with contractor's tools & plants, equipment, consumable with all lead & lift etc. complete, as directed by Engine charge. Rail Drilling Machine will be as per RDSO Specification No. TM/SM/3, dated 24.04.1991 for -  S No.	335.00 335.00 er in- ount 282.00
No   161011   60 Kg - 110 UTS   Each   100.00   363.35   36	335.00 335.00 er in- bunt 282.00 282.00
No   161011   60 Kg - 110 UTS   Each   100.00   363.35   36	335.00 335.00 er in- bunt 282.00 282.00
No   161011   60 Kg - 110 UTS   Each   100.00   363.35   36	335.00 335.00 er in- bunt 282.00 282.00 it none

### 4. ELIGIBILITY CONDITIONS

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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 Financial Criteria

S.No		Confirmation Required		Documents Uploading
1	As Per Tender Document	No	INο	Allowed (Mandatory)

#### **Special Technical Criteria**

S.No	· ·	Confirmation Required		Documents Uploading
1	As Per 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.

#### **Check Lst**

S.No.		Confirmation Required		Documents Uploading
1	As Per Tender Document	No	No	Not Allowed

#### Commercial-Compliance

S.No.	•	Confirmation Required		Documents Uploading
1	As Per Tender Document	No	Nο	Allowed (Mandatory)
2	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

#### **General Instructions**

Ī	S.No.	Description	Confirmation	Remarks	Documents
			Required	Allowed	Uploading
ĺ	1	As Per Tender Document	No	No	Not Allowed

#### **Special Conditions**

S.No.	•	Confirmation Required		Documents Uploading
1	As Per Tender Document	No	No	Not Allowed

#### **Technical-Compliances**

S.No.	•	Confirmation Required		Documents Uploading
1	As Per Tender Document	No	INο	Allowed (Mandatory)

#### **Undertakings**

S.No.		Confirmation Required		Documents Uploading
1	As Per Tender Document	No	No	Not Allowed

#### 6. Documents attached with tender

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S.No.	Document Name	Document Description
1	TechnicalBid05.04.2024.pdf	Technical Bid
2	FinancialBid05.04.2024.pdf	Financial Bid

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Induswww 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: HARISH KUMAR JAIN

**Designation:** DYPMWorks

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