

**WDFC FIELD UNIT-JAIPUR-CIVIL/WDFC
TENDER DOCUMENT**

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 connectivity from CMLK (CONCOR Siding at Khatuwas) at REJN end under jurisdiction of CGM/JP of WDFC.		
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
Schedule A-USSOR-2019 & NS items (Earth Work, Subgrade, Blanketing, Construction of Minor & Road under Bridges)							355287202.28	
	Please see Item Breakup for details.				1302989.65	6.51	1387814.28	
1	Description:- 11010/Earthwork in cutting (classified) in formation, trolley refuges, side drains, level crossing approaches, platforms, catch water drains, diversion of nallah & finishing to required dimension and slopes to obtain a neat appearance to standard profile inclusive of all labour, machine & materials and removing & leading all cut spoils either to make spoil dumps beyond 10m from cutting edge or for filling in embankment with leads within 2 km on either side of cutting edge, lifts, ascent, descent, loading, unloading, all taxes / royalty, clearance of site and all incidental charges, bailing & pumping out water, if required, etc. complete as per directions of the Engineer-in-Charge. The work is to be executed as per latest / updated edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow. Cut trees shall be property of Railways and to be deposited in the railway godown unless specified otherwise in the Special Conditions of Contract. {Note - (i) All usable earth arising from cut spoils shall be led into bank formation and Unusable spoils shall be dumped / stacked (ii) All hard rock /and boulders not fit for filling will be stacked by the contractor and will be property of the Railways.}							
2	12010	59758.61	cum	289.84	17320435.52	6.51	18447995.87	
	Description:- Earthwork in filling in embankment , guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds, if provided, platforms etc. with earth, suitable for embankment as per RDSO latest Specifications and guidelines GE: G-14 of Soil Quality Class SQ1, excavated from outside railway boundary entirely arranged by the contractor at his own cost including all leads, lifts, ascents, descents, crossing of nallahs or any other obstructions. The item shall include demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetations growth, heavy grass, benching of existing slope of old bank, all handling/re-handling, spreading in layers with motor grader, bringing the moisture content to OMC, mechanical compaction to specified density and dressing of bank to final profile as a complete job. The payment shall be made as per finished profile and the rate shall include all costs including taxes, octroi, royalty etc. except for mechanical compaction which shall be paid extra under relevant item. Cut trees shall be property of railways and to be deposited in the railway godown unless specified otherwise in the Special Conditions of Contract.							
	12020	44487.00	cum	312.44	13899518.28	6.51	14804376.92	

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3	<p>Description:- Earthwork in filling in embankment , guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds, if provided, platforms etc. with earth, suitable for embankment as per RDSO latest Specifications and guidelines GE: G-14 of Soil Quality Class SQ2, excavated from outside railway boundary entirely arranged by the contractor at his own cost including all leads, lifts, ascents, descents, crossing of nallahs or any other obstructions. The item shall include demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetations growth, heavy grass, benching of existing slope of old bank, all handling/re-handling, spreading in layers with motor grader, bringing the moisture content to OMC, mechanical compaction to specified density and dressing of bank to final profile as a complete job. The payment shall be made as per finished profile and the rate shall include all costs including taxes, octroi, royalty etc. except for mechanical compaction which shall be paid extra under relevant item. Cut trees shall be property of railways and to be deposited in the railway godown unless specified otherwise in the Special Conditions of Contract. Note: Payment under this item shall be made only upto the thickness as approved by Engineer-in-Charge. Any additional thickness executed shall be paid under the item of Earthwork in filling in embankment for Soil Quality Class SQ1.</p>						
4	12040	104245.61	cum	19.09	1990048.69	6.51	2119600.86
	<p>Description:- Extra for mechanical compaction of soil in embankment with contractor's rollers of suitable capacity, type and size to achieve specified density as per specification, testing as per IS codes including cost of water, T&P, consumable and all labour as a complete job. The work is to be executed as per Latest edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow.</p>						
5	12050	21585.00	cum	1823.65	39363485.25	6.51	41926048.14
	<p>Description:- Providing of Blanketing over finished formation as per latest RDSO specifications and procedures by supplying materials of approved quality, spreading in layers not exceeding in 30cm in thickness in loose conditions and leveling by motor grader and compacting by vibro roller of required capacity upto desired degree of compaction, finishing to correct profile with all lead and lift, complete in all respect to the satisfaction of the Engineer-in-Charge. Rate includes all labour, material, tools, plants, machinery, testing equipment, testing charges, taxes, Royalties, Octroi etc. and all other incidental charges including compaction. Note: (i) The work shall be carried out as per RDSO Guidelines and specifications for Design of Formation for Heavy Axle Load (Report No. RDSO/2007/GE: 0014 of November, 2009) for mechanically produced blanketing material for Railway Formation. (ii) The Quality Control tests as prescribed vide RDSO/2007/ GE:0014 with up to date amendment shall be arranged at site by the Contractor, for which no separate payment will be made. (iii) The tenderer is requested to go through specifications of blanketing material as per GE-0014 RDSO specifications. The blanketing material is expected to be manufactured in quarry/ site with pug mill type blender from stone crushed material of required quality as per specification with the grading falling in the enveloping curve. The rate includes the CBR tests, Los Angeles Abrasion test, Impact tests, Atterberg limits, Grain size analysis, MDD and all quality tests as per specifications to be carried as per the laid down frequency on blanketing material/ compacted finished blanket surface. (iv) Measurement will be made on finished profile after compaction.</p>						
6	13010	62204.40	10 Sqm	196.51	1222378.66	6.51	1301955.51
	<p>Description:- Dressing surface (average excavation or filling upto 15 cm) including removing vegetation in all kind of soil. Payment against this item is to be made only if it is not included in earth work item.</p>						
7	Please see Item Breakup for details.				432620.00	6.51	460783.56
	<p>Description:- 13100/Providing and removing barricading with the help of portable fencing along running track where work is to be done in close vicinity of track. Fencing shall consist of self supporting steel angles of size 50mm x 50mm x 6mm, 1.5m long provided with hooks etc. and embedded in CC 1:2:4 block of size 0.23m x 0.23m x 0.23m placed at c/c distance of 2m along track. 12mm dia rods in three horizontal layers shall be tack welded with angle posts. {Note : Released material will be property of the contractor after completion of work. Cost of cement to be paid separately}</p>						
8	Please see Item Breakup for details.				8992776.94	6.51	9578206.72
	<p>Description:- 22010/Earthwork in excavation by mechanical means (Hydraulic Excavator)/Manual Means for foundations and floors of the bridges, retaining walls etc. including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil upto a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge. Note: This item will be used for excavation work in connection with other miscellaneous works also. like side drains, foundation for OHE masts and other miscellaneous structures in connection with Gauge Conversion, Doubling, New lines</p>						
9	Please see Item Breakup for details.				16485780.35	6.51	17559004.65
	<p>Description:- 22030/Providing and laying in position Plain cement concrete of specified Nominal Mix for miscellaneous works like side drains, foundation for OHE masts and other miscellaneous structures excluding the cost of Cement, centering and shuttering - All work up to plinth level :</p>						
10	22040	367.27	cum	2604.77	956653.88	6.51	1018932.05

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10	<p>Description:- Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of specified grade (Cast in- Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality in RCC raft foundation & Pile cap including finishing, using Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement and shuttering shall be paid extra.</p>						
	Please see Item Breakup for details.		10624997.58	6.51	11316684.92		
11	<p>Description:- 22050/Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of M35 grade (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality for the following Reinforced cement concrete structural elements up to height of 10 m from foundation top level, including finishing, using Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement, shuttering shall be paid extra</p>						
	24010	881.62	cum	2865.24	2526052.89	6.51	2690498.93
12	<p>Description:- Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of M35 grade (Cast in-Situ/Pre-cast) in bottom/top slab, side walls, toe wall and sumps haunch filling head walls or any other component using 20mm graded crushed stone aggregate and coarse sand of approved quality of RCC box of any size including finishing, Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability, complete as per drawings and technical specifications as directed by Engineer in charge. Payment for cement, reinforcement and shuttering shall be made extra.</p>						
	25020	5010.32	Sqm	172.40	863779.17	6.51	920011.19
13	<p>Description:- Providing and applying two coats of coal tar or bitumen confirming to IS:3117- latest version on the top and sides of RCC box/slabs @ 1.70 kg/sqm after cleaning the surface with all labour and materials complete job as directed by the Engineer</p>						
	Please see Item Breakup for details.			23607028.64	6.51	25143846.20	
14	<p>Description:- 25030/centering and shuttering including strutting, propping etc. and removal of form for :</p>						
	Please see Item Breakup for details.			32415185.22	6.51	34525413.78	
15	<p>Description:- 25060/Supply and using Cement at Worksite</p>						
	Please see Item Breakup for details.			28554237.84	6.51	30413118.72	
16	<p>Description:- 25070/Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete</p>						
	Please see Item Breakup for details.			72217.20	6.51	76918.54	
17	<p>Description:- 31140/Providing and fixing in position GI Drainage Spouts of required length with Grating in RCC slab and filling bitumen along kerb as shown in drawing with contractor's pipes, bitumen, tools, equipment, lead, lifts etc. complete as per specifications and as directed by Engineer in-charge</p>						
	41390	118.47	MT	80457.76	9531830.83	6.51	10152353.02
18	<p>Description:- Supplying fabricating and erecting welded and/or bolted and/or riveted steel work in built up sections, trusses and framed work, staging, racks etc.for Steel Structures other than bridge girders, using RSJ, tees, angles and channels/flats, plates, gussets, round or square bars, cleats, bolts etc., with contractors own steel including cutting, bending, straightening, drilling, riveting, hoisting, fixing, erecting, welding, bolting etc., with Providing stiffeners wherever required as per approved drawing including applying a priming coat of a approved steel primer with all contractor's materials, labour, tools & plants, lead & lift including crossing of tracks if required etc., complete as per specification and as directed by Engineer-in-charge.</p>						
	51080	2187.61	cum	2917.61	6382592.81	6.51	6798099.60
19	<p>Description:- Providing and laying filter material as per RDSO specification underneath pitching in slopes complete as per drawing and technical specification</p>						
	52140	2712.14	Kg	206.17	559161.90	6.51	595563.34
20	<p>Description:- Providing / fixing / grouting various size HTS holding down bolt in concrete column or in other structural steel member using epoxy concrete including drilling holes of required size, bolts threaded at both ends shall be fixed with proper size nuts bolts, plates, washers complete including all labour and material</p>						
	52150	371.13	Metre	532.27	197541.37	6.51	210401.31
21	<p>Description:- Providing weep holes by making suitable opening or drilling in existing Brick Masonry / Plain / Reinforced Concrete abutment, wing wall/return wall with 110 mm dia UPVC pipe (working pressure 4kg/sqcm) extending through the full width of the structure complete and repairing the same with cement mortar 1:2 (1 cement : 2 coarse sand). Rate is excluding the cost of cement which shall be paid extra.</p>						
	Please see Item Breakup for details.			1203725.00	6.51	1282087.50	
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	Description:- 52250/Providing & laying non pressure NP-4 Class RCC pipe with collars, jointing with 1:2 cement and ordinary sand mortar including testing of joints, but excluding earthwork with all labour and material as a complete job. Cement for mortar will be paid separately.(Pipes of 600mm dia and above will be laid using crane/hydra).						
23	52270	2789.61	cum	478.69	1335358.41	6.51	1422290.24
	Description:- Providing Boulder Backing behind wing wall, return wall, retaining wall with hand packed boulders & cobbles with smaller size boulders toward the back including all lead, lift, labour & other incidental charges as complete work in all respect. Payment for boulder/cobbles will be done extra						
24	Please see Item Breakup for details.			6763113.37	6.51	7203392.05	
	Description:- 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 roughened or bond improved by other appropriate means) complete as per specification.						
25	NS1	18.00	Each	31664.05	569952.90	0.00	569952.90
	Description:- Second step plate load test to measure deformation modulus EV2 of compacted layers.						
26	NS2	100.00	cum	2639.80	263980.00	AT Par	263980.00
	Description:- Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge						
27	NS3	50.00	cum	1117.28	55864.00	AT Par	55864.00
	Description:- Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix i.e equivalent design mix						
28	NS4	500.00	Sqm	334.58	167290.00	AT Par	167290.00
	Description:- Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material up to a lead of 1 kilometre, as per direction of Engineer-in-charge.						
29	NS5	12.00	Month	55157.45	661889.40	AT Par	661889.40
	Description:- 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 312 hours per month. The rate includes license fee, permit, driver's wages, Fuel, repair and maintenance of vehicle etc. with exceptions as mentioned in conditions.						
30	NS6	12.00	Month	56896.51	682758.12	AT Par	682758.12
	Description:- Hiring and operating of Multi-Utility vehicle (open) Mahindra Bolero Camper Gold ZX or Similar with loading capacity of one MT and seating capacity of 4/6 persons,4 cylinders engine, Axle Configuration 4x2, factory-built metal body, cargo box type or passenger cabin type or both (with 12 hours availability (Typically from 08:00 hrs to 20:00 hrs) along with Driver, 360 hrs. per month), including cost of fuel, lubricants, all repairs, salary of driver, all taxes, including running up to 2000 km in a month.						
31	NS7	168.00	cum	7169.53	1204481.04	AT Par	1204481.04
	Description:- Providing and fixing precast cement concrete solid block Pitching of, including hoisting and setting in position with cement mortar 1:4 (1 cement : 4 coarse sand), cost of required centering, shuttering complete : 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).						
32	NS8	34334.00	Sqm	158.95	5457389.30	AT Par	5457389.30
	Description:- Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.						
33	NS9	13272.38	cum	1719.56	22822653.75	AT Par	22822653.75
	Description:- Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge./With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30						
	NS10	7963.43	cum	2651.27	21113203.06	AT Par	21113203.06

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34	Description:- Construction of dry lean cement concrete sub base over a prepared sub-grade with coarse and fine 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 a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer-in- charge.						
35	NS11	6867.00	cum	5977.76	41049277.92	AT Par	41049277.92
	Description:- 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 in 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						
36	NS12	122303.07	Kg	113.75	13911974.21	AT Par	13911974.21
	Description:- Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete/ Hot finished welded type tubes						
37	NS13	426.00	RM	585.77	249538.02	AT Par	249538.02
	Description:- 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 epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete ./Ridges plain (500-600mm)						
38	NS14	4139.29	Sqm	1018.00	4213797.22	AT Par	4213797.22
	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 yield strength) having a coating of mass of 150 gsm zinc-aluminium coating AZ-150 total on both sides as per, AS 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						
39	NS15	6138.36	Sqm	58.56	359462.36	AT Par	359462.36
	Description:- Painting with synthetic enamel paint of approved brand and manufacture to give an even shade/Two or more coats on new work						
40	NS16	2.00	Numbers	48347.54	96695.08	AT Par	96695.08
	Description:- Supply VOLTRIQ Intel Core i3 All in One PC with 23.8 Inch Display/Windows 11 Professional						
41	NS17	2.00	Numbers	12499.00	24998.00	AT Par	24998.00
	Description:- Supply of Epson inkjet Colour Computer Printer for A4 Paper size						
42	NS18	1.00	Numbers	236000.00	236000.00	AT Par	236000.00
	Description:- Supply of Sharp Color MFD BP-50C26 including Paper Tray with Trolley						
43	NS19	2.00	Numbers	395300.00	790600.00	AT Par	790600.00
	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
Schedule B-USSOR-2019 & NS Items (P. Way work including track linking, supply of P. Way material & ballast).							66958794.33	
	Please see Item Breakup for details.				379580.48	6.51	404291.17	

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				Description:- 71020/Assembling complete BG Turnout including symmetrical split on staging or on formation / ballast bed to correct gauge and alignment as per standard drawing on all types of rails over PSC sleepers at specified locations, duly leading special size sleepers, switches, crossings, fittings, fastenings etc. with maximum lead of 250m & all lift and testing points with S&T staff for throw of switch etc. at station yard after levelling surface complete and as directed by engineer in-charge. Note: (Rail cutting and Drilling shall be paid separately)				
2	Please see Item Breakup for details.			136016.40	6.51	144871.07		
	Description:- 71130/ Insertion and linking with track, the already assembled BG PSC turnout by slewing with the help of manual labour or by cranes including crossing of one track in traffic block without any damage to track components including preparing ballast bed and providing one round of kutcha packing of ballast under bottom of sleepers to make track fit for 20 kmph speed to required alignment and longitudinal level, as directed by engineer in-charge for -							
3	Please see Item Breakup for details.			1900327.60	6.51	2024038.93		
	Description:- 81050/Running out / Putting of railway's stone ballast from existing stacks available along alignment either on top of cutting or on formation or at toe of bank by head leads or by any other means and spreading to the required profile with contractor's labour, tools & plants, as directed by Engineer in-charge. {Payment shall be made based on ballast stack measurement}							
4	Please see Item Breakup for details.			857225.25	6.51	913030.61		
	Description:- 81060/Lifting and packing for regrading the existing BG track to required height /level in stages not exceeding 75mm or part thereof at a time, providing permissible ramp for the track, insertion of moorum / sand / stone ballast uniformly under the existing track and placing the same to safe approved gradient, gauge, cushion including levelling and one round of through packing to allow train movement at restricted speed of 30 kmph for a specified length with all leads & lifts and fixing, marking, painting rail level posts, tiebars at every 30m interval. {Note : Lifting of track shall be done in stages as per procedure laid down in Para 233 of IRPWM to get the proposed final level as per approved working profile, as directed by engineer in-charge}							
5	Please see Item Breakup for details.			1074017.60	6.51	1143936.15		
	Description:- 91030/25mm gap 'in-situ' welding and finishing of rail joints as per IR's AT Welding Manual with latest correction slips, RDSO approved welding portion and competent welder, labour, tools, equipments complete during traffic block. {Item includes use of weld trimming machine and grinding of weld finished to meet the weld tolerances and also anti corrosive painting to weld & marking of welded joint, as directed by Engineer in charge} -							
6	Please see Item Breakup for details.			2537775.50	6.51	2702984.69		
	Description:- 91090/Flash Butt Welding of 90 UTS rails, conforming to IR's Manual for Flash Butt Welding of Rail, using contractor's self-propelled rail cum road / Mobile FBW Plants, tools, equipments and consumables. Item also includes painting and marking of welded joints, pre-straightening & post-straightening of panels and USFD testing of finished weld as directed by engineer in-charge for -							
7	Please see Item Breakup for details.			300790.08	6.51	320371.51		
	Description:- 121090/Shifting & pairing of rails / panels unloaded alongside existing running track to adjoining formation including crossing of track, duly lifting & pushing rail /panel without damaging it and taking all necessary precautions, so as not to infringe the running track, as directed by Engineer in-charge. NOTE: The disturbed rail barricading should be restored to its original condition by the agency including re-fixing & concreting as required.							
8	Please see Item Breakup for details.			17156.16	6.51	18273.03		
	Description:- 121100/Providing Centre Line / Rail Level Pegs on formation at an interval of 30 metres on one side or at centre of proposed / existing track, as directed by engineer in-charge for linking of new track / CTR / Deep Screening / Lifting / Lowering works, duly embedding in formation including marking with contractor's paint (rails & tie bar pegs of suitable size will be supplied by Railways) [Note: (1) Rails/tie bar shall be supplied by the Railways within free lead of 250m Stores Depot. In case of hard wood peg, the hard wood will be supplied by the contractor. (2) Excavation and concrete work will be paid separately.]							
9	121120	4413.00	Track metre	36.06	159132.78	6.51	169492.32	
	Description:- Compaction of ballast in layer, laid on new formation at all the locations with smooth wheeled power roller of 8-10 tonne capacity to sufficient number of passes to form consolidated ballast bed of 100mm - 150mm thickness to a width of 3.5m to 4.5m symmetrical to centre line of proposed track, to suit finished formation to correct line & level with all ascents & descents, as directed by Engineer in-charge.{Note : (1) Rate is inclusive of (a) providing ramp for taking roller to formation and removing the same & making good formation after completion of work; (b) redistribution & leveling of excess ballast while rolling to obtain uniform plane cambered surface; (2) 1.6 times to linear length of turnout shall be paid for work on turnout}							
10	Please see Item Breakup for details.			1168076.97	6.51	1244118.78		
	Description:- 121130/Linking of BG track on prepared formation to correct gauge & alignment with Railway's track materials including spreading sleepers at specified spacing, squaring, pairing & fixing rails to sleepers with all types of rail fittings & fastenings including their lubrication as per IRPWM standards. Rate is inclusive of kutcha packing to make track fit for 20 kmph speed : (NOTE: Rail cutting and Hole drilling shall be paid seperately)							
	121140	2.00	Set	6585.71	13171.42	6.51	14028.88	

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11	Description:- 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	Description:- 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	Description:- 131080/First and second through packing of points and crossing including gauging, fittings recoument, 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	Description:- 131090/Third or subsequent through packing of points and crossing including gauging, fittings recoument, 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	Description:- 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, re-fixing 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 Metre	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	Description:- 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	Description:- 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	Description:- 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	Description:- 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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21	Please see Item Breakup for details.			7282.00	6.51	7756.06	
	Description:- 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 Engineer in-charge. Rail Drilling Machine will be as per RDSO Specification No. TM/SM/3, dated 24.04.1991 for -						
22	Please see Item Breakup for details.			76801.28	6.51	81801.04	
	Description:- 181230/Providing Rail Height Gauge at approaches of level crossings as per approved drawings in cement concrete foundation using Railway's rails of all sections including cutting, bending, drilling holes, erecting in position with clamps, bolts & nuts including painting with one coat of enamel paint of specified colour over one coat of primer. {Note : excavation and concrete work will be paid separately} -						
23	NS1	8.00	Numbers	3672137.02	29377096.16	AT Par	29377096.16
	Description:- Supply of 1 in 12 RH/LH Turn out with thick web switches complete assembly as per Drawing no. VAEVKN04617-08 or amended time to time i.e fittings, strecher bars, GRSP sets, weldable CMS crossing etc, from RDSO/DFCCIL approved firm. Final Rate includes inspection charges for inspection by RITES/DFCCIL/ Any other agency approved by DFCCIL						
24	NS2	14652.00	Numbers	33.84	495823.68	AT Par	495823.68
	Description:- Supply of Liner- T-8255 Metal Liner						
25	NS3	14652.00	Numbers	33.84	495823.68	AT Par	495823.68
	Description:- Supply of Liner- T-8254 Metal Liner						
26	NS4	29304.00	Numbers	92.38	2707103.52	AT Par	2707103.52
	Description:- ERC Mark V RDSO Drg. T-5919						
27	NS5	14652.00	Numbers	58.30	854211.60	AT Par	854211.60
	Description:- Supply of Rubber pad T-7010						
28	NS6	1350.00	Pair	4692.60	6335010.00	AT Par	6335010.00
	Description:- Supply of 1 meter long fish plate 60 Kg (As per RDSO drawing T-5849) as per RDSO specification T-1-2012						
29	NS7	1350.00	Numbers	560.64	756864.00	AT Par	756864.00
	Description:- Supply of Fish plate clamps						
30	NS8	12413.14	cum	653.28	8109256.10	AT Par	8109256.10
	Description:- Manufacturing, supplying machine crushed stone track ballast confirming to Railways specifications from outside Railway land with contractors own material, crushing arrangement, tools and plants, skilled and unskilled labour, supervision or any other component of the work with or lead lift, descent, royly, taxes etc. levied by central/State/Local Govt. in complete in all respect						
31	NS9	12413.14	cum	57.97	719589.73	AT Par	719589.73
	Description:- Extra if Ballast is to be stacked in private land in case sufficient railway Land is not available.						
32	NS10	650.00	Set	5363.88	3486522.00	AT Par	3486522.00
	Description:- Supply of Joggled fish plates (2 nos. per set) with 4 pair clamps , 4 nos. bolts and nut and 8 nos. special washer and wooden blockes for 60 KG Rail as per RDSO drg no. T-4016/T-5849 with latest , if any at fianl location of linking /laying as directed by engineer						
33	NS11	25.00	Each	2601.00	65025.00	AT Par	65025.00
	Description:- Supplying and fixing Boards for LWR, curves and Turnouts made of 16 gauge M.S. Sheet with ISA 40x40x5 MM frame and ISA 75x75x6 MM posts as per drawings duly painted and lettered with luminous paint.						
34	NS12	2.00	Numbers	678610.56	1357221.12	AT Par	1357221.12
	Description:- Supply of Derailing switch including sleepers and all fittings						

3. ITEM BREAKUP

Schedule	Schedule A-USSOR-2019 & NS items (Earth Work, Subgrade, Blanketing, Construction of Minor & Road under Bridges)
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Item- 1	11010/Earthwork in cutting (classified) in formation, trolley refuges, side drains, level crossing approaches, platforms, catch water drains, diversion of nallah & finishing to required dimension and slopes to obtain a neat appearance to standard profile inclusive of all labour, machine & materials and removing & leading all cut spoils either to make spoil dumps beyond 10m from cutting edge or for filling in embankment with leads within 2 km on either side of cutting edge, lifts, ascent, descent, loading, unloading, all taxes / royalty, clearance of site and all incidental charges, bailing & pumping out water, if required, etc. complete as per directions of the Engineer-in-Charge. The work is to be executed as per latest / updated edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow. Cut trees shall be property of Railways and to be deposited in the railway godown unless specified otherwise in the Special Conditions of Contract. {Note - (i) All usable earth arising from cut spoils shall be led into bank formation and Unusable spoils shall be dumped / stacked (ii) All hard rock /and boulders not fit for filling will be stacked by the contractor and will be property of the Railways.}					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	11011	In all conditions and classifications of soil except rock	cum	8790.62	144.94	1274112.46
2	11016	Extra for leading of Cut spoil every one km beyond original lead of 2 km over item no. 011010	cum	4395.31	6.57	28877.19
					Total	1302989.65
Item- 7	13100/Providing and removing barricading with the help of portable fencing along running track where work is to be done in close vicinity of track. Fencing shall consist of self supporting steel angles of size 50mm x 50mm x 6mm, 1.5m long provided with hooks etc. and embedded in CC 1:2:4 block of size 0.23m x 0.23m x 0.23m placed at c/c distance of 2m along track. 12mm dia rods in three horizontal layers shall be tack welded with angle posts. {Note : Released material will be property of the contractor after completion of work. Cost of cement to be paid separately}					
S No.	Item No	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
					Total	432620.00
Item- 8	22010/Earthwork in excavation by mechanical means (Hydraulic Excavator)/Manual Means for foundations and floors of the bridges, retaining walls etc. including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil upto a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge. Note: This item will be used for excavation work in connection with other miscellaneous works also. like side drains, foundation for OHE masts and other miscellaneous structures in connection with Gauge Conversion, Doubling, New lines					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	22011	All kinds of soils	cum	48889.73	183.94	8992776.94
					Total	8992776.94
Item- 9	22030/Providing and laying in position Plain cement concrete of specified Nominal Mix for miscellaneous works like side drains, foundation for OHE masts and other miscellaneous structures excluding the cost of Cement, centering and shuttering - All work up to plinth level :					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	22031	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	cum	5356.49	2502.43	13404241.27
2	22032	1:2:4 (1 cement : coarse sand (zone-III) : 4 graded stone aggregate 30 mm nominal size)	cum	1194.52	2579.73	3081539.08
					Total	16485780.35
Item- 11	22050/Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of M35 grade (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality for the following Reinforced cement concrete structural elements up to height of 10 m from foundation top level, including finishing, using Admixtures in approved proportions (as per IS:9103), to modify workability & other properties without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement, shuttering shall be paid extra					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	22052	Wing wall and Return wall	cum	3708.24	2865.24	10624997.58
					Total	10624997.58
Item- 14	25030/centering and shuttering including strutting, propping etc. and removal of form for :					

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	25031	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	Sqm	37171.74	635.08	23607028.64
					Total	23607028.64
Item- 15	25060/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
Item- 16	25070/Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete					
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
Item- 17	31140/Providing and fixing in position GI Drainage Spouts of required length with Grating in RCC slab and filling bitumen along kerb as shown in drawing with contractor's pipes, bitumen, tools, equipment, lead, lifts etc. complete as per specifications and as directed by Engineer in-charge					
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
Item- 22	52250/Providing & laying non pressure NP-4 Class RCC pipe with collars, jointing with 1:2 cement and ordinary sand mortar including testing of joints, but excluding earthwork with all labour and material as a complete job. Cement for mortar will be paid separately.(Pipes of 600mm dia and above will be laid using crane/hydra).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	52253	600mm dia.	Metre	445.00	2705.00	1203725.00
					Total	1203725.00
Item- 24	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 roughened or bond improved by other appropriate means) complete as per specification.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	53011	Piers, substructure, Box bridges and culverts in river bed	Sqm	8334.50	811.46	6763113.37
					Total	6763113.37
Schedule	Schedule B-USSOR-2019 & NS Items (P. Way work including track linking, supply of P. Way material & ballast).					
Item- 1	71020/Assembling complete BG Turnout including symmetrical split on staging or on formation / ballast bed to correct gauge and alignment as per standard drawing on all types of rails over PSC sleepers at specified locations, duly leading special size sleepers, switches, crossings, fittings, fastenings etc. with maximum lead of 250m & all lift and testing points with S&T staff for throw of switch etc. at station yard after levelling surface complete and as directed by engineer in-charge. Note: (Rail cutting and Drilling shall be paid separately)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	71022	1 in 12 Turnout	Set	8.00	47447.56	379580.48
					Total	379580.48

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Item- 2	71130/ Insertion and linking with track, the already assembled BG PSC turnout by slewing with the help of manual labour or by cranes including crossing of one track in traffic block without any damage to track components including preparing ballast bed and providing one round of kutchu packing of ballast under bottom of sleepers to make track fit for 20 kmph speed to required alignment and longitudinal level, as directed by engineer in-charge for -					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	71132	1 in 12 Turnout	Set	3.00	45338.80	136016.40
					Total	136016.40
Item- 3	81050/Running out / Putting of railway's stone ballast from existing stacks available along alignment either on top of cutting or on formation or at toe of bank by head leads or by any other means and spreading to the required profile with contractor's labour, tools & plants, as directed by Engineer in-charge. {Payment shall be made based on ballast stack measurement}					
S No.	Item No	Description of Item	Unit	Qty	Rate	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 50m or part thereof when total lead exceeds 50m, but upto 250m for each Cum.	Each	12413.14	33.80	419564.13
					Total	1900327.60
Item- 4	81060/Lifting and packing for regrading the existing BG track to required height /level in stages not exceeding 75mm or part thereof at a time, providing permissible ramp for the track, insertion of moorum / sand / stone ballast uniformly under the existing track and placing the same to safe approved gradient, gauge, cushion including levelling and one round of through packing to allow train movement at restricted speed of 30 kmph for a specified length with all leads & lifts and fixing, marking, painting rail level posts, tiebars at every 30m interval. {Note : Lifting of track shall be done in stages as per procedure laid down in Para 233 of IRPWM to get the proposed final level as per approved working profile, as directed by engineer in-charge}					
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 part thereof upto 275mm for item nos. 081061 and 081062 for each TM.	Each	4413.00	25.37	111957.81
					Total	857225.25
Item- 5	91030/25mm gap 'in-situ' welding and finishing of rail joints as per IR's AT Welding Manual with latest correction slips, RDSO approved welding portion and competent welder, labour, tools, equipments complete during traffic block. {Item includes use of weld trimming machine and grinding of weld finished to meet the weld tolerances and also anti corrosive painting to weld & marking of welded joint, as directed by Engineer in charge} -					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	91031	For 60 Kg Rail, Single shot crucible fitted with Automatic Tapping Thimble Technology, 3 pieces Mould (Zircon washed) and Compressed Air Petrol heating technique	Each	160.00	6712.61	1074017.60
					Total	1074017.60
Item- 6	91090/Flash Butt Welding of 90 UTS rails, conforming to IR's Manual for Flash Butt Welding of Rail, using contractor's self-propelled rail cum road / Mobile FBW Plants, tools, equipments and consumables. Item also includes painting and marking of welded joints, pre-straightening & post-straightening of panels and USFD testing of finished weld as directed by engineer in-charge for -					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	91092	60 Kg on Cess	Each	650.00	3904.27	2537775.50
					Total	2537775.50
Item- 7	121090/Shifting & pairing of rails / panels unloaded alongside existing running track to adjoining formation including crossing of track, duly lifting & pushing rail /panel without damaging it and taking all necessary precautions, so as not to infringe the running track, as directed by Engineer in-charge. NOTE: The disturbed rail barricading should be restored to its original condition by the agency including re-fixing & concreting as required.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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1	121091	Rail length upto 13m.	Running Metre	8826.00	34.08	300790.08
					Total	300790.08
Item- 8	121100/Providing Centre Line / Rail Level Pegs on formation at an interval of 30 metres on one side or at centre of proposed / existing track, as directed by engineer in-charge for linking of new track / CTR / Deep Screening / Lifting / Lowering works, duly embedding in formation including marking with contractor's paint (rails & tie bar pegs of suitable size will be supplied by Railways) [Note: (1) Rails/tie bar shall be supplied by the Railways within free lead of 250m Stores Depot. In case of hard wood peg, the hard wood will be supplied by the contractor. (2) Excavation and concrete work will be paid separately.]					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	121103	With contractor's hard wood pegs	Each	148.00	115.92	17156.16
					Total	17156.16
Item- 10	121130/Linking of BG track on prepared formation to correct gauge & alignment with Railway's track materials including spreading sleepers at specified spacing, squaring, pairing & fixing rails to sleepers with all types of rail fittings & fastenings including their lubrication as per IRPWM standards. Rate is inclusive of kutchka packing to make track fit for 20 kmph speed : (NOTE: Rail cutting and Hole drilling shall be paid seperately)					
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 Indian Railways Permanent Way Manual					
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	131080/First and second through packing of points and crossing including gauging, fittings recoupmnt, elimination of sag and to the required alignment as per provisions of Indian Railways Permanent Way Manual					
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	131090/Third or subsequent through packing of points and crossing including gauging, fittings recoupmnt, elimination of sag and to the required alignment as per provisions of Indian Railways Permanent Way Manual -					
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	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, re-fixing 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					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	131202	With Contractor's Hydraulic Rail tensor	Track metre	4413.00	83.73	369500.49
					Total	369500.49

**WDFC FIELD UNIT-JAIPUR-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: JP-EN-CONCOR-2024-03

Closing Date/Time: 06/05/2024 15:00

Item- 17	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 :					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	141021	With Contractor's USFD machine	Track Kilometre	4.41	5638.45	24865.56
					Total	24865.56
Item- 18	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 :					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	141031	Track having upto 3 rail panels	Each	160.00	205.98	32956.80
					Total	32956.80
Item- 19	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					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	141041	Track having upto 3 rail panels	Each	650.00	204.65	133022.50
					Total	133022.50
Item- 20	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 -					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	161011	60 Kg - 110 UTS	Each	100.00	363.35	36335.00
					Total	36335.00
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 Engineer in-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	Amount
1	161021	Outside Track	Each	100.00	72.82	7282.00
					Total	7282.00
Item- 22	181230/Providing Rail Height Gauge at approaches of level crossings as per approved drawings in cement concrete foundation using Railway's rails of all sections including cutting, bending, drilling holes, erecting in position with clamps, bolts & nuts including painting with one coat of enamel paint of specified colour over one coat of primer. {Note : excavation and concrete work will be paid separately} -					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	181231	(a) Less than 5 metre width of level crossing	Each	8.00	9600.16	76801.28
					Total	76801.28

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.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Per Tender Document	No	No	Allowed (Mandatory)

Special Technical Criteria

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

Commercial-Compliance

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

General Instructions

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

Special Conditions

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

Technical-Compliances

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

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	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 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: HARISH KUMAR JAIN

Designation : DYPMWorks