

**EDFC FIELD UNIT-TUNDLA-CIVIL/EDFC
TENDER DOCUMENT**

Tender No: EDFC_CGM_TDL_ROB_5C

Closing Date/Time: 19/03/2024 15:00

CGM/DFCCIL/Tundla acting for and on behalf of The President of India invites E-Tenders against Tender No EDFC_CGM_TDL_ROB_5C Closing Date/Time 19/03/2024 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	Construction of two lane Road Over Bridge (excluding approaches) having one span of 1x60.0 m using BOW String Girder at 01 No. Level Crossing in lieu of level crossings No. 5C at DFC Chainage 561/35-37 with construction of 1 no Limited Height Subway of size 4.0 M (width) X 2.5 M (height) by Box Pushing method under DFCCIL tracks and its approach DFC side only with contractor's own design drawings as per relevant IS/IRS/Railway Board Guidelines, between New Bhaupur to New Kanchosi section of CGM/TDL of Eastern Dedicated Freight Corridor Corporation of India Limited		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	19/03/2024 15:00	Date Time Of Uploading Tender	17/02/2024 14:34
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	183280934.28	Tendering Section	CIVIL
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	1066500.00	Validity of Offer (Days)	120
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	8 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	05/03/2024	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 A1-USSOR-2019							13976677.84	Above/ Below/Par
1	Please see Item Breakup for details.			16671.90	AT Par	16671.90		
	Description:- 13100-Providing and removing barricading with the help of portable fencing along the running track where the work is to be done in close vicinity of the track. Fencing shall consist of self-supporting steel angles of size 50x50x 6mm,1.5m long provided with hooks etc.and embedded in CC 1:2:4 block of size 0.23x0.23x0.23m placed at c/c distance of 2m along the track.12mm dia rods in three horizontal layers tack welded with the angle posts including providing retro- reflective tapes in Horizontal & vertical direction. Note : Released material will be the property of the contractor after the completion of work. Cost of cement to be paid separately.							
2	Please see Item Breakup for details.			115703.73	AT Par	115703.73		
	Description:- 22010-Earthwork in excavation 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 up to a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specifications as directed by Engineer							
3	Please see Item Breakup for details.			95018.08	AT Par	95018.08		
	Description:- 20230-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 :							
4	22040	436.83	cum	2868.01	1252832.81	AT Par	1252832.81	
	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 anddurability complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement and shuttering shall be paid extra							

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5	Please see Item Breakup for details.			1490616.06	AT Par	1490616.06	
	Description:- 22050-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 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.						
6	Please see Item Breakup for details.			7453116.00	AT Par	7453116.00	
	Description:- 22090-Providing, driving and installing Bored cast in-situ Reinforced Cement Concrete piles using Hydraulic piling Rig of specified diameter and length below pile cap of specified grade Design Mix Cement Concrete, using 20mm graded crushed stone aggregate and coarse sand of approved quality, to carry a safe working load not less than specified, excluding the cost of permanent casing pipe and length of pile to be embedded in pile cap etc. complete, concreting by machine batching, machine mixing, scaffolding, using Admixture in approved proportion (as per IS:9103), placing with tremie pipe, chipping off of pile top to remove laitance concrete above cut off level etc., pumping and bailing out water with all labour material complete including crossing of tracks if required, as per approved drawing, specification and direction of the Engineer in charge. Length of the pile for payment shall be measured up to the bottom of pile cap excluding the mud mat. Payment for cement, permanent casing pipe (if any) & reinforcement shall be paid extra.						
7	Please see Item Breakup for details.			781799.48	AT Par	781799.48	
	Description:- 25030-Centring and shuttering including strutting, propping etc. and removal of form for :						
8	Please see Item Breakup for details.			63681.51	AT Par	63681.51	
	Description:- 22120-Conducting load testing of a single pile upto following capacity in accordance with IS:2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. with all labour, material, tool & plants, equipment, machinery, etc. complete as per drawing and specification, as directed by the Engineer						
9	Please see Item Breakup for details.			23824.30	AT Par	23824.30	
	Description:- 22130-Lateral load testing of single pile in accordance with "IS Code of practice IS:2911 (Part-IV) for determining safe allowable lateral load of pile" with all labour, material, tool & plants, equipment, machinery, etc complete as per drawing and specification as directed by the Engineer						
10	22140	28.00	Each	3523.21	98649.88	AT Par	98649.88
	Description:- Pulse Echo Test (PET) for integrity testing of piles with contractor's men, materials and machines. The rate includes cost of Inspection of site, preparation of pile head and any other unforeseen cost required for the test, submission of reports in triplicate as per satisfaction of the Engineer in Charge at site.						
11	Please see Item Breakup for details.			470244.96	AT Par	470244.96	
	Description:- 31102-Providing and fixing in position of standard preformed sealed and slab type or strip seal elastomeric type expansion joints for Railway bridge or Road Over Bridges as per approved drawings and latest MOST/IRC specifications. The rates are inclusive of supplying, fixing with contractor's own materials, e.g. inserts, bolts, socket tubes, Neoprene sheet/cap etc., equipment's, machineries, labour, all taxes, royalty, all lead & lifts, transport, testing, surface preparations, complete						
12	Please see Item Breakup for details.			175445.85	AT Par	175445.85	
	Description:- 31110-Load testing of one or more spans of bridge as selected by the Engineer as per approved load test procedure following relevant IS/IRC/Railway codes with contractor's labour, deflection measuring instruments, loading materials, recoding and analyzing the load testing results including all lead & lift, etc. complete as required. The rates are all inclusive and will be paid after load test is finished and girder is cleared of the kentledges/loading material etc. The load shall be 1.25 times the stipulated design load.						
13	41070	2869.97	Kg	85.35	244951.94	AT Par	244951.94
	Description:- Supplying and fixing M.S. Angles 65mmx 65mmx 8mm or any other size conforming to IS:2062 in the nosing of steps of stair cases of Foot Over Bridges including provision of 10mm dia, anchor bar 600mm c/c and fixing with main girder with M.S. flat, making anti- slip arrangements over the top of nosing as per approved scheme given by Engineer in charge with all material, labour, T&P as a complete job.						
14	52160	200.00	Metre	389.58	77916.00	AT Par	77916.00
	Description:- Providing and fixing of Drainage Spouts of 110mm UPVC Type A ISI marked (Working pressure 4 kg/sqm) using suitable clamps and adhesive etc., complete.						
15	Please see Item Breakup for details.			616205.34	AT Par	616205.34	

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<p>Description:- 041130-Design, supply, fitting and fixing in position true to line and level POT-PTFE bearing of 300MT Capacity, consisting of a metal piston supported by a disc or un reinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements complete as per IS:2062, IS:1030, AISI:304, AISI:316, IS:6911, BS:3784, IS:3400, IS:226, BS-5400, Bridge Code and as per approved drawing and Technical Specifications. The design of the bearings shall be submitted by the manufacturers / contractor and got approved from Railway before fixing. Test report after inspection of the bearings shall be submitted and got approved before the materials are lifted from the manufacturer premises.</p>							
16	Any Other	1.00	Lumpsum	1000000.00	1000000.00	AT Par	1000000.00
<p>Description:- Any Other USSOR items as per instructions of site engineer</p>							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A2-USSOR-19							29888657.90	Above/ Below/Par
1	Please see Item Breakup for details.			705672.50	AT Par	705672.50		
	<p>Description:- 022010-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.</p>							
2	052040	150.00	cum	1669.17	250375.50	AT Par	250375.50	
	<p>Description:- Supply and laying of coarse sand including consolidation with all labour, lead, lift, tools, plants, crossing of tracks as per drawing and technical specification as directed by the Engineer in charge in case loose slush is encountered at site of foundation before casting the foundation or laying the filtering media</p>							
3	22060	75.00	cum	3054.24	229068.00	AT Par	229068.00	
	<p>Description:- Providing and laying Plain Cement Concrete 1:3:6 with graded stone aggregate of 40mm nominal size, in foundation and floors, retaining walls of bridges including mechanical mixing, vibrating, pumping and bailing out water where ever required with all materials and labour complete but excluding the cost of cement and shuttering as per drawings and technical specifications as directed by Engineer.</p>							
4	024010	800.00	cum	3382.30	2705840.00	AT Par	2705840.00	
	<p>Description:- Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete of specified 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>							
5	Please see Item Breakup for details.			738715.00	AT Par	738715.00		
	<p>Description:- 052070-Grouting of masonry/concrete by injection process duly Sealing of cracks, through nipples complete as per Technical Specification and procedure given in IRBM Para No 209 including necessary admixture. (Cement wil be paid extra)</p>							
6	Please see Item Breakup for details.			2099104.00	AT Par	2099104.00		
	<p>Description:- 025030-Centering and shuttering including strutting, propping etc. and removal of form for :</p>							
7	052280	360.00	HP Hour	50.47	18169.20	AT Par	18169.20	
	<p>Description:- Dewatering of natural or accumulated water from any location. Payment to be done for Horse power of pump multiplied by pumping hours.</p>							
8	041080	1200.00	Kg	172.39	206868.00	AT Par	206868.00	
	<p>Description:- Providing and fixing various size HTS holding down bolts conforming to IS:1364 in concrete column or in other structures with proper nuts, bolts, washers/ plates, grouting of holes with all material, labour, T&P as a complete job.</p>							
9	Please see Item Breakup for details.			15320.40	AT Par	15320.40		
	<p>Description:- 013100-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>							

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10	Please see Item Breakup for details.			3290986.20	AT Par	3290986.20	
	Description:- 025060-Supply and using Cement at Worksite:						
11	Please see Item Breakup for details.			9218000.00	AT Par	9218000.00	
	Description:- 025070-Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete						
12	041390	20.00	MT	94977.24	1899544.80	AT Par	1899544.80
	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.						
13	131270	25.00	Day	18303.92	457598.00	AT Par	457598.00
	Description:- Maintenance of track on main line & loops, Points & crossings etc. including special attention to section for carrying out various maintenance works listed in Indian Railways P.Way Manual / Bridge Manual / LWR Manual for safe running of goods and passenger trains with contractor's tools / labours etc. complete, as directed by Engineer in-charge. {Note : (1) Contractor shall arrange one gang at any point of time comprising of minimum 20 labours with sufficient experience in P.Way working and one P.Way Supervisor. (2) In case, contractor provides less no. of Labour / Supervisor, payment will be deducted @ 10% of the accepted rate per person}						
14	31120	529.10	Sqm per RM	12183.55	6446316.30	AT Par	6446316.30
	Description:- Design and casting of precast single/twin RCC box with or without common web section including thrust bed for RUB/ROB/Canal works with weigh batching/using RMC of Specified grade controlled concrete and pushing in correct position and alignment below Railway track/Road by jacking by "Box pushing technique" as per approved drawing for vent way of any size with or without surcharge in all types of soils including shoring/strutting whenever required and disposal of surplus earth away from vent way upto a maximum lead of 1 Km including de-watering if required, under traffic conditions of Electrified/Non-Electrified sections, fixing of drag sheets, wearing coat as per approved drawing of M 20 Grade or above concrete, including footpaths/cable ducts with kerbs/crash barriers if required, parapet walls on both sides, including cast in-situ plaques for inscribing particulars of bridge foundation of size 450X450X50mm on bridge abutments/returns, casting of bridge number plaques in situ of overall size 750X720X400mm, drainage arrangements in box portion as per approved drawing/scheme, provision of cutting edges, providing and fixing electrical conduit pipes, junction boxes of approved dimension and quality, all fittings wherever required, mobilization operations, generator of required capacity for power supply, lighting, arrangements, other safety measures like protection of track/road traffic etc., during execution of work if required, with all contractors material, cement, Ready Mixed Concrete (if required), reinforcement steel, structural steel, shuttering, labour, tools and plants, machinery, and any other material required for execution of work in all respect with all lead and lift, transportation and as directed by Engineer incharge. Note: (1) The rate includes all items of work/supplies for complete job in all respects except cost of Reinforced cement concrete, cement, reinforcement & shuttering of (i) main RCC Box and (ii) Thrust Bed only which shall be paid extra under relevant item of USSOR. (2) If soft rock or hard rock is encountered in place of soil, difference between the respective rates of excavation for quantity of soft rock or hard rock and soil shall be paid extra under relevant items.						
15	Please see Item Breakup for details.			1107080.00	AT Par	1107080.00	
	Description:- 131580-Painting of Bridge Reference / Boards, Structures etc. along track with enamel paint of approved make with different colours & letters, as directed by Engineer in-charge						
16	Lump Sum			500000.00	AT Par	500000.00	
	Description :- Any Other USSOR items as per instructions of site engineer						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B1-USSOR-2019							8702981.20	Above/ Below/Par
17	Please see Item Breakup for details.			8702981.20	AT Par	8702981.20		
	Description:- 25060-Supply and using Cement at Worksite							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B2-DSR-21							1276721.00	Above/ Below/Par
	A	720.00	Sqm	756.64	544780.80	AT Par	544780.80	

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17	Description:- 12.5-Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer in-charge. The sheet shall be fixed using self-drilling /self-tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.						
18	Please see Item Breakup for details.		610855.00	AT Par	610855.00		
	Description:- 10.16-Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.						
19	A	30.00	Sqm	702.84	21085.20	AT Par	21085.20
	Description:- 16 . 62 - Providing and applying 2.5 mm thick road marking strips (retro reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi-automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.						
20	Lump Sum		100000.00	AT Par	100000.00		
	Description :- Any Other DSR items as per instructions of site engineer						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule C1-USSOR-2019							28690477.20	Above/ Below/Par
18	Please see Item Breakup for details.		28690477.20	AT Par	28690477.20			
	Description:- 25070-Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule C2-NON SCHEDULE							10672368.00	Above/ Below/Par
21	NS1	600.00	Kg	13353.03	8011818.00	AT Par	8011818.00	
	Description:- Providing and fixing of Sheet pile for shoring and shuttering near existing railway track for excavation to box structure and Removal of sheet piles.							
22	NS2	2500.00	Metre	305.28	763200.00	AT Par	763200.00	
	Description:- Driving soil nails comprising of 25/28/32 mm dia TOR/TMT bar of varying length ranging between 10 mtr to 25 mtr by suitable (Manual/mechanical/pneumatic means in existing strata up to 7 mtr height above bed level of RCC boxes including provision/erection of suitable platform at various height required for cutting welding, driving nails operation, fixing of MS plates if required labour and taxes etc as a complete job. Note- The cost of nails and MS plates shall be paid separately under relevant item.							
23	NS3	1000.00	Kg	1373.62	1373620.00	AT Par	1373620.00	
	Description:- Fixing of nozzles and sockets where heavy Leakages are occurring and injecting PU Grouting with high intensity with the help of high pressure PU grouting pumps etc. all complete in good condition made on the basis of consumption, (complete work)							
24	NS4	250.00	cum	2094.92	523730.00	AT Par	523730.00	
	Description:- Supplying and filling in embankment with granular material (filter media) with contractor's labour ,tools, equipment, machinery etc as per direction of Engineer in charge ,rates includes lift 1.5m, watering, ramming, consolidating and dressing complete. Rates includes all leads and transportation up to work spot.							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule D1-DSR-21							3595139.79	Above/ Below/Par
19	Please see Item Breakup for details.		309715.97	AT Par	309715.97			
	Description:- 4.1-Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level							

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20	Please see Item Breakup for details.				1110613.99	AT Par	1110613.99	
	Description:- 4.2-Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:							
21	Please see Item Breakup for details.				133645.67	AT Par	133645.67	
	Description:- 4.4-Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering and finishing.							
22	Please see Item Breakup for details.				565073.44	AT Par	565073.44	
	Description:- 5.9-Centering and shuttering including strutting, propping etc. and removal of form work for :							
23	Please see Item Breakup for details.				103657.63	AT Par	103657.63	
	Description:- 6.1-Brick work with non-modular (FPS) bricks of class designation 7.5 in foundation and plinth in :							
24	Please see Item Breakup for details.				146530.00	AT Par	146530.00	
	Description:- 10.25-Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.							
25	Please see Item Breakup for details.				210320.60	AT Par	210320.60	
	Description:- 10.26-Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.							
26	Please see Item Breakup for details.				51079.54	AT Par	51079.54	
	Description:- 11.19-Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand)							
27	Please see Item Breakup for details.				11091.21	AT Par	11091.21	
	Description:- 13.1-12 mm cement plaster of mix -							
28	Please see Item Breakup for details.				7366.31	AT Par	7366.31	
	Description:- 13.61-Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :							
29	Please see Item Breakup for details.				15214.79	AT Par	15214.79	
	Description:- 13.98-Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:							
30	A	311.50	cum	2835.25	883180.38	AT Par	883180.38	
	Description:- 15.3-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							
31	A	1552.87	Kg	7.49	11631.00	AT Par	11631.00	
	Description:- 15.6-Extra for scraping, cleaning, straightening reinforcement from R.C.C. or R.B. work							
32	Please see Item Breakup for details.				24156.00	AT Par	24156.00	
	Description:- 16.48-Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete.							
33	A	54.00	Each	219.69	11863.26	AT Par	11863.26	
	Description:- 15.5-Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acryloretrite) or HIP (High impact polystyrene) or ABS having electronically welded micro- prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/-5) degrees to base .The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I: 809 as recommended in BS: 873 Code Description Unit Rate No. SUB HEAD : 16.0 ROAD WORK 279 part 4 : 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge							

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Schedule D2-DSR/NON SCHEDULE							9381766.80	Above/ Below/Par
25	A	6225.00	Sqm	13.52	84162.00	AT Par	84162.00	
	Description:- DSR/0323-BASIC RATE							
26	A	239.06	Sqm	450.68	107739.56	AT Par	107739.56	

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	Description:- DSR/0374-BASIC RATE-Pre Moulded Joint Filler, 25mm Thick for expansion joint						
27	NS1	11925.00	Sqm	42.15	502638.75	AT Par	502638.75
	Description:- Preparation of subgrade by excavating earth upto 22.5cm depth, dressing to camber and consolidating with power road roller of 8 to 12 tonne capacity including making good the undulations etc. and disposal of surplus earth with lead upto 50 metres						
28	NS2	3442.50	cum	230.46	793358.55	AT Par	793358.55
	Description:- Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds if provided, platforms etc. with earth excavated from outside railway boundary entirely arranged by the contractor at his own cost as per RDSO's latest guidelines and specifications and special condition of contract including all leads, royalty, lifts, ascents, descents, crossing of nallahs or any other obstructions. The rates shall include all dressing of bank to final profile, demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetation's growth, heavy grass, benching of existing slope of old bank, all handling/re-handling. Taxes, octroi and royalty etc. as a complete job. Cut trees shall be property of railways and to be deposited in the railway go down unless specified otherwise in the Special conditions of contract						
29	NS3	3442.50	cum	15.72	54116.10	AT Par	54116.10
	Description:- Extra for mechanical compaction of earth/blanketing material filled in embankment with contractor's rollers of suitable capacity, type and size to achieve specified density as per specification, testing as per IS codes incl. const of water, T&P consumable material 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						
30	NS4	843.75	cum	2991.35	2523951.56	AT Par	2523951.56
	Description:- Providing and laying design mix cement concrete in roads, having a cube strength of M-30 using cement, coarse sand and graded stone aggregate of 40mm nominal size as per approved design. mechanically vibrated, steel form work, curing, providing and filling construction & dummy joints with approved joint filler (conforming to grade B of IS: 1834) rounding of the edges, making & filling the grooves as per drawing						
31	Please see Item Breakup for details.				99640.80	AT Par	99640.80
	Description:- NS-5-Providing and laying non- pressure NP3 class (medium duty) R.C.C. pipes including bends etc with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2fine sand) including tamping of joints etc. complete up to 800mm dia.						
32	NS7	4500.00	Sqm	137.18	617310.00	AT Par	617310.00
	Description:- Making bajri path including preparation of subgrade, supplying and laying brick aggregate of 50mm nominal size 7.5cm deep with binding material consisting of 12mm thick layer of moorum and 12mm thick layer of red bajri consolidated with road roller						
33	NS8	933.75	cum	4925.14	4598849.48	AT Par	4598849.48
	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.						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule E1-NON-SCHEDULE							77096144.55	Above/ Below/Par
34	NS1	210.06	cum	9698.31	2037227.00	AT Par	2037227.00	
	Description:- Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete M-35/M-40 grade (Cast in situ) using 20 mm graded crushed stone aggregate and coarse sand of approved quality in RCC deck slab laid to required camber including end cantilever, RCC crash barrier, RCC railing, etc. including pumping of concrete to site of laying, finishing, using admixtures in recommended proportions (as per IS: 9103), if approved in mix design to accelerate or retard setting of concrete, improve workability without impairing strength and durability with all contractor's labour, tools & plants, material, fuel, consumables, machinery, loading, unloading, lead and lift complete in all respect as a complete job as per specification & as directed by Engineer.							
35	NS2	53.00	cum	5205.95	275915.35	AT Par	275915.35	

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	<p>Description:- Providing and laying in position machine batched, machine mixed and machine vibrated Design Mix Cement Concrete M-40 grade (Cast in situ) using 20 mm crushed stone aggregate and coarse sand of approved quality in wearing coat & footpath including pumping of concrete to site of laying, finishing, using admixtures in recommended proportions (as per IS: 9103), if approved in mix design to accelerate or retard setting of concrete, improve workability without impairing strength and durability with all contractor's labour, tools & plants, material, fuel, consumables, machinery, loading, unloading, lead & lift complete in all respect as a complete job as per specification & as directed by Engineer.</p>						
	NS3	420.00	MT	126822.96	53265643.20	AT Par	53265643.20
36	<p>Description:- Supplying & fabricating of steel girder spans as per the approved drawings for composite construction i.e. (steel + RCC) of superstructure of the Road over Bridge with contractor's own mild steel confirming to IS: 2062Grade 250(B0) with all welds, rivets, nuts, bolts, shear struts with contractor's own materials, fabrication, machiner, templates, fixtures, equipment's tools and plants, transportation, skilled/unskilled labour, excise duty sales tax and other taxes all leads lifts, descent, loading, unloading, crossing one or more Railway track if required etc complete and as per technical specifications. The rate is inclusive of transportation of fabricated girder parts to site by contractor's own means at his cost. The rate shall also be inclusive of cold straightening of deformed and bent girder parts before their assembly. The structural steel to be used should be manufactured by SAIL/RINL/TISCO only. Work has to be done as per drawings and specifications approved by Railway. Metalizing shall be done as per RDSO specification. NOTE:- (i) The Fabrication of girders must be got done from RDSO approved firms for Steel Bridge Girders only (ii) For payment purpose, nominal sectional weight of the girder as per drawing will only be considered. (iii) Inspection of girder shall be done by RDSO / Railway. (iv) Metalizing should be used and payment is made separately vide IRUSSOR-2019 item No. 041050. The rate is inclusive of inspection & testing charges of RDSO/Railway if any (v) In case non availability of B0 grade steel then BR grade may be used with the prior approval of CA. The rates will be reduced of Rs. 4000/- MT. Note: Since sacrificial shuttering is not part of girder, its payment should be made under relevant items of CPWD DSR-2021. Since in deck slab concreting, sacrificial shuttering is paid separately, suitable deduction in concreting item of deck slab needs to be made in case the item of concreting includes shuttering.</p>						
	NS4	420.00	MT	33306.14	13988578.80	AT Par	13988578.80
37	<p>Description:- Assembling, Welding, Erecting, Riveting, Launching, bolting by HSHG bolts wherever required (As per approved drawings) with contractor's rivet materials, HSHG bolts services bolts, erection and launching of steel girder span to Railway's approved drawings with other ancillary steel structures fixed to the girder where necessary in proper level and alignment and as per technical specifications. The rate shall be inclusive of supply, erection and dismantling of staging and scaffolding and other temporary arrangements required for the purpose of assembly, erection and launching of girders. The rate shall also be inclusive of cold straightening of deformed and bent girder parts before/after their assembly. Work has to be done as per drawings and specification. The rate is including submission of launching scheme by contractor. The launching scheme should submit well in advance for approval of competent authority. Note:- For payment purpose, nominal sectional weight of the girder as per drawing will only be considered.</p>						
	NS5	420.00	MT	4363.37	1832615.40	AT Par	1832615.40
38	<p>Description:- Extra over NS Item no.1 for supplying & fabrication of steel girder as per RDSO drawing for Road Over Bridge BOW string girder with contractor's own steel of E-350 Gr B0 in place of steel E250 Gr. B0.</p>						
	NS6	3000.00	Kg	1110.14	3330420.00	AT Par	3330420.00
39	<p>Description:- Extra for using Super shield E71-T8Electrode instead of regular flux core wire in all site welding</p>						
	NS7	500.00	Metre	500.44	250220.00	AT Par	250220.00
40	<p>Description:- Searching & shifting of underground signal /Telecom/OFC/Electric and other type of cables /bunch of cables lying under the alignment of pile groups of Pier/abutment by manual excavation of pile location in dia1200mm upto 2meter depth after locating the cable excavating the trenches manually having sizeupto800x1700mm deep on both sides of pile cap in 6meterlength(approx.6+7+6=19m in 1pile) for loosening the cables to ensure proper shifting of cables away from alignment of pile group. The rate includes refilling the same trench manually without any harm to the cables and keeping them in safety with contractor's all labour, T&P, material, all lead & lift as directed by Engineer-in-Charge.</p>						
	NS8	6000.00	Kg	165.44	992640.00	AT Par	992640.00
41	<p>Description:- Supplying, fabrication & fixing in position BRC protection screen with MS angle frame, expanded metal (XPM), GI Sheet of 16 gauge, J Bolts etc. of approved Railway design with two coats of aluminium paints of approved manufacturer as per drawing no. RDSO/ETI/C/ 0068 with all contractor's labour, tools & plants, material, fuel, consumables, machinery, loading, unloading, lead & lift complete in all respect as a complete job as per specification & as directed by Engineer.</p>						
	NS9	800.00	Sqm	608.57	486856.00	AT Par	486856.00

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42	<p>Description:- Providing and laying of 70 mm thick Precast concrete panels for shuttering purpose with grade of concrete M40 using 20 mm graded crushed stone aggregate and coarse sand of approved quality in including pumping of concrete to site of laying, finishing, using admixtures in recommended proportions (as per IS: 9103), if approved in mix design to accelerate or retard setting of concrete, improve workability without impairing strength and durability with all contractor's labour, tools & plants, material, fuel, consumables, machinery, loading, unloading, lead and lift complete in all respect as a complete job as per specification & as directed by Engineer. NOTES - (i) Payment for cement, reinforcement and shuttering shall be paid extra. (ii) The precast reinforced cement concrete panels are to be fixed at the approved safe height and carrying 25KV AC traction (on IR Track) on already launched main steel girder. No support from ground will be allowed for this purpose. The rates includes for working under running traffic condition, all leads, lifts, ascents, descents, all other obstructions etc. (iii) The contractor shall make adequate arrangement below the girders to avoid falling of anything/precast panels over the track during fixing of precast reinforced cement concrete panels. The rate also includes design and provision of all temporary arrangement and submission of detailed design and drawing for temporary works and to ensure safety of running traffic at all times.</p>						
43	NS10	120.00	Metre	1825.11	219013.20	AT Par	219013.20
	<p>Description:- Providing and fixing 65mm dia GI Pipe of medium class on the top of RCC crash barrier as a railing with supports of 12 mm thick m s plate cut to shape as vertical along with 50 x 10mm thick m s plate all round welded to vertical including 25 mm wide and 3 mm thick collar plate, verticals welded on base plate of size 120 x 120 x 16 mm, 4 nos 10 dia galvanized m s holding down bolts with nuts and washers, 4 nos 10 dia MS rod of 48mm long welded to m s holding down bolts, verticals shall be @ 1.50 m C / C including two or more coats of synthetic enamel paint of required shade over one coat of zinc chromate primer with all contractor's materials, labour, tools and plants, loading, unloading and stacking at site as per specification/drawing and as directed by engineer as a complete job.</p>						
44	NS11	120.00	Metre	3475.13	417015.60	AT Par	417015.60
	<p>Description:- Providing and fixing handrail made up of 5 rows of 50 mm dia m s pipe (1mm thick) passing through steel ISMC 100 @ 1.5m c/c as vertical support including providing, fixing and welding hard drawn steel wire fabric 75 x 25 mm mesh of weight not less than 7.75 kg per sq m to ms flat welded to ISMC 100 including welding of ISMC 100 to steel base plate and providing and fixing m s holding down bolts for fixing the base plate in required place including two or more coats of synthetic enamel paint of required shade over a priming coat of zinc chromate primer with all contractor's materials, labour, tools and plants, machinery, loading, unloading and stacking material at site as per specification, drawing and as directed by engineer as a complete job.</p>						

3. ITEM BREAKUP

Schedule	Schedule A1-USSOR-2019					
Item- 1	13100-Providing and removing barricading with the help of portable fencing along the running track where the work is to be done in close vicinity of the track. Fencing shall consist of self-supporting steel angles of size 50x50x 6mm, 1.5m long provided with hooks etc.and embedded in CC 1:2:4 block of size 0.23x0.23x0.23m placed at c/c distance of 2m along the track.12mm dia rods in three horizontal layers tack welded with the angle posts including providing retro- reflective tapes in Horizontal & vertical direction. Note : Released material will be the property of the contractor after the completion of work. Cost of cement to be paid separately.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	13101-With provision of one 50mm wide retro-reflective tape in horizontal direction, duly secured/tight with vertical posts	Running Metre	70.00	238.17	16671.90
					Total	16671.90
Item- 2	22010-Earthwork in excavation 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 up to a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specifications as directed by Engineer					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	22011-All kinds of soils	cum	571.32	202.52	115703.73
					Total	115703.73
Item- 3	20230-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

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1	(a)	22034-1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	cum	32.67	2908.42	95018.08
					Total	95018.08
Item- 5	22050-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 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	(a)	22051-Abutment & Pier	cum	207.99	3154.81	656168.93
2	(b)	22053- Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc.	cum	253.00	3298.21	834447.13
					Total	1490616.06
Item- 6	22090-Providing, driving and installing Bored cast in-situ Reinforced Cement Concrete piles using Hydraulic piling Rig of specified diameter and length below pile cap of specified grade Design Mix Cement Concrete, using 20mm graded crushed stone aggregate and coarse sand of approved quality, to carry a safe working load not less than specified, excluding the cost of permanent casing pipe and length of pile to be embedded in pile cap etc. complete, concreting by machine batching, machine mixing, scaffolding, using Admixture in approved proportion (as per IS:9103), placing with tremie pipe, chipping off of pile top to remove laitance concrete above cut off level etc., pumping and bailing out water with all labour material complete including crossing of tracks if required, as per approved drawing, specification and direction of the Engineer in charge. Length of the pile for payment shall be measured up to the bottom of pile cap excluding the mud mat. Payment for cement, permanent casing pipe (if any) & reinforcement shall be paid extra.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	22093-1000mm diameter	Metre	870.00	8566.80	7453116.00
					Total	7453116.00
Item- 7	25030-Centring and shuttering including strutting, propping etc. and removal of form for :					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	25031- abutment, wing wall, retaining wall, RCC box type foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5m above ground level	Sqm	812.07	699.25	567839.95
2	(b)	25033-Extra for additional height over item no. 025031 & 025032 wherever required with adequate bracing, propping etc. over initial height of 5 metres for every additional height of 1 metre or part thereof	sqm per metre height	1896.30	112.83	213959.53
					Total	781799.48
Item- 8	22120-Conducting load testing of a single pile upto following capacity in accordance with IS:2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. with all labour, material, tool & plants, equipment, machinery, etc. complete as per drawing and specification, as directed by the Engineer					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	22127- Routine Load Test above 100 ton capacity upto 250 ton capacity pile	Each	1.00	63681.51	63681.51
					Total	63681.51
Item- 9	22130-Lateral load testing of single pile in accordance with "IS Code of practice IS:2911 (Part-IV) for determining safe allowable lateral load of pile" with all labour, material, tool & plants, equipment, machinery, etc complete as per drawing and specification as directed by the Engineer					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	22131- Piles with lateral load capacity of above 10 ton & upto 20 ton	Each	1.00	23824.30	23824.30
					Total	23824.30

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Item- 11	31102-Providing and fixing in position of standard preformed sealed and slab type or strip seal elastomeric type expansion joints for Railway bridge or Road Over Bridges as per approved drawings and latest MOST/IRC specifications. The rates are inclusive of supplying, fixing with contractor's own materials, e.g. inserts, bolts, socket tubes, Neoprene sheet/cap etc., equipment's, machineries, labour, all taxes, royalty, all lead & lifts, transport, testing, surface preparations, complete					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	31102-For 80mm expansion	Metre	48.00	9796.77	470244.96
					Total	470244.96
Item- 12	31110-Load testing of one or more spans of bridge as selected by the Engineer as per approved load test procedure following relevant IS/IRC/Railway codes with contractor's labour, deflection measuring instruments, loading materials, recoding and analyzing the load testing results including all lead & lift, etc. complete as required. The rates are all inclusive and will be paid after load test is finished and girder is cleared of the kentledges/loading material etc. The load shall be 1.25 times the stipulated design load.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	31111-For Span design load upto 100 MT	Each	1.00	88333.85	88333.85
2	(b)	31062-Extra for every increase of 1 MT or part thereof in the span load capacity upto 800 MT	MT	100.00	871.12	87112.00
					Total	175445.85
Item- 15	041130-Design, supply, fitting and fixing in position true to line and level POT-PTFE bearing of 300MT Capacity, consisting of a metal piston supported by a disc or un reinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements complete as per IS:2062, IS:1030, AISI:304, AISI:316, IS:6911, BS:3784, IS:3400, IS:226, BS-5400, Bridge Code and as per approved drawing and Technical Specifications. The design of the bearings shall be submitted by the manufacturers / contractor and got approved from Railway before fixing. Test report after inspection of the bearings shall be submitted and got approved before the materials are lifted from the manufacturer premises.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	041131-POT-cum -PTFE Bearing (Free end)	Each	1.00	107581.24	107581.24
2	(b)	041132-POT Bearing-Fixed Type	Each	1.00	151143.17	151143.17
3	(d)	041134-POT-cum -PTFE Guided (T)Bearing	Each	1.00	174936.48	174936.48
4	(c)	041133-POT-cum -PTFE Guided (L)Bearing	Each	1.00	182544.45	182544.45
					Total	616205.34
Schedule	Schedule A2-USSOR-19					
Item- 1	022010-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.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	022011-All kinds of Soil	cum	3250.00	217.13	705672.50
					Total	705672.50
Item- 5	052070-Grouting of masonry/concrete by injection process duly Sealing of cracks, through nipples complete as per Technical Specification and procedure given in IRBM Para No 209 including necessary admixture. (Cement will be paid extra)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	052073-Epoxy Grout	Kg	500.00	1477.43	738715.00
					Total	738715.00
Item- 6	025030-Centering and shuttering including strutting, propping etc. and removal of form for :					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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1	(a)	025031-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	2800.00	749.68	2099104.00
					Total	2099104.00
Item- 9	013100-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	(a)	013101-With provision of one 50mm wide retro-reflective tape in horizontal direction, duly secured/tight with vertical posts	Metre	60.00	255.34	15320.40
					Total	15320.40
Item- 10	025060-Supply and using Cement at Worksite:					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	025061-Ordinary Portland Cement 43 grade	MT	380.00	8660.49	3290986.20
					Total	3290986.20
Item- 11	025070-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	(a)	025072-Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	100000.00	92.18	9218000.00
					Total	9218000.00
Item- 15	131580-Painting of Bridge Reference / Boards, Structures etc. along track with enamel paint of approved make with different colours & letters, as directed by Engineer in-charge					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	131585	Miscellaneous General Boards, Jurisdiction Boards, Structures etc.	Sqm	4000.00	276.77	1107080.00
					Total	1107080.00
Schedule	Schedule B1-USSOR-2019					
Item- 17	25060-Supply and using Cement at Worksite					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	25061-Ordinary Portland Cement 43 grade	MT	1160.00	7502.57	8702981.20
					Total	8702981.20
Schedule	Schedule B2-DSR-21					
Item- 18	10.16-Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	(a)	10.16.1-Hot finished welded type tubes	Kg	3500.00	174.53	610855.00
					Total	610855.00
Schedule	Schedule C1-USSOR-2019					
Item- 18	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	(a)	25072-Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	374745.00	76.56	28690477.20

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						Total	28690477.20	
Schedule	Schedule D1-DSR-21							
Item- 19	4.1-Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	4.1.2-1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	cum	38.40	8065.52	309715.97		
						Total	309715.97	
Item- 20	4.2-Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	4.2.2-1:1½:3 (1 cement : 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	cum	110.61	10040.81	1110613.99		
						Total	1110613.99	
Item- 21	4.4-Providing and laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centering, shuttering and finishing.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	4.4.1-1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	cum	16.57	8065.52	133645.67		
						Total	133645.67	
Item- 22	5.9-Centering and shuttering including strutting, propping etc. and removal of form work for :							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	5.9.1-Foundations, footings, bases for columns	Sqm	38.40	318.63	12235.39		
2	(b)	5.9.3-Suspended floors, roofs, landings, balconies and access platform	Sqm	114.64	775.23	88872.37		
3	(c)	5.9.5-Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	195.79	617.50	120900.32		
4	(d)	5.9.6-Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	375.46	820.70	308140.02		
5	(e)	5.9.7-Stairs, (excluding landings) except spiral-staircases	Sqm	50.17	696.14	34925.34		
						Total	565073.44	
Item- 23	6.1-Brick work with non-modular (FPS) bricks of class designation 7.5 in foundation and plinth in :							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	6.1.2-Cement mortar 1:6 (1 cement : 6 coarse sand) - wall	cum	15.05	6887.55	103657.63		
						Total	103657.63	
Item- 24	10.25-Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	10.25.2-In gratings, frames, guard bar, ladders, railings, brackets, gates and similar works	Kg	1000.00	146.53	146530.00		
						Total	146530.00	
Item- 25	10.26-Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	10.26.3-G.I. pipes	Kg	1190.00	176.74	210320.60		

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						Total	210320.60	
Item- 26	11.19-Chequered terrazo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand)							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	11.19.3-Dark shade pigment using ordinary cement	Sqm	39.06	1307.72	51079.54		
						Total	51079.54	
Item- 27	13.1-12 mm cement plaster of mix -							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	13.1.2-1:6 (1cement: 6coarse sand)	Sqm	39.00	284.39	11091.21		
						Total	11091.21	
Item- 28	13.61-Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	13.61.1-Two or more coats on new work	Sqm	54.18	135.96	7366.31		
						Total	7366.31	
Item- 29	13.98-Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	13.98.1-One or more coats on old work	Sqm	160.68	94.69	15214.79		
						Total	15214.79	
Item- 32	16.48-Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	16.48.1-New work (Two or more coats)	Sqm	100.00	241.56	24156.00		
						Total	24156.00	
Schedule	Schedule D2-DSR/NON SCHEDULE							
Item- 31	NS-5-Providing and laying non- pressure NP3 class (medium duty) R.C.C. pipes including bends etc with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2fine sand) including tasing of joints etc. complete up to 800mm dia.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	(a)	NS-6-450mm dia. R.C.C. pipe	Metre	80.00	1245.51	99640.80		
						Total	99640.80	

4. ELIGIBILITY CONDITIONS

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

Special 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

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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	Yes	Yes	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	Yes	Yes	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

S.No.	Document Name	Document Description
1	TECHNICALBIDROB5.pdf	TECHNICAL BID
2	FinancialBidROB5.pdf	FINANCIAL BID
3	DRAWING.pdf	DRAWING

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: SUSANTA KUMAR MOHANTY

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Designation : DYPM/Engg/TDL