

**DYCE-C-I-CDG-ENGINEERING/NORTHERN RLY  
TENDER DOCUMENT**

**Tender No:** 2-W-C-293-CDG-I

**Closing Date/Time:** 22/07/2026 15:00

**Dy.CE/C-I/CDG** acting for and on behalf of The President of India invites E-Tenders against Tender No **2-W-C-293-CDG-I** Closing Date/Time 22/07/2026 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**

<b>Name of Work</b>	Construction of LHS by Box Pushing technique in lieu of L-Xing No. 19-C at Km 20/10-11 on DUI-LDH section of UMB division, Construction of LHS in lieu of L-Xing No. B-35 on FZR-FKA section, L-Xing No. C-49, A-57, C-70 & C-72 on LDH-FZR section, L-Xing No. S-21 on ASR-ATTARI section of FZR division and other allied works in the jurisdiction of CPM/C/CDG.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Two Packet System
<b>Tender Closing Date Time</b>	22/07/2026 15:00	<b>Date Time Of Uploading Tender</b>	01/07/2026 13:35
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	413106193.30	<b>Tendering Section</b>	WORKS
<b>Bidding Style</b>	Single Rate for Each Schedule	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	8262100.00	<b>Validity of Offer ( Days)</b>	90
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	18 Months
<b>Contract Type</b>	Works - General	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	08/07/2026		
<b>Are JV allowed to bid</b>	Yes	<b>Number of JV Member Allowed</b>	3
<b>Are Consortium allowed to bid</b>	No	<b>Number of Consortium Member Allowed</b>	0
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule () A-USSOR-2021</b>							291198269.31	Above/ Below/Par
1	Please see Item Breakup for details.				5554204.10	(-) 5.51	5248167.45	
	<b>Description:-</b> Chapter-1: Earth Work							
2	Please see Item Breakup for details.				229197759.44	(-) 5.51	216568962.89	
	<b>Description:-</b> Chapter-2: Bridge Works - Substructure							
3	Please see Item Breakup for details.				17292494.00	(-) 5.51	16339677.58	
	<b>Description:-</b> Chapter-3: Bridge Works - Super Structure (RCC)							
4	Please see Item Breakup for details.				47378225.83	(-) 5.51	44767685.59	
	<b>Description:-</b> Chapter-4: Bridge Works - Super Structure (Steel)							
5	Please see Item Breakup for details.				5297874.26	(-) 5.51	5005961.39	
	<b>Description:-</b> Chapter-5: Bridge Works - Misc.							
6	Please see Item Breakup for details.				1196.88	(-) 5.51	1130.93	
	<b>Description:-</b> Chapter-6: Rails, Sleepers and Fittings Renewal							
7	Please see Item Breakup for details.				920376.60	(-) 5.51	869663.85	
	<b>Description:-</b> Chapter-8: Deep Screening and Ballast Related Activities							
8	Please see Item Breakup for details.				76347.60	(-) 5.51	72140.85	
	<b>Description:-</b> Chapter-9: Welding Activities							
9	Please see Item Breakup for details.				178819.08	(-) 5.51	168966.15	
	<b>Description:-</b> Chapter-12: Activities at Construction Sites							
10	Please see Item Breakup for details.				979753.18	(-) 5.51	925768.78	
	<b>Description:-</b> Chapter-13: Maintenance Activities							

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11	Please see Item Breakup for details.				21846.94	(-) 5.51	20643.17	
	<b>Description:-</b> Chapter-16: Small Track Machines							
12	Please see Item Breakup for details.				96382.50	(-) 5.51	91071.82	
	<b>Description:-</b> Chapter-17: Handling of Materials							
13	Please see Item Breakup for details.				344689.79	(-) 5.51	325697.38	
	<b>Description:-</b> Chapter-18: Level Crossings							
14	Please see Item Breakup for details.				257533.66	(-) 5.51	243343.56	
	<b>Description:-</b> Chapter-19: Bridge Related Activities							
15	Please see Item Breakup for details.				248874.80	(-) 5.51	235161.80	
	<b>Description:-</b> Chapter-20: Supply of P.Way Materials							
16	Please see Item Breakup for details.				332549.60	(-) 5.51	314226.12	
	<b>Description:-</b> Chapter-21: Miscellaneous Items							
<b>S.No.</b>	<b>Item Code</b>	<b>Item Qty</b>	<b>Qty Unit</b>	<b>Unit Rate</b>	<b>Basic Value</b>	<b>Escl.(%)</b>	<b>Amount</b>	<b>Bidding Unit</b>
<b>Schedule</b> () B-Delhi Schedule Rate (DSR)-2021							86123895.01	Above/ Below/P ar
1	Please see Item Breakup for details.				594165.95	(-) 11.54	525599.20	
	<b>Description:-</b> Chapter-2: EARTH WORK							
2	Please see Item Breakup for details.				1379744.00	(-) 11.54	1220521.54	
	<b>Description:-</b> Chapter-4: CONCRETE WORK							
3	Please see Item Breakup for details.				7023271.70	(-) 11.54	6212786.15	
	<b>Description:-</b> Chapter-5: REINFORCED CEMENT CONCRETE							
4	Please see Item Breakup for details.				5894707.00	(-) 11.54	5214457.81	
	<b>Description:-</b> Chapter-6: MASONRY WORK							
5	Please see Item Breakup for details.				489187.00	(-) 11.54	432734.82	
	<b>Description:-</b> Chapter-8: CLADDING WORK							
6	Please see Item Breakup for details.				1484654.40	(-) 11.54	1313325.28	
	<b>Description:-</b> Chapter-9: WOOD AND P.V.C. WORK							
7	Please see Item Breakup for details.				42896690.50	(-) 11.54	37946412.42	
	<b>Description:-</b> Chapter-10: STEEL WORK							
8	Please see Item Breakup for details.				1751694.80	(-) 11.54	1549549.22	
	<b>Description:-</b> Chapter-11: FLOORING							
9	Please see Item Breakup for details.				9671255.25	(-) 11.54	8555192.39	
	<b>Description:-</b> Chapter-12: ROOFING							
10	Please see Item Breakup for details.				4733381.50	(-) 11.54	4187149.27	
	<b>Description:-</b> Chapter-13: FINISHING							
11	Please see Item Breakup for details.				1291164.65	(-) 11.54	1142164.25	
	<b>Description:-</b> Chapter-15: DISMANTLING AND DEMOLISHING							
12	Please see Item Breakup for details.				17015719.60	(-) 11.54	15052105.56	
	<b>Description:-</b> Chapter-16: ROAD WORK							
13	Please see Item Breakup for details.				274468.00	(-) 11.54	242794.39	
	<b>Description:-</b> Chapter-17: SANITARY INSTALLATIONS							
14	Please see Item Breakup for details.				474827.70	(-) 11.54	420032.58	
	<b>Description:-</b> Chapter-18: WATER SUPPLY							
15	Please see Item Breakup for details.				541453.90	(-) 11.54	478970.12	
	<b>Description:-</b> Chapter-19: DRAINAGE							
16	Please see Item Breakup for details.				3015.00	(-) 11.54	2667.07	
	<b>Description:-</b> Chapter-22 : WATER PROOFING							
17	Please see Item Breakup for details.				1839738.80	(-) 11.54	1627432.94	
	<b>Description:-</b> Chapter-23: RAIN WATER HARVESTING & TUBEWELLS							
<b>S.No.</b>	<b>Item Code</b>	<b>Item Qty</b>	<b>Qty Unit</b>	<b>Unit Rate</b>	<b>Basic Value</b>	<b>Escl.(%)</b>	<b>Amount</b>	<b>Bidding Unit</b>

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<b>Schedule</b> () C-Non Scheduled Items (Civil)				35784028.98	Above/ Below/P ar
1	Please see Item Breakup for details.	35784028.98	AT Par	35784028.98	
<b>Description:-</b> NS-1 to NS-6					

**3. ITEM BREAKUP**

<b>Schedule</b>		Schedule A-USSOR-2021				
<b>Item- 1</b>		Chapter-1: Earth Work				
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
		Earthwork in cutting 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, materials, plant & machinery, leading all cut spoils either to make spoil dumps or for filling in embankment with leads within 2 km on either side of edge of the cutting(s) including all lifts, ascent, descent, loading, unloading, bailing & pumping out water, if required, clearance of site and all other works incidental thereto for completing the work as per RDSO Specification No. RDSO/2020/GE: IRS-0004 with latest updated correction slips and to the satisfaction of the Engineer-in-Charge. Note: (i) All usable earth arising from cut spoils shall be led into bank formation and Unusable spoils shall be dumped / stacked away from toe of embankment. (ii) All hard rock /and boulders not fit for filling will be stacked by the contractor and will be property of the Railways. (iii)Cut trees shall be property of Railways and to be deposited in the railway godown unless specified otherwise in the Conditions of Contract.				
1	012011	In all conditions and classifications of soil except rock	cum	45950.00	107.35	4932732.50
		Felling trees of girth (measured at a height of 1.0 m above ground level) including leading and stacking of material within 100m. Note : 1. When stumps are grubbed up in addition, the rates shall be doubled for trees cut and grubbed 2. Payment for grubbing shall only be made where specially ordered. 3. Grubbing shall be ordered only where it is essential to remove the stumps, including the roots, as per specification. 4. Grubbing shall include removal of roots of trees and saplings to a depth of 60cm below ground level or 30 cm below formation level or 15 cm below sub grade level, whichever is lower.				

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2	013012	Girth over 60 cm and up to 1.5m	Each	5.00	1119.32	5596.60
3	013013	Girth over 1.5m up to 3 m	Each	2.00	2231.95	4463.90
		Providing portable fencing along running track where work is to be done in close vicinity of track, maintaining during execution of work and removing after completion of the work as per direction of the Engineer. 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 required for CC blocks shall be paid separately.				
4	013042	With provision of painting verticals & horizontals with red luminous paints / strips of 30cm each with a gap of 30 cm.	Metre	230.00	152.11	34985.30
		Provision of barricading with contractor's bamboos / ballies vertical post of 100mm dia. planted at every 2m interval, projecting at least 1.5m above ground level and driven firmly (minimum 0.5m) inside ground and including painting verticals & horizontals with red luminous paints / strips at alternative bay on barricade. Barricades shall be maintained through out the execution of the work and shall be removed in workman like manner on completion of the work only after instruction of Engineer in-Charge. Note: (1) 60% payment shall be made on provision of barricading at work-site and balance 40% payment after removal of barricades. (2) The released bamboos / ballies shall be the property of the Contractor.				
5	013051	With 3 horizontal bamboo / balli members of minimum 50mm dia. spaced equally	RM	1240.00	214.12	265508.80
6	013080	Shoring with 'Z' section MS sheet piles side by side in all kinds of soil mechanically or manually as per approved drawing with contractor's own arrangement complete in all respects and removal of sheet piles after completion of the work as directed by engineer in-charge Note: Payment will be made as per actual driven length of pile.	Sqm	300.00	1036.39	310917.00
					<b>Total</b>	<b>5554204.10</b>
<b>Item- 2</b>	Chapter-2: Bridge Works - Substructure					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

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		Exploratory drilling of boreholes down to required depth, drilling of 150mm dia. boreholes in all type of soils except hard rock & large boulders (boulder core more than 30cm) including refilling, reinstating surface and disposing off surplus material including use of mechanical rigs with power operated winches as well as percussion/chiselling tool for advancing through occasional seams of hard strata to be employed, where necessary in Dry area.				
1	021011	0m to 10m	Metre	40.00	3027.75	121110.00
2	021012	10m to 20m	Metre	16.00	3328.79	53260.64
3	021110	Taking out 100mm dia. & 450mm long undisturbed samples of soil from bore holes, including provision of air tight containers for packing and, labeling incl. transporting the samples to laboratory. Piston sampler shall be used for extracting undisturbed samples where necessary. Samples shall be collected as per IS:2720.	Each	28.00	1454.34	40721.52
4	021120	Taking out 100mm dia. & 450mm long disturbed samples of soil from bore holes, including provision of air tight containers for packing, labeling and transporting the samples to laboratory. Samples shall be collected as per IS:2720.	Each	12.00	2006.91	24082.92
5	021130	Conducting standard penetration test as per IS:2131 at approximate 1.5m intervals in bore holes, as directed by the Engineer in charge	Each	22.00	836.21	18396.62
6	021140	Collection of water samples at required intervals	Each	8.00	735.87	5886.96
		Conducting laboratory Tests on collected soil samples as per relevant IS code				
7	021151	Moisture Content/Dry Density	Each	22.00	501.73	11038.06
8	021152	Atterberg Limits	Each	10.00	535.18	5351.80
9	021154	Grain size analysis including Hydrometer analysis	Each	10.00	1539.97	15399.70
10	021155	Direct Shear Test	Each	8.00	2024.30	16194.40
11	021156	Natural Density	Each	12.00	599.40	7192.80
12	021157	Consolidation Test	Each	12.00	3645.88	43750.56
13	021158	Unconfined Compression Test	Each	12.00	2047.04	24564.48
14	021159	Tri-axial Test	Each	12.00	2976.91	35722.92

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		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 up to 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.				
15	022011	All kinds of soils	cum	29335.00	216.57	6353080.95
		Providing and laying in position Plain cement concrete of specified Nominal Mix f o r 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 :				
16	022032	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	cum	345.00	3728.77	1286425.65
17	022034	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	cum	1425.00	3830.77	5458847.25
18	022036	1:4:8 (1 Cement : 4coarse sand (zone-III): 8 graded stone aggregate 40 mm nominal size).	cum	10.00	3778.77	37787.70

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19	022040	Providing and laying in position machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix (mixed in Mobile Concrete Batching/Mixing Plant at site or RMC from approved plants) using 20mm graded crushed stone aggregate and coarse sand of approved quality in RCC raft foundation & Pile cap including finishing, using Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Note: 1. Payment for cement, reinforcement and shuttering shall be made extra under relevant item. 2. Plasticiser shall invariably be used in approved proportion to increase workability with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons for not using plasticiser at the stage of Mix Design and in that case deduction shall be made as per relevant item.	cum	5770.00	3608.91	20823410.70
		Providing and laying in position machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix (mixed in Mobile Concrete Batching/Mixing Plant at site or RMC from approved plants) using 20mm graded crushed stone aggregate and coarse sand of approved quality for the following Reinforced cement concrete structural elements up to height of 9.0 m from foundation top level, including finishing, using Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability complete as per specifications and direction of the Engineer in charge. Note: 1. Payment for cement, reinforcement and shuttering shall be made extra under relevant item. 2. Plasticiser shall invariably be used in approved proportion to increase workability with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons for not using plasticiser at the stage of Mix Design and in that case deduction shall be made as per relevant item.				
20	022052	Wing wall and Return wall	cum	5150.00	3706.12	19086518.00

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21	022060	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.	cum	490.00	3730.82	1828101.80
		Earth work in OPEN excavation in foundation of bridges, for placing of well curbs of all shapes and designs in all kinds of soil including taking out the excavated soil, levelling, ramming of bottom of excavation and trimming of sides, returning the soil in layers, consolidation, disposal of surplus soil within a lead of 300m, including all lift, dewatering, shoring and strutting complete as per technical specification and as directed by Engineer in charge.				
22	023011	In all types of soils	cum	360.00	324.85	116946.00
23	023030	Supplying, Fabrication, assembly, erection & placing in position the cutting edge of well curb with structural steel including MS sheet/Plates of specified thickness for pier/abutment complete as per approved plans and as per direction of Engineering In charge including all operations like cutting, bending, straightening, drilling holes, bolting, riveting, welding, threading, jointing of steel sections including outer and inner plates liners and skin plates, stiffeners, hooks, bottle nuts, bond rods etc. as per design including all ascent, descents, leads, lifts, handing, re-handling, all other obstructions whatsoever, diverting channels, pumping / bailing out of water wherever required including cost of steel such as flats, sheets, angles, steel bars etc. with all labour and material as a complete job.	MT	31.00	142757.80	4425491.80
		Dry/Wet Sinking of Circular Wells (Other than pneumatic method) in all types of strata except hard rock requiring blasting including bailing and pumping out water, removal of excavated soil with all labour and material required for sinking as per drawing and direction of the Engineer in charge, disposal of surplus soil in the adjoining bank/embankment.				
24	023041	From initial level of cutting edge & up to 3m depth	cum	1410.00	249.58	351907.80
25	023042	Above 3m to 10m depth	cum	3215.00	318.64	1024427.60



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		Providing and laying in position machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality in the following elements of well including finishing, using Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability complete as per drawings and technical specifications as directed by Engineer. Note: 1. Payment for cement, reinforcement and shuttering shall be made extra under relevant item. 2. Plasticiser shall invariably be used in approved proportion to increase workability with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons at the stage of Mix Design and in that case deduction shall be made as per relevant item.				
26	023091	In well Curb	cum	14.00	3969.81	55577.34
27	023092	In Steining of wells	cum	1122.00	3969.81	4454126.82
28	023093	In Bottom plug for wells including arrangements for placing concrete under water with tremie or bottom opening skips.	cum	5.00	3969.81	19849.05
29	024010	Providing and casting machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix, mixed in Mobile Concrete Batching/Mixing Plant at site or RMC from approved plants, (Cast in-Situ/Pre-cast) in bottom/top slab, side walls, toe wall and sumps haunch filling head walls, thrust bed or any other component using 20mm graded crushed stone aggregate and coarse sand of approved quality of RCC box of any size including finishing, Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability, complete as per drawings and technical specifications as directed by Engineer in charge. Note: 1. Payment for cement, reinforcement and shuttering shall be made extra under relevant item. 2. Plasticiser shall invariably be used in approved proportion to increase workability with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons at the stage of Mix Design and in that case deduction shall be made as per relevant item.	cum	4055.00	3969.81	16097579.55

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30	025020	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.	Sqm	1400.00	137.13	191982.00
		Centering and shuttering including strutting, propping etc. and removal of form for :				
31	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. up to 5m above ground level	Sqm	35350.00	697.36	24651676.00
32	025032	All types of bridge super-structures, e.g. slabs, I-girders, T-girders, Box girders etc. up to 5m above ground level.	Sqm	1390.00	906.68	1260285.20
33	025033	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	200.00	117.73	23546.00
		Supply and using Cement at Worksite				
34	025071	Ordinary Portland Cement 43 grade approved brands/makes	MT	7580.00	6689.69	50707850.20
		Supply of steel reinforcement of approved brands/makes for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
35	025082	Thermo-Mechanically Treated bars of grade Fe-500D or more of approved brands/makes.	Kg	792587.00	88.85	70421354.95
		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 up to 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.				

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36	022011(022020)	Extra over item nos. 022011 to 022014 for executing the work under water and/or liquid mud to compensate all additional arrangements including pumping out water as required. Note: The extra percentage rate is applicable only for the quantity of work executed under water. [RATE = 20%]	cum	2270.00	43.31	98313.70
					<b>Total</b>	<b>229197759.44</b>
<b>Item- 3</b>	Chapter-3: Bridge Works - Super Structure (RCC)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	031120	Casting and installation of single/twin RCC box of all sizes with or without common web section including design of pushing scheme, thrust bed, casting of all RCC components, with specified grade of controlled concrete, pushing it in correct position and alignment below Railway track/Road following all measures of track safety by 'Box pushing technique" as per approved drawings/scheme, with or without surcharge in all types of soils with disposal of surplus earth away from vent up to 1 Km, fixing arrangement for all services & utilities including parapet walls on both sides, wearing course, foot paths, plaques, drainage arrangements etc. and all other incidental works to complete the ROB/RUB/Canal crossing in all respect as per specifications to the satisfaction of Engineer-in-Charge. 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; (ii) Thrust Bed; (iii) Footpath (iv) Parapet wall and (v) wearing Course only, which shall be paid extra under relevant items of USSOR. 2. In case Drag Sheet and/or Rail Cluster are to be used as per approved scheme and design, the same shall be paid extra under relevant item. 3. The payment for this item shall be made for the clear inner cross section area of the parent RCC Box/Boxes and barrel length i.e. clear inner volume of parent RCC Box/Boxes.	cum	3410.00	5057.08	17244642.80
2	031121	Extra for using GI Drag Sheet, 1.50 mm thick, for protection of track from subsidence while pushing the box as per design over item no. 031120. Note: The payment for this item shall be made for the clear inner cross section area of the parent RCC Box/Boxes and barrel length i.e. clear inner volume of parent RCC Box/Boxes.	cum	40.00	1196.28	47851.20
					<b>Total</b>	<b>17292494.00</b>

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Item- 4 Chapter-4: Bridge Works - Super Structure (Steel)						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Supplying, fabrication, assembling of all types of steel girders of specified spans with structural steel conforming to Quality "B0" Grade Designation E250 conforming to IS:2062, erection / slewing / end launching of steel girders with cranes or any other approved launching methods as per site conditions (not requiring traffic block) on sub-structure including provision of trolley refuges etc., complete as per approved Q A P and drawings conforming to IRS-B1-2001 and other relevant codes and specifications. Note: 1. Detailed fabrication and erection drawings & launching methodology will be prepared by the contractor and got approved from Railway. 2. The rate is all inclusive including launching in position, complete in all respect except cost of (i) Painting / Metalising; (ii) Bearings & (iii) HSFG bolts which shall be paid extra under relevant item. 3. The payment shall be made on the theoretical weight of main components and gusset plates only. 4. Payment Schedule: (i) Receipt of material at site: 40% (ii) Fabrication of girders: 20% (iii) Erection/Launching: 20% (iv) Completion in all respects: 20%				
1	041011	Plate Girder/Semi Through Girder/Composite Girder (Steel Work)	MT	195.00	159122.64	31028914.80
2	041013	Extra for using steel conforming to Grade Designation E350 instead of Grade Designation E250 of Quality "B0" as per IS: 2062	MT	25.00	4722.92	118073.00
3	041014	Deduct for using steel conforming to Quality "BR" instead of Quality "B0" of Grade designation E250 as per IS:2062.	MT	22.00	-374.62	-8241.64
4	041020	Supplying and fixing HSFG bolts of any dia and any length with suitable nuts including DTI washers conforming to IRS-B1-2001 for bridges and steel structures with contractors labour, tools and plants and lead and lift etc., complete.	Kg	9000.00	343.44	3090960.00
		Providing and fixing various size HTS holding down bolts conforming to relevant Codes/Specification in concrete column or in other structures with proper nuts, bolts, washers/plates, grouting of holes with cement or epoxy concrete with all material, labour, T&P as a complete job.				
5	041071	With Cement Grout. Cost of cement shall be paid extra.	Kg	1500.00	155.52	233280.00
6	041072	With epoxy concrete grouting.	Kg	400.00	165.02	66008.00

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		Providing road crane of specified lifting capacity with specified jib length revolving type for material handling, assembly & erection of girders/slab/RCC Box etc.				
7	041209	300 MT capacity	Day	1.00	378281.80	378281.80
8	041210	Extra for increase in road crane capacity over Item 041209 for every additional 1 MT capacity or part there of	Day	100.00	742.56	74256.00
		Surface preparation of steel work of bridge plate/composite girders by cleaning with scrappers and/or wire brushes to remove all rust and loose or perished paint to prepare perfectly clean & dry bare metal surface free from all dirt/foreign material & ready for initial coat of paint for new or existing steel girders. Rate includes cost of labour, consumables, brushes, tools & plants, ladders, scaffoldings, jhoola, hanging scaffolding staging etc.				
9	041222	New girders during fabrication	Sqm	1360.00	45.98	62532.80
		Painting of cleaned plate/composite bridge girders including all scaffolding along with provision of Jhoola / hanging scaffolding ladders etc. where required.				
10	041261	With one coat ready mix Zinc Chromate conforming to IS:104 with DFT of 25-30 Microns followed by one coat of Zinc Chromate red oxide conforming to IS:2074 DFT of 25 Microns	Sqm	1360.00	101.35	137836.00
		Delaunching of all types of Steel girders, PSC girders/Slabs and stacking away from river stream or passage as directed by Engineer in charge with all labour, tools and plant, equipment etc., complete.				
11	041332	Structural steel plate girders.	MT	151.00	1556.35	235008.85

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12	041370	Supplying fabricating and erecting welded and/or bolted and/or riveted steel work in built up sections, trusses and framed work, staging, racks, Height Gauge 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. Note: The payment shall be made on the theoretical weight of main components and gusset plates only.	MT	92.20	129732.28	11961316.22
					<b>Total</b>	<b>47378225.83</b>
<b>Item- 5</b> Chapter-5: Bridge Works - Misc.						
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
		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. Payment shall be as per use of cement by weight in case of neat cement/cement mortar grouting and weight of Epoxy in case of Epoxy Grouting. (Cement will be paid extra).				
1	052073	Epoxy Grout	Kg	200.00	1236.33	247266.00
2	052110	Providing & applying epoxy with pot life not less than 60-90 minutes for bonding of new concrete with old concrete @ 0.80 kg/sqm and as per specifications including cleaning the surfaces complete as per approved procedure.	Sqm	800.00	745.47	596376.00
3	052150	Providing and laying of filter media consisting of granular materials of GW, GP, SW groups as per IS:1498 (latest) in required profile behind boulder filling of abutments, wing walls / return walls etc. above bed level with all labour and material complete job as per drawing and technical specification of RDSO Guidelines.	cum	1170.00	3110.58	3639378.60

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4	052210	Providing cast in situ bridge number plaques as per Railway drawing in cement concrete 1:2:4 mix using 20mm hard stone aggregate embedded in 30mm notch in Bridge parapet coping duly engraving the letter and figures and an arrow indicating the direction of flow and finishing the top exposed surface with cement mortar 1:3, painting letters and figures with two coats of black enamel paint on two coats of white background with all labour, tools, cement, paint etc. with all leads and lifts.	Each	10.00	862.59	8625.90
5	052220	Providing cast in-situ plaques for bridge foundations details of size 45cmx45cmx5cm in cement concrete 1:2:4 mix using 20mm hard stone aggregate embedded in 30mm deep notch over abutment & piers, engraving the letters & figures with CM 1:3 and finished smooth including painting letters and figures with 2 coats of black enamel and plaque with white enamel with all labour, tools, cement, paint, curing etc. as a complete job.	Each	8.00	5359.06	42872.48
		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).				
6	052232	450mm dia.	Metre	280.00	2623.60	734608.00
7	052260	Dewatering of natural or accumulated water from any location. Payment to be done for Horse power of pump multiplied by pumping hours.	HP Hour	908.00	31.66	28747.28
					<b>Total</b>	<b>5297874.26</b>
<b>Item- 6</b>	Chapter-6: Rails, Sleepers and Fittings Renewal					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
		Fixing of fish plates with fish bolts on a joint of all rail sections duly lubricating fish plates/bolts with contractor's grease graphite in running track condition including transportation of fish plates and fish bolts from nearest station / store / level crossing. Note: Rail cutting & drilling to be paid separately.				
1	063012	Fish plates of 6 bolts.	Joint	4.00	299.22	1196.88
					<b>Total</b>	<b>1196.88</b>
<b>Item- 7</b>	Chapter-8: Deep Screening and Ballast Related Activities					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

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		Recoupment of ballast in running line with railway's stone ballast from existing stacks available along alignment either on top of cutting or on cess or at toe of bank by head leads or by any other means and spreading to make up deficiency in the required profile with contractor's labour, tools & plants, as directed by Engineer-in-charge. Note: Payment shall be made based on ballast stack measurement.				
1	082011	For average lead up to 50m and lift up to 5m	cum	40.00	107.39	4295.60
		Manufacturing, supply and stacking of machine crushed Track Ballast conforming to RDSO Specification (IRS-GE-1) with latest correction slips at Railway depot or nominated location. Note: Distance of nearest quarry mentioned in each sub-item is only for the purpose of selecting the items for preparation of estimates/tender schedule, based on the minimum distance between nearest quarry and centre of supply points and will not affect the selection of quarry during physical supply in any way till prescribed specification is met fully.				
2	085018	When distance of nearest quarry is more than 150 km and up to 200 km	cum	300.00	2583.97	775191.00
3	085019	When distance of nearest quarry is more than 200 km and up to 250 km	cum	50.00	2817.80	140890.00
					<b>Total</b>	<b>920376.60</b>
<b>Item- 8</b>	Chapter-9: Welding Activities					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
		Manufacturing and Supply of Alumino thermic welding portions of 52Kg/60 Kg/60EI-R260 as approved by RDSO for welding of rails 52Kg/60Kg/60EI-R260 kg for 25mm gap by the process of AT welding along with complete accessories confirming to the specification laid down in Indian Railway Standard specification No.IRST-19-2020 up to date correction slips with Single shot crucible fitted with Automatic Tapping Thimble, 3 pieces pre fabricated mould (Zircon washed) manually pressed using compressed air petrol/LPG pre heating for execution of welding of rail joint as directed by the engineer in charge at site. Note: 1. The accessories along with welding portion shall be supplied as per Annexure-I of the IRUSSOR - 2021. 2. Rate is inclusive of transportation of above to SSE/P.Way stores.				
1	091012	For 52Kg 90 UTS Rails	Each	6.00	4971.56	29829.36



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		25mm gap 'in-situ' welding during traffic block and finishing of weld to meet the prescribed tolerances and pass all stipulated tests with all required labour, materials, consumables, tools, equipments etc. to complete the work in all respect as per IR's "Manual for Fusion Welding of Rails by Alumino - Thermic Process" with latest correction slips, including marking of welded joint, painting weld collar with anticorrosive paint, restoration of track near weld joint to original position and fixing of joggled fish plate at new weld, to be removed after passing of weld in USFD test as directed by Engineer in charge. Note: 1. Welding shall be carried out only by trained welder having valid competency certificate using RDSO approved Alumino Thermit Welding Portions, 3 piece prefabricated mould (ZIRCON WASHED) manually pressed, Single shot crucible fitted with auto tapping thimble and Compressed Air Petrol/LPG preheating technique as per RDSO Specification No IRST/19-2020 with latest amendment. 2. Hydraulic Weld trimmer shall be used for chipping and profile Grinder for finishing. 3. Only required nos. of Joggled fish plates shall be supplied by Railway at nearest P. Way Stores and the same shall be returned at nearest P. Way Store or at other location as per direction of Engineer-in-Charge after release from track. All other items required shall be supplied by the Contractor.				
2	092013	For 52 Kg - 90/72 UTS Rail	Each	6.00	7753.04	46518.24
					<b>Total</b>	<b>76347.60</b>
<b>Item- 9</b>	Chapter-12: Activities at Construction Sites					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	121010	Dismantling of existing LWR/SWR track of any structure, removing rails, sleepers, fish plates, cutting of rails, segregation and stacking of released Rails, Sleepers and fitting at nominated location in countable manner within a free lead of 500m, levelling of ballast to correct profile for laying new track over it, all as per direction of Engineer-in-Charge.	TRM	126.00	197.31	24861.06

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2	123030	Spreading of ballast, from existing stacks available along formation on top or at cess, in required uniform thickness, compaction of ballast 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 approximately 250mm thickness to a width of 4m symmetrical to centre line of proposed track in correct line & level with all ascents & descents, as directed by Engineer in-charge. Note: Item 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.	cum	340.00	46.75	15895.00
		Linking of BG track (except at LC, Bridges and SEJs) with any type of rail section and sleeper of specified density, on ballast bed spread and compacted with suitable roller, over prepared formation including leading free rails/welded panels available along the alignment on to formation, leading and spreading all fittings and fastenings, spreading of sleepers at specified spacing, squaring, placing of rails over sleepers and fixing rails to sleepers with all types of fittings and fastenings to correct gauge & alignment, lubrication of fittings and fastenings with contractor's grease as per IRPWM standards with contractors labour, tools, consumables, with all lead, lifts etc. complete and raising, levelling and initial packing of track to make it fit for 30 kmph and meet other prerequisites prescribed in Indian Railway Track Machine Manual for deployment of Tamping Machine. Note: 1.Rail cutting and Hole drilling shall be paid separately. 2.Spreading of ballast and compaction shall be paid separately under relevant item.				
3	123041	For sleeper density of 1660 sleepers per km	TRM	101.00	314.22	31736.22
4	123042	For sleeper density of 1540 sleepers per km	TRM	25.00	291.92	7298.00

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		Providing Caution Watchman at a location where caution order is imposed and ensuring to be on continuous vigil and exhibit necessary hand signals to the trains for their passage over caution spot. Note: 1) Prescribed protection equipment shall be supplied by Railways and the same shall be returned after work is over. 2) If Contractor fails to post watchman at any time during one day, penalty at double the accepted rates will be levied and 3) The watchman nominated by the contractor will be screened for suitability as per Railway norms.				
5	124031	For one shift ( 12 Hrs)	Each	72.00	1375.40	99028.80
					<b>Total</b>	<b>178819.08</b>
<b>Item- 10</b>	Chapter-13: Maintenance Activities					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Picking up of slacks in track of all sleeper density, duly opening up ballast, gauging, alignment, correcting longitudinal & cross levels, packing, boxing of ballast and dressing the same under traffic conditions as per procedure prescribed in latest edition of IRPWM and as directed by Engineer in-charge. Note: In-charge section Engineer should identify locations requiring packing and obtain prior approval of DEN/XEN before execution of the work when there is no Zonal Track Maintenance agency deployed in the section.				
1	131021	For PSC Sleeper	TRM	16.00	102.65	1642.40
		First or Second Through Packing of track of all sleeper density including giving a general lift, as desired to eliminate sag after Deep Screening work, lifting of track, lowering of track and major realignment of curves and formation rehabilitation as per procedure prescribed in latest edition of IRPWM. Note: General lift is normally 25 mm and isolated lift may be up to 50 mm.				
2	131031	For PSC Sleeper Track with Sleeper Density of 1540	TRM	25.00	143.70	3592.50
3	131032	For PSC Sleeper Track with Sleeper Density of 1660	TRM	159.00	158.08	25134.72
		Third or subsequent Through Packing of track for all sleeper density including picking of slacks, as required after second through packing, subsequent to Deep Screening work as per procedure prescribed in latest edition of IRPWM. This item can also be used after lifting/regrading/realignment works also. Note: General lift is normally 25 mm and isolated lift may be up to 50 mm.				

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4	131042	For PSC Sleeper Track with Sleeper Density of 1660	TRM	85.00	121.60	10336.00
		Fixing Joggled Fish Plates with bolt / clamp (supplied by Railway from nearest SSE Store) in running track conditions at welds on rail, as directed by engineer in-charge (drilling of holes in rail, if required, shall be paid separately).				
5	136012	With 4 bolts	Set	8.00	138.73	1109.84
6	136013	With Clamps	Set	8.00	178.63	1429.04
		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 for safe running of goods and passenger trains with contractor's tools / labours etc. complete, as directed by Engineer in-charge. Note: Contractor shall arrange one gang at any point of time comprising of minimum specified labours with sufficient experience in P.Way working.				
7	136041	One mobile Gang comprising of 15 physically fit labours plus 1 Mate. Note: (1) In case, contractor provides less no. of Labour/Mate or for non availability of vehicle, payment will be deducted for each such person or non-availability of vehicle @ 20% of the accepted item rate, separately for each shortfall. (2) The Contractor shall keep one pick up Truck of minimum 1.5T payload capacity with Driver all the time and all expenditures for running at an average of 80 kms per day shall be born by the Contractor.	Gang Day	48.00	15817.61	759245.28
8	136042	One Gang comprising of 20 physically fit labours plus 1 Mate. Note: In case, contractor provides less no. of Labour/Mate, payment will be deducted for each such labour @ 10% of the accepted item rate.	Gang Day	10.00	17726.34	177263.40
					<b>Total</b>	<b>979753.18</b>
<b>Item- 11</b>	Chapter-16: Small Track Machines					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
		Quick cutting with abrasive rail cutter of all types of rail sections including wear resistant, head hardened rails up to 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 2012) with latest status of RDSO; Rail Cutting Wheel Abrasive Disc will be as per RDSO Specification No.TM/SM/2 (Rev. 01 of 2020)				

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1	161014	60 Kg - 110/90 UTS - On Running Line	Each	4.00	269.03	1076.12
		Cutting of rails with Rail Cutting Machine (Saw type) in all types of rail sections with contractor's tools & plants, equipment, consumable with all lead & lift etc. complete, as directed by Engineer in-charge. Rail Cutting Machine (Saw type) will be as per RDSO Specification No. TM/SM/4, dated 24.04.1991. Note: This item shall only be used in specific circumstances on specific order of Engineer-in-Charge.				
2	161026	60 Kg - 90 UTS- On Running Line	Each	16.00	469.37	7509.92
3	161027	52 Kg - 90 UTS- On Running Line	Each	6.00	316.35	1898.10
		Drilling holes of 16 mm to 32 mm dia. with Rail Drilling machine including chamfering with appropriate chamfering tools 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.				
4	161042	On Running Line	Each	136.00	83.55	11362.80
					<b>Total</b>	<b>21846.94</b>
<b>Item- 12</b>	Chapter-17: Handling of Materials					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
		Loading, leading and unloading of all types of P.Way fittings and all other miscellaneous material except Rails, sleepers, switches, crossings, SEJs and Glued Joints by road vehicles for different leads. Note: Lead shall be the shortest motorable road length between the points of loading and unloading.				
1	172041	Lead up to 5 Km	MT	30.00	192.81	5784.30
2	172042	Lead beyond 5 Km and up to 10 km	MT	30.00	236.57	7097.10
3	172043	Lead beyond 10 Km and up to 20 km	MT	30.00	295.40	8862.00
4	172044	Lead beyond 20 Km and up to 30 km	MT	30.00	366.11	10983.30
5	172045	Lead beyond 30 Km and up to 50 km	MT	30.00	463.10	13893.00
6	172046	Lead beyond 50 Km and up to 100 Km	MT	30.00	671.79	20153.70
7	172047	Lead beyond 100 Km and up to 150 Km	MT	30.00	986.97	29609.10
					<b>Total</b>	<b>96382.50</b>
<b>Item- 13</b>	Chapter-18: Level Crossings					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	181020	Dismantling existing check rail of Level Crossing, blocks, bolts & nuts and stacking these in a countable manner near LC, free from any infringements as directed by Engineer in-charge.	RM	188.00	207.47	39004.36

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2	181030	Dismantling exiting Rail Height Gauge carefully and stacking the released material in countable m a n n e r , free from any infringements as directed by Engineer in-Charge including removal of cement concrete foundation and making surface clean.	Each	12.00	4160.32	49923.84
3	181040	Dismantling existing lifting barrier along with winch assembly and other components like boom, fringes, locking arrangements, pedestal, boom rest, locking rods/wires, pulley stakes, turn out wheels, 'A' base and other materials connected with functioning of lifting barrier, removing engineering indicators on track and level crossing road signages without any damage including demolishing concrete base of existing structures, filling, ramming and levelling the ground disturbed during demolition, clearing debris and stacking all released material in a neat and countable manner and clear of infringements, as directed. Note: Barriers on both sides of level crossing constitute one set.	Set	6.00	21432.42	128594.52
		Painting speed breakers with paint of approved quality & colour over the Bituminous/ Concrete surface near approaches to level crossing.				
4	184021	With enamel paint (two coats)	Sqm	200.00	131.65	26330.00
5	184022	With luminous paint (two coats)	Sqm	5.00	409.11	2045.55
6	184023	With Hot melt thermoplastic road marking paint	Sqm	160.00	139.63	22340.80
7	185010	Dismantling of existing rail fencing, fixed adjoining running lines of track, duly excavating and levelling the foundation by hand compaction, removing connections and carting the released material up to a lead of 250m by suitable means and stacking the same, as directed by engineer in-charge. Note: The released materials shall be handed over duly stacking the same in measurable fashion.	MT	52.00	1424.11	74053.72
8	185020	Dismantling existing whistle boards along with post including demolishing base concrete and levelling of ground, stacking released materials at the level crossing concerned including clearing of debris, with contractor's labour, tools, vehicles, consumables, all lead and lift etc., complete without damage as directed by the Engineer-in-charge.	Each	12.00	199.75	2397.00
					<b>Total</b>	<b>344689.79</b>
<b>Item- 14</b>	Chapter-19: Bridge Related Activities					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount

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		Insertion of temporary girder in place of formation involving dismantling of track, removal of ballast and neatly stacking for future use, excavation & installation of CC crib or wooden crib at both ends as per approved design in one or more traffic blocks, excavation for creating space for insertion of girder as required, placement of girder by contractor's Crane, tools & plants, filling of earth/sand filled bags at different stages as required, linking of track and connecting with the approaches, ballasting, boxing and packing approach sleepers to make track fit for 20 kmph to the satisfaction of Engineer in-charge. Note: 1. The CC Cribs as required and Temporary Girder shall be supplied by Railways at available location. 2. Transportation of Temporary Girder to site shall be paid separately under relevant item. 3. The charges for wooden sleepers/blocks required for matting and bearing as per approved design shall be paid extra as per relevant item. 4. In case bridge timber / channel sleepers are required to be laid on girder, the same shall be paid separately under relevant item.				
1	191021	RH /Temporary girder of length varying from 12.2m to 16.3m using road crane capacity of 50 MT	Each	2.00	128766.83	257533.66
					<b>Total</b>	<b>257533.66</b>
<b>Item- 15</b>	Chapter-20: Supply of P.Way Materials					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>

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		Manufacturing, fabricating and supplying retro-reflective Engineering Indicator boards, made of 2mm thick aluminium sheet or 3mm thick aluminium composite sheet, face to be fully covered with high intensity encapsulated type heat activated retro-reflective sheeting conforming to type-IV of ASTM-D4956-01 in yellow & black or other colour combination including subject matter, message, symbols, borders etc. as approved by Engineer In-charge or as per IRPWM guidelines, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class-2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back-support frame of M.S. angle iron of size 25mm x25mm x 3mm provided all along the edges of board with theft resistant measures back side of board shall be with non-peelable weatherproof paint, consisting of one coat of zinc chromate primer and two coats of epoxy paint. Vertical post shall have black & white anti-corrosive paint or powder coating complete, as directed.				
1	202021	Caution Indicator Board of size 1400mmx400mm with back support frame fixed to vertical post of MS angle of size 50mmx50mmx6mm of 3650 mm long	Each	12.00	6859.05	82308.60
2	202022	Speed Indicator Board of equilateral triangular shape having each side of 1000mm with back support frame fixed to vertical post of MS angle of size 50mmx50mmx6mm of 3650 mm long	Each	12.00	5923.25	71079.00
3	202023	Stop Indicator Board of size 1400mmx400mm with back support frame fixed to vertical post of MS angle of size 50mmx50mmx6mm of 3650 mm long	Each	2.00	6859.05	13718.10
4	202024	Termination Indicator Board of Circular shape having diameter of 1000mm with back support frame welded to vertical post of MS angle of size 50mmx50mmx6mm of 3950 mm long	Each	10.00	8176.91	81769.10
					<b>Total</b>	<b>248874.80</b>
<b>Item- 16</b>	Chapter-21: Miscellaneous Items					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
		Erection or removal of temporary Engineering Indicator Board or any other board at specified locations without causing infringement to track etc. complete and as directed.				



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1	211021	For erection	Each	14.00	291.60	4082.40
2	211022	For removal	Each	14.00	239.76	3356.64
		Hiring of machinery for minor miscellaneous works for short duration including operator/driver, fuel, lubricants and consumable. The contractor shall arrange all statutory permits as required by rules and regulations prevailing in the area of work. Payment shall be made for actual working hours at site.				
3	211201	JCB Backhoe Loaders 3DX Plus or similar with minimum 1.10 cum bucket capacity	Hour	234.00	858.69	200933.46
4	211202	Hydra or similar tyre mounted Pick-n-Carry crane of 12T capacity for misc. works of handling of material	Hour	130.00	878.02	114142.60
5	211203	Tractor with Trolley for local transportation or other misc. works.	Hour	50.00	200.69	10034.50
					<b>Total</b>	<b>332549.60</b>
<b>Schedule</b>	Schedule B-Delhi Schedule Rate (DSR)-2021					
<b>Item- 1</b>	Chapter-2: EARTH WORK					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	2.0	<b>EARTH WORK</b>				
	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
1	2.6.1	All kinds of soil	cum	600	205.45	123270
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	400	253.95	101580
3	2.25A	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	cum	400	368.65	147460
4	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	30	2161.2	64836
	2.35	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				

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	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor:				
5	2.35.3.1	With Chlorpyriphos E.C. 20% with 1% concentration	Sqm	613	256.15	157019.95
					<b>Total</b>	<b>594165.95</b>
<b>Item- 2</b>	Chapter-4: CONCRETE WORK					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	4.0	CONCRETE WORK				
	4.1S	CEMENT CONCRETE (CAST IN SITU)				
	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 :				
1	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	20	7365.15	147303
2	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	180	6326.05	1138689
	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:				
3	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	10	9375.2	93752
					<b>Total</b>	<b>1379744.00</b>
<b>Item- 3</b>	Chapter-5: REINFORCED CEMENT CONCRETE					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	5.0	REINFORCED CEMENT CONCRETE				
	5.1S	CAST IN SITU				
	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
1	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	112	8364.2	936790.4

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2	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	10	10719.3	107193
	5.9S	FORM WORK				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
3	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	24	307.95	7390.8
4	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	800	766.55	613240
5	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	400	608.35	243340
6	5.9.19	Weather shade, Chajjas, corbels etc., including edges	Sqm	90	814.95	73345.5
	5.22S	STEEL REINFORCEMENT				
	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
7	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	4000	89.65	358600
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
8	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	22500	89.65	2017125
	5.33S	DESIGN MIX CONCRETE				

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	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate /retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	5.33.1	All works upto plinth level				
9	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	40	8683.8	347352
	5.33.2	All works above plinth level upto floor V level				
10	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	225	10306.2	2318895
					<b>Total</b>	<b>7023271.70</b>
<b>Item- 4</b>	<b>Chapter-6: MASONRY WORK</b>					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	6.0	MASONRY WORK				
	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
1	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	180	6658.25	1198485
	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
2	6.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	20	8512.1	170242
3	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	540	8288.35	4475709
	6.12S	HALF BRICK MASONRY				
	6.12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :				
4	6.12.2	cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	60	837.85	50271
					<b>Total</b>	<b>5894707.00</b>

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<b>Item- 5</b>	Chapter-8: CLADDING WORK					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	8.0	CLADDING WORK				
	8.205	STONE WORK DRY CLADDING				
1	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	460	1063.45	489187
					<b>Total</b>	<b>489187.00</b>
<b>Item- 6</b>	Chapter-9: WOOD AND P.V.C. WORK					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	9.0	WOOD AND P.V.C. WORK				
	9.1S	FRAMES AND TRUSSES				
	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
1	9.1.3	Kiln seasoned and chemically treated hollock wood	cum	5	74199.7	370998.5
	9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)				
	9.7.7	Float glass panes				
2	9.7.7.1	4 mm thick glass pane (weight not less than 10kg/sqm).	Sqm	10	1897.1	18971
	9.9	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, (weight not less than 10 kg per sqm) fixing with ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.				
	9.9.2	Kiln seasoned and chemically treated hollock wood				
3	9.9.2.2	30 mm thick	Sqm	44	2896.6	127450.4

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	9.11	Extra for providing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured)				
4	9.11.1	5.0 mm thick (weight not less than 12.50 kg per sqm) instead of 4 mm thick. (weight not less than 10 kg per sqm)	Sqm	10	275.6	2756
	9.16	Providing and fixing 25 mm thick shutters for cup board etc. :				
	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
5	9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	140	1881.95	263473
6	9.21.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	Sqm	30	1830	54900
	9.27	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :				
	9.27.2	30 mm thick shutters				
	9.27.2.1	with ISI marked M.S. pressed butt hinges bright finished of required size				
7	9.27.2.1.2	Kiln seasoned and chemically treated hollock wood	Sqm	80	2834.6	226768
	9.40S	MISCELLANEOUS-WOOD WORK				
	9.51	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete.				
8	9.51.2	With 12 mm mild steel U beading	Sqm	54	812.4	43869.6
9	9.53	Providing 40x5 mm flat iron hold fast 400 mm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 300x100x150 mm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Each	580	194.35	112723
	9.57S	COPER OXIDISED MILD STEEL FITTINGS (COPPER OXIDISED AS PER IS: 1378)				

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	9.67	Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete : (copper oxidized as per IS: 1378)				
10	9.67.2	115 mm	Each	20	26	520
	9.72S	BRASS FITTINGS				
11	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	20	1025.65	20513
	9.88S	CHROMIUM PLATED BRASS FITTINGS				
12	9.88	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each	20	817.5	16350
	9.95S	ANODISED ALUMINIUM FITTINGS (ALL FITTINGS SHALL BE ISI MARKED)				
	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
13	9.96.1	300x16 mm	Each	40	260.3	10412
14	9.96.2	250x16 mm	Each	100	234.9	23490
	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
15	9.97.1	300x10 mm	Each	80	117.65	9412
16	9.97.3	200x10 mm	Each	100	90.8	9080
17	9.97.4	150x10 mm	Each	240	75.55	18132
	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
18	9.100.1	125 mm	Each	300	60.05	18015
	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.				
19	9.101.2	Twin rubber stopper	Each	70	62.25	4357.5
	9.105S	GYPSUM BOARD PARTITIONS				

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20	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with awall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer- in-Charge.	Metre	120	408.25	48990
	9.120	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2 ) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.				
21	9.120.1	30 mm thick plain PVC door shutters	Sqm	34	2455.1	83473.4
					<b>Total</b>	<b>1484654.40</b>
<b>Item- 7</b>	Chapter-10: STEEL WORK					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	10.0	STEEL WORK				



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1	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	200	93.05	18610
2	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	68800	111.95	7702160
	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.				
3	10.16.1	Hot finished welded type tubes	Kg	189800	154.9	29400020
4	10.16.3	Electric resistance or induction butt welded tubes	Kg	12800	140.85	1802880
5	10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	Each	40	185.2	7408
6	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	Kg	13985	88.5	1237672.5
7	10.20	Providing and fixing bolts including nuts and washers complete.	Kg	15200	140.15	2130280
	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.				
8	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	4200	142.3	597660
					<b>Total</b>	<b>42896690.50</b>
<b>Item- 8</b>	Chapter-11: FLOORING					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	11.0	FLOORING				
	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
1	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	Sqm	1280	545	697600
	11.9S	TERRAZO FLOORING				

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	11.13	Providing and fixing glass strips in joints of terrazo/ cement concrete floors.				
2	11.13.1	40 mm wide and 4 mm thick	Metre	200	79.5	15900
	11.16S	TILE FLOORING				
	11.16	Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12 mm, laid in floors, and landings, 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) :				
3	11.16.1	Light shade pigment using white cement	Sqm	117	1309.9	153258.3
	11.26S	KOTA STONE FLOORING				
	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
4	11.26.1	25 mm thick	Sqm	90	1706.6	153594
	11.37S	CERAMIC GLAZED TILES				
5	11.37A	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	100	938.5	93850
	11.41S	VITRIFIED FLOOR TILES				
	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.				
6	11.41.2	Size of Tile 600x600 mm	Sqm	450	1416.65	637492.5
					<b>Total</b>	<b>1751694.80</b>
<b>Item- 9</b>	Chapter-12: ROOFING					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	12.0	ROOFING				
	12.1S	SHEET ROOFING				

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	12.15	Painting top of roofs with bitumen of approved quality @ 17kg per 10 sqm impregnated with a coat of coarse sand at 60 cum per 10 sqm, including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete :				
1	12.15.1	With residual type petroleum bitumen of grade VG -10	Sqm	250	133.15	33287.5
	12.16	10 cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar mixed with bhusa @ 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow dung) and covered with flat tile bricks, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat:				
2	12.16.1	With common burnt clay F.P.S.(non modular) brick tile of class designation 10	Sqm	250	905.8	226450
	12.21	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
3	12.21.1	In 75x75 mm deep chase	Metre	100	260.2	26020
4	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	Each	5	266.6	1333
	12.40	Providing, fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately):				
	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
5	12.41.2	110 mm diameter	Metre	80	319.75	25580

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	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
	12.42.5	Bend 87.5 degrees				
6	12.42.5.2	110 mm bend	Each	16	132	2112
	12.43	Providing and fixing unplasticised - PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
7	12.43.2	110 mm	Each	60	309.5	18570
8	12.50	Providing and fixing precoated 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.	Sqm	13905	671.55	9337902.75
					<b>Total</b>	<b>9671255.25</b>
<b>Item- 10</b>	<b>Chapter-13: FINISHING</b>					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	13.0	FINISHING				
	13.1S	CEMENT PLASTER (IN FINE SAND)				
	13.1	12 mm cement plaster of mix :				
1	13.1.1	1:4 (1 cement: 4 fine sand)	Sqm	1080	294.85	318438
2	13.1.2	1:6 (1 cement: 6 fine sand)	Sqm	4800	282	1353600
	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
3	13.2.1	1:4 (1 cement: 4 fine sand)	Sqm	50	339.7	16985
	13.16S	6MM CEMENT PLASTER				
	13.16	6 mm cement plaster of mix :				
4	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm	90	253.05	22774.5
5	13.18	Neat cement punning.	Sqm	200	67.8	13560
	13.25	Extra for plastering:				

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6	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	1980	214.3	424314
	13.37S	INTERIOR FINISHING				
	13.37	White washing with lime to give an even shade :				
7	13.37.1	New work (three or more coats)	Sqm	100	32.45	3245
	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :				
8	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	4000	162.55	650200
	13.44S	EXTERIOR FINISHING				
	13.44	Finishing walls with water proofing cement paint of required shade :				
9	13.44.1	New work (Two or more coats applied @ 3.84 kg/10 sqm)	Sqm	12550	97.6	1224880
	13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
10	13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	Sqm	540	140.05	75627
	13.50	Applying priming coat:				
11	13.50.1	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	Sqm	400	61.45	24580
12	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	2600	55.5	144300
13	13.50.4	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	Sqm	2400	29.75	71400
	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
14	13.61.1	Two or more coats on new work	Sqm	2840	131.45	373318
15	13.71	Lettering with black Japan paint of approved brand and manufacture	per letter per cm height	3200	5.05	16160
					<b>Total</b>	<b>4733381.50</b>
<b>Item- 11</b>	<b>Chapter-15: DISMANTLING AND DEMOLISHING</b>					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	15.0	DISMANTLING AND DEMOLISHING				
	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				

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1	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	120	2007.1	240852
2	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.	cum	80	2928.1	234248
	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
3	15.7.4	In cement mortar	cum	380	1698.45	645411
	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
4	15.12.1	Of area 3 sq. metres and below	Each	50	302.7	15135
	15.17	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in:				
5	15.17.1	R.S. Joists	Kg	2700	2.8	7560
6	15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	Kg	2275	4.65	10578.75
7	15.30	Dismantling jack arch roofing and floors including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	351	209.4	73499.4
	15.43	Dismantling manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge :				
8	15.43.2	bituminous road	Sqm	100	353.65	35365
9	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	130	219.35	28515.5
					<b>Total</b>	<b>1291164.65</b>
<b>Item- 12</b>	Chapter-16: ROAD WORK					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	16.0	ROAD WORK				
	16.42S	CONCRETE PAVEMENTS				

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	16.43	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).				
1	16.43.1	Cement concrete prepared with batch mixing machine	cum	220	9492.9	2088438
2	16.45	Providing and fixing in pre-moulded joint filler in expansion joints of RCC roads / CC pavements after making the joints dust free with high pressure air jet cleaners, all complete as per direction of the Engineer-in-Charge. (Pre-moulded joint fillers shall be made of bitumen hot sealing compound impregnated fibre board having impregnation more than 35%, conforming to IS:1838 for fibre board and IS: 1834 for hot sealing bitumen compound grade A.)	per cm depth per cm width per metre length	12600	4.7	59220
	16.49S	MISCELLANEOUS				

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3	16.50	Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acrylorethrite ) 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 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.	Each	200	175.5	35100
4	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.	Sqm	127	623.8	79222.6
5	16.75	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).	cum	1730	8277.55	14320161.5



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6	16.83	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	Sqm	120	108.65	13038
	16.91	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.				
7	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	Sqm	390	1011.2	394368
8	16.93	Providing and placing in position 100 mm thick factory made machine batched & machine mixed Precast RCC Rectangular Covers on drains of footpath of various sizes, of M-25 grade cement concrete for RCC work, including cost of centering, shuttering, reinforcement of 8 mm dia TMT bars of Fe 500 grade @ maximum 100mm c/c on both ways , neat cement punning on finished surface, properly encased on all edges with 1.6 mm thick , 100 mm wide MS sheet duly painted over priming coat , reinforcement to be welded at edges with MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc i/c cost of cartage, all leads & lift, handling at site etc. all complete as per direction of Engineer-in-Charge.	Sqm	10	2617.15	26171.5
					<b>Total</b>	<b>17015719.60</b>
<b>Item- 13</b>	<b>Chapter-17: SANITARY INSTALLATIONS</b>					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	17.0	SANITARY INSTALLATIONS				

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	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
1	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	10	5781.35	57813.5
	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
2	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	10	5540.55	55405.5
	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
3	17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Each	10	2275	22750
4	17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	Each	10	1500.05	15000.5
	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.10.1	Kitchen sink with drain board				
5	17.10.1.1	510x1040 mm bowl depth 250 mm	Each	10	6008.45	60084.5
6	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	10	1411.15	14111.5
	17.60	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
	17.60.1	100 mm inlet and 100 mm outlet				
7	17.60.1.2	Sand Cast Iron S&S as per IS: 1729	Each	30	1403.45	42103.5

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8	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	10	146.3	1463
	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
9	17.73.1	450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	Each	10	573.6	5736
					<b>Total</b>	<b>274468.00</b>
<b>Item- 14</b>	Chapter-18: WATER SUPPLY					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	18.0	WATER SUPPLY				
	18.4S	PP-R PIPES				
	18.4	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes confirming to IS 15801, UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge. -Internal Exposed on walls				
1	18.4.1	PN - 16 Pipe, 20mm OD (SDR-7.4)	Metre	450	254.95	114727.5
	18.5	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes confirming to IS:15801, UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge. -Concealed work,including cutting chases and making good the wall etc.				
2	18.5.2	PN - 16 Pipe, 25mm OD (SDR-7.4)	Metre	180	501.6	90288
	18.7S	C.P.V.C. PIPES				
	18.11	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
3	18.11.1	15 mm dia nominal bore	Metre	120	485.2	58224

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	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.- External work				
4	18.12.4	32 mm dia nominal bore	Metre	50	457.7	22885
	18.15S	BRASS FITTINGS				
	18.15	Providing and fixing brass bib cock of approved quality :				
5	18.15.1	15 mm nominal bore	Each	40	303.85	12154
	18.16	Providing and fixing brass stop cock of approved quality :				
6	18.16.1	15 mm nominal bore	Each	30	303.85	9115.5
	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
7	18.17.1A	20 mm nominal bore	Each	30	461.75	13852.5
8	18.17.4	50 mm nominal bore	Each	2	878.25	1756.5
9	18.17.6	80 mm nominal bore	Each	2	2227.6	4455.2
	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
10	18.18.2	20 mm nominal bore	Each	10	397.45	3974.5
	18.31S	C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES				
11	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Litre	5000	9.7	48500
	18.49S	C.P. BRASS FITTINGS				
	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
12	18.51.1	15 mm nominal bore	Each	50	708.4	35420
	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
13	18.52.1	15 mm nominal bore	Each	100	594.75	59475
					<b>Total</b>	<b>474827.70</b>
<b>Item- 15</b>	Chapter-19: DRAINAGE					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	19.0	DRAINAGE				
	19.1S	STONE WARE PIPES AND FITTINGS				
	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
1	19.1.1	100 mm diameter	Metre	160	375.75	60120
2	19.1.2	150 mm diameter	Metre	160	591.4	94624

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	19.3	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :				
3	19.3.1	100 mm diameter S.W. pipe	Metre	100	425.6	42560
4	19.3.2	150 mm diameter S.W. pipe	Metre	100	689.75	68975
	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
	19.4.1	100x100 mm size P type				
5	19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	10	2453.55	24535.5
	19.7	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (Zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
6	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	10	11687.1	116871
	19.8	Extra for depth for manholes :				
	19.8.1	Size 90x80 cm				
7	19.8.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Metre	12	8127.45	97529.4
	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				

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	19.21	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				
8	19.21.1	For pipes 100 to 250 mm diameter	Each	10	683.7	6837
	19.31	Extra for depth beyond 45 cm of brick masonry chamber :				
9	19.33	Constructing soak pit 1.20x1.20x1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	Each	10	2940.2	29402
					<b>Total</b>	<b>541453.90</b>
<b>Item- 16</b>	Chapter-22 : WATER PROOFING					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	22.0	WATER PROOFING				
1	22.12	Supplying and applying bituminous solution primer on roof and / or wall surface at 0.24 litre per sqm.	Sqm	60	50.25	3015
					<b>Total</b>	<b>3015.00</b>
<b>Item- 17</b>	Chapter-23: RAIN WATER HARVESTING & TUBEWELLS					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
	23.0	RAIN WATER HARVESTING & TUBEWELLS				
	23.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level.				
	23.1.1	All types of soil				
1	23.1.1.1	300 mm dia	Metre	580	592.05	343389
	23.2	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, beyond 90 metre & upto 150 metre depth below ground level.				

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	23.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.				
2	23.3.3	200 mm nominal size dia	Metre	278	951.95	264642.1
	23.4	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.				
3	23.4.3	200 mm nominal size dia	Metre	314	1099.25	345164.5
4	23.5	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	cum	194	1302.3	252646.2
5	23.6	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	cum	150	1309	196350
6	23.7	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer-in-charge.	cum	150	1309	196350
7	23.9	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineer-in-charge.	Each	192	1213.25	232944
	23.13	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of:				
8	23.13.3	200 mm dia	Each	14	280.95	3933.3
	23.15	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).				
9	23.15.3	200 mm dia	Each	14	308.55	4319.7
					<b>Total</b>	<b>1839738.80</b>

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Schedule C-Non Scheduled Items (Civil)						
Item- 1 NS-1 to NS-6						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	NS-1	Dismantling CC/RCC/Brickwork in cement/lime mortar inwalls, floors, stairs case,coping, foundation, metaledroad, water bound macadametc. For all depth/heightmanually or by mechanicalmeans including disposal ofdismantled material outsideRailway land except rails andelectric fitting which will be the property of the Railway asa complete job. Note:Contractor is free to use anymythology to shift/remove ,sothat it is not in the infringingzone of new foundation &payment will be done in this	cum	740.00	1029.06	761504.40
2	NS-2	Removal of Joggled fish plate& wooden block from goodweld joints on running / nonrunning lines and depositingthe same in store ofSSE/C/P.Way at site store.	Each	68.00	135.99	9247.32
3	NS-3	Rebate/Deduction rate for dismantling existing buildingstructure, removing debris andother released material afterdismantling structure and itsdisposal outside Railway landas per direction of Engineerin-charge with all labour andmaterial such as doors,windows: steel grills etc. (except rails, and electricfittings) will be the property ofcontractor NOTE: 1.Contractormay quote the rate forpayment to railway on plintharea basis. 2. Dumping areasto be arrange by thecontractor at his own cost. 3. Rails, and electric fittings willbe the property of Railway."	Sqm	140.00	-524.89	-73484.60
4	NS-4	Rebate for dismantling structural posts in fencing and other steel work including rail post in foundation etc with contractor own labour and equipments including all leads and lifts, disposal of released material outside Railway land. NOTE:- Release material such as tie bar fencing, rail posts, beams, channels and angles shall be the property of the contractor.	MT	239.28	-38144.80	-9127287.74
5	NS-5	Design, Supplying,Cutting, Fixing andFabricating Steel Sheetpile of required shape,size, thickness, depthand weight conformingto IS-2314 includingloading, unloading,leading assembling anddriving at site with useof vibro hammer asdirected by siteengineer including alllabour, material andtaxes as a complete job.Work shall be executedas per provisions ofAppendix-VII of IRS-BI-2001 and provisionscontained in chapter 21of Indian RailwayUnified standardspecifications.	Kg	232000.00	163.54	37941280.00



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6	NS-6	Supplying and fixing galvanized steel/galvanised self-supporting sheet in roofing minimum thickness 0.80 mm having coating of zinc/aluminium Zinc including cutting to size and shape including fixing. The rate shall include all cost of material, taxes, labour, tools plants, fixtures and machinery all lead & lift, transportation fixture etc complete and fixing as per direction of engineer in charge at site. Note. The contractor will have to submit the design for roofing for approval of the Railway. Roofing will be provided only after getting it approved from the Railways. Rate of the item, is inclusive of the design and drawing of roofing along with proof checking from IIT/NIT or Engineering college, security deposit will be released after successful passing of one monsoon or maintenance period whichever is later period.	Sqm	2160.00	2904.06	6272769.60
<b>Total</b>					<b>35784028.98</b>	

**4. ELIGIBILITY CONDITIONS**

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

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Similar nature of work: Construction of Bridges such as Rail Bridges or road Bridges or Rail cum Road Bridges or Road Over Bridges (ROB) or Road Under Bridges (RUB) or Limited Height Subways (LHS))	No	No	Allowed (Mandatory)

**Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:**

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.

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9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

**Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.**

S.No.	Description
1	<b>Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.</b> Please submit a certificate in the prescribed format (please download the format from the link given below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. ( <a href="#">Click here</a> to download the Format of Self Certification)

**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.

**Commercial-Compliance**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer shall visit the site of work and acquaint himself/themselves with the conditions of work viz. approach roads and accessibility, nature of soil/rock, availability of materials, electric power, water for work and drinking purposes, site for labour camps, stores, godowns, extent of lead/lift in work, availability of skilled and unskilled labour etc. that may be encountered in the course of execution of work. In short, he/they should familiarize himself/themselves fully with the conditions obtaining at site and FURNISH A CERTIFICATE TO THIS EFFECT, in the Proforma appended as Annexure-C of Tender Document.	No	No	Allowed (Mandatory)
2	The original Bank Guarantee for Bid Security should be delivered in person to the Deputy Chief Engineer/ Construction-I/ Chandigarh office Near Railway Colony (Panchkula Side), Chandigarh before closing date for submission of bids (i.e. excluding the last date of submission of bids)	No	No	Allowed (Optional)
3	Tenderers are compulsorily required to upload Certificate as per Annexure M and Annexure M (A), as the case may be, as stipulated in Clause 2.2.6 of General tender conditions and instruction to tenderer(s) without which the offer will be considered incomplete and will be rejected summarily.	Yes	Yes	Allowed (Mandatory)
4	The tenderers must necessarily upload/submit the legal documents, pertaining to the constitution of their Concern as applicable, along with the tender, as enumerate in clause 2.4 of General tender conditions and instruction to tenderer(s) of tender document.	Yes	Yes	Allowed (Mandatory)
5	Tenderer shall certify that they are not black listed or debarred by Railways or any other Ministry/ Department/PSU (Public Sector undertaking) of the Govt. of India/State Govt. from participation in tenders/contract on the date of opening of bids either in their individual capacity or as a member of the JV firm in which they were/are members.	No	No	Allowed (Mandatory)
6	Tender must compulsorily upload ANNEXURE-Q regarding Employment/Partnership etc. of Retired Railway Employees without which tender will be summarily rejected.	No	No	Allowed (Mandatory)
7	Submit your bank details i.e. Name of the Bank along with Bank Branch Code, Account Number, IFSC Code as per Annexure-J (Real Time Gross Saving (RTGS)/National Electronic Fund Transfer (NEFT) (Model Mandate Form)) of tender document	No	No	Allowed (Mandatory)

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8	The tenders confirms the option of taking payment through LC arrangement. The tenderer affirms having read over and agreed to the terms and conditions of the LC option.	No	Yes	Allowed (Optional)
9	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	Tenderer may please note that offers received without requisite/mandatory documents as mentioned above, will be considered as invalid tender and for which contractor shall have no claim on Railway.	No	No	Not Allowed
2	Tenderers are compulsorily required to fill up/submit requisite details in prescribed Performa of Annexure C to G,I,J and Annexure-L as per tender document without which the offer may be considered as incomplete and be liable to be rejected.	No	No	Not Allowed
3	The tenderer's may note that the Railway reserves its right to either accept or reject any Bid/s without assigning any reasons whatsoever and tenderer s shall have no claim s on this account.	No	No	Not Allowed
4	TAXES	No	No	Not Allowed
4.1	The contractor shall be governed by the Taxes applicable at the place of actual execution of work as per clause 23.0 of General tender conditions and instruction to tenderers	No	No	Not Allowed
5	If on verification of credentials, at the evaluation stage, it is found that the tenderer has submitted forged/fake documents in support of his offer, his Bid Security shall be forfeited besides banning of business for a period of upto two year.	No	No	Not Allowed
6	Care for submission of offer	No	No	Not Allowed
6.1	Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all inclusive to accord with the provisions in Clause-37 of the Standard General Conditions of Contract for the completion of works to the entire satisfaction of the Engineer.	No	No	Not Allowed
6.2	Tenderers will examine the various provisions of The Central Goods and Services Tax Act, 2017(CGST)/Integrated Goods and Services Tax Act, 2017(IGST)/Union Territory Goods and Services Tax Act, 2017(UTGST)/ respective state's State Goods and Services Tax Act (SGST) also, as notified by Central/State Govt & as amended from time to time and applicable taxes before bidding. Tenderer's will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates.	No	No	Not Allowed
6.3	The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to railway immediately after the award of contract, without which no payment shall be released to the contractor. The contractor shall be responsible for deposition of applicable GST to the concerned authority.	No	No	Not Allowed
6.4	In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/SGST Act, the railway shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority.	No	No	Not Allowed
7	The bidders who desires to participate against e-tenders, are advised to electronically register themselves on website <a href="http://www.ireps.gov.in">www.ireps.gov.in</a> for which they would require to obtain Class III digital certificate (if already not obtained) issued by CCA under IT Act-2000.	No	No	Not Allowed

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8	Bid Security shall be submitted by JV or authorized person of JV either as : (i) Cash through e-payment gateway or as mentioned in tender document, or (ii) Bank Guarantee bond either in the name of JV, or in the name of all members of JV as per MOU irrespective of their share in the JV if the JV has not been constituted legally till the date of submission of tender.	No	No	Not Allowed
9	GUIDELINES FOR PARTICIPATION OF JOINT VENTURE (JV) FIRMS: Kindly refer Annexure-K of tender document	No	No	Not Allowed
10	Tenderers are required to upload all relevant legal documents- such as the MOA, AOA, Certificate of Incorporation, Partnership Deed, Power of Attorney, Board Resolution, or LLP Agreement etc., as applicable - in accordance with Clause 2.4 (Constitution of the Tenderer) of the tender document. Please note that the Power of Attorney and Bank Guarantee (against bid security) must be duly notarized.	No	No	Not Allowed
11	All tenderers are advised to submit the required annexures using the exact proformas given in the tender document. Do not delete or alter any data in the proforma. If necessary, you may only strike out text that is not applicable.	No	No	Not Allowed
12	All tenderers are strictly advised not to highly compress their PDF files, as excessive compression may render the documents unreadable or corrupted, which could lead to the rejection of the bid. If the file size is too large, instead of heavy compression, please split the document and upload it in sequential parts (e.g., Part 1, Part 2) ensuring that all uploaded pages remain clear and legible.	No	No	Not Allowed
13	Bidders must upload the complete Balance Sheets for the required financial years rather than submitting partial records of just 2-3 pages, ensuring that the full financial data is available for proper verification.	No	No	Not Allowed

**Technical-Compliances**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tenderers are required to fill up/submit requisite details in prescribed proforma of Annexure F (LIST OF ENGINEERS/PERSONNEL ALREADY AVAILABLE/PROPOSED TO BE EMPLOYED FOR DEPLOYMENT ON THIS WORK) of tender document without which the offer is liable to be rejected	No	No	Allowed (Mandatory)
2	Tenderers are required to fill up/submit requisite details in prescribed proforma of Annexure E (DETAILS OF PLANT AND MACHINERY ALREADY AVAILABLE WITH FIRM) of tender document without which the offer is liable to be rejected.	No	No	Allowed (Mandatory)
3	The credential certificate for substantial completion of work should have been issued not prior to 60 days from the date of invitation of this tender.	No	No	Allowed (Optional)
4	Any certificate issued by Statutory Auditor/ CA must include Unique Document Identification Number (UDIN), without which the same shall be treated as INVALID and the offer shall be liable to be rejected. Bidders are advised to upload the latest CA-certified certificates issued only during the current calendar year for evaluation purposes.	No	No	Not Allowed

**Undertakings**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	I/We----- -----have read the various conditions to tender attached hereto and agree to abide by the said conditions. I/We also agree to keep this offer open for acceptance for a period of 60/90 days (for the tender value upto Rs.10 cr /tender value more than Rs.10 cr respectively) from the date fixed for closing of the tender and in default thereof, I/We will be liable for forfeiture of my/our "Bid Security". I/We offer to do the work for Northern Railway, at the rates quoted in the attached Bill(s) of quantities and hereby bind myself/ourselves to complete the work in all respects within 18 (Eighteen) months from the date of issue of letter of acceptance of the tender.	No	No	Not Allowed
1.1	I/We also hereby agree to abide by the Indian Railways Standard General Conditions of Contract-2022, with all correction slips up-to-date and to carry out the work according to the Special Tender Conditions of Contract and Specifications of materials and works as laid down by Railway in the annexed Special Conditions/Specifications, Standard Schedule of Rates (SSOR) with all correction slips up-to-date for the present contract.	No	No	Not Allowed
2	Until a formal agreement is prepared and executed, acceptance of the tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.	No	No	Not Allowed
3	A Bid Security of Rs. 37,94,800/- has already been deposited online/submitted as Bank Guarantee bond. Full value of the Bid Security shall stand forfeited without prejudice to any other right or remedies in case my/our Tender is accepted and if:	No	No	Not Allowed
3.1	I/We do not submit the Performance Guarantee within the time specified in the Tender document.	No	No	Not Allowed
3.2	I/We do not execute the contract documents within seven days after receipt of notice issued by the Railway that such documents are ready.	No	No	Not Allowed
3.3	I/We do not commence the work within fifteen days after receipt of orders to that effect.	No	No	Not Allowed
4	After opening of tender, any document/credential pertaining to technical, financial eligibility and available bid capacity, constitution of firm etc. shall neither be asked nor be entertained/considered under any circumstances and no claim or representation whatsoever from the tenderer in this regard shall be entertained. However Railway reserves the right to ask for any clarification on the documents/credentials already submitted by the tenderer along with the offer.	No	No	Not Allowed
5	Each page of the tender document will be deemed to be treated as signed/accepted by the tenderer(s) or such person(s) on his/their behalf who is/are legally authorized to sign for him/them.	No	No	Not Allowed
6	In E-tender, all submissions of documents are to be uploaded on web-site. There may be last minute hic-cups and delay in uploading the Documents and payment of Earnest Money etc. Tenderer's/Prospective bidders are advised to upload their offer well in time. Railway will not be responsible for any delay/non submission of offer due to any reason whatsoever.	No	No	Not Allowed
7	Tenderer may have to submit the original Documents in physical form at short notice whenever asked by Railway at any stage of tender evaluation process or even after finalization of tender.	No	No	Not Allowed
8	I/We also hereby agree to abide by the General Conditions of Contract-2022 corrected up to printed/ advance correction slip and to carry out the work according to the Special Tender Conditions of Contract and Indian Railway Unified Standard Specifications Works Materials , Engineering Department and Unified Standard Schedule of Rates Works and Materials corrected up to printed/advance correction slips and Special Conditions relating to Site Data and Specifications.	No	No	Not Allowed
9	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed

**DYCE-C-I-CDG-ENGINEERING/NORTHERN RLY  
TENDER DOCUMENT**

**Tender No:** 2-W-C-293-CDG-I

**Closing Date/Time:** 22/07/2026 15:00

10	Maintenance Period : The contractor will have to maintain the work for a period of 4 (Four) Years (as per Railway board letter no. 2022/CE-III/Bridge Policy dated 29.12.2025) from the date of completion of work as certified by Engineer-in-charge of the work.	No	No	Not Allowed
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**Custom**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	A statement of executed works must be submitted using the format provided in Annexure-G of the tender document. Please note that Annexure-G must be fully filled by the tenderer, and all supporting credentials must be uploaded, otherwise, the annexure will be treated as incomplete.	No	No	Allowed (Mandatory)
2	Annual Contractual Turnover Data for the Previous 3/4 Years (Contractual Payment only) as per proforma of Annexure I along with copies of Audited Balance Sheets.	No	No	Allowed (Mandatory)
3	To be submitted on the Bidder's Official Letterhead ( <a href="#">Click here to download Format</a> )	No	No	Allowed (Mandatory)
4	Mandatory details to be filled in by Tenderer while submitting their offer as per ANNEXURE-D (Constitution of firm) of tender document	No	No	Allowed (Mandatory)
5	Bid Capacity ( Applicable for tender more than Rs. 10 Crore).	No	Yes	Not Allowed
5.1	Tenderer s meeting the minimum eligibility criteria will be qualified only if their available Bid capacity is equal to or more than estimated cost of the present work. The available bid capacity of the tenderer shall be worked out by the following formula:-	No	Yes	Not Allowed
5.1.1	Available Bid capacity=[AxNx2]- 0.33xNx B	No	No	Allowed (Mandatory)
5.1.2	Detail instruction as per relevant clause of tender document Annexure-N & H (Both duly certified by chartered Accountant).	No	Yes	Allowed (Mandatory)

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	TentativeLHSGAD.pdf	Tentative LHS Drawings
2	TenderDocumentLHS.pdf	Tender Document
3	SpecialConditions.pdf	Special Conditions

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:** PANKAJ RANA

**Designation :** Dy.CE-C-I/CDg