

**ECOR-CONST-HQ-ENGG/ECOR  
TENDER DOCUMENT**

**Tender No:** CAOCRSPBBS-36-2026

**Closing Date/Time:** 04/08/2026 12:00

**CAO/Con/RSP/E.Co.Rly/Bhubaneswar** acting for and on behalf of The President of India invites E-Tenders against Tender No **CAOCRSPBBS-36-2026** Closing Date/Time 04/08/2026 12:00 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 Road Over Bridge with 1 x 24.0 m composite girder (Sanakastulli side) + 1 x 42.0 m composite girder (Railway span) + 1 x 24.0 m composite girder in Railway portion at Km 592/16-18 in lieu of LC No. 302, and proposed span of 4 x 24.0 m RCC T-beam girder on Sanakastulli side and 14 x 24.0 m RCC T-beam girder on Mandiapalli side for approach portion at Km 592/20-22 between Chatrapur (CAP) and Jagannathpur (JNP) stations (Khurda-Palasa section) on the Howrah-Visakhapatnam Main Line under Khurda Road Division.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Two Packet System
<b>Tender Closing Date Time</b>	04/08/2026 12:00	<b>Date Time Of Uploading Tender</b>	30/06/2026 10:54
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	650669462.34	<b>Tendering Section</b>	TENDER
<b>Bidding Style</b>	Single Rate for Each Schedule	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	13013400.00	<b>Validity of Offer ( Days)</b>	90
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	24 Months
<b>Contract Type</b>	Works - General	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	21/07/2026		
<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
Schedule () A-Execution of Bridge and approach Sub-Structure Works with service road							145458249.19	Above/ Below/Par
1	Please see Item Breakup for details.			145458249.19	AT Par	145458249.19		
	Description:- Please see Item Breakup for details.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () B-Execution of Bridge and approach superstructure Works							99205876.78	Above/ Below/Par
1	Please see Item Breakup for details.			99205876.78	AT Par	99205876.78		
	Description:- Please see Item Breakup for details.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () C-Supplying fitting & fixing of bearing							6659047.88	Above/ Below/Par
1	Please see Item Breakup for details.			6659047.88	AT Par	6659047.88		
	Description:- Please see Item Breakup for details.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit

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Schedule () D-Supply and using of Cement							54683998.10	Above/ Below/P ar
1	Please see Item Breakup for details.			54683998.10	AT Par	54683998.10		
	Description:- Please see Item Breakup for details.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () E-Supply & using of reinforcement Steel							218009702.40	Above/ Below/P ar
1	Please see Item Breakup for details.			218009702.40	AT Par	218009702.40		
	Description:- Please see Item Breakup for details.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () F-Execution of All items covered under CPWD/DSRVol. 1 & 2							62268586.41	Above/ Below/P ar
1	Please see Item Breakup for details.			62268586.41	AT Par	62268586.41		
	Description:- Please see Item Breakup for details.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () G-Execution of Non-Schedule (NS) Items for construction of ROB & approaches.							63752121.58	Above/ Below/P ar
1	Please see Item Breakup for details.			63752121.58	AT Par	63752121.58		
	Description:- Please see Item Breakup for details.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () H-Cost of Non-schedule (NS) item for outsourcing services related to Land Acquisition							631880.00	Above/ Below/P ar
1	Please see Item Breakup for details.			631880.00	AT Par	631880.00		
	Description:- Please see Item Breakup for details.							

**3. ITEM BREAKUP**

<b>Schedule</b>	Schedule A-Execution of Bridge and approach Sub-Structure Works with service road						
<b>Item- 1</b>	Please see Item Breakup for details.						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount	

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		Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, platforms etc. with contractor's own earth conforming to Soil Quality Class SQ1/SQ2/SQ3, after preparation of foundations as applicable, benching in existing banks wherever required, spreading in layers with motor grader, bringing the moisture content to OMC, mechanical compaction to specified density and dressing of bank to final profile as per RDSO Specifications: RDSO/2020/GE: IRS-0004 with latest correction slips. Note: 1) Foundation preparation, Benching including additional earthwork on account of this, wherever required, shall be paid extra under relevant schedule item for benching. 2) Payment for Earthwork under this item shall be made based on the cross section measurements calculated (i) with original ground profile of existing bank based on initial ground levels before doing benching and (ii) final profile of the bank worked out with final levels as per prevailing guidelines.				
1	011032	Using Soil Class SQ2	cum	15000.00	441.75	6626250.00
2	012030	Mechanical manufacturing of blanketing material by using only hard and durable stone crushed in mechanical crusher to different gradations, wet mixing of the same in designed proportion in Pug mill or wet mix plant to have uniform gradation including all incidental transportation, laying over finished formation in uniform layer(s) with motor grader, compaction with suitable vibratory roller to specified density and finishing to correct profile, complete as per RDSO Specification No. RDSO/2020/GE: IRS-0004 with latest correction slips. Note: This item shall be used only when entire constituent of blanketing material is mechanically manufactured by crushing of hard and durable stone into desired gradation of designed proportion.	cum	3718.00	2314.98	8607095.64
		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.				
3	021011	0m to 10m	Metre	20.00	1747.12	34942.40
4	021012	10m to 20m	Metre	20.00	2030.15	40603.00
5	021013	20m to 30m	Metre	20.00	2364.31	47286.20

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6	021014	30m to 40m	Metre	20.00	2588.47	51769.40
		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.				
7	022011	All kinds of soils	cum	4272.02	194.13	829327.24
8	022012	Soft rock (not requiring blasting)	cum	1410.22	401.49	566189.23
9	022014	Hard rock (blasting prohibited )	cum	762.00	1106.76	843351.12
		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 :				
10	022031	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	cum	22.95	3577.20	82096.74
11	022033	1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size)	cum	16.20	3441.19	55747.28

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12	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	1823.00	3777.08	6885616.84
		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.				
13	022051	Abutment & Pier	cum	789.20	3842.31	3032351.05
14	022052	Wing wall and Return wall	cum	20.00	3842.31	76846.20
15	022053	Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc.	cum	1209.00	3874.93	4684790.37
16	022054	Approach slab at formation level, Dirt wall/ ballast wall at formation level	cum	48.00	3809.70	182865.60

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17	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	971.35	3513.33	3412673.10
18	022070	Providing and fixing Weep Holes in Abutments, Wing walls and Return walls etc., of new bridges with 110mm dia UPVC pipe Type A ISI marked with all contractor's men, material, transportation, all taxes as per specifications and as directed by Engineer-in-Charge.	Metre	309.05	276.80	85545.04
		Boring, providing and installation of bored cast in-situ Reinforced Cement Concrete piles using Hydraulic piling Rig of specified diameter and length below pile cap of specified grade with Design Mix Cement Concrete, using 20mm graded crushed stone aggregate and coarse sand of approved quality, to carry a safe working load not less than specified, concreting by machine batching, machine mixing, scaffolding, using Admixture in approved proportion (as per IS:9103), placing with tremie pipe, chipping off of pile top to remove laitance concrete above cut off level etc., pumping and bailing out water complete in all respect as per approved drawing, specification and direction of the Engineer in charge. Note: 1. Payment for only cement, reinforcement shall be made extra. 2. Length of the pile for payment shall be measured up to the bottom of RCC pile Cap. 3. 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.				
19	022092	1200mm diameter	Metre	3180.00	10029.78	31894700.40
20	022100	Providing, fabricating and installing permanent casing pipe for bored piles for all diameters with specified thickness of steel plate including all labour, materials, tools & complete as per approved drawing & specifications complete in all respect as per the direction of Engineer in charge. Note: Payment shall be made as per the weight of circular plate of casing pipe only.	MT	283.36	108148.95	30645086.47

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		Extra for chiselling in addition to boring of piles, if chiselling is required to be resorted to in hard rock or big stone boulders larger than 30cm, manually or by any other means.				
21	022111	1200mm diameter pile	Metre	264.00	4471.66	1180518.24
		Conducting load test of a single pile up to specified capacity in accordance with IS:2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. with all labour, material, tool & plants, equipment, machinery, etc. complete as per drawing and specification, as directed by the Engineer.				
22	022123	Initial load test above 100 ton and up to 250 T capacity pile	Each	2.00	89785.37	179570.74
23	022124	Extra for every increase of 50 ton in pile capacity or part thereof over 250 ton	Each	2.00	4907.26	9814.52
		Lateral load testing of single pile in accordance with "IS Code of practice IS:2911 (Part-IV) for determining safe allowable lateral load of pile" with all labour, material, tool & plants, equipment, machinery, etc complete as per drawing and specification as directed by the Engineer.				
24	022131	Piles with lateral load capacity of up to 50 ton	Each	2.00	20283.13	40566.26
25	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	583.86	4154.79	2425815.69

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		Centering and shuttering including strutting, propping etc. and removal of form for :				
26	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	16226.43	665.63	10800798.60
27	025032	All types of bridge super-structures, e.g. slabs, I-girders, T-girders, Box girders etc. up to 5m above ground level.	Sqm	25819.00	868.54	22424834.26
28	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	53502.00	107.45	5748789.90
29	051030	Supplying of stone boulders weighing not less than 35 kg each at specified bridge locations.	cum	229.25	1347.74	308969.40
30	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	292.84	2662.74	779756.78
31	052240	Supplying, spreading and filling coarse sand (no cohesive materials to be used) of approved quality including watering and ramming in foundation, behind the abutment, wing wall, retaining wall in layers not exceeding 150mm thick including its compaction as per direction of Engineer-in-charge. The rate includes all lead, lift, ascent, descent, crossing of Railway line etc. complete with contractor's labour, materials, tools and plant.	cum	587.11	1841.69	1081274.62
32	052250	Providing Boulder Backing behind wing wall, return wall, retaining wall with hand packed boulders & cobbles with smaller size boulders toward the back including all lead, lift, labour & other incidental charges as complete work in all respect. Payment for boulder/cobbles will be done extra.	cum	229.25	359.00	82300.75
33	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	50.00	45.56	2278.00



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34	083010	Lifting and packing for regrading the existing PSC sleeper track to required height / level in stages not exceeding 75mm or part thereof at a time, providing permissible ramp for the track, insertion of moorum / sand / stone ballast uniformly under the existing track and placing the same to safe approved gradient, gauge, cushion including levelling and one round of through packing to allow train movement at restricted speed of 30 kmph for a specified length with all leads & lifts and fixing, marking, painting rail level pegs at every 30m interval. Note: Lifting of track shall be done in stages as per procedure prescribed in latest edition of IRPWM to get the proposed final level as per approved working profile, as directed by Engineer in-charge.	TRM	400.00	165.82	66328.00
		Through packing of track, as per procedure prescribed in latest edition of Indian Railways Permanent Way Manual				
35	131011	For PSC sleeper Track with Sleeper Density of 1540 Sleepers/Km or more	TRM	400.00	96.79	38716.00
		Painting 2 coats to Bridge Reference / Boards, Structures etc. along track with enamel paint of approved make with different colours & letters, as directed by Engineer in-charge.				
36	137105	Miscellaneous General Boards, Jurisdiction Boards, Structures etc.	Sqm	11355.00	131.55	1493750.25
37	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	12.00	168.79	2025.48
38	181030	Dismantling exiting Rail Height Gauge carefully and stacking the released material in countable manner, free from any infringements as directed by Engineer in-Charge including removal of cement concrete foundation and making surface clean.	Each	2.00	3387.66	6775.32

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39	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	2.00	18959.91	37919.82
40	181070	Dismantling existing swing gate consisting of two leaves with gate posts, meeting post and stopper post etc. without causing any damage to material and stacking the same near LC gate as directed by Engineer in-charge.	MT	2.00	1846.62	3693.24
41	186040	Removal of RCC slab in existing level crossing portion and in between tracks along with stacking them in countable manner, as directed.	Sqm	300.00	48.20	14460.00
42	211220	Supplying and filling 50 kg size empty cement polythene bags with Rly. Ballast/moorum/earth/Sand/quarry dust etc. placing the filled bags on the high banks /bridge approaches/nominated place etc. dumping and spreading at the nominated locations to profile under block period with all contractor's labour, tools, plants, loading, unloading, filling, spreading including all lead/lift etc. complete and as directed by the Engineer in charge at site including crossing of track where necessary.	Each	3000.00	14.72	44160.00
					<b>Total</b>	<b>145458249.19</b>
<b>Schedule</b>	Schedule B-Execution of Bridge and approach superstructure Works					
<b>Item- 1</b>	Please see Item Breakup for details.					
<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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		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 cast in-situ Prestressed (Post-tensioned) concrete girder / Box girders/Slabs for different spans including finishing, using Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability complete as per drawings, specifications and direction of the Engineer in-charge. Note: 1. Payment for Staging, Shuttering, Cement, reinforcement, HTS cables, sheathing, anchorage cones, stressing of cables and grouting of the ducts shall be made extra under relevant items. 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.				
1	031011	With Soffit level up to 9m above Bed level	cum	5663.00	3874.93	21943728.59

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2	031020	Providing and launching 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 Precast Prestressed (Post-tensioned) Concrete Girder/Box Girders/Slabs in contractor's casting yard in the vicinity of worksite, including finishing, using Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability, complete as per drawings, specifications and direction of the Engineer. Note: 1. Payment for Shuttering, Cement, Reinforcement, HTS cables, Sheathing, Anchorage Cones, stressing of cables, grouting of the ducts and launching of girder/slab in position shall be made extra under relevant items. However, deduction shall be made in case of slab as per relevant item. 2. For pre-cast item, loading in transport vehicle in casting yard is included and shall not be paid extra. 3. 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	66.00	3777.08	249287.28
		Providing and fixing in position of standard preformed sealed and slab type or strip seal elastomeric type expansion joints for Railway bridge or Road Over Bridges as per approved drawings and latest MORTH/IRC specifications complete in all respect as directed by Engineer in-charge.				
3	031101	For 40mm expansion	Metre	216.00	4608.87	995515.92
4	031102	For 80mm expansion	Metre	36.00	5802.52	208890.72
		Load testing of one or more spans of bridge as selected by the Engineer as per approved load test procedure following relevant IS/IRC/Railway codes with contractor's labour, deflection measuring instruments, loading materials, recording and analyzing the load testing results including all lead & lift, etc. complete as required. The rates are all inclusive and will be paid after load test is finished and girder is cleared of the kentledges/loading material etc. The load shall be 1.25 times the stipulated design load.				
5	031111	For Span design load up to 100 MT	Each	2.00	81169.33	162338.66

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6	031112	Extra for every increase of 1 MT or part thereof over 100 MT in the span design load capacity up to 800 MT	MT	700.00	283.64	198548.00
		Providing and fixing in position GI Drainage Spouts of required length with Grating in RCC slab and filling bitumen along kerb as shown in drawing with contractor's pipes, bitumen, tools, equipment, lead, lifts etc. complete as per specifications and as directed by Engineer in-charge.				
7	031192	100mm dia. Drainage Spouts	Metre	273.00	1328.98	362811.54
8	031210	Supplying and laying 160mm dia. PVC Pipes Class-I, capable for a pressure of 2.5 kg/sqm in footpath of ROB for laying cable with all contractor's materials labour, tools, plant, machinery, vehicles, consumables, lead, lift etc. complete as per specifications and as directed by Engineer in-charge.	Metre	1459.00	395.89	577603.51
		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 QAP 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%				
9	041011	Plate Girder/Semi Through Girder/Composite Girder (Steel Work)	MT	456.28	130107.16	59365294.96
10	041013	Extra for using steel conforming to Grade Designation E350 instead of Grade Designation E250 of Quality "B0" as per IS: 2062	MT	456.28	3969.26	1811093.95
11	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	5000.00	197.67	988350.00

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		Metallizing of steel work of girders with sprayed aluminium after surface preparation by Sand/grit blasting, followed by one coat of etch primer (IS:5666) & one coat of Zinc Chrome primer (IS:104) and two coats of aluminium paint (IS:2339) with all labour, T&P and material as a complete job duly conforming to all relevant specifications and process given under Clause 39 of IRS-B1-2001. Note: Nominal Thickness of sprayed Aluminium coating shall be 150 microns. DFT of Zinc chrome primer shall be 25-30 microns and DFT of each coat of Aluminium paint shall be 12-14 microns.				
12	041041	On new girder during fabrication	Sqm	4563.00	774.87	3535731.81
13	041050	Providing and fixing railing used in rows for footpath or anti-crash barrier railing with B class G.I. pipe 65/50 mm nominal dia including cost of M.S. angle and channels in vertical posts, welding / bolting, priming painting with one coat ready mix Zinc Chromate conforming to IS:104 with DFT of 25-30Microns, followed by one coat of Zinc Chrome red oxide conforming to IS:2074 with DFT of 25 Microns with all material, labour, T&P as a complete job. Note: Cost of painting shall be paid extra under relevant item.	Kg	5490.00	104.58	574144.20
14	041060	Supplying and fixing M.S. Angles 65mmx 65mmx 8mm or any other size conforming to IS:2062 in the nosing of steps of stair cases of Foot Over Bridges including provision of 10mm dia, anchor bar 600mm c/c and fixing with main girder with M.S. flat, making anti-slip arrangements over the top of nosing as per approved scheme given by Engineer in charge with all material, labour, T&P as a complete job.	Kg	950.00	100.26	95247.00
		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.				
15	041071	With Cement Grout. Cost of cement shall be paid extra.	Kg	256.00	123.13	31521.28
16	041072	With epoxy concrete grouting.	Kg	14000.00	131.16	1836240.00

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17	041080	Supplying, Fabricating and fixing access ladders, inspection platforms, Trolley refuges etc., on bridges with structural steel conforming to IS:2062 including welding / bolting, priming painting with one coat of ready mixed paint of Zinc Chromate (IS:104) with DFT of 25-30 microns followed by one coat of Zinc Chrome Red Oxide (IS:2074) with DFT of 25 microns with all material, labour, T&P as a complete job. Note: Painting shall be paid separately under relevant item.	MT	46.00	92360.23	4248570.58
18	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	4.00	106567.14	426268.56
19	052140	Providing and fixing of Drainage Spouts of 110mm UPVC Type A ISI marked (Working pressure 4 kg/sqcm) using suitable clamps and adhesive etc., complete.	Metre	2854.00	394.91	1127073.14

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20	052270	Supplying & fixing Galvanised Steel Wire Rope net, made of 9mm dia. steel wire rope having aperture size of 45cm x 60cm with 6m long hangs for top anchoring and 5m wide along with chain-link mesh-netting of 80mm x 80mm mesh size made from 2.4mm dia galvanised wire, joining of chain-link mesh & steel wire rope net and joining of adjacent nets with galvanised spiral lock springs of steel wire dia 2.2mm; inner dia. of springs 18mm; total length 50mm $\pm$ 0.5mm; pitch 4mm & open end length 60mm including cutting of tree/shrub etc. in rope-netting location and also, excavation / filling-back of trenches in all types of soil after anchoring rope net with RCC pre-cast beam of size 15cm x 15cm x 2m of M-15 concrete & 30cm thick M-10 PCC. This work also includes supply of 200mm x 200mm x 6mm epoxy coated washer plates with 12.5mm / 18mm dia. hole at centre and supplying & fixing of anchor bolts/fasteners of 10mm dia. including drilling of holes up to a depth of 110mm in rock; cleaning of holes; fixing of fasteners with nut & epoxy coated washer plates; applying torque 65 to 70 N/mm for fixing of rope net for intermediate anchoring on the surface of cutting, bottom anchoring up to 1m depth by using 16mm dia. HYSD steel bolts, threaded up to 200mm on top and fixing epoxy coated washer plate, fabrication & fixing of U-pin on top of cutting for top anchoring and joining of adjacent nets with spiral spring and fixing at the ratio of 1 no. per 0.6m in longitudinal direction of net portion and additional locks for lacing chain link netting with rope net with contractor's materials, machinery, tools & plants, cement, steel, labour, lead, lift, transportation, ascent, descent, taxes, royalty etc. complete as per directions of engineer-in-charge. Note: Concrete will be paid separately under relevant item.	Sqm	288.00	1474.86	424759.68
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21	195070	Fabrication, supplying and fixing 600mm x 450mm Bridge Board made from 16 SWG MS Sheet duly welded or riveted to back support of two 600mm long horizontal angles of size 25mm x 25mm x 3mm & two numbers 2.5 metre long vertical support of MS Angle of size 50mm x 50mm x 5mm, welded / rivetted to board. Vertical supports shall have split ends for proper fixing in ground. Vertical supports of board shall be embedded in ground in M 20 Cement Concrete blocks of size 300mm x 300mm x 300mm, complete job including painting & writing of subject matter on bridge board, as directed by Engineer - In charge Note: Excavation & concrete work will be paid separately.	Each	12.00	3571.45	42857.40
					<b>Total</b>	<b>99205876.78</b>
<b>Schedule</b>	Schedule C-Supplying fitting & fixing of bearing					
<b>Item- 1</b>	Please see Item Breakup for details.					
<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	031090	Design, manufacturing, supplying and fixing in position elastomeric bearing true to line and level conforming to IS:3400, IS:226, BS-5400 under prestressed concrete girders/ Steel Girders, for Pre-cast as well as cast-in-situ girders as per approved drawing. The rate shall include cost of load test of one no. bearing from Railway approved firms and all fixing materials, equipments, machineries, labour, taxes, loading, unloading, leading, lifting etc. complete. Rates include getting the drawing approved from Railway and cost of inspection during manufacturing from railway approved organization.Note : 1. The rate is for finished item complete and paid only after fixing in position below the girder. 2. The volume shall be as given in the drawing and no deduction shall be made for inserted steel plates etc.	Cubic Centimetre	3599040.00	1.52	5470540.80

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		Design, supply, fitting and fixing in position true to line and level POT-PTFE bearing of 250 MT Capacity, consisting of a metal piston supported by a disc or un reinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements complete as per IS:2062, IS:1030, AISI:304, AISI:316, IS:6911, BS:3784, IS:3400, IS:226, BS-5400, Bridge Code and as per approved drawing and Technical Specifications. The design of the bearings shall be submitted by the manufacturers / contractor and got approved from Railway before fixing. Test report after inspection of the bearings shall be submitted and got approved before the materials are lifted from the manufacturer premises.				
2	041131	POT-cum -PTFE Bearing (Free end)	Each	4.00	117126.64	468506.56
3	041132	POT Bearing-Fixed Type	Each	2.00	110394.14	220788.28
4	041133	POT-cum -PTFE Guided (L)Bearing	Each	2.00	126224.62	252449.24
5	041134	POT-cum -PTFE Guided (T)Bearing	Each	2.00	123381.50	246763.00
					<b>Total</b>	<b>6659047.88</b>
<b>Schedule</b>	Schedule D-Supply and using of Cement					
<b>Item- 1</b>	Please see Item Breakup for details.					
<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>
		Supply and using Cement at Worksite				
1	025072	Ordinary Portland Cement 53 grade of approved brands/makes	MT	5864.78	8819.69	51725541.52
2	025073	Pozzolana Portland Cement approved brands/makes	MT	360.19	8213.60	2958456.58
					<b>Total</b>	<b>54683998.10</b>
<b>Schedule</b>	Schedule E-Supply & using of reinforcement Steel					
<b>Item- 1</b>	Please see Item Breakup for details.					
<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>
		Supply of steel reinforcement of approved brands/makes for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
1	025082	Thermo-Mechanically Treated bars of grade Fe-500D or more of approved brands/makes.	Kg	2129001.00	102.40	218009702.40
					<b>Total</b>	<b>218009702.40</b>
<b>Schedule</b>	Schedule F-Execution of All items covered under CPWD/DSR Vol. 1 & 2					
<b>Item- 1</b>	Please see Item Breakup for details.					
<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	EARTH WORK				
	2.1S	General				

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	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 for all lift, as directed by Engineer-in-charge.				
1	2.6.1	All kinds of soil	cum	1623.5	177.5	288171.25
	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
2	2.8.1	All kinds of soil.	cum	2355.11	260.3	613035.13
3	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	12180	17.6	214368
	2.33	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material.				
4	2.33.1	Beyond 30 cm girth upto and including 60 cm girth	Each	4	532.35	2129.4
5	2.33.2	Beyond 60 cm girth upto and including 120 cm girth	Each	4	2373.5	9494
6	2.33.3	Beyond 120 cm girth upto and including 240 cm girth	Each	4	11020.15	44080.6
7	2.33.4	Above 240 cm girth	Each	4	22075.2	88300.8
	5.0	REINFORCEMENT CEMENT CONCRETE				
	5.9S	FORM WORK				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
8	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	264.24	392.15	103621.72
9	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	885.6	842.5	746118
	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.:				
	5.33.1	All works upto plinth level				
10	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	714.4	9504.75	6790193.4
	10.0	STEEL WORK				
	10.1S	General				
11	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	260	117.35	30511
	11.0	FLOORING				
	11.16S	TILE FLOORING				
	11.20	Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
12	11.20.2	Medium shade pigment using 50% white cement 50% Grey cement	Sqm	3415	1328.35	4536315.25
13	11.20.3	Dark shade pigment using ordinary cement	Sqm	268.8	1119.5	300921.6
	13.0	FINISHING				
	13.44S	EXTERIOR FINISHING				
	13.44	Finishing walls with water proofing cement paint of required shade :				
14	13.44.1	New work (Two or more coats applied @ 3.84 kg/10 sqm)	Sqm	821.12	116.9	95988.93
	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
15	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	967.8	226.25	218964.75
	15.0	DISMANTLING AND DEMOLISHING				
	15.1S	General				

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16	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	300	3551.25	1065375
	16.0	<b>ROAD WORK</b>				
	16.1S	<b>ROADS</b>				
17	16.2	Extra for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (proctor density).	cum	971	24.85	24129.35
	16.3	<b>Supplying and stacking at site.</b>				
18	16.3.10	Moorum	cum	315	768.25	241998.75
	16.30S	<b>PREMIX CARPET</b>				
	16.31	Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom.				
	16.31.1	<b>With rapid setting bitumen emulsion</b>				
19	16.31.1.2	On bituminous surface @ 0.25kg/sqm	Sqm	13542	9.2	124586.4
	16.31.2	<b>With medium setting bitumen emulsion</b>				
20	16.31.2.1	On W.B.M / W.M.M. @ 0.4kg/sqm	Sqm	9513	21.2	201675.6
	16.37	Providing and laying bitumen mastic wearing course (as per specifications) with industrial bitumen of grade 85/25 conforming to IS : 702, prepared by using mastic cooker and laid to required level and slope, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of approved size at the rate of 0.005 cum per 10 sqm and at approximate spacing of 10 cm centre to centre in both directions, pressed into surface protruding 1 mm to 4 mm over mastic surface, including cleaning the surface, removal of debris etc. all complete. (Considering bitumen using 10.2% as per MORTH specification).				
21	16.37.1	25 mm thick	Sqm	4029	854.15	3441370.35
	16.42S	<b>CONCRETE PAVEMENTS</b>				
22	16.42	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	cum	247.5	7993.8	1978465.5

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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 and 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 and 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).				
23	16.43.1	Cement concrete prepared with batch mixing machine	cum	412.5	10529.35	4343356.88
	16.49S	<b>MISCELLANEOUS</b>				
24	16.50	Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acrylonitrile ) 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	2952	206.3	608997.6

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	16.54	Providing and laying Dense Graded Bituminous Macadam using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge.				
25	16.54.1	50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 5% (percentage by weight of total mix) and lime filler @2% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	cum	475	11129.55	5286536.25
	16.57	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge.				
26	16.57.1	40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	cum	487	12126.2	5905459.4

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	16.59	Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC ; 67:2001, 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 25x25x3 mm along with theft resistant measures, mounted and fixed with 2 Nos. M.S. angles of size 35x35x5 mm to a vertical post made up to M.S. Tee section ISMT 50x50x6 mm welded with base plate of size 100x100x5 mm at the bottom end and including making holes in pipes, angles flats, providing & fixing M.S. message plate of required size, steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand & manufacture over priming coat of zinc chromate yellow primer (vertical MS-Tee support to be painted in black and white colours).Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing , specification and direction of Engineer-in-charge.				
27	16.59.1	Mandatory/ Regulatory sign boards of 900 mm diameter with support length of 3750 mm	Each	28	7183.35	201133.8
28	16.59.2	Cautionary /warning sign boards of equilateral triangular shape having each side of 900 mm with support length of 3650 mm	Each	28	5559.75	155673
29	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	433.4	747.8	324096.52



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30	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	431	972	418932
31	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	cum	55	10117.6	556468
32	16.71	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I. wire of dia 3 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	Sqm	600	1149.25	689550
	16.78	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.				
33	16.78.2	With material conforming to Grade-II (size range 53 mm to 0.075 mm ) having CBR Value-25	cum	2599.5	2924.85	7603147.58
34	16.79	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm ) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	cum	2378	2914.3	6930205.4

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35	16.81	Providing and erecting 2.00 metre high temporary barricading at site; each panel of size 2.50mx2.00m made of 40x40x6mm angle iron or 50x50x3mm hollow MS tube posts/horizontal members/bracings covered with 1.63mm thick MS sheet. The sheet shall be fixed with 30x5mm MS flat by suitable welding/riveting. The panels shall be made so that gap of 50cm above the ground is available making overall height as 2.5m. MS channel ISLC 75 @ 5.70 kg/m, 50cm long shall be provided at the bottom having oval shaped holes of size 50x25mm at both ends with 50cm long MS angle 40x40x6mm bracing. Suitable arrangement shall be made to fix the barricading to avoid from overturning by providing 250mm long expansion fasteners at both ends. The work shall be executed as per drawing/direction of Engineer-in-Charge which includes writing and painting, arrangement for traffic diversion such as traffic signals during construction at site for day and night, glow lamps, reflective signs, marking, flags, caution tape as directed by the Engineer-in-Charge. The barricading provided shall be retained in position at site continuously including shifting of barricading from one location to another location as many times as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job. The barricading shall not be removed without prior approval of Engineer-in-Charge..	Metre	1000	3439.5	3439500
	22.0	<b>WATER PROOFING</b>				
	22.1S	<b>General</b>				

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36	22.22	Providing and mixing integral crystalline admixture for water proofing treatment to RCC structures like basement raft, retaining walls, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc. at the time of transporting of concrete into the drum of the ready-mix truck , using integral crystalline admixture @0.80% (minimum) to the weight of cement content per cubic meter of concrete) or higher as recommended by the manufacturer's specification in reinforced cement concrete at site of work. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 90%, compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure. The crystalline admixture shall be capable of self-healing of cracks up to a width of 0.50 mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.	Kg	7090	388	2750920
	26.0	<b>NEW TECHNOLOGIES AND MATERIALS</b>				
	26.41S	<b>NEW TECHNOLOGY ITEMS</b>				
37	26.65	Providing and fixing roofing consist of 0.8 mm thick galvanized steel deck sheet confirming to IS 277:1992 used as permanent shuttering over which MS wire mesh 3mm laid at 100x100 mm grid including edge trim covered with concrete. This metal deck will be supported on structural steel beam with shear studs. (Structural steel like Beam, column, joists etc. & concrete of different grade as per design will be paid separately).	Sqm	1242	1525.6	1894795.2
					<b>Total</b>	<b>62268586.41</b>
<b>Schedule</b>	Schedule G-Execution of Non-Schedule (NS) Items for construction of ROB & approaches.					
<b>Item- 1</b>	Please see Item Breakup for details.					
<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	1	Construction of Reinforced Earth Structure with the construction of earthwork in layers, assembly & erection of reinforcing element & placement of fascia panels and all associated components complete as per drawings and Technical specifications sections 3100 as directed by Engineer. Providing and erecting precast concrete fascia panels including un tensioned reinforcement, soil reinforcing element, foundation pad, all accessories and consumables and components including drainage system, ground improvement, capping beam, if required complete.	Sqm	5973.00	4089.43	24426165.39

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2	2	Construction of Reinforced Earth Structure with the construction of earthwork in layers, assembly & erection of reinforcing element & placement of fascia panels and all associated components complete as per drawings and Technical specification sections 3100 as directed by Engineer. Earthwork including excavation, back filling, grading and compaction with selected back fill soil (30 & Y 1.8 gm/cc) meeting approved design parameters in layers in soil reinforced zone complete.	cum	30911.00	692.41	21403085.51
3	3	Construction of Reinforced Earth Structure with the construction of earthwork in layers, assembly & erection of reinforcing element & placement of fascia panels and all associated components complete as per drawing and Technical specifications section 3100 as directed by Engineer 600 mm thick filter media behind concrete fascia panel. Providing and laying of Filter media with granular materials/Stone crushed aggregates satisfying the requirement laid down in clause 2504.2 2 of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm conditions complete as per drawing and Technical Specification.	cum	3584.00	1882.35	6746342.40
4	4	Stud shear connector - supplying. 2500Nos manufacturing, fabrication testing and welding with welded by STUD welding machine (with all contractor consumable) compatible with type of STUD on composite steel girder, conforming to IS:3935-1966 of diameter 25 mm and height 200mm and as per RDSO drawing no. RDSO/B-11754/R3& 11751/R3 with all alteration and as per approved drawing of railway and as per direction of Engineer-in charge inclusive all. The stud should pass the test prescribed in above mentioned drawing.	Numbers	4200.00	438.39	1841238.00

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5	5	Launching & placing of precast RCC box segments/wing walls/base slabs or part thereof with contractor's road crane duly dismantling the track and placing the precast RCC box segments in proper level and alignment including with contractor's complete arrangement with all lead, lift, tools, plants, machineries, labour, taxes etc. and as directed by the Engineer at site including re-linking of track after launching of precast RCC box segments with contractor's required jacks, tools, plants, machineries, wooden packing planks, wooden blocks, labour etc. complete. Note:- All the temporary work such as sheet piling etc. as required in view of safety of track during the execution of work will be done by the contractor as directed by the Engineer-in-charge or his representative at site. No extra payment will be made for this.	MT	5113.76	1550.00	7926328.00
6	6	Sealing of joints with 3.0mm thickness as protective coat to HTs strands on either ends of R.C.C Box with the following composition. Araldite GY-257- 100 parts hardener HY-840-50 parts and silica flour 200 parts by weight with all contractor's materials, labour, tools, plants etc., complete as per Railway specifications.	Sqm	2248.74	135.90	305603.77
7	7	Supply, laying and fixing concrete impregnated concrete canvas 5mm thick at the joint of precast RCC boxes including all material, labour, tools and plants consumables, fixtures, lead, lift transportation etc. complete in all respect as per direction of Engineer-in-charge.	Sqm	8118.90	135.90	1103358.51
					<b>Total</b>	<b>63752121.58</b>
<b>Schedule</b>	Schedule H-Cost of Non-schedule (NS) item for outsourcing services related to Land Acquisition					
<b>Item- 1</b>	Please see Item Breakup for details.					
<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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1	1	Comprehensive Land Acquisition Liaison Services under Railways (Amendment) Act, 2008 including Site office, all category of Man power (Land expert, Legal expert, Amin & Chainman etc.), Camp for public consultation, boundary making and fixing of stone with supervision charges involving below activities: 1. PRE-ACQUISITION ACTIVITIES (Sections 20-A to 20-D) 1.1 Land Survey and Verification (Section 20-A Support) 1.2 Stakeholder Consultation and Documentation 1.3 Survey Operations Support (Section 20-B) 1.4 Damage Assessment and Compensation (Section 20-C) 1.5 Objection Management (Section 20-D) 2. DECLARATION PROCESS (Section 20-E) 2.1 Declaration Documentation 2.2 Publication and Notification 3. COMPENSATION AND ACQUISITION (Sections 20-F to 20-I) 3.1 Valuation and Compensation (Sections 20-F & 20-G) 3.2 CALA and Arbitration Support 3.3 Payment and Possession (Sections 20-H & 20-I) 4. POST-ACQUISITION ACTIVITIES 4.1 Land Transfer and Mutation 4.2 Final Demarcation and Handover 4.3 Compliance and Reporting 4.4 Fixing of Boundary stone Payment Schedule: i) 40% of the accepted rate will be made after completing Section -11/20A to 20-D. ii) 20% will be released on clearing Section - 20-E (iii) 20% on clearing Section - 20-F (iv) 20% in the Final bill after completing all land acquisition work, including mutations of land to the name of the Railway	Each Bridge	1.00	631880.00	631880.00
					<b>Total</b>	<b>631880.00</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

**Standard Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where V= Advertised value of the tender in crores of Rupees, N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per Annexure-B of Chapter-7 along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet, otherwise the offer is liable for rejection.	No	No	Allowed (Mandatory)

**Special Technical Criteria**

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Any Civil Engineering Project comprising the construction of Road Over Bridges (ROB)/Rail over Rail Bridge/ Major bridges/ Flyovers including both substructure and superstructure, with the following attributes: Superstructure: Construction involving Plate Girders/ Steel-Concrete Composite Girders/Open Web Girders/ Bow-String Girders, PSC/RCC Girders. Substructure: Construction involving deep foundations (either pile or well foundations) for at least one major span.	No	No	Allowed (Mandatory)
1.1	N.B.: Tenderers must submit work experience certificates as mentioned above for similar nature of works completed/substantially completed in the last 7 years, along with all supporting documents duly self-attested/digitally signed. No clarifications regarding credentials will be entertained after bid submission; incomplete/inadequate submissions will be summarily rejected.	No	No	Not Allowed

**Standard Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	(a)The tenderer must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:(i) Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or(ii) Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii)One similar work each costing not less than the amount equal to 60% of advertised value of the tender.(b)(1) In case of composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:(i) Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or(iii) One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender. Note for b(1): Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components.(b)(2) In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity. (b)(3) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 of the Standard GCC or through subcontractor fulfilling the requirements as per clause 7 of the Standard GCC or jointly i.e.,partly himself and remaining through subcontractor, with prior approval of Chief Engineer in writing. However, if required in tender documents by way of Special Conditions, a formal agreement duly notarised, legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s),and shall be submitted along with the offer for considering subletting of that scope of work towards fulfilment of technical eligibility.Such subcontractor must fulfill technical eligibility criteria as follows: The subcontractor shall have successfully completed at least one work similar to work proposed for subcontract, costing not less than 35% value of work to be subletted, in last 5 years, ending last day of month previous to the one in which tender is invited through a works contract. Note: for subletting of work costing up to Rs 50 lakh, no previous work experience of subcontractor shall be asked for by the Railway. In case after award of contract or during execution of work it becomes necessary for contractor to change subcontractor, the same shall be done with subcontractor(s) fulfilling the requirements as per clause 7 of the Standard GCC, with prior approval of Chief Engineer in writing.(Refer Item 10.1 of Chapter-2 of Annexed Document)	No	No	Allowed (Mandatory)

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**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.
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.

**Check Lst**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	All Optional documents to be submitted before signing of Contract Agreement/or at the time of submission of Bid.	No	No	Not Allowed
2	List of documents which are to be submitted by the tenderer along with their offer failing which the tender shall be summarily rejected.	No	No	Not Allowed
2.1	If Bid Security is submitted through mode of Bank Guarantee then submission of scanned copy of the Bank Guarantee towards Bid Security of the bid on e-tendering portal (IREPS) and original of above Bank Guarantee before closing date of submission of bids (i.e. excluding the last date of submission of bids) as per Para-5 of Instructions to Tenderers (ITT) in Chapter-2 and Para-6, Annexure-I in Chapter-2 of Annexed Document.	No	No	Not Allowed
2.2	Technical Eligibility Criteria as per Para 10.1 & Para 17.15.1 of Chapter-2	No	No	Not Allowed



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2.3	Financial Eligibility Criteria as per Para 10.2 & 17.15.2 of Chapter-2 along with Certificate issued from Chartered Accountant.	No	No	Not Allowed
2.4	Bid Capacity as per Para 10.3 & 17.15.3 duly filled up Annexure-G, Chapter-7 of Annexed Document.	No	No	Not Allowed
2.5	Certificate as per the proforma enclosed vide Annexure-A and an additional certificate in case of other than Company/Proprietary firm, Annexure-A-1 shall also be submitted by the each member of a Partnership Firm/ Joint Venture (JV)/ Hindu Undivided Family (HUF)/ Limited Liability Partnership (LLP) etc. as the case may be as per Annexure-A1 vide Chapter-7 of the Annexed Document.	No	No	Not Allowed
2.6	Power of attorney duly notarized and in in favour of a single individual should be submitted. As per Para 14,15, 17 & 18 of SGCC.	No	No	Not Allowed
3	List of important documents which are to be submitted by the tenderer along with their offer.	No	No	Not Allowed
3.1	Certificate of familiarization to the work site as per Chapter-6 of the Annexed Document.	No	No	Not Allowed
3.2	Certificates regarding contractual payments received, along with duly filled up Annexure-B, Chapter-7 of Annexed Document, to this effect which may be an attested Certificate from the concerned department/client or Audited Balance Sheet duly certified by the Chartered Accountant duly supported by Audited Balance Sheet.	No	No	Not Allowed
3.3	List of Plant & Machinery available on hand and proposed to be inducted and hired for the tendered work as per the format vide Annexure-D, Chapter-7 of Annexed Document.	No	No	Not Allowed
3.4	List of personnel/organization on hand and proposed to be engaged for the tendered work as per the format vide Annexure-E, Chapter-7 of the Annexed Document.	No	No	Not Allowed
3.5	Details of works completed/substantially completed during previous 07 years ending last day of month previous to the one in which tender has been invited as per the format vide Annexure-F, Chapter-7 of the Annexed Document.	No	No	Not Allowed
3.6	All documents reflected as Mandatory in the Commercial Compliance are to be submitted other wise the offer is liable to be rejected.	No	No	Not Allowed

**Commercial-Compliance**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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)
2	Please submit the Certificate of familiarization to the work site as per Chapter-6 of the Annexed Document.	Yes	Yes	Allowed (Optional)
3	Please submit copy of Certificate as per the proforma enclosed vide Annexure-A, Chapter-7 of the Annexed Document. An additional certificate in case of other than Company/Proprietary firm, Annexure-A-1 shall also be submitted by the each member of a Partnership Firm/ Joint Venture (JV)/ Hindu Undivided Family (HUF)/ Limited Liability Partnership (LLP) etc. as the case may be. Non-submission of the Certificates by the bidder shall result in summarily rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document.	Yes	No	Allowed (Mandatory)

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4	Please submit details of the constitution of Firm i.e. Proprietary Firm/Partnership Fm/HUF/JV/Company Registered under Companies Act-2013/Limited Liability Partnership/Registered Society & Registered Trust etc along with signed Annexure-C, Chapter-7 of the Annexed Document.And also submit the following mandatory supporting documents such as copies of Partnership Deed, Power of Attorney, Memorandum of Articles, Articles of Association, Authorisation, Certificate of Incorporation, Certificate of Registration, Deed of Formation, Memorandum of Understanding, JV Agreement etc as applicable under Para 14, 15, 17 & 18 of Annexure-I, Chapter-2 of Annexed Document. Important Note:-(a)The Power of Attorney duly Notarized shall be submitted even if such specific person is authorized for above purpose through Partnership Deed/Memorandum of Understanding/Article of Association or such other document. (b) In case one or more of the members of JV is/are partnership firm(s)/Proprietary Firm/HUF/Companies/LLP Firm(s)/Society(s)/Trust(s), the required documents of each individual member of JV shall be submitted along with the documents to be submitted on behalf of the JV. (c) Non-submission of above documents (except PAN Card & Undertaking regarding not blacklisted/debarred from participation of tenders/contracts) or submission of incomplete documents shall lead to summarily rejection of the offer.	Yes	No	Allowed (Mandatory)
4.1	Please submit copy of the PAN Card.	Yes	No	Allowed (Optional)
5	Please submit list of Plant & Machinery available on hand and proposed to be inducted and hired for the tendered work as per the format vide Annexure-D, Chapter-7 of Annexed Document. Non-compliance with this condition liable to result in the tender being rejected.	Yes	No	Allowed (Optional)
6	Please submit list of personnel/organization on hand and proposed to be engaged for the tendered work as per the format vide Annexure-E, Chapter-7 of the Annexed Document. Non-compliance with this condition liable to result in the tender being rejected.	Yes	No	Allowed (Optional)
7	Please submit details of works successfully completed or substantially completed during last 07 years ending last day of month previous to the one in which tender has been invited as per the format vide Annexure-F, Chapter-7 of the Annexed Document. Non-compliance with this condition is liable to result in the tender being rejected.	Yes	No	Allowed (Mandatory)
8	The tenderer(s) are required to upload the information as per Annexure-G of Chapter-7, Annexed Document duly signed by the tenderer(s) and verified by Chartered Accountant since the information is required to evaluate the bid capacity of the tenderer(s) for tenders valuing more than Rs. 20 Cr. However, the tenderer(s) may submit any additional information, if they desire so. In case, the tenderer(s) failed to submit the minimum required information as per Annexure-G of Chapter- 7 along with the offer or submit in any other format omitting required information essential to work out Bid capacity, his/their offer shall be rejected summarily. This information is to be based on Annexure-B & Annexure-G1, Chapter-7 of Annexed Document.	Yes	No	Allowed (Mandatory)
8.1	Please submit the required information for evaluation of Bid Capacity as per Annexure-G1, Chapter-7 of the Annexed Document.	Yes	Yes	Allowed (Mandatory)
9	Please submit the information regarding association of Railway Officers with tenderer(s) in reference to Clause 16, Chapter-2 of Annexed Document along with the declaration as per the format vide Annexure-H, Chapter-7 of the Annexed Document. Also non-submission of information required as per Clause 16 (a), (b) & (c) of Chapter-2 in Annexed Document, contract is liable to be dealt in accordance with provision of Clause 43 of Chapter-3 (Clause 62 of General Conditions of Contract).	Yes	No	Allowed (Mandatory)
10	Please submit list of court cases as per the format vide Annexure-I, Chapter-7 of the Annexed Document.	Yes	Yes	Allowed (Optional)
11	Please submit list of arbitration cases as per the format vide Annexure-J, Chapter-7 of the Annexed Document.	Yes	Yes	Allowed (Optional)

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12	Please submit broad plan of execution of work as per the format vide Annexure-K, Chapter-7 of the Annexed Document.	Yes	No	Allowed (Optional)
13	Please submit details of other credentials/facilities as per the format vide Annexure-N, Chapter-7 of the Annexed Document.	Yes	Yes	Allowed (Optional)
14	Please submit your bank details i.e. Name of Bank along with Bank Branch Code, Accounts Number as appearing in the cheque book, IFSC Code and PAN Number, duly certified by the authorised official of the bank, to facilitate payment through ECS/NEFT/RTGS as per Annexure-O of Chapter-7 of Annexed Document. In lieu of Bank Certificate, scanned copy of a cancelled cheque may be attached for verification of the above particulars.	Yes	Yes	Allowed (Optional)
15	If Bid Security is submitted through mode of Bank Guarantee then please upload scanned copy of the Bank Guarantee (as per Specimen Format at Annexure-Q, Chapter-7 of Annexed Document) submitted towards Bid Security, original of which should be delivered in person to the official nominated as indicated in the tender document before closing date of submission of bids (i.e. excluding the last date of submission of bids). Non submission of scanned copy of Bank Guarantee with the bid on e-tendering portal (IREPS) and/or non submission of original Bank Guarantee within above specified period shall lead to summary rejection of bid. In case of the Bid Security deposited through e- payment gateway, then the same should be confirmed by the tenderer.	Yes	No	Allowed (Mandatory)
16	Please submit the option for taking payment through Letter of Credit (LC) arrangement for tenders having advertised cost of Rs. 10 lakhs and above. For details refer Clause-7, Chapter- 4 of Annexed Document.	Yes	Yes	Allowed (Optional)
17	Please submit the required certificate (duly certified by a Cost Accountant /CA)as per Clause 8.9(b), Chapter-4 of Annexed Document.	Yes	No	Allowed (Mandatory)
18	Please submit the Tender Form i.e. Annexure-I of Chapter-2 of Annexed Document.	Yes	No	Allowed (Mandatory)

**General Instructions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Indian Railways Standard General Conditions of Contract - 2022 corrected up to the date of closing of tender, USSOR- 2021 corrected up to the date of closing of tender and the Annexed Documents are part of the tender document. Excerpts of G.C.C is available at Chapter-3 of Annexed Document.	No	No	Not Allowed
2	No manual tenders sent by Post/FAX/Courier or in person shall be accepted.	No	No	Not Allowed
3	Payment of Bid Security shall be accepted either in cash through e-Payment Gateway or as Bank Guarantee bond from a Scheduled Commercial Bank of India. BG shall be as per Annexure-Q, Chapter-7 of Annexed Document. No other mode of payment shall be accepted. Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of Bid Security. Labour Cooperative Societies shall submit only 50% of the Bid Security.	No	No	Not Allowed
4	In case the date of closing mentioned in the NIT Header of e-tender document is declared a holiday/bandh/strike etc. on any account, the date of closing tender online will not be changed as the application in the website of IREPS does not permit submission of any offer after closing date and time of the tender. However, opening of tenders online will be on the following working day after the closing date/time of tenders.	No	No	Not Allowed
5	Rates quoted by the tenderer in the relevant fields of the Financial Bid Page only will be the ruling terms for deciding inter-se-ranking and any condition having financial repercussions, if quoted anywhere else shall not be considered for deciding the inter-se-ranking.	No	No	Not Allowed

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TENDER DOCUMENT**

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6	For guidelines for participation of Joint Venture Firms in Works Tender, Clause-17, Chapter-2 of Annexed Document may be referred to.	No	No	Not Allowed
7	For more details, the Instructions to the Tenderers vide Chapter-2 and all other details available in the Annexed Document to the E-Tender Document may be referred to.	No	No	Not Allowed
8	The Tenderer should submit Certificate(s) as per the proforma enclosed vide Annexure-A & A1, Chapter-7 of the Annexed Document as applicable. Non-submission of Certificate by the bidder shall result in summarily rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested/digitally signed by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document.	No	No	Not Allowed
9	(a) In case of any information submitted by tenderer is 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. (b) In case of any information submitted by tenderer is 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.	No	No	Not Allowed
10	The tender shall be finalised based on submitted documents & no post tender correspondence shall be entertained. However, if any clarification is required by the Railway, the same will be sought from the tenderer which need to be provided by tenderer(s) within stipulated time failing which his/their offer(s) shall be dealt based on available information with Railways interpretation only.	No	No	Not Allowed
11	While submitting offers the tenderer(s) generally commit mistakes in submitting the mandatory documents like Certificates regarding contracting experience, Audited Balance Sheet duly certified by the Chartered Accountant, Certificate in respect to true and factuality of documents, information in connection with evaluation of bid capacity, Power of Attorney, submission of tenders by authorised signatory, JV related documents etc. As such, the tenderer(s) should go through the tender document very carefully before submitting his/their offer and accordingly upload all the mandatory documents and other relevant documents as per the formats annexed in the tender document. The tender shall be finalised based on submitted documents & no post tender correspondence shall be entertained. However, if any clarification is required by the Railway, the same will be sought from the tenderer which need to be provided by tenderer(s) within stipulated time failing which his/their offer(s) shall be dealt based on available information with Railways interpretation only.	No	No	Not Allowed
12	ALL OPTIONAL DOCUMENTS SHOULD BE SUBMITTED BEFORE SIGNING OF THE CONTRACT AGREEMENT/OR DURING THE SUBMISSION OF THE BID.	No	No	Not Allowed
13	If specifically provided in Tender Documents offender having advertised value more than Rs 50 Crores, Railway shall make payment, as an Interest bearing advances, as per Contractor's request. These advances shall carry a simple interest @ RBI Bank Rate + 5% (Ref- Rly Board's Lr. No. 2018/CE-I/CT/1 dtd. 10.03.2022). The payment and recovery of such advances shall be made as per manners prescribed in Clause 46.4 of the Standard General Conditions of Contract.	No	No	Not Allowed

**Special Conditions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tenderers are requested to refer Chapter-4 of the Annexed Document for Special Conditions of Contract.	No	No	Not Allowed

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2	Tenderers are requested to refer Chapter-5 of the Annexed Document for Additional Special Conditions of Contract i.e. Technical Conditions of Contract.	No	No	Not Allowed
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**Undertakings**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed
2	I/We have read the various conditions attached/referred to in this tender document and agree to abide by the said conditions.	No	No	Not Allowed
3	I/We also hereby agree to abide by the Indian Railways Standard General Conditions of Contract-2022 with all Correction Slips up to date of closing of tender and to carry out the work according to the Special Conditions of Contract and Specifications of Materials and works as laid down by Railway in the annexed Special Conditions/Specifications, Schedule of Rates with all correction slips up to the date of closing of tender for the present contract.	No	No	Not Allowed
4	I/We hereby confirm that the rates, rebates and/or other financial terms, if any, quoted by us in the relevant fields of the Financial Bid page will only be the ruling terms for deciding the inter-se-ranking and any such conditions having financial repercussions, if quoted by us anywhere else including attached documents shall not be considered for deciding inter- se-ranking.	No	No	Not Allowed
5	I/We agree to keep our offer open for acceptance for the period of days as mentioned on NIT HEADER from the date of closing of tender and in default thereof, I/We will be liable for forfeiture of my/our Bid Security.	No	No	Not Allowed
6	The amount as stipulated in tender document is herewith forwarded as Bid Security shall stand forfeited without prejudice if :-	No	No	Not Allowed
6.1	I/We resile from my/our offer or modify the terms and conditions thereof in a manner not acceptable to the Railways during validity period of the offer as mentioned on NIT HEADER.	No	No	Not Allowed
6.2	I/We do not submit a Performance Guarantee in any of the prescribed form within 60 days from the date of issue of letter of acceptance.	No	No	Not Allowed
6.3	I/We do not execute the contract within 7 days after receipt of notice by Railway that such documents are ready.	No	No	Not Allowed
6.4	I/We do not commence the work within fifteen days after receipt of Letter of Acceptance to that effect.	No	No	Not Allowed
7	Until a formal agreement is prepared and executed, acceptance of this 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 to this work.	No	No	Not Allowed
8	I/we hereby confirm that I/we have satisfied myself/ourselves by actual inspection of the site and locality of the work that all conditions liable to be encountered during execution of the work are taken into account and that the rates entered in the tender are adequate and all inclusive, in accordance to the provision in Clause-37 Pt-II of the Indian Railway Standard General Conditions of Contract-2022 with corrections up to the date of closing of tender.	No	No	Not Allowed

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	ReferenceDWG24mCGRDSO-B-11780.pdf	Reference DWG 24m CG RDSO B 11780
2	etenderDocumentforLC302_2.pdf	e tender document for ROB
3	ReferenceDWG42mCGRDSO-B-11782.pdf	Reference DWG 42m CG RDSO B 11782
4	CombineGADforROBinlieuofLC-302.pdf	Combined GAD for ROB 302
5	LASpecialConditionLC302.pdf	LA Special Condition Sch H
6	etenderSpecialConditionforLC302.pdf	e tender Special Condition

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7	2026_06_16Acceptanceofe-BankGuaranteee-BGinWorksContractsandPGMS_PMS_PSSAGC.pdf	RBL Dated 16 06 2026
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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:** CHANDRAVANU NAIK

**Designation :** Dy.CE/C/RSP