

**CGM/N/MUMBAI** acting for and on behalf of The President of India invites E-Tenders against Tender No **MUM\_N\_EN\_ROB\_No\_2** Closing Date/Time 15/11/2022 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

## 1. NIT HEADER

<b>Name of Work</b>	Construction of Road Over Bridge no. 2 on MDR No. 6 at PWD Chainage 9/400 (DFCCIL Chainage no. 160+980) in Dahanu Detour, District Palghar, Maharashtra in connection with Western Dedicated Freight Corridor Project.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Two Packet System
<b>Tender Closing Date Time</b>	15/11/2022 15:00	<b>Date Time Of Uploading Tender</b>	
<b>Pre-Bid Conference Required</b>	Yes	<b>Pre-Bid Conference Date Time</b>	01/11/2022 11:30
<b>Advertised Value</b>	509286744.21	<b>Tendering Section</b>	TENDER
<b>Bidding Style</b>	Single Rate for Each Schedule	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	5092900.00	<b>Validity of Offer ( Days)</b>	120
<b>Tender Doc. Cost (Rs.)</b>	29500.00	<b>Period of Completion</b>	18 Months
<b>Contract Type</b>	Works	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	01/11/2022	<b>Are Joint Venture (JV) firms allowed to bid</b>	Yes
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

## 2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount	Bidding Unit
<b>Schedule A-Schedule A</b>							33632127.96	Above/Below/Par
1	26117C	2.00	Each	32056.39	64112.78	29.09	82763.19	
	<b>Description:-</b> Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.							
2	DSR2014	20.00	Numbers	879.81	17596.20	29.09	22714.93	
	<b>Description:-</b> 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. Beyond60cm girth upto & including120cm girth							
3	27007A	25610.00	cum	318.15	8147821.50	43.37	11681531.68	
	<b>Description:-</b> Excavation for foundation in sand, gravel, clay soft soils and murrum etc. Including shoring, strutting dewatering as necessary and disposing of the excavated stuff as directed (A) Depth upto 3.0 m and lead upto 100 m for 10 cum with all lead and lift.							
4	27007B	67.00	cum	369.00	24723.00	63.40	40397.38	
	<b>Description:-</b> Excavation for foundation in sand, gravel, clay soft soils and murrum etc. including shoring, strutting dewatering as necessary and disposing of the excavated stuff as directed (A) Depth 3.0 m to 6.0m with all lead and lift.							
5	27009	130.00	cum	445.41	57903.30	29.09	74747.37	
	<b>Description:-</b> Excavated in large boulders and soft rock by welding including shoring, strutting and dewatering as necessary and disposing of the excavated stuff as directed.							

6	27039	2904.00	Running Metre	3360.27	9758224.08	29.09	12596891.46	
	<b>Description:-</b> Empty boring through all. sorts of strata for providing 1.20 M dia. R.C.C. bored piles to required depth including providing necessary casting pipe with all plants and equipment's as required complete.							
7	27004AA	187.00	Sqm	792.85	148262.95	33.73	198272.04	
	<b>Description:-</b> Providing and laying filter media 600mm thick as directed at the back of abutments, returns and wing walls as per detailed specifications.							
8	26161	165.00	Sqm	298.96	49328.40	29.09	63678.03	
	<b>Description:-</b> Road marking with hot applied thermoplastic compound with reflectorising glass beads on road surface providing and laying hot applied thermoplastic compound 2.5CM thick including reflectorising glass bends @ 250 gms /sq mt area thickness of surface applied glassbend as per IRC .35 the finished surface to be level uniform and free from streaks and holes.							
9	27050A	66.00	Numbers	53.93	3559.38	29.09	4594.80	
	<b>Description:-</b> Providing Weep holes in RCC abutment, Return wall and retaining wall with 100 mm dia AC pipe and non-corrodible grating and geotextile, extending through the full width of the structure with slope of 1V:20H etc. complete as per drawing and technical specification.							
10	27072	4147200.00	Cubic Centimetre	1.11	4603392.00	22.52	5640075.88	
	<b>Description:-</b> Providing and Fixing in position fully moulded restrained elastomeric bearings as per detailed drawings.							
11	27087	2.00	Sqm	733.26	1466.52	29.09	1893.13	
	<b>Description:-</b> Providing Vertical Joints between retaining walls, abutments, etc. (providing Pre-moulded asphalt filler joints as per drawings 12mm)							
12	27098A	16.00	Numbers	506.01	8096.16	44.82	11724.86	
	<b>Description:-</b> Providing, fabricating and fixing in position GI Drainage Spout arrangements having 100 mm dia. Pipe B class with necessary bend, fixing to GI chamber, GI grating, providing and applying one coat of primer & two coat of anticorrosive paint, etc. complete as per drawing and as per specifications.							
13	M664	218.00	Running Metre	878.50	191513.00	29.09	247224.13	
	<b>Description:-</b> providing and fixing 100 dia runner and downtake GI pipe to drain water from drainage spout with necessary fixtures including cost of all materials, labours, bends, fixtures, specials ec. Complete as per drawing and Sp. And as per direction of engineer.							
14	11003	600.00	Kg	37.05	22230.00	29.10	28698.93	
	<b>Description:-</b> J type M20 Anchor bolt as per drawing including threading as shown in the drawing for standard octagonal pole type BOP 7030 all complete							
15	11001A	5.00	Quintal	6026.67	30133.35	29.09	38899.14	
	<b>Description:-</b> Structural Steel :- Base plate of 225 x 225 x 16 mm thick with adujstment of hole. MS plate 6mm thick 20mm wide 150mm long including welding to the base plate all complete							
16	M942	950.00	Running Metre	133.32	126654.00	29.09	163497.65	
	<b>Description:-</b> 50 mm Dia PVC pipe for entry cable pipe							
17	M942	1920.00	Running Metre	133.32	255974.40	29.09	330437.35	
	<b>Description:-</b> 50 mm Dia PVC pipe for crash barrier							
	14006	370.00	Sqm	474.70	175639.00	31.48	230930.16	

18	<b>Description:-</b> Providing and laying chequered precast cement with aggregate of sizes upto 6mm in floors, treads of steps and landings on 20mm thick bed of C.M. 1:6 (1-cement : 6-sand) or L.M. 1:1.5 (1-Limeputty: 1.5 coarse sand) joint with neat cement slurry with pigments to match the shade of the tiles.							
	27100A	200.00	Each	187.86	37572.00	29.09	48501.69	
19	<b>Description:-</b> Providing PVC 100 mm diameter water spouts including necessary iron gratings as per drawings.							
	CH8NHSOR88	2880.00	Sqm	63.63	183254.40	28.81	236049.99	
20	<b>Description:-</b> Painting two coats after filling the surface with synthetic enamel paint in all shades on crash barrier concrete surfaces.							
	26048	5.00	Each	841.33	4206.65	29.09	5430.36	
21	<b>Description:-</b> Providing & fixing ordinary Kilometre stone of precast C.C. 1:2:4 including necessary reinforcement as per I.R.C. type design in C.C. 1:4:8 including letter & paints etc. complete (For N.H., S.H. & M.D.R.)							
	27101A	2.00	Numbers	955.46	1910.92	29.09	2466.81	
22	<b>Description:-</b> Providing and fixing marble slab including engraving and painting complete. (A) size 75 cm x 60 cm x 4 cm							
	26089EA	50.00	Running Metre	3954.15	197707.50	22.98	243140.68	
23	<b>Description:-</b> Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal diameters . (vii) 900mm dia. .							
	27001A	220.00	cum	572.00	125840.00	29.09	162446.86	
24	<b>Description:-</b> Dismantling the existing structure including removing and stacking the dismantled materials as and where directed. (Chipping and dressing of the RCC piles upto cut-off level (Min. 1 D) including cleaning of reinforcement and removal of dismantled materials, etc. for providing pile caps as directed by Engineer and as per specification. for 1000 & 1200 mm dia. pile.)							
	23067	1028.00	Running Metre	531.26	546135.28	29.09	705006.03	
25	<b>Description:-</b> Providing, laying and jointing in true line and level 110 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line.							
	26101B	4.00	Numbers	5246.95	20987.80	29.09	27093.15	
26	<b>Description:-</b> Providing & Fixing Village name boards made out of 2mm. Aluminium sheet size 90 x 60 cms rectangle per the design of IRC - 67 - 2015 Pre treated with phosphating process & acid etching : coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T Specification : Letters and numerals sound be as per IRC-30-1968, 3.1 M long ( 2 no's) Stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm : painted with best quality epoxy coating in black and white bends the details of symbol or inscription / numerals for each board shall be as per the instruction for of Engineer-in-charge, The fixing at site shall be in 1;2;4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. comp. under the supervision of engineer in charge.(B) High intensity Grade							
	26103B	8.00	Numbers	6618.53	52948.24	29.09	68350.88	

27	<b>Description:-</b> Providing & Fixing sign boards made out of 2mm. Aluminium sheet size 1 Meter x 1 Meter cms as per the design given by engineer in charge, Pre treated with phosphating process & acid etching : coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest M.O.S.T Specification, Letters and numerals should be as per IRC -30-2015, 3.1 M long ( 2 nos) Stand post and frame fabricated from suitable size iron angle of 35 x 35 3mm & 50 x 50 x 5mm 75 x 75 x 6mm : painted with best quality epoxy coating in black and white bends the details of symbol or inscription / numerals for each board shall be as per the instruction for of Engineer-in-charge, The fixing at site shall be in 1;2;4 CC block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. comp. under the supervision of engineer in charge.(B) High intensity Grade							
	26098A	2.00	Each	12273.52	24547.04	29.09	31687.77	
28	<b>Description:-</b> Providing and fixing Junction Board made out of 2mm aluminium sheet, size 244 x 122 cms rectangle, as per the design of IRC-67-2015. Pre treated with phosphating process and acid etching coated with one coat of epoxy primer and two coats of best quality epoxy paint, reflectorized with retro reflective sheeting as per the latest M.O.S.T. specification, Letters and numerals should be as per IRC-30-1968. 3.1 Mt. long (2 nos.) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5 mm, 75 x 75 x 6 mm; painted with best quality epoxy coating in black and white bends. The details of symbol or inscription/ numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 cms for each leg, including excavation curing etc. complete under the supervision of Engineer-In-Charge (A) Engineer grade. High intensity Grade							
	26092B	4.00	Numbers	3272.40	13089.60	24.82	16338.44	
29	<b>Description:-</b> Providing and fixing cautionary warning sign board made of 2mm aluminium sheet size 90X90X90 cms. Equilateral triangle as per the design of IRC-67-2015 pretreated with phosphating process & acid catching with one coat of epoxy primer and two coats of best quality epoxy paint reflected with retro reflective sheeting as per latest MOST specification 3.1 mt. long stand post and frame fabricated from suitable size iron angle of 35X35X3mm. 75X75X6mm as required .painted with best quality epoxy coating in black and white bends, the details of symbol for board shall be as per the instruction of engineer-in-charge. the fixing at site shall be in 1;2:4 cc block of size 45X45X60 cms for each leg including excavation curing etc. complete under the supervision of engineer in charge (high intensity grade).							
	26008	1815.00	cum	65.40	118701.00	29.08	153219.25	
30	<b>Description:-</b> Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed.							
	26163	990.00	Numbers	372.00	368280.00	28.55	473423.94	
31	<b>Description:-</b> Supplying and fixing cat eye with nail less surface (Stimsonite) made out from Acrylic butyle styrene high compression injection moulding with reflector made of MMC (prismatic type of size 12cm x 6cm x 2.5cm) provided with bituminous adhesive 100g. with each unit for fixing. (High Intensity grade)							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount	Bidding Unit
<b>Schedule B-Schedule B</b>							177912783.28	Above/Below/Par
1	NS1	1.00	Lumpsum	14601.14	14601.14	28.05	18696.76	
	<b>Description:-</b> Marking out the center line of the Bridge and various other component structures and complete lining out and leveling with theodolite, levels,including constructing necessary masonry pillars for lines and levels and establishing necessary bench marks etc. complete as directed.							
2	NS 2	2541.00	cum	246.94	627474.54	28.05	803481.15	

	<b>Description:-</b> Earth work for embankment including breaking clods dressing With all lead and lift and including watering, rolling, and consolidation of subgrade in layers at O.MC. to required dry density including filling the depressing which occur during the process using Vibratory roller 8.T. to 10 T (from borrow area within 5 km lead).						
3	NS3	3283.00	cum	5573.59	18298095.97	24.73	22823215.10
	<b>Description:-</b> Providing and laying controlled cement concrete M 35 for R.C.C.bored piles of 1.20 M dia. Including ramming, vibrating and finishing, excluding T.M.T Reinforcement complete.						
4	NS 4	2335.00	cum	5344.49	12479384.15	26.39	15772693.63
	<b>Description:-</b> Providing and casting in-situ controlled cement concrete of M35 grade for RCC work for Pile cap, foundation for pier, abutment, RCC Stair Case and retaining walls with 20/40mm down coarse aggregate of the required size for any depth including dewatering, scaffolding centring, shuttering, mixing, placing in position, consolidating with mechanical vibrators, curing, deshuttering carefully, making good the damages, fixing embedment, inserts, pockets, wherever necessary as per specification and drawing.						
5	NS5	411.00	cum	3747.05	1540037.55	32.33	2037931.69
	<b>Description:-</b> Providing & filling in foundation with ordinary cement concrete M 15 mix and providing necessary vertical pin headers including formwork vibrating ramming & curing complete						
6	NS6	1343.00	cum	5760.07	7735774.01	26.25	9766414.69
	<b>Description:-</b> providing and casting in sit controlled cement M35 for RCC work in piers and abutment return wall as per drawing including centering shuttering scaffolding where necessary currying vibrating curing and finishing complete. A)height from 0.0 to 5.0 m						
7	NS7	356.00	cum	5646.01	2009979.56	29.13	2595486.61
	<b>Description:-</b> providing and casting in situ controlled cement M35 for RCC work in piers and abutment return wall as per drawing including centering shuttering scaffolding where necessary laying vibrating curing and finishing complete.A) heightAbove 5.0m.						
8	NS8	637.00	cum	5983.84	3811706.08	27.11	4845059.60
	<b>Description:-</b> Providing and casting in situ controlled cement concrete M35 for RCC works on pier cap, abutment cap and dirt wall including controlled cementconcrete or pedestals of required drawings, centering shuttering, scaffolding wherever necessary laying vibrating curing and finishing complete.						
9	NS9	693.00	cum	8293.41	5747333.13	21.46	6980710.82
	<b>Description:-</b> Providing and casting in situ controlled cement concrete M40 for RCC works for Pedestal, Seismic Arrestor,Wearing Coat and Deck Slab including controlled cement concrete or pedestals of required drawings, centering shuttering, scaffolding wherever necessary laying vibrating curing and finishing complete .						
10	NS10	2078.00	cum	5753.65	11956084.70	37.19	16402552.60
	<b>Description:-</b> Providing and casting in situ controlled cement concrete M35 for R.C.C. work in superstructure including centering, shuttering scaffolding, ramming, vibrating curing and finishing complete. (I) Deck slab						
11	NS11	3849.00	cum	6052.44	23295841.56	34.66	31370180.24
	<b>Description:-</b> Providing and casting in situ controlled cement concrete M-35 for R.C.C. work in superstructure including centering, shuttering scaffolding, ramming, vibrating curing and finishing complete.((II)Main and cross Girder						
12	NS12	806.00	cum	8512.87	6861373.22	28.69	8829901.20
	<b>Description:-</b> Providing and casting in -situ controlled cement concrete of M 40 grade for RCC crash Barrier & Parapet with 20 mm down coarse aggregate of the required size including formwork, shuttering, placing in position, consolidation with mechanical vibrators curing finishing, deshuttering carefully, marking good the damages, fixing embedment, inserts, pockets, wherever necessary as directed and as per drawing with F3 type exposed concrete finish and formwork as directed by Engineer - in -charge, etc.complete as per specification.						

13	NS13	4730.00	cum	806.81	3816211.30	49.88	5719737.50	
	<b>Description:-</b> Construction of compacted coarsed granular subbase (Grade-I crushed B.T materials of 53 mm to 26.5 mm @ 35 %, 26.5 mm to 4.75 mm @ 45% ,Below 2.36 mm @ 20 %) by providing close graded material , mixing in a mechanical mix plant at OMC,carriage of a mix material to work site, spreading uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve desire density , complete clause as per 401.							
14	NS14	5913.00	cum	926.17	5476443.21	43.58	7863077.16	
	<b>Description:-</b> Providing and laying wet mix base course macadam 250 mm in Two layer using machine crushed chips as per required gradation mixing with required optimum quantity of water conveying the mix to site and spreading to grade and camber with mechanical paver consolidation by vibratory roller including material, labour, plant and machinery and equipment etc. complete.							
15	NS15	2129.00	MT	2536.11	5399378.19	27.48	6883127.32	
	<b>Description:-</b> Providing and laying 90 mm DBM in single layer using crushed stone aggregate BT chips as per required gradation and using emulsion asphalt as a tack coat @ 2.5 kg / 10 sqmt and the VG-30 grade asphalt at 40 kg/MT)by total weight of mix hot laid process using hot mix plant including heating and mixing asphalt & materials by hot mix process transporting the mix and laying by paver finisher including consolidation with vibratory roller including cost of material, labour, machinery equipment and fuel , oil , lubricant for plant and machinery using contractor's own plant and machineries etc. complete.							
16	NS16	710.00	MT	2755.28	1956248.80	26.42	2473089.73	
	<b>Description:-</b> Providing and laying 30 mm Bitumen concrete using crushed stone aggregate BT chips as per required gradation and the VG-30 grade asphalt at 54 kg/MT)by total weight of mix hot laid process using hot mix plant including heating and mixing asphalt & materials by hot mix process transporting the mix and laying by paver finisher including consolidation with vibratory roller including cost of material, labour, machinery equipment and fuel , oil , lubricant for plant and machinery using contractor's own plant and machineries etc. complete.							
17	NS17	23650.00	Sqm	25.25	597162.50	47.13	878605.19	
	<b>Description:-</b> Providing and applying priming coat with emulsion SS1 grade at the rate of 7.50 kg/ 10 Sq.mt. including cost of asphalt and preparing the surface heating, and applying etc. complete.							
18	NS18	20.00	cum	5142.80	102856.00	41.19	145222.39	
	<b>Description:-</b> Providing and casting in situ controlled cement concrete concrete M-30 for approach slab including formwork curing and finishing complete.							
19	NS19	25000.00	Sqm	181.79	4544750.00	41.57	6434002.58	
	<b>Description:-</b> Providing and applying one coat of Epoxy phenolic primer of DFT 50 microns and two coats of Epoxy phenolic coating of DFT 100 microns each for RCC Element or any other equivalent epoxy coating system to all concrete surfaces exposed to atmosphere in substructure and superstructure including cost of material labour, transportation,scaffolding and preparing the surface by cleaning, washing, brushing, sand/grit blasting etc complete and as directed by engineer and as per specification. ( Paint shall be approved from Engineer and tested from approved Laboratory) (Total DFT = 50+100+100 = 250 microns)							
20	NS20	370.00	Running Metre	10283.07	3804735.90	24.77	4747168.98	
	<b>Description:-</b> Providing and fixing in position Strip Seal Type Expansion Joint (for movement upto 60mm) as per detailed drawing MORTH specification. The rate is inclusive of supplying, fixing with contractor's own materials, equipments, machineries, labour, transport, testing, bolts, socket tubes, neoprene sheet/cap etc. complete. The rate is finished item complete and will be paid after fixing in all respect. The Contractor shall procure Strip Seal Expansion Joint, confirming to relevant MORTH specification from M/s.Sanfield (India) Ltd. /METCO or from reputed manufactures of Strip Seal Expansion Joint with prior approval of Engineer-incharge.							
	NS21	1.80	Numbers	4771.71	8589.08	28.05	10998.32	

21	<b>Description:-</b> Providing Pylon consist of cast-in-situ concrete of M30grade exposed finish as per drawing and as directed by engineer incharge. Rate includes providing required shuttering and form work but excluding stone slab & carving. (Reinforcement shall be paid in respective item.)							
22	NS22	90.00	cum	4795.63	431606.70	28.05	552672.38	
	<b>Description:-</b> Providing and casting in situ reinforced cement concrete M30 grade controlled cement concrete in kerb, protection wall around pier, etc. using 6mm to 20mm machine crushed well graded stone aggregate, sand of approved quality, OPC 53 grade cement with contractor's own concrete mix design as approved by client etc complete as per specification. The rate is inclusive of all materials, including necessary mixing in fully automatic batch mix plant, transportation, curing, vibrating, placing in position, shuttering, formwork, deshuttering carefully, making good the damages, fixing embedment, inserts, pockets, wherever necessary, with all lead & lift with contractors labour, tools & plants machinaries, as required with F3/U3 type exposed concrete finish and form mark							
23	NS23	25000.00	Sqm	179.02	4475500.00	28.05	5730877.75	
	<b>Description:-</b> PRIMER & PROTECTIVE COATING-providing and laying the external decoative waterproff & Protective coating system for concrete and masonry shall be MASTERSEAL 200H, a single component elastomeric crack bridging acrylic coating applied at an average thickness of 50 micro DFT in two coat the product shall be applied on suitability primed substrate using MASTERSEAL 399 as primer. The product must be crack bridging elongation type with elongation at break, exceeding 200% & tensile strength exceeding 2 MPa The system shall exhibit excellent bond strength with the substrate at least exceeding 1.0 MPa, when tested as per ASTM D 4541.							
24	NS24	162.00	Each	1453.39	235449.18	28.05	301492.67	
	<b>Description:-</b> Conducting Pile low strain integrity test as per ASTM D 5882- 96 code of American Society for Testing on cast -in situ RCC pile of 1200 mm diameter inclusive of analysis with all contractor's equipment, manpower, site preparation, lead and lifts etc. complete as per standard procedure, and as directed by the Engineer in charge. Note:- Rate is inclusive All equipment, All labour and consumable required & Mobilization of equipment.							
25	NS25	100.00	Quintal	1830.18	183018.00	28.05	234354.55	
	<b>Description:-</b> labour charges for fabrication and erection in position steel in columns, roof girders, bracings, base plates, holding down bolts, nosing angles, MS grills, MS jallies, chequered plates, chequered tiles, MS bearing plates etc							
26	NS26	200.00	Sqm	155.09	31018.00	136.49	73354.47	
	<b>Description:-</b> Fixing of the serviceable pavers blocks over a bed of 50 mm thick compacted (compaction to be done with contractor own plate compressor compacted) sand/stone dust including preparation of the sub grade, including excavation as required and the levelling to proper level as directed by the Rly engineer representative. 50 mm thick (consolidation depth), pavers blocks shall be arranged on the compacted layer sand and fine sand spread over to cover the joints. The rate also includes compaction with plate compressor, concrete to be provided at free ends for preventing movements of sand as well as pavers blocks. The rate is inclusive of all labour, T&P, crossing of track, lead, lift, taxes etc. complete.							
27	NS27	124.00	Each	109828.05	13618678.20	0.00	13618678.20	
	<b>Description:-</b> Launching of RCC Precast Girders and place the girder in proper level/position and alignment as per instruction of Engineer in charge. The launching methodology shall be got approved from the DFCCIL before launching of girder.							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount	Bidding Unit
Schedule C-Schedule C							195871075.46	Above/Below/Par
	27111A	506.00	MT	39934.54	20206877.24	83.42	37063454.23	

1	<b>Description:-</b> Providing and placing in position High Yield Strength Deformed (HYSD) bars reinforcement (TMT Fe 500D grade) conforming to IS 1786 of all categories for foundation of pier, abutment & retaining wall including cutting, bending, hooking and tying with 18 gauge mild steel binding wires, supporting in position to ensure lines and levels during concreting, maintaining proper cover / spacing etc. complete as per specification and detailed drawing. FOR PILE FOUNDATION						
2	27111B	296.00	MT	45575.24	13490271.04	74.55	23547268.10
	<b>Description:-</b> Providing and placing in position High Yield Strength Deformed (HYSD) bars reinforcement (TMT Fe 500D grade) conforming to IS 1786 of all categories for foundation of pier, abutment & retaining wall including cutting, bending, hooking and tying with 18 gauge mild steel binding wires, supporting in position to ensure lines and levels during concreting, maintaining proper cover / spacing etc. complete as per specification and detailed drawing. FOR PILE CAP						
3	27115	978.00	MT	44990.45	44000660.10	75.37	77163957.62
	<b>Description:-</b> Providing and placing in position High Yield Strength Deformed (HYSD) bars reinforcement (TMT Fe 500D grade) conforming to IS 1786 of all categories for super structure including cutting, bending, hooking and tying with 18 gauge mild steel binding wires, supporting in position to ensure lines and levels during concreting, maintaining proper cover / spacing etc. complete as per specification and detailed drawing.						
4	27110	29.00	MT	44770.27	1298337.83	75.68	2280919.90
	<b>Description:-</b> Providing and placing in position High Yield Strength Deformed (HYSD) bars reinforcement (TMT Fe 500D grade) conforming to IS 1786 of all categories for Seismic Arrestor, Pedestal and Dirt Wall.						
5	27109	238.00	MT	45575.24	10846907.12	74.55	18933276.38
	<b>Description:-</b> Providing and placing in position High Yield Strength Deformed (HYSD) bars reinforcement (TMT Fe 500D grade) conforming to IS 1786 of all categories for piers, abutments, returns and retaining wall, Drain including cutting, bending, hooking and tying with 18 gauge mild steel binding wires, supporting in position to ensure lines and levels during concreting, maintaining proper cover / spacing etc. complete as per specification and detailed drawing.						
6	27123	188.00	MT	44298.60	8328136.80	76.36	14687502.06
	<b>Description:-</b> Providing and placing in position High Yield Strength Deformed (HYSD) bars reinforcement (TMT Fe 500D grade) conforming to IS 1786 of all categories for approach slab, Crash barrier, Friction Slab and Wearing Coat.						
7	27111	158.00	MT	45575.24	7200887.92	74.55	12569149.86
	<b>Description:-</b> Providing and placing in position High Yield Strength Deformed (HYSD) bars reinforcement (TMT Fe 500D grade) conforming to IS 1786 of all categories for pier cap, abutment cap, dirt wall and pedestal including cutting, bending, hooking and tying with 18 gauge mild steel binding wires, supporting in position to ensure lines and levels during concreting, maintaining proper cover / spacing etc. complete as per specification and detailed drawing.						
8	27020A	101.00	MT	44690.48	4513738.48	113.25	9625547.31
	<b>Description:-</b> Providing Steel Liner 6 mm thick for pile including Fabricating and Setting out as per Detailed Drawing.						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount	Bidding Unit
<b>Schedule D-Schedule D</b>							85503673.11	Above/Below/Par
	NS1	483.00	MT	101622.62	49083725.46	30.44	64024811.49	

1	<p><b>Description:-</b> Supply &amp; Fabrication of steel girder spans including its components (Stiffeners, Bracings, Splices, Studs etc.) as per the approved drawings for composite construction of superstructure of the Road Over Bridge with contractor's own Steel conforming to IS: 2062 Grade 350(B0) with all welds, HSFG Bolts, nuts bolts, rivets etc. with contractor's own materials, fabrication, machinery, templates, fixtures, equipments tools and plants transportation, skilled/unskilled labour, excise duty., Octroi, sales tax and other taxes, all leads lifts, descent, loading, unloading, crossing one or more Railway track if required etc. complete and as per technical specifications. The rate is inclusive of transportation of fabricated girder parts to site by contractor's own means at his cost. The rate shall also be inclusive of cold straightening of deformed and bent girder parts before their assembly. Work has to be done as per drawings and specifications approved by Railway. High quality superior brand of paint should only be used. For Painting prior approval for superior brand / make of the paint should be taken from engineer in charge. Note:1. The fabrication of girders must be got done from RDSO approved firms only. 2. The rate is inclusive of assembly of girder with service bolts as per approved drawing in shop for checking by Engineer's representative and dismantling the same after checking for transportation to the site. 3. Weight of HSFG bolts, Rivets, Welds shall not be considered for payment. Nominal weight of the girder spans including its components (Stiffeners, Bracings, Splices, Studs etc.) as per drawing will only be considered for payment. Stage payment is as under. (i) 60% payment shall be released after fabrication and receiving fabricated component at ROB site.(ii) 20% payment shall be released after assembling the fabricated components as per drawing at ROB site.(iii) 20% payment shall be released after erection and completion of item.</p>							
2	NS2	6090.00	Sqm	689.95	4201795.50	40.62	5908564.83	
	<p><b>Description:-</b> Metalizing girder / girder components such as cross girders, top chord channels, bracing etc. of Steel Girder as directed by Engineer with aluminium spray not less than two layers after preparing surface by sand/grit blasting as per provision laid in Appendix VI of IRS B 1179 code (latest alteration) including one coat wash primer (IS-5666) one coat zinc chrome primer (IS-104) and two coats of aluminium paint (IS-2339) with approved paint conforming to IS specification for fabrication &amp; erection of steel girder bridge (RS B 1-79) as corrected up to date with contractor's own materials, tools, plants labour, loading/unloading, transportation, handling, re-handling if any including all lead, lifts descents, crossing of track/obstruction etc. complete in all respect and as per direction of the Engineer.</p>							
3	NS3	152.00	MT	21218.56	3225221.12	44.85	4671732.79	
	<p><b>Description:-</b> Assembling, Welding, Erecting, Bolting by HSFG bolts, Riveting if any as per approved drawings and Launching of girder spans including its components on running line / Non-Running line /Running electrified line / under block period with the help of road crane of required capacity as per Railway's approved drawings &amp; Scheme with other ancillary steel structures fixed to the girder, where necessary, in proper level and alignment and as per technical specifications. The rate shall be inclusive of supply, erection and dismantling of staging and scaffolding and other temporary arrangements required for the purpose of assembly, erection and launching of girders. The rate shall also be inclusive of cold straightening of deformed and bent girder parts before/after their assembly. Work has to be done as per drawings and specifications approved by Railway.Note: Weight of HSFG bolts, Rivets, Welds shall not be considered for payment. Nominal weight of the girder spans including its components (Stiffeners, Bracings, Splices, Studs etc.) as per drawing will only be considered for payment.a)Launching of Steel girder spans Launching of Steel girder spans including its components on running line /Running electrified line / under block period with the help of road crane of required capacity as per Railway's approved drawings with other ancillary steel structures fixed to the girder where necessary in proper level and alignment and as per technical specifications.</p>							
4	b	332.00	MT	8979.22	2981101.04	67.71	4999604.55	
	<p><b>Description:-</b> launching of steel girder span including its components on non- running line with the help of road crane of required capacity as per Railway's approved drawings with other ancillary steel structures fixed to the girder where necessary in proper level and alignment and as per technical specifications.</p>							
	NS4	18.00	MT	73008.05	1314144.90	36.59	1794990.52	

5	<b>Description:-</b> Fabricating, supplying and erecting in position standard structural steel sections manufactured from IS approved manufacturers only ,conforming to IS :2062 - 1992 (including latest amendments) including welding with approved quality welding rods, supply and fixing of correct size turn bolts including one primer coat of red lead paint conforming to IS:102 or Zinc chromate paint conforming to IS:104 followed by tow coats of Aluminium paint as per IS : 2339 with all contractor's materials, labour, tools and plants etc in bolted/welded construction as directed by Engineer in charge. Work shall be carried out as per IS:800-1984 (with latest amendments), IRS specification No. B3-61 part 2 and IS 816 for welding.						
6	NS5 a	20.00	Numbers	64761.55	1295231.00	43.20	1854770.79
	<b>Description:-</b> Providing and fixing in position true to line and level POT cum PTFE bearings including cost of all materials, fixtures, preparing surface for receiving bearing, grouting of sleeves with non shrink high strength groute, loads testing of bearing, transporting and fixing in position including all lead and lifts etc. complete as per approved design & drawing and as directed by Engineer-in-charge under prestressed concrete girders as per approved drawings and special condition. Specification of contract. The contractor will supply design & drawing for this item.Fixed bearing. Note: The rate is for finished item complete and paid only after fixing in position below the girder.						
7	NS5 b	20.00	Numbers	64761.55	1295231.00	43.20	1854770.79
	<b>Description:-</b> Providing and fixing in position true to line and level POT cum PTFE bearings including cost of all materials, fixtures, preparing surface for receiving bearing, grouting of sleeves with non shrink high strength groute, loads testing of bearing, transporting and fixing in position including all lead and lifts etc. complete as per approved design & drawing and as directed by Engineer-in-charge under prestressed concrete girders as per approved drawings and special condition. Specification of contract. The contractor will supply design & drawing for this item.Sliding bearingNote: The rate is for finished item complete and paid only after fixing in position below the girder.						
8	NS6	1.00	Each	283027.66	283027.66	39.36	394427.35
	<b>Description:-</b> Load testing of one composite steel /Span Designing and Load testing of one composite girder/ Span as selected by the Engineer confirming to Rly. Standard's with loads to be applied and removed incrementally etc. complete as per special condition and specification of contract, as per relevant IS/IRC codes with all contactors labour supervisor, T & P's all taxes, equipment, leading materials instruction of load test jacks etc., dial gauges, including all lead and lift.						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount	Bidding Unit
<b>Schedule E-Schedule E</b>							2481225.55	Above/Below/Par
1	NS1	100000.00	Sqm	0.46	46000.00	30.43	59997.80	
	<b>Description:-</b> Autocad Drawings : Preparation / Alternation and submission of drawings such as general arrangement drawings , phase drawings, scheme plan, structural drawings etd. On Auto Cad as per details and directions given by the Engineer in charge including plotting and submitting in standard inklet film of 50 micron and CD, submitting check prints on A3/A2/A0 size papers and final Print complete and as per insturctions of Engineer in charge.							
2	NS2	1.00	Lumpsum	500000.00	500000.00	34.19	670950.00	

	<b>Description:-</b> Site Office Providing, arranging, managing and maintaining 500 sq.ft. well furnished AC office and well equipped Laboratory with 3 tables, 10 chairs, 2 steel almirah, one computer with printer & operator, sufficient number of display etc. to the satisfaction of the Project Manager including Electrical, Water expenses etc. For execution of this item the date of start shall be considered only when the Contractor has actually rented/constructed the required premises established the office & Laboratory as per requirement. This item shall remain valid only for original contact period; no additional payment shall be made for whatsoever reason even if time extension is provided or date of completion is extended. This office and laboratory including furniture and all other equipment shall be property of contractor after completion of Project.						
3	NS3	520.00	Sqm	1365.77	710200.40	28.55	912962.61
	<b>Description:-</b> Providing & fixing Safety Screen as per RDSO Drg. No. EL / C / 0068 MOD " E " , on the Parapet with necessary fixtures etc. as per detailed drawing including contractor's own materials, labours, tools and plants, etc. complete.						
4	NS4	4.00	Each	4040.41	16161.64	33.72	21611.35
	<b>Description:-</b> Making and supplying of check rails of 52 kg/ 60 kg rails of various lengths for level crossing as per approval drawings.						
5	NS5	1650.00	Metre	380.34	627561.00	29.98	815703.79
	<b>Description:-</b> Providing, fixing and maintaining MS fabricated traffic barricading of 2.50m height on either side of the carriage way / portion of the carriage way closed to the traffic including provision of all sign boards/ bollards and warning lights etc. as per the Engineer in charge.						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount	Bidding Unit
<b>Schedule F-Schedule F</b>							9013574.20	Above/Below/Par
1	192103	3.00	Each	197745.00	593235.00	41.92	841919.11	
	<b>Description:-</b> Conducting load testing of a single pile upto following capacity in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc with all labour material, tool & plant , equipment, machinery etc complete as per drawing and specification as directed by the Engineer.Initial load test above 100 ton capacity up to 250 ton capacity. USSOR 2011 western railway item no.192103Upto 250 tonne							
2	192104	10.00	Each	43817.59	438175.90	34.19	587988.24	
	<b>Description:-</b> Conducting load testing of a single pile upto following capacity in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc with all labour material, tool & plant , equipment, machinery etc complete as per drawing and specification as directed by the Engineer.Initial load test above 100 ton capacity up to 250 ton capacity. USSOR 2011 western railway item no.192103Extra over 50 t							
3	192104	6.00	Each	277267.47	1663604.82	26.38	2102463.77	
	<b>Description:-</b> Routine load test above 100 ton capacity up to 250 ton capacity pile. USSOR 2011 western railway item no.192107Upto 250 tonne							
4	192107	24.00	Each	43817.59	1051622.16	34.19	1411171.78	
	<b>Description:-</b> Routine load test above 100 ton capacity up to 250 ton capacity pile.USSOR 2011 western railway item no.192107Extra over 50 t							
5	191050	1.00	Each	10453.50	10453.50	29.55	13542.51	
	<b>Description:-</b> Conducting in situ size Plate Load Test (PLT) at selected location as per IS : 1888 including making loading arrangements & casting of RCC/cast in situ concrete footing as per codal provisions including excavation and refilling of trial pit.							
	192111	3.00	Each	174625.72	523877.16	49.10	781100.85	

6	<b>Description:-</b> 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. Piles with lateral load capacity of up to 10 ton							
7	192112	10.00	Each	58702.21	587022.10	34.19	787724.96	
	<b>Description:-</b> 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. Piles with lateral load capacity of above 10 ton & up to 20 ton							
8	201051	60.00	Running Metre	10959.03	657541.80	34.19	882355.34	
	<b>Description:-</b> Providing and fixing in position of standard performed sealed and slab type or Strip Seal elastomeric Type Expansion Joints (80 mm expansion) for railway bridge or Road over Bridge as per approved drawing and latest MORTH/IRC 69 specification. The rate are inclusive of supplying, fixing with contractor's own materials e.g. inserts, bolts, socket tubes, neoprene sheet/cap etc. equipments, machineries, labour, all taxes,royalty,all lead and lift, transport, testing, surface preparations, complete.							
9	132050	200.00	cum	1275.50	255100.00	47.65	376655.15	
	<b>Description:-</b> Providing and laying in position machine mixed, machine vibrated and machine batched Design Mix Cement Concrete M20 grade (Cast - in Situ) using 20 mm graded crushed stone aggregate and coarse sand of approved quality in Abutment, pier, wing walls and return walls of Mass cement concrete above RCC raft Including finishing complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement and shuttering shall be paid extra							
10	183061	830.00	Sqm	53.23	44180.90	29.96	57417.50	
	<b>Description:-</b> Rubble filling under layer of road of water bound macadam/ stone soling etc.							
11	13120	1000.00	cum	135.46	135460.00	26.41	171234.99	
	<b>Description:-</b> Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, rain bunds if provided, platforms etc. with earth excavated from outside railway boundary entirely arranged by the contractor at his own cost as per RDSO's latest guidelines and specifications and special condition of contract including all leads, royalty, lifts,ascents, descents, crossing of nallahs or any other obstructions. The rates shall include all dressing of bank to final profile, demarcation and setting out of profile, site clearance, removing of shrubs, roots of vegetations growth, heavy grass, benching of existing slope of old bank, all handling/re-handling. taxes, octroi and royalty etc. as a complete job. Cut trees shall be property of railways and to be deposited in the railway godown unless specified otherwise in the Special conditions of contract							
12	12	1.00	Lumpsum	1000000.00	1000000.00	AT Par	1000000.00	
	<b>Description:-</b> Misc. State SOR /USSOR of W.Rly. items requiring for successful completion of the work as advised by in-charge of the work.							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl. (%)	Amount	Bidding Unit
Schedule G-Schedule G							4872284.65	Above/Below/Par
1	1	1.00	Numbers	1948.53	1948.53	AT Par	1948.53	
	<b>Description:-</b> Preparation of Drawing & approval of scheme from DFCCIL & MSETCL including (printout on tracing paper & paper copies)							
	2	2.00	Numbers	139218.08	278436.16	AT Par	278436.16	

2									<b>Description:-</b> DTC shifting including connection with existing circuits and including all required materials [RSJ 116 x100, 11 m long, RSJ 100x116,9 m long for struut, GI Channel 100x50x6(9.2 kg/m), GI Channel 75x40x6(7.1 kg/m), GI Angles 50x50x6(4.1 kg/m), GI Flate 50mm x10 mm, Pin Insulator 11 KV with GI Pins , Disc Insulator 11 KV 7000 KG, Strain Hardware for AAAC 100 Sqmm, 11 KV H.G Fuse, 11 KV A B Switch, 11 KV Lightening arrestor, H.T. Earthing set, Danger board & G.I. Strip (25x3 mm), G.I. Barbed Wire 'A' type, Painting of support & fabricated materials & Concreting 1:4:8 (Plinth) etc.][only Conductor/ cable is excluded]
3	3	6.00	Numbers	156684.71	940108.26	AT Par	940108.26		<b>Description:-</b> 11KV DP Structure including connection with existing circuits/conductor/cable and including all required materials[ RSJ 152 x152, 11 m long, RSJ 152x152,9 m long for (Stud), GI Channel 100x50x6mm, GI Channel 75x40x6mm, GI Angles 50x50x6 mm, GI Flate 50mm x10 mm, 11 KV Pin Insulator with GI Pins, Disc Insulator 11 KV 45 KN, Strain Hardware for Dog0 1 or Equ AAAC, 11 KV A B Switch, G.I. Stay wire 7/4 mm (8SWG), Earthing set H.T., Danger board, G.I. wire 8 SWG/6 SWG, G.I. Barbed Wire 'A' type, Concreting ration 1:3:6 , Black Bituminus Paint, Red oxide Paint for 2 coats , Aluminium Paint for 1 coats etc.][only Conductor/ cable is excluded]
4	4	28.00	Numbers	19867.74	556296.72	AT Par	556296.72		<b>Description:-</b> LT Pole erection including all [RSJ 116x100, 9 m long, GI Flate 50mm x6mm, L.T. Stay sets, G.I.stay Wire 7/3 15mm (10SWG), G.I.stay Wire 7/3 15mm (10SWG), Stay Insulator, Concreting ration 1:4:8, Earthing Sets L.T., G.I. wire 8 SWG/ 6SWG , Painting/hardware & support with numbering of pole] [only Conductor/ cable is excluded]
5	5	200.00	Running Metre	73.20	14640.00	AT Par	14640.00		<b>Description:-</b> Providing & Drawing overhead AAAC 100 mm2
6	6	200.00	Running Metre	40.34	8068.00	AT Par	8068.00		<b>Description:-</b> Providing & Drawing overhead AAAC 55 mm2
7	7	1.00	Running Metre	464.75	464.75	AT Par	464.75		<b>Description:-</b> Providing & Laying L.T. XLPE Armoured 3.5 Core cable 120 sq.mm
8	8	500.00	Running Metre	288.18	144090.00	AT Par	144090.00		<b>Description:-</b> Providing & Laying L.T. XLPE Armoured 3.5 Core cable 70 sq.mm
9	9	700.00	Running Metre	237.32	166124.00	AT Par	166124.00		<b>Description:-</b> Providing & drawing overhead L.T. aerial bunched cable (3x70)
10	10	1.00	Running Metre	395.53	395.53	AT Par	395.53		<b>Description:-</b> Providing & Drawing overhead L.T. Aerial bunched cable (3x120)
11	11	1.00	Running Metre	2165.43	2165.43	AT Par	2165.43		<b>Description:-</b> Providing & Laying XLPE Cable 11 Kv, 3C/300 mm sq.
12	12	600.00	Running Metre	1042.71	625626.00	AT Par	625626.00		<b>Description:-</b> Providing & Laying XLPE Cable 11 Kv, 3C/185 mm sq.
13	13	1.00	Numbers	7471.36	7471.36	AT Par	7471.36		<b>Description:-</b> Providing & Making 11 Kv heat shrinkable straight thought joint with kit for 3C x300 sqmm
14	14	1.00	Numbers	2867.62	2867.62	AT Par	2867.62		

	<b>Description:-</b> Providing & Making 11 Kv heat shrinkable outdoor termination joint with kit for 3C x300 sqmm						
15	15	4.00	Numbers	7123.86	28495.44	AT Par	28495.44
	<b>Description:-</b> Providing & Making 11 kV heat shrinkable Straight through joint with kit for 3 C X 185 sqmm						
16	16	12.00	Numbers	2693.87	32326.44	AT Par	32326.44
	<b>Description:-</b> Providing & Making 11 kV heat shrinkable Outdoor termination joint with kit for 3 C X 185 sqmm						
17	17	1.00	Numbers	791.07	791.07	AT Par	791.07
	<b>Description:-</b> Providing & Making L.T. jointing with kits for 120 Sqmm						
18	18	16.00	Numbers	632.86	10125.76	AT Par	10125.76
	<b>Description:-</b> L.T. jointing with kits for 70 Sqmm						
19	19	600.00	Running Metre	36.73	22038.00	AT Par	22038.00
	<b>Description:-</b> Providing & Drawing overhead Single core PVC insulated 10 sq mm stranded alluminium conductor wire						
20	20	14.00	Lumpsum	1483.25	20765.50	AT Par	20765.50
	<b>Description:-</b> Misc. for XLPE U/G Cable including R.C.C. pipe 150mm 2 m, RCC Tiles (0.6 x0.5) mtrs, Sand etc.						
21	21	200.00	Running Metre	2656.68	531336.00	AT Par	531336.00
	<b>Description:-</b> Providing HDD bore (Size 200 MM Dia) for laying underground cable in HDPE pipe-Below Road/ Track crossing						
22	22	800.00	Running Metre	554.59	443672.00	AT Par	443672.00
	<b>Description:-</b> Providing HDD bore (Size 200 MM Dia) for laying underground cable in HDPE pipe - other than Road/ Track crossing						
23	23	1.00	cum	284.12	284.12	AT Par	284.12
	<b>Description:-</b> Excavation for cable trench in Hard rock, Depth upto 1.5 mtr including getting out the excavated soil and disposal of surplus excavated soil as directed within a load of 50 meter for laying of HDPE pipe upto 200mm .						
24	24	1.00	Running Metre	918.91	918.91	AT Par	918.91
	<b>Description:-</b> Providing, lowering, laying, aligning, fixing in position and jointing at all level/ depths ISI marked HDPE pipe of suitable grade as per IS 4984 (200mm dia PE100, PN-6)						
25	25	600.00	Running Metre	516.83	310098.00	AT Par	310098.00
	<b>Description:-</b> Providing, lowering, laying, aligning, fixing in position and jointing at all level/ depths ISI marked HDPE pipe of suitable grade as per IS 4984 (160mm dia PE100)						
26	26	400.00	Running Metre	366.88	146752.00	AT Par	146752.00
	<b>Description:-</b> Providing, lowering, laying, aligning, fixing in position and jointing at all level/ depths ISI marked HDPE pipe of suitable grade as per IS 4984 (110mm dia PE100)						
27	27	1.00	Numbers	275655.00	275655.00	AT Par	275655.00
	<b>Description:-</b> Supply, installation, testing & commissioning of Dist.transformer 200kva,11/0.4kv						
28	28	1.00	Numbers	121790.70	121790.70	AT Par	121790.70
	<b>Description:-</b> Supply, installation, testing & commissioning of Dist. transformer 63kva,11/0.4kv						

29	29	2.00	Numbers	10754.30	21508.60	AT Par	21508.60	
	<b>Description:-</b> Supply & installation testing & commissioning of DTC metering with Box, single core L.T XLPE cable (185 sq.mm,200 mtr length) and other applied material.							
30	30	1.00	Numbers	18112.65	18112.65	AT Par	18112.65	
	<b>Description:-</b> Supply & installation of L.T Dist. Boxes 100 KVA with KITKAT							
31	31	1.00	Numbers	33055.38	33055.38	AT Par	33055.38	
	<b>Description:-</b> Supply & installation of L.T Dist.Boxes 200KVA with Kitkat							
32	32	12.00	Kg	789.66	9475.92	AT Par	9475.92	
	<b>Description:-</b> Supply & Providing of Dog To Dog or equivalent AAAC							
33	33	2.00	Numbers	3760.40	7520.80	AT Par	7520.80	
	<b>Description:-</b> Supply & Providing of L.T.distribution box 9 way							
34	34	6000.00	Numbers	14.81	88860.00	AT Par	88860.00	
	<b>Description:-</b> Dismantaling of Existing poles, conductor, wires, all other fixtures etc. in all respect and handed over to concern MSEDCL office/store including transportation and obtain CRRM value of same from MSEDCL (PCC poles & structure etc not required to deposit at MSEDCL store will not been measured for payment)							

### 3. ITEM BREAKUP

No item break up added
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### 4. ELIGIBILITY CONDITIONS

<b>Important</b> All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only
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#### Special Financial Criteria

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

#### Special Technical Criteria

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

### 5. COMPLIANCE

<b>Important</b> All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.
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#### Check Lst

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

**Commercial-Compliance**

<b>S.No.</b>	<b>Description</b>	<b>Confirmation Required</b>	<b>Remarks Allowed</b>	<b>Documents Uploading</b>
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)

**6. Documents attached with tender**

<b>S.No.</b>	<b>Document Name</b>	<b>Document Description</b>
1	GAD_Rly_Portion_ROB_No_2.pdf	GAD for Railway Portion
2	GAD_Appr_Portion_ROB_No_2sheet1of3.pdf	GAD for Approach Portion 1 of 3
3	GAD_Appr_Portion_ROB_No_2sheet2of3.pdf	GAD for Approach Portion 2 of 3
4	GAD_Appr_Portion_ROB_No_2sheet3of3.pdf	GAD for Approach Portion 3 of 3
5	Tender_Document_for_ROB_No_2.pdf	Tender Document for ROB no 2
6	NIT_for_ROB_No_2.pdf	NIT for ROB No 2

**Signed By: JAGDISH VIJAY RATHOD****Designation : DYPM**