

eProcurement System Government of India Created By: Prakash Kumar Behera Created Date/Time: 19-Jun-2025 12:31 PM Tender Title: Rehabilitation of Railway Over Bridge at Rayagada from Ch. 202.175 to Km. 202.790 and Nagavali River bridge from Km. 192.797 to Km. 193.050 of NH326 under item rate contract in the State of Odisha. Tender ID: 2025_MoRTH_857145_2						
Tender inviting Authority: CCE, Southern NH Circle, Berhampur						
Name of Work: Rehabilitation of Both Railway Over Bridge at Rayagada From Km. 202/175 to Km. 202/790 Km. and Nagavali River Bridge from Km. 192/797 to Km. 193/050						
Contract No: 02 /CCE NH, SOUTH of 2025-26						
SCHEDULE OF WORK / ITEM(S)						
Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	MSC Roads And Bridges Private Limited (GSTN-NA) BID ID -3220509	
					Rate	Amount
1.00	ROB, Rayagada- Removal of existing asphaltic wearing coat comprising of 50 mm thick asphaltic concert laid over 12 mm thick mastic asphalt . Add 5% for Curve Portion of ROB	3594.15	Sqm	1.00	50.00	179707.50
2.00	Removal of existing cement concrete wearing coat including its disposal complete as per Technical Specification without causing any detrimental effect to any part of the bridge structure and removal of dismantled material with all lifts and lead upto 1000 m.	3594.15	sqm	1.00	100.00	359415.00
3.00	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means.Prior to laying of Bituminous Concrete over old concrete surace on ROB	3594.15	sqm	1.00	50.00	179707.50
4.00	Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects.	215.83	cum	1.00	16600.00	3561195.00
5.00	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm. On the prepared bituminous/granular surface cleaned with mechanical broom for road & Bridge works of Ministry of road transport & Highways (4th revision) & direction of Engineer-in-charge.	5249.39	sqm	1.00	15.00	78740.85

L1 Amount	L1 Vendor
179707.50	MSC Roads And Bridges Private Limited
359415.00	MSC Roads And Bridges Private Limited
179707.50	MSC Roads And Bridges Private Limited
3561195.00	MSC Roads And Bridges Private Limited
78740.85	MSC Roads And Bridges Private Limited

6.00	Providing and laying 25 mm thick mastic asphalt wearing course on top of deck slab excluding prime coat with paving grade bitumen meeting the requirements given in table 500-29, prepared by using mastic cooker and laid to required level and slope after cleaning the surface, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of 8.5 mm nominal size at the rate of 0.005cum per 10 sqm and at an approximate spacing of 10 cm center to center in both directions, pressed into surface when the temperature of surfaces not less than 100 deg. C, protruding 1 mm to 4 mm over mastic surface, all complete as per clause 515.	3594.15	Nos	1.00	1700.00	6110055.00
7.00	Dismantling and Removal of Damaged Concrete Railing.	912.80	rmt	1.00	200.00	182580.00
8.00	Construction of RCC railing of M30 Grade in-situ with 20 mm nominal size aggregate, true to line and grade, tolerance of vertical RCC post not to exceed 1 in 500, centre to centre spacing between vertical post not to exceed 2000 mm, leaving adequate space between vertical post for expansion, complete as per approved drawings and technical specifications.	912.80	rmt	1.00	4400.00	4016320.00
9.00	Dismantling & removing R.C.C. Columns, beams, slab, staircase landing lintels including stacking the useful material for reuse and removing the debris within 50 meter lead.	95.84	cum	1.00	600.00	57504.00
10.00	RCC work of M-25 grade with 20mm & down-grade size black hard granite(crusher broken) chips including hoisting&laying.	161.99	cum	1.00	8100.00	1312119.00
11.00	Supplying, fitting and placing HYSD bar reinforcement in super-structure complete as per drawing and technical specifications..	12419.77	kg	1.00	90.00	1117779.30
12.00	Replacement of Expansion Joints complete as per drawings by single strip seal expansion joint..	420.00	rmt	1.00	5000.00	2100000.00
13.00	Providing and laying of a strip seal expansion joint catering to maximum horizontal movement upto 70 mm, complete as per approved drawings and standard specifications to be installed by the manufacturer/supplier or their authorised representative ensuring compliance to the manufacturer's instructions for installation.40 nos.of expansion joint	420.00	rmt	1.00	15000.00	6300000.00
14.00	Priming 1-coat with any approved primer including all labouretc complete.	2190.72	sqm	1.00	100.00	219072.00
15.00	Providing weather coat painting 2 coat to the old surfaces over a coat of primer with all cost.	13268.50	sqm	1.00	135.00	1791247.50
16.00	Painting 2-coats with Synthetic enamel paint of approved shade on new work over a coat of primer to give an even shade	575.12	sqm	1.00	200.00	115024.00

6110055.00	MSC Roads And Bridges Private Limited
182580.00	MSC Roads And Bridges Private Limited
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1117779.30	MSC Roads And Bridges Private Limited
2100000.00	MSC Roads And Bridges Private Limited
6300000.00	MSC Roads And Bridges Private Limited
219072.00	MSC Roads And Bridges Private Limited
1791247.50	MSC Roads And Bridges Private Limited
115024.00	MSC Roads And Bridges Private Limited

17.00	Providing Laying of Hot applied Thermoplastic compound 2.5mm thick including Reflectorising glass beads @ 250grm per sqm. Thickness of 2.5mm each exclusive of surface applied glass beads as per IRC-35. Finished surface to be laid uniform and free from streaks and holes including with cost, conveyance, royalty, taxes of all materials, all labours, T&P sundries etc. complete as per MoRT&H Specification (4th Revision) clause-803 and direction of Engineering-in-charge.	209.79	sqm	1.00	600.00	125874.00
18.00	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. CIRCULAR SIGN BOARD	14.00	NOS	1.00	6900.00	96600.00
19.00	Triangular SIGN BOARD	8.00	NOS	1.00	6256.30	50042.40
20.00	Rectangular SIGN BOARD	8.00	NOS	1.00	6200.00	49600.00
21.00	Applying epoxy mortar over leached, honey combed and spalled concrete surface and exposed steel reinforcement complete as per Technical Specification	300.00	sqm	1.00	400.00	120000.00
22.00	Sealing of crack / porous concrete with Epoxy Grout by injection through nipples complete as per clause 2803.1.	200.00	kg	1.00	600.00	120000.00
23.00	NAGAVALI BRIDGE AT JK PUR- Removal of existing cement concrete wearing coat including its disposal complete as per Technical Specification without causing any detrimental effect to any part of the bridge structure and removal of dismantled material with all lifts and lead upto 1000 m.	937.50	sqm	1.00	50.00	46875.00
24.00	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means.	937.50	sqm	1.00	55.00	51562.50
25.00	Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 508 complete in all respects.	63.50	cum	1.00	17000.00	1079500.00
26.00	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm. On the prepared bituminous/granular surface cleaned with mechanical broom for road & Bridge works of Ministry of road transport & Highways (4th revision) & direction of Engineer-in-charge.	1587.50	sqm	1.00	15.00	23812.50

125874.00	MSC Roads And Bridges Private Limited
96600.00	MSC Roads And Bridges Private Limited
50042.40	MSC Roads And Bridges Private Limited
49600.00	MSC Roads And Bridges Private Limited
120000.00	MSC Roads And Bridges Private Limited
120000.00	MSC Roads And Bridges Private Limited
46875.00	MSC Roads And Bridges Private Limited
51562.50	MSC Roads And Bridges Private Limited
1079500.00	MSC Roads And Bridges Private Limited
23812.50	MSC Roads And Bridges Private Limited

27.00	Providing and laying 25 mm thick mastic asphalt wearing course on top of deck slab excluding prime coat with paving grade bitumen meeting the requirements given in table 500-29, prepared by using mastic cooker and laid to required level and slope after cleaning the surface, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of 9.5 mm nominal size at the rate of 0.005cum per 10 sqm and at an approximate spacing of 10 cm center to center in both directions, pressed into surface when the temperature of surfaces not less than 100 deg. C, protruding 1 mm to 4 mm over mastic surface, all complete as per clause 515.	937.50	sqm	1.00	1790.00	1678125.00
28.00	Replacement of Expansion Joints complete as per drawings by single strip seal expansion joint.	30.00	rmt	1.00	5000.00	150000.00
29.00	Providing and laying of a strip seal expansion joint catering to maximum horizontal movement upto 70 mm, complete as per approved drawings and standard specifications to be installed by the manufacturer/supplier or their authorised representative ensuring compliance to the manufacturer's instructions for installation. 06 NOS.EXPANSION JOINT	45.00	rmt	1.00	15000.00	675000.00
30.00	Priming 1-coat with any approved primer including all labouretc complete.	250.00	sqm	1.00	100.00	25000.00
31.00	Providing weather coat painting 2 coat to the old surfaces over a coat of primer with all cost.	500.00	sqm	1.00	200.00	100000.00
32.00	Providing Laying of Hot applied Thermoplastic compound 2.5mm thick including Reflectorising glass beads @ 250grm per sqmt. Thickness of 2.5mm each exclusive of surface applied glass beads as per IRC-35.Finished surface to be tabled uniform and free from streaks and holes including with cost,conveyance, royalty, taxes of all materials ,all labours, T&P sundries etc. complete as per MoRT&H Specification (4th Revision) clause-803 and direction of Engineering-in-charge.	63.27	sqm	1.00	600.00	37962.00
33.00	fixing Drainage Spouts complete as per drawing and Technical specification	48.00	nos	1.00	2700.00	129600.00
34.00	Applying epoxy mortar over leached, honey combed and spalled concrete surface and exposed steel reinforcement complete as per Technical Specification	250.00	sqm	1.00	400.00	100000.00
35.00	Sealing of crack / porous concrete with Epoxy Grout by injection through ripples complete as per clause 2803.1.	175.00	kg	1.00	600.00	105000.00

1678125.00	MSC Roads And Bridges Private Limited
150000.00	MSC Roads And Bridges Private Limited
675000.00	MSC Roads And Bridges Private Limited
25000.00	MSC Roads And Bridges Private Limited
100000.00	MSC Roads And Bridges Private Limited
37962.00	MSC Roads And Bridges Private Limited
129600.00	MSC Roads And Bridges Private Limited
100000.00	MSC Roads And Bridges Private Limited
105000.00	MSC Roads And Bridges Private Limited

Total in Figures

32445000.05

Lowest Amount Quoted BY: MSC Roads And Bridges Private Limited(32445000.05)

The quoted rate of MSC Roads And Bridges Private Limited, amounting to Rs.3,24,45,000.00 (including GST) (Rupees Three Crore Twenty Four Lakhs Forty Five Thousand) only i.e. 2.013% excess to the estimated cost put to tender Rs.3,18,04,570.00 (including GST) is recommended for acceptance as per EFile no.- RW/NH-33044/25/2024-S&R (P&B) (Computer No.-240989) dated 28.08.2024 of MoRT&H, New Delhi by Chief Engineer, National Highways (Odisha), Bhubaneswar being the next higher authority as per clause-29 of OPWD Code Vol-II & as per Para 3.5.18 Notes (iii) of OPWD code Vol-I as this is a case of single responsive bidder in forth call of tender.

Mast
19/6/25
P.A TO Chief Construction Engineer
Southern N.H Circle, Berhampur

Sth
19/6/25
SUPERINTENDING ENGINEER
NH DIVISION SUNABEDA

Wkt
19/6/25
DIVISIONAL ACCOUNTANT
NH DIVISION SUNABEDA

Wkt
19/6/25
Chief Construction Engineer
Southern N.H Circle, Berhampur