

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000

बिहार BIHAR

9 FEB 2024

Agreement

Agreement No :- MBD/MR-3054/-15 of 2023-24

Name of work :- (1) Mohari REO Road to Mohari Muslim tola
Primary MMGSY School via Kadam Chowk.
(2) Mohari REO Road via Maharani to Mushar Tola.
(3) L035 Bisahi to Mali Pokhar Bhinda (VR22).

Name of Agency :- Santosh Singh, Vill-Mohari, PO-Kamrauli, PS-
Tariyani, Dist- Sheohar. Pin-843329, Mo-
8521021094, PAN-DKKPS0054P, Reg-2160968
Email-santoshsinghstm2016@gmail.com

Date of Start :- 13.3.24

Date of Completion :- 12.12.24

SD :- 17,48,900.00

A.P.G :- 0.00

Total :- 17,48,900.00

This Agreement, made on the 13th March Day of 2024 Months between Executive Engineer, Rural works Department, Works Division, Sheohar of the one part and Santosh Singh, Vill-Mohari, PO-Kamrauli, PS- Tariyani Dist- Sheohar. Whereas the Employer is desirous that the Contractor execute the work under MR-3054 Construction & CD Work of (1) Mohari REO Road to Mohari Muslim tola Primary MMGSY School via Kadam Chowk (2) Mohari REO Road via Maharani to Mushar Tola (3) L035 Bisahi to Mali Pokhar Bhinda (VR22) and the Employer has accepted the Bid by the Contractor for the execution and completion of such works and the remedying of any defects therein at a cost of Rupess- 3,49,77,998.00 (Three Crore Forty Nine Lacs Seventy Seven Thousand Nine Hundred Ninety Eight only)

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(Signature)

13.3.24
Rural Works Division
Sheohar

NOW THIS AGREEMENT WITNESSETH as follows.

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the conditions of Contract hereinafter referred to and they shall be deemed to form and be read and construed a part of this agreement.
2. In consideration of the payment to be made by the employer to the Contractor as herein after mentioned, the Contractor hereby covenants with employer to execute and complete the work and remedy any defects therein conformity in all aspects with the provision of the Contractor.
3. The Employer hereby covenants to pay the contractor in consideration of the execution and completion of the works and the remedying the defects wherein the contract price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following document shall be deemed to form and be read and construed as part of this Agreement viz.

- (i) Letter of Acceptance
- (ii) Notice to proceed with the works
- (iii) Contractor's Bid
- (iv) Contract Data
- (v) Special conditions of contract and general conditions of contract.
- (vi) Additional condition
- (vii) Drawings
- (viii) Bill of Quantities and
- (ix) Any other document listed in the contract data as forming part of the contract.

In witness, where of the parties there to have caused this Agreement to be executed the day and year first before written.

The Common seal of

Was hereunto affixed in the presence of

Signed, Sealed and Delivered by the said

In the presence of

Binding Signature of Employer

Binding Signature of Contractor

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(Signature)

13/3/24
13/3/24

MR-3054

BILL OF QUANTITIES (BOQ)

of Mohari REO road via Mahrani to Mushar Tola		District : Sheohar			
Block	Sheohar	Unit	Qty	Rate	Amount
Length	2.57 km				
Sl. No.	Description of Items	Unit	Qty	Rate	Amount
SCHEDULE A					
1	Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I	Ha	0.51	76926.08	39232.30
2	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.	Cum	464.00	264.72	122830.08
3	Granular Sub-base with Well Graded Material (Grade 2) : Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	Cum	86.09	2735.28	235480.26
4	Water Bound Macadam with Stone Screening Gr-II : Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.	Cum	43.92	5912.56	259679.64
5	Water Bound Macadam Gr-III : Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	Cum	61.90	5627.17	348321.82
6	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	Sqm	825.27	57.04	47073.40
7	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydnoc broom as per technical specification clause 503.	Sqm	4355.63	19.60	85370.35
8	Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 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.	Cum	108.89	14794.50	1609973.11

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Mohari RCO road via Mahrauli to Mushar Tola				
Sheohar		District : Sheohar		
Sl. No.	Description of Items	Unit	Qty	Amount
9	Construction of dry lean cement concrete sub-base over a prepared sub-grade with coarse and fine aggregates conforming to IS:383, the size of coarse aggregate not exceeding 25mm, aggregate cement ratio not to exceed 15:1 aggregate gradation after blending to be as per table 800-1 cement content not to be less than 150kg/cum optimum moisture content to be determined during trial length construction, concrete strength not be less than 10 MPa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.	cum	27.45	6159.10
10	Construction of Panel concrete plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M 30(Grade) coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design laid in approved fixed side formwork (steel channel laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing) spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge culvert and construction joints, admixture as approved, curing of concrete slabs for 14 days, Curing compound (where specified) and water finishing to lines and grade as per drawing and Technical specification Clause 1501, PCC Grade M-30 Each Panel 10.50X6.50 thickness 100 mm	cum	665.63	10007.70
11	Kilometre stone			
	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and painting, etc as per drawing and technical specification clause 1703	No.	3.00	3243.00
	(a) Km stone	No.	10.00	872.44
	(b) 200 m stone	No.		
12	Retro-reflectors Traffic Signs Providing and erecting direction and place identification retro-reflectors sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701.	Sqm	1.92	15299.40
13	Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 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 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801	No.	9.00	4587.22
	600 mm equilateral & triangle	No.	3.00	4439.54
	600 mm circular	No.	5.00	4295.00
	600 mm x 450 mm rectangular	No.	2.00	6784.37
	900 mm side octagon	No.		
14	Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year	Each	58.00	1305.10
15	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes.			

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of Mohari REO road via Mahrauli to Mushar Tola		District :	Sheohar		
Sheohar					
Length :	2.57 km				
1	At Edge for BT Portion	Sqm	230.00	886.50	203865.00
2	Pedestrian Crossing(2 m in length and providing at 50 cm apart)	Sqm	18.00	886.50	15957.00
3	At Edge for CC Portion	Sqm	284.00	1005.95	285659.80
16	Providing and fixing of typical MMGSY informative sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All M.S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	No.	4.00	11897.21	47588.84
Cross Drainage Works/Protection/Repair					
17	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	Cum	29.80	405.83	12093.73
18	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 PCC M-15 Grade	Cum	4.60	8019.02	36887.49
19	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 PCC M-20 Grade	Cum	30.79	9191.09	282993.66
20	Providing and laying RCC pipe HP-3 for culverts on first class bedding of PCC M10 material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling concrete and masonry works in head walls and parapets as per clause 1106	m	7.50	6957.21	52179.08
21	Painting on Parapet Wall (Black & White Strips) Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701	Sqm	20.64	138.16	2872.26
22	Supplying, fitting and placing HYSD bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202	MT	0.00	73562.07	0.00
23	Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 RCC M-30 Grade	Cum	4.38	10557.29	46240.93
24	Supplying, fitting, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002, 1010 and 1202	MT	0.37	75327.47	27871.16
25	Parapet Construction Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (M20)	Cum	3.12	9191.09	28676.20
26	Painting on Parapet Wall (Black & White Strips) Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701	Sqm	21.76	138.16	3028.12
27	Drainage spouts complete as per drawing and technical specifications Clause 1209	Nos	4.00	1079.59	4318.36
28	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	96.32	240.73	23187.11

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of Mohari RED road via Mahrauli to Mushar Tola		District :		Sheohar	
Sheohar					
2.57 km					
29	Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new plastered / concrete surfaces as per drawing and Technical Specification Clause 1703	sqm	273.44	139.16	36051.91
30	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and 1208-4	cum	1.40	6218.64	8706.38
31	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202	Cum	2.25	585.72	1337.57
1	Cement Concrete	Cum	4.50	1735.27	7808.72
32	Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of brick masonry, including disposal of unserviceable material and stacking the serviceable material with all lift and lead of 1000 m as per Technical Specification Clause 202	Cum	24.75	321.93	7967.77
1	Cement mortar				0.00
Total					10933822.7
18 % GST					1968090.1
1% LABOUR CESS					109338.3
10% SEIGNIORAGE FEE				A	123900.0
Total Construction Cost					13135162.1
5 YEAR MAINTENANCE COST		Quarterly	20	69704.55	1714091.0
Total					1714091.0
18 % GST					308536.4
1% LABOUR CESS					17140.9
10% SEIGNIORAGE FEE				B	8741.3
Total Maintenance Cost					2049509.5
Grand Total Cost (A+B)					15184671.7

Adm
01/01/2023

Box Appended for Rs. 1,51,84,672.00 [Paper one Crane -
fifty one lakh eighty four thousand six hundred seventy
two only]. for total 1 to 36 (thirty six) items only

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