



बिहार BIHAR

Agreement

Agreement No :- MBD/MR-3054/-16 of 2023-24

Name of work :- (1) Belwa Ghat PWD Road Sugapipar via Rajdevi Sthan.
(2) L031-Minapur Balha L023 to sitalpatti Harijan tola (VR14).

Name of Agency :- Rakesh Kumar, Vill+PO-Piprahi Ward-03, PS-
Piprahi, Dist-Sheohar Pin-843334, PAN-
ARFPK4812L, Reg. 2160445, Email-
rksingh843334@gmail.com

Date of Start :- 15.03.2024

Date of Completion :- 14.12.2024

SD :- 17,90,350.00

A.P.G :- 89,517.00

Total :- 18,79,867.00

This Agreement, made on the 15 March Day of 2024 Months between Executive Engineer, Rural works Department, Works Division, Sheohar of the one part and Rakesh Kumar, Vill+PO+PS- Piprahi, Dist- Sheohar. Whereas the Employer is desirous that the Contractor execute the work under MR-3054 Construction & CD Work of (1) Belwa Ghat PWD Road Sugapipar via Rajdevi Sthan (2) L031-Minapur Balha L023 to sitalpatti Harijan tola (VR14) 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- 3,58,06,980.00 (Three Crore Fifty Eight Lacs Six Thousand Nine Hundred Eighty only)

Rakesh Kumar

Executive Engineer
R. W. D. 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

Rakesh Kumar

(Signature)
15/12/24

(Signature)
15/12/24
Executive Engineer
R. W. D. Works Division
Sheikhpur

Agreement

1. Name of work :- (1) Belwa Ghat PWD Road Sugapipar via Rajdevi Sthan.
(2) L031-Minapur Balha L023 to sitalpatti Harijan tola (VR14).
2. Agreement No. :- MBD/MR-3054/---15--- of 2023-24
3. Name of Agency :- Rakesh Kumar, Vill+PO-Piprahi Ward-03, PS-Piprahi, Dist-Sheohar Pin-843334, PAN-ARFPK4812L, Reg. 2160445, Email-rksingh843334@gmail.com
- (Belwa Ghat PWD Road Sugapipar via Rajdevi Sthan Const.-2,60,60,157.00+Maint.-42,90,780.00)
(L031-Minapur Balha L023 to sitalpatti Harijan tola (VR14) - Const.-45,10,387.00+Maint.-9,45,656.00)
4. Construction Cost :- 3,05,70,544.00
5. Maintenance Cost :- 52,36,436.00
- Total :- 3,58,06,980.00
6. Security Deposit :- SD :- 17,90,350.00
A.P.G :- 89,517.00
Total :- 18,79,867.00
7. Work allotted rate :- 0.07% Below
8. The Employer shall retain S.D. of 5 % (Five percent) the amount from each payment due to the contractor until completion of the whole of the construction work.
9. Date of written order to commence :- 15/3/24
10. Time required for the work from date of written order to Commence :- 09 Months. (Nine Months)
11. Total No. items:- 30+28=58 (Fifty Eight) (2 Road const+Maint)

Note- MBD Rules Terms and Conditions will be applicable

Rakesh Kumar
Contractor

(Signature)
15/3/24

(Signature)
15/3/24
Executive Engineer
R.W.D. Works Division
Sheohar.

MR-3054

BILL OF QUANTITIES (BOQ)

Belwa Ghat PWD Road Suga Pipar via Raj Devasthan

Piprahi

District :

Sheohar

Length : 5.410 km

No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
SCHEDULE A					
1	Cleaning 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	0.81	76926.08	62463.98
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	593.90	264.72	157217.21
3	<u>Granular Sub-base with Well Graded Material (Grade 2)</u> : 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	224.09	2777.18	622338.27
4	<u>Water Bound Macadam with Stone Screening Gr-II</u> : 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	190.65	6008.63	1145522.43
5	<u>Water Bound Macadam Gr III</u> : 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	286.19	5711.56	1634567.08
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	3815.81	57.06	217730.12
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 hydrilic broom as per technical specification clause 503.	Sqm	11025.00	19.60	216090.00

Ramesh Kumar

15/12/24

Executive Engineer,
R. W. D. Works Division
Sheohar
15-12-24

Belwa Ghat PWD Road Suga Pipar via Raj Devasthan

Piprah		District :		Sheohar	
5.410 km					
	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	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	275.63	14880.42	4101490.16
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 600-1 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	3.94	6285.95	24766.64
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 Caluse 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 (0.50X0.50) thickness 125 mm	cum	1157.81	10134.56	11733894.91
11	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and technical specification clause 1703.				
	5th km stone	No.	1.00	6378.04	6378.04
12	Km stone	No.	5.00	3276.93	16384.65
13	200 m stone	No.	21.00	878.47	18447.87

Kanish Kumar

Executive Engineer
R. W. D. Work's Division
Sheohar

of Belwa Ghat PWD Road Suga Pipar via Raj Devasthan				
Piprahi		District :		Sheohar
5.410 km				
No.	Description of Work	Unit	Rate	Amount
14	Retro-reflectorised Traffic Signs Providing and erecting direction and place identification retro-reflectorised 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	2.88	15230.65
15	Providing and fixing of retro-reflectorised cautionary, mandatory and informatory 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			
	600 mm equilateral & triangle	Nos	10.00	4613.10
	600 mm circular	Nos	4.00	4455.41
16	600 mm x 450 mm rectangular	Nos	4.00	4310.88
17	600 mm x 450 mm rectangular	Nos	4.00	8780.24
18	900 mm side octagon	Nos	4.00	35120.96
19	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	147.00	1305.10
20	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.			
	At Edge for BT Portion	Sqm	588.00	886.50
21	Pedestrian Crossing (2 m in length and providing at 50 cm apart)	Sqm	36.00	886.50
22	At Edge for CC Portion	Sqm	494.00	1005.95
23	Providing and fixing of typical MGSY informatory 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	11928.96
Cross Drainage Works/Protection/Repair				

Ramesh Kumar

9575724

Executive Engineer,
R. M. E. Works Division
Sheohar

Belwa Ghat PWD Road Suga Pipar via Raj Devasthan					
Piprahi		District :	Sheohar		
5.410 km					
No.	Description of Work	Unit	Quantity	Rate	Amount
24	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	1130.72	139.16	157351.00
25	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	413.12	244.90	101173.09
26	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	4.58	6218.84	28482.29
Total					21694160.0
18 % GST					3904948.8
1% LABOUR CESS					216941.6
10% Seigniorage Fee					262491.3
Total Construction Cost(A)					26078541.7
SCHEDULE B					
27	5 YEAR MAINTENANCE COST	Quarterly	20.00	178531.15	3590623.0
Total					3590623.0
18 % GST					646312.1
1% LABOUR CESS					35906.2
10% Seigniorage Fee					20944.4
Total Maintenance Cost(B)					4293785.7
Grand Total Cost (A+B)					30372327.4

Adman
01.01.2024

Boq Approved for Rs. 3,03,72,327.00 [i.e. three thousand lakh seventy two thousand three hundred & twenty seven only].

for total 1 to 30 (thirty) items only.

Adman
01.01.2024

Karnesh Vignar

15/01/24
Executive Engineer,
P. & S. Work's Division
15/01/24