



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

*(Stamp)*  
15/3/24

*15/3/24*  
Executive Engineer  
R.W.D. Works Division  
Sheohar.

## MR-3054

## BILL OF QUANTITIES (BOQ)

of L031 Minapur Balha L023 to Sitalpatti Harijan Tola

Piprahi		District :	Sheohar		
Length :	0.930 km				
S. No.	Description of Items	Unit			
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	0.19	76,926.08	14615.96
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	412.96	264.72	109316.12
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	45.69	2,553.70	116678.55
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	31.69	5,496.79	174193.28
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	51.57	5,261.50	271335.56
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	687.59	57.08	39247.64
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 hydrilac broom as per technical specification clause 503.	Sqm	2,083.13	19.61	40850.18

For and on behalf of  
 (Signature)  
 15/11/24

Executive Engineer,  
 R. W. S. Works Division  
 Sheohar  
 15/11/24



of L031 Minapur Balha L023 to Sitalpatti Harijan Tola					
Piprahi		District :	Sheohar		
th :	0.930 km				
No.	ation of 1				
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	52.08	14,438.40	751951.87
9	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 100 mm	cum	179.91	9,838.05	1769963.58
10	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.	No.	1	3,205.13	3205.13
11	200 m stone	No.	4	865.71	3462.84
12	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	1.92	15,185.65	29156.63
13	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 1701.				
	600 mm equilateral & triangle	Nos	7	4,579.50	32056.50
14	600 mm circular	Nos	3	4,421.81	13265.43

Rakesh Kumar

15/12/24

Signature of Engineer  
P. Work's Division  
Sheohar  
15/3/24



of L031 Minapur Balha L023 to Sitalpatti Harlijan Tola				
Piprahi		District :	Sheohar	
Path :	0.930 km			
No.	Description of Item	Unit		
15	800 mm x 450 mm rectangular	Nos	4	4,277.28
16	900 mm side octagon	Nos	2	8,746.65
17	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	28	1,305.10
18	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	110	886.5
19	Pedestrian Crossing(2 m in length and providing at 50 cm apart)	Sqm	18	886.5
20	At Edge for CC Portion	Sqm	76	1,005.95
21	Providing and fixing of typical MMGSY 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	11,861.76
<b>Cross Drainage Works/Protection/Repair</b>				
22	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	282.64	139.16
23	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	100	243.94
24	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	1.93	6,218.84
<b>Total</b>				<b>3753544.5</b>
<b>18 % GST</b>				<b>675638.0</b>
<b>1% LABOUR CESS</b>				<b>37535.4</b>
<b>10% Seigniorage Fee</b>				<b>46829.2</b>
<b>Total Construction Cost(A)</b>				<b>4513547.1</b>
<b>SCHEDULE B</b>				
25	5 YEAR MAINTENANCE COST	Quarterly	20	39569.50
<b>Total</b>				<b>791390.0</b>
<b>18 % GST</b>				<b>142450.2</b>
<b>1% LABOUR CESS</b>				<b>7913.9</b>
<b>10% Seigniorage Fee</b>				<b>4563.5</b>
<b>Total Maintenance Cost(B)</b>				<b>946317.6</b>
<b>Grand Total Cost (A+B)</b>				<b>5459864.7</b>

Ramesh Kumar

Ramesh Kumar  
01/07/2024

15/3/24

Assistant Engineer  
O. Work's Division  
Sheohar  
15-3-24