



INDIA NON JUDICIAL Government of Bihar

e-Stamp

Certificate No. : IN-BR-2300334060
Certificate Issue Date : 23-Jun-2023 02:38 PM
GRN No. : BHR20230600761034E
Unique Doc Reference : EST-BR-4600-2300009765
Party Name : AJAY KUMAR
Purchased by : AJAY KUMAR
Purpose : NA Article no (NA)
Stamp Duty Paid (Rs.) : 1000 (One Thousand Only)
Reg. Fee (Rs.) : 0 (Zero Only)
LLR & P Fee (Rs.) : 0 (Zero Only)
Miscellaneous Fee (Rs.) : 0 (Zero Only)
Discore SC (Rs.) : 0 (Zero Only)
Total Amount (Rs.) : 1000 (One Thousand Only)

Agreement

Agreement No : - Sup. MBD/MR/---05----- of 2023-24
MBD/MR/05 of 2020-21 (Old Agreement No.)

Name of work :- (1) Sumahuti to Khurpatti.
(2) Phatehpur to Pojhiya Hiramma.
(3) Munshi Chowk to Vrindawan.

Name of Agency :- Ajay Kumar, At- Bakhari Gopal Chhapra via
Bakarpur, Dist- East Champaran, Pin-845401

Date of Start :- Revised Agreement Dated 9.8.23

SD :- 2,91,793.00

A.P.G :- 14,590.00

Total: - 3,06,383.00

This Agreement, made on the 9th August Day of 2023 Months between
Executive Engineer, Rural works Department, Works Division, Sheonar of the one part
and Ajay Kumar, At- Bakhari Gopal Chhapra via Bakarpur, Dist- East Champaran.
Wherein the Employer is desirous that the Contractor execute the work under MR-
3054 Construction & CD Work of (1) Sumahuti to Khurpatti (2) Phatehpur to Pojhiya
Hiramma (3) Munshi Chowk to Vrindawan 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 Rupees- 58,35,857.00 (Fifty Eight Lacs Thirty Five
Thousand Eight Hundred Fifty Seven only)

Ajay Kumar

(Signature)

Executive Engineer.
W. D. Work's Division
Sheonar

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

Ajay Kumar

Radhakrishnan
09.08.2023
Executive Engineer
R. V. D. Work's Division
Sheohar
9.8.23



FDR - PERMANENT RESTORATION
Revised BILL OF QUANTITIES (BOQ) - CONSTRUCTION

Name of road :- : - Sanauhati To Khurpatti
Length :- : - 2.650 km
Block :- : - Tariyani
Dist :- : - Sheohar

Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
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	Hect.	0.53	51,133.76	27100.89
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	1,113.00	176.86	196845.18
3	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	239.82	2,448.48	587194.47
4	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	89.24	4,225.30	377065.77
5	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	255.70	4,145.10	1059902.07
6	Prime Coat (Low porosity)-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	3,433.71	44.16	151632.63

Ajay Kumar

(Signature)
09/08/2023

(Signature)
09.08.2023
Executive Engineer,
R. & D. Work's Division
Sheohar



	Tack Coat -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 hydriloc broom as per technical specification clause 503.	Sqm	3,433.71	14.83	50921.92
8	Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type-A) or 13.2 mm to 0.9 mm (Type-B) aggregates using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 8-10 kN static roller and finishing to required level and grades as per Technical Specification Clause 509.	Sqm	3,433.71	210.32	722177.89
9	Tack Coat -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 hydriloc broom as per technical specification clause 503.	Sqm	9,937.50	12.42	123423.75
10	Semi-Dense Bituminous Concrete -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	248.44	11,272.91	2800641.76
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. i) km stone	No.	4	2,459.72	9838.88
	iii) 200 m stone	No.	10	646.72	6467.20
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	12,470.43	23943.23

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09.08.2023
Executive Engineer
R. W. P. Work's Division
Sheohar
9.8.23

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	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 i) 600 mm equilateral & triangle	No.	18	3,743.65	67385.70
	600 mm circular	No.	14	3,840.20	53762.80
	600 mm x 450 mm rectangular	No.	18	3,711.08	66799.44
14	Reinforced cement concrete M 15 grade boundary pillars/local stone of standard design as per IRC:25 fixing in position including finishing and lettering but excluding painting as per drawings and Technical Specification Clause 1704	No.	72	511.92	36858.24
15	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	133	819.92	109049.36
16	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads-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.	Sqm	530	735.44	389783.20
17	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.	2	9,609.79	19219.58
	Parapet				
18	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	17.28	5,213.04	90081.33
19	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	Sqm	120.96	182.2	22038.91

Abhay Kumar

09/07/23

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07.07.23
Executive Engineer,
R. W. D. Work's Division
& Sheohar
8.5.23

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	351.36	97.19	34148.68
Total Cost					7026282.89
1 % Labour					70262.83
12 % GST					843153.95
Cost of construction (A)					7939699.66
FIVE YEAR MAINTENANCE COST					
24	Maintenance for 1st year	Year	1.00	99294.00	99294.00
25	Maintenance for 2nd year	Year	1.00	279528.00	279528.00
16	Maintenance for 3rd year	Year	1.00	697009.00	697009.00
17	Maintenance for 4th year	Year	1.00	333296.00	333296.00
28	Maintenance for 5th year	Year	1.00	763677.00	763677.00
TOTAL COST					2172804.00
1 % Labour					21728.04
12 % GST					260736.48
Maintenance cost(B)					2455268.52
Grand Total Cost (A+B)					10394968.18

Radinak
01.06.2023

103,94,968.18

Boq Approved for Rs. 1,03,94,968.18 (Rupees one crore - three Lac Ninety four thousand, Nine hundred sixty eight only). for total 1 to 28 (twenty eight) items only

Signature
09/06/23

Radinak
09.06.2023
Executive Engineer,
R. W. D. Work's Division
Shaohar
8.8.23

Signature
13/06/23
अधीक्षक अभियन्ता
शाहीन कार्य विभाग, कार्य अवत
सीतामढ़ी
13/06/23

Ajay Kumar

Revised **FDR - PERMANENT RESTORATION**
BILL OF QUANTITIES (BOQ) - CONSTRUCTION

Name of road :- :- Phatehpur To Pohia hrama Road
Length :- :- 3.800 km
Block :- :- Tariyani
Dist :- :- Sheohar

Sl. No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
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	Hect.	0.76	51133.76	38861.66
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	1596.00	176.86	282268.56
3	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	448.67	2499.10	1121271.20
4	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	118.49	4189.44	496406.75
5	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	592.55	3995.40	2367474.27
6	Prime Coat (Low porosity)-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	7900.67	44.16	348893.59

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09.08.23
Executive Engineer,
R. W.D. Work's Division
Sheohar

8	Tack Coat -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 hydriloc broom as per technical specification clause 503.	Sqm	7900.67	14.83	117166.94
8	Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type-A) or 13.2 mm to 0.9 mm (Type-B) aggregates using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 8-10 kN static roller and finishing to required level and grades as per Technical Specification Clause 509.	Sqm	7900.67	210.32	1661668.91
9	Tack Coat -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 hydriloc broom as per technical specification clause 503.	Sqm	14250.00	12.42	176985.00
10	Semi-Dense Bituminous Concrete -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	356.25	11272.91	4015974.19
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. i) km stone	No.	5.00	2484.39	12421.95
	iii) 200 m stone	No.	15.00	651.10	9766.50
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	12485.82	23972.77

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09.08.23
Executive Engineer,
R. W. D. Work's Division
Sheohar
8.8.23

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 8 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 i) 600 mm equilateral & triangle	No.	20.00	3755.20	75104.00
	600 mm circular	No.	18.00	3851.74	69331.32
	600 mm x 450 mm rectangular	No.	20.00	3722.62	74452.40
14	Reinforced cement concrete M 15 grade boundary pillars/focal stone of standard design as per IRC:25 fixing in position including finishing and lettering but excluding painting as per drawings and Technical Specification Clause 1704	No.	60.00	513.93	30835.80
15	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	190.00	819.92	155784.80
16	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads-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.	Sqm	760.00	735.44	558934.40
17	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.	4.00	9632.88	38531.52
	Parapet				
18	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	14.40	5213.04	75067.78
19	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	Sqm	100.80	184.05	18552.24

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Abhishek

20/9/2023

20/9/2023

Executive Engineer,
R. W. D. Work's Division
Sheohar
20/9/23

22	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	292.80	89.20	26117.76
24	Total Cost				11795844.30
24	1 % Labour				117958.44
24	12 % GST				1415501.32
24	Cost of construction (A)				13329304.05
	FIVE YEAR MAINTENANCE COST				
24	Maintenance for 1st year	Year	1.00	133456.00	133456.00
24	Maintenance for 2nd year	Year	1.00	391413.00	391413.00
24	Maintenance for 3rd year	Year	1.00	988855.00	988855.00
24	Maintenance for 4th year	Year	1.00	468627.00	468627.00
24	Maintenance for 5th year	Year	1.00	1084504.00	1084504.00
	TOTAL COST				3066855.00
	1 % Labour				30668.55
	12 % GST				368022.60
	Maintenance cost(B)				3465546.15
	Grand Total Cost (A+B)				16794850.20

Ratnam
01.06.2023

= 16794850.00

Boq Approved for Rs. 167,94,850.00 (Rupees one crore sixty - seven Lakh ninety four thousands eight hundred fifty only) for total 1 to 28 (twenty eight) items only.

(Signature)
09/06/23

Ratnam
09.06.2023
Executive Engineer.
R. W. D. Work's Division
Sheohar
8923

अधीक्षक अभियन्ता
सिवाजी नगर विकास विभाग, कार्य अचल
सीतामढ़ी
13/06/2023
13/6/23

Ratnam