



बिहार BIHAR

कोषागार बजट

14 DEC 2023

कोषागार पदाधिकारी

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कुमार नितीन एच बाबु टोल रोड गांव कोठी सिंघा
कोषागार

AV 811912

Sanjay Kr. Mishra
STAMP VENDER, PURNEA
No -236/97

MMGSY-(SC)
Supplementary Agreement
(Due to GST Revised)

Supplementary Agreement No.- 26 SBD/2023-24
Main Agreement No. & Date :- 05SBD/2020-21
Name and firm of Contractor :- Kumar Nitin
Name of Work :- Construction & Maintenance of Road from
Sikandarpur to Dogra Sikandarpur Uttar
Main Agreement Value :- Rs. 1,12,69,672.00
Supplementary Agreement Value :- Rs. 4,80,739.00
Total Agreement Value :- Rs. 1,17,50,411.00
Date of Agreement :- 26.04.2021
Date of Completion :- 25.04.2022 (As per Main Agreement)
Contract Rate :- 0.77% Below

This agreement, made the _____ day _____ 2023 between
Executive Engineer, Rural Work Division, Works Division, Purnea of the one part, and
Kumar Nitin, Balu Tol, Nirpur, B. Kothi, Purnea Whereas the Employer is desirous that
the Contractor execute Construction & Maintenance of Road from Sikandarpur to Dogra
Sikandarpur Uttar 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 such as 5
years Routine Maintenance as a cost of Rs. 1,17,50,411.00 (Rupees One Crore Seventeen
Lakh Fifty Thousand Four Hundred Eleven) only.

Kumar Nitin

EXECUTIVE ENGINEER
RURAL WORK'S DEPARTMENT
WORK'S DIVISION, PURNEA

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22/12/23

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this agreement, words and expressions 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 as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
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 documents 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) Specifications;
 - 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 thereto have caused this Agreement to be executed the day and year first before written.

5. Date of Commencement :-

6. Date of Completion :-

7. Contract Rate :-

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 _____

Kumar Nitin

22/11/23
EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT
WORKS DIVISION, PURNEA
21/11/23

Tender Inviting Authority: Engg-in Chief RWD Patna

Name of Work: Construction of Road & CD Works Under :

NAME OF ROAD :
CONSTRUCTION &
MAINTENANCE OF ROAD
FROM SIKANDARPUR TO
DOGRA SIKANDARPUR
UTTAR

BLOCK :- PURNEA EAST

DIVISION :- PURNEA

Bidder
Name:

Excess (+)

%

BOQ

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
1	Providing & Fixing of Working benchmark/Reference Pillars 01 nos. per km & 04 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I				
	Benchmark Pillars 01 nos. per Km	2.000	Nos.	4010.050	8020.100
	Reference Pillars 04 nos. per Km	5.000	Nos.	1831.770	9158.850
2	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	0.920	Hac	52970.330	48732.700
3	Box Cutting:- Excavation for roadway in soil using manual means for carrying of cut eath to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical specification Clause 302.3	32.000	Cum	75.570	2418.240

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EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT
RURAL WORKS DIVISION, PURNEA
21/11/23

S. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
4	Construction of embankment with approved material deposited from road way cutting and excavation from drain and foundation of other structures and excavated with an average lead of 50 m graded and compacted to meet requirement of tables 300.1 and 300.2 as per technical specification clause 301.5 (Including Royalty & Labour Cess).	19.200	Cum	26.680	512.260
5	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m , transporting to the site spreading , grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 100 m as per Technical Specification Clause 301.5 . (Including Royalty & Labour Cess).	496.420	Cum	143.200	71087.340
6	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m , transporting to the site spreading , grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5 . (Including Royalty & Labour Cess).	1419.240	Cum	190.360	270166.530
7	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. (Including Royalty & Labour Cess).	2263.040	Cum	192.040	434594.200
8	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.	750.030	Cum	2649.860	1987474.500

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EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT
WORKS DIVISION, PURNEA

	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
9	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.	378.670	Cum	3251.610	1231287.160
10	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 0.90-1.2 kg/sqm using mechanical means as per Technical Specification Clause 502.	2773.130	Sqm	44.200	122572.350
11	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.	2773.130	Sqm	15.110	41901.990
12	Providing, laying and rolling of close-graded Mix Seal surfacing material of 20 mm thickness composed of 11.2 mm to 0.09 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	2773.130	Sqm	199.850	554210.030

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Kumar Nitin

EXECUTIVE ENGINEER
RURAL WORK'S DEPARTMENT
WORK'S DIVISION, PURNEA

	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
13	Cement Concrete Pavement. Construction of un-reinforced, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any type as per Clause 1501.2.2 M25(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, 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, construction joints, admixtures as approved, curing of concrete slabs for 14 days, using curing compound (where specified) and water finishing to lines and grade as per drawing and Technical Specification Clause 1501 Unit=cum	364.140	Cum	6407.590	2333259.820
14	Hard Shouldring :- Laying brick soling layer on prepared sub-grade with brick on end edging according to lines, graded and cross section shown on the drawing filling joints with sand and earth, spreading 25 mm thick layer of earth over brick soling watering and rolling the same with three wheel road roller 80-100 kN as per Technical Specification Clause 412.	595.000	Sqm	507.590	302016.050
	Kilometre Stone				
15	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.				
	ii) Km stone	3.000	Each	2118.980	6356.940
	iii) 200 mt Stone	5.000	Each	587.240	2936.200

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RURAL WORK'S DEPARTMENT
WORK'S DIVISION, PURNIA
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	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
16	(III) Providing and Fixing 'Logo' of MMGSY Project Providing and fixing Logo MMGSY of typical Project 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	4.000	Each	9603.740	38414.960
17	Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawings and Technical Specification Clause 1701	132.000	Per cm height per letter	0.540	71.280
18	Boundary Pillar :- Reinforced cement concrete M15 grade Boundary pillar /local stone of standard design as per IRC:25 fixing in position including finishing and letter but excluding painting as per drawing and Technical Specification Clause 1704	24.000	Nos.	498.850	11972.400

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RURAL WORK'S DEPARTMENT
WORK'S DIVISION, PURNEA

	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
19	Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign board 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 M 15 grade cement concrete 45 cm x 45 cm x 6 cm, 60 cm below ground level as per proved drawing clause 1701.2.2.				
I	600 mm equilateral & triangle, OR	12.000	Each	3667.360	44008.320
II	600 mm circular, OR	2.000	Each	4892.210	9784.420
III	600 mm x 600 mm rectangular, OR	4.000	Each	6792.190	27168.760
IV	600 mm x 450 mm rectangular, OR	4.000	Each	4766.830	19067.320
V	900 mm octagon, OR	2.000	Each	8643.940	17287.880
20	Providing and laying of hot applied (Thermoplastic compound 2.5 mm thick including reflectorising glass beads @250gms 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 streaks and holes Road marking BT	145.000	Sqm	721.950	104682.750
21	Providing and laying of hot applied (Thermoplastic compound 2.5 mm thick including reflectorising glass beads @250gms 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 streaks and holes Road marking CC	119.000	Sqm	810.760	96480.440
22	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	72.500	Each	844.590	61232.780
	HUME PIPE CULVERT				

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EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT
WORKS DIVISION, PUNE
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Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT
			Figure	Rs. P
Earthwork in excavation for structures:- Earth work in excavation for foundation of structure upto 3.0 m depth as per drawing and technical specification Clause 1104.	60.500	Cum	279.090	16884.950
Providing M-15 (PCC 1:2.5:5) as levelling course in Foundation : - Providing PCC M-15 (1:2.5:5) concrete to plain concrete in open foundation complete as per drawing and technical specification Clause 802, 803 1202 & 1203. (PCC-15) Nominal Mix (1:2.5:5)	9.800	Cum	5071.250	49698.250
Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (M - 20)	67.480	Cum	5816.440	392493.370
Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular 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 Clause 1106.	15.000	Rm	3518.800	52782.000
Painting Parapet Wall (Black & White) 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	41.280	Sqm	100.760	4159.370
BOX CULVERT (2.0 X 2.0)				
FOUNDATION				
Earthwork in excavation for structures:- Earth work in excavation for foundation of structure upto 3.0 m depth as per drawing and technical specification Clause 1104.	115.120	Cum	279.090	32128.840
Providing concrete to plain/reinforcement concrete in open foundation complete as per drawing and technical specification Clause 802, 803 1202 & 1203. (PCC M-15) Grade	8.300	Cum	5071.250	42091.380

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EXECUTIVE ENGINEER
RURAL WORK'S DEPARTMENT
WORK'S DIVISION, PURNEA
22/12/23

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
Providing concrete to plain/reinforcement concrete in open foundation complete as per drawing and technical specification Clause 802, 803 1202 & 1203. (PCC M-20) Grade	33.400	Cum	5617.090	187610.810
Supplying, fitting and placing HYSD bar reinforcement in foundation complete as per drawings and technical specifications Clauses 1000 and 1202	0.160	MT	51297.870	8207.660
SUB-STRUCTURE				
Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 PCC M-20)	16.250	Cum	5816.440	94517.150
Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7	36.000	Nos.	109.990	3959.640
Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (RCC M-25) Grade	12.530	Cum	6419.390	80434.960
Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	1.230	MT	51443.860	63275.950
Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 (Sandy Material)	32.980	Cum	752.080	24803.600

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EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT
WORK'S DIVISION, PURNEA
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	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT	
					Rs.	P
37	Providing and laying filter media with granular crushed aggregates as per specification to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and providing over the entire surface behind abutment, wing wall, return wall to the full height, compacted to firm condition complete as per drawing and technical specification Clause 1204.3.8	22.880	Cum	2932.460	67094.680	
	SUPERSTRUCTURE					
38	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	4.350	Cum	6983.020	30376.140	
39	Supplying, fitting, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002, 1010 and 1202	0.370	MT	52573.780	19452.300	
40	Parapet Construction :- Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (M-20)	1.200	Cum	5816.440	6979.730	
41	Painting Parapet Wall (Black & White) 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	8.960	Sqm	100.760	902.810	
42	Drainage spouts complete as per drawing and technical specifications Clause 1209	4.000	Nos.	422.260	1689.040	
	Irrigation Pipe (300 mm Dia)					

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RURAL WORKS DEPARTMENT
WORKS DIVISION, PURNEA
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	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT
				Figure	Rs. P
	Cable Duct Across the Road: Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road new construction extending from drain to drain in cuts and toe of slope to toe of slope fill, construction head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC: 98-1997 bedded on a 0.3 m thick layer of granular materials free of rock pieces, outer to outer distance of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98-1997 and approved drawing.	30.000	Rm	870.210	26106.300
	DISMENTELING				
1	Dismantling of existing structures, like culverts, bridge, retaining wall and other structures comprising of brick masonry including unserviceable material and stacking the serviceable material with all lift and lead of 1000m as per technical specification clause 202.				
	Cement Concrete	1.560	Cum	497.810	776.580
	Reinforced Cement Concrete	1.680	Cum	1128.620	1896.080
5	Dismantling of existing structures, like culverts, bridge, retaining wall and other structures comprising of brick masonry including unserviceable material and stacking the serviceable material with all lift and lead of 1000m as per technical specification clause 202.				
	Cement Mortar	55.440	Cum	235.980	13082.730
5	Removing all types of Hume pipes and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202.				
	Above 600 mm to 900 mm Dia Hume Pipe	5.000	Rm	244.920	1224.600
	Total Cost		Rs		9079505.490

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Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
Add GST @ 18%		Rs		1525225 1634311.000
Add Labour Cess @ 1%		Rs		90795.050
Add Seigniorage Fee @ 10%		Rs		141144.080
Total Construction Cost (A)		Rs		1033669.62 10945755.620
5 YEARS ORDINARY MAINTENANCE COST				
I st Year		Year		46580.000
II nd Year		Year		58346.000
III rd Year		Year		286611.000
IV th Year		Year		101630.000
V th Year		Year		319906.000
Sub - Total (B)		Rs		813073.000
Add GST @ 18%		Rs		146353.000
Add Labour Cess @ 1%		Rs		8130.730
Add Seigniorage Fee @ 10%		Rs		37364.450
Total (B)		Rs		1004922.180
Grand Total (A+B)		Rs		11841591.8 11950677.800
As per Aggrement Below @ 0.77 % =				11750911.54 11858658.000
Total Cost of Project (in Lakh)=		Rs		117.509 118.587
Rate in Words				

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RURAL WORK'S DEPARTMENT
WORK'S DIVISION, PURNEA 07/11/23

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EXECUTIVE ENGINEER
RURAL WORK'S DEPARTMENT
WORK'S DIVISION, PURNEA 22/11/23

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B.O.D. revised due to GST enhancement 12% to 18%

Revised B.O.D. approved for amount Rs 117,50,411.00 (Rupees one crore seventeen lacs fifty thousand four hundred & eleven) only.

अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, पूर्णियाँ

16/12/23