



This Supplementary agreement made on 31.8.2020-21 between Executive Engineer, R.W.D. works Division Baisi of the one part & Taksir Alam, Lal tola, Amour, Baisi, Purnea Herein after called the contractor of the other part. Whereas the Employer has accepted the Difference amount of sanctioned 18% revised rate @ 18% sanctioned by the Superintending Engineer, Rural works department, Works circle Purnea via Letter Number MD. Shamim Ahmad Ansari S.V. Baisi, Purnea No. 230/95 Dated 10.04.2024 for **Rupees 3,37,279.00 (Rupees Three Lakhs Thirty Seven Thousand Two Hundred Seventy Nine Only)** as illustrated below:-

SI NO	Name of the road	Previously Approved Agreement(with below - 0.05%)as per Work Done	Approved Agreemented Value including 18 % GST(with below - 0.02%) as per Work Done
1	Naya Haripur To Parwan Tola Tender Id:- 90404	1,30,75,552.00	1,33,17,182.00
Total		1,30,75,552.00	1,33,17,182.00
Difference Amount		3,37,279.00	
Total Value of Agreement After Approval of 18% GST for the Above Road(1+2) [Original + Suppl.] Agreement		1,33,17,182.00	

ie Rupees One Crore Thirty Three Lakhs Seventeen Thousand One Hundred Eighty Two Only

In this Agreement, Words and expression shall have the same meanings as are respectively assigned to them in the Condition of contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.

MD. Shamim Ahmad Ansari
Executive Engineer
R.W.D. Works Division
Baisi

NOW THIS AGREEMENT WITNESSETH as follows :-

1. The following documents shall be deemed to form and be ready and construed as part of this Agreement, Viz.

- Letter of Superintending Engineer RWD works Circle ,Purnea
- BOQ Approved
- Original Agreement

It is expressly acknowledged and agreed by both parties that this supplementary agreement is intended to address specific aspects related to the GST claim, rest portion of execution, and maintenance of road, and it shall not in any way alter, modify, or affect the terms and conditions stipulated in the original agreement dated [Original Agreement Date]_____.

The original agreement remains in full force and effect, and any provisions not explicitly addressed in this supplementary agreement shall be governed by the terms of the original agreement.

In witness where of, the parties hereto execute this non-impact statement on the date first above written.

2. Deduction :- I.T, GST, Royalty & all other deduction will be deduced form each bill as per Govt. rule.

In witness whereof the parties thereto 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 Contractor


04/05/24
Executive Engineer
RWD Works Division
Baisi
Binding Signature of Employer

**अधीक्षण अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य अंचल, पूर्णियाँ।**

पत्रांक 649 (2/30)

पूर्णियाँ/दिनांक 10/1/2024

प्रेषक,

अधीक्षण अभियंता,
ग्रामीण कार्य विभाग,
कार्य अंचल, पूर्णियाँ।

सेवा में,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, बायसी।

विषय :- पुनरीक्षित परिमाण विपत्र स्वीकृत करने के संबंध में।

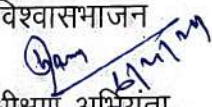
प्रसंग :- आपका पत्रांक 298 दिनांक 15.02.2024

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में सूचित करना है कि निम्नांकित पथ के स्वीकृत प्राक्कलन में 12% GST प्रावधान था, जबकि सरकार के पत्रांक 3322 दिनांक 05.12.2022 द्वारा GST 12% से बढ़ाकर 18% GST किए जाने के फलस्वरूप आपके द्वारा समर्पित GST प्रस्ताव की स्वीकृति दी जाती है। कार्यपालक अभियंता यह सुनिश्चित करेंगे की संवेदक द्वारा GST का भुगतान ससमय किया गया हो।

क्र०सं०	पथ का नाम	पुनरीक्षित परिमाण विपत्र की राशि (लाख में)	पूर्व में स्वीकृत परिमाण विपत्र की राशि (लाख में)	अंतर-राशि (लाख स्वीकृत में)
1	Naya Haripur to Parwan Tola	13317182.00	13075552.00	337279.00

विश्वासभाजन


अधीक्षण अभियंता,
ग्रामीण कार्य विभाग,
कार्य अंचल, पूर्णियाँ।


Executive Engineer
R W L Works Division
Baisi

(3)

Issuing Authority: Engg-in Chief RWD Patna

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

NAYA HARIPUR TO
PARWAN TOLA

AMOUR	DIVISION:-	BAISI		
			Excess (+)	%

SCHEDULE OF WORKS

BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	

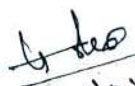
WORK DONE BOQ @ 12% GST

	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 Piller 01. Nos. Per Km.	2.000	Km	4465.550	8931.000
	Reference Piller 04. Nos. Per Km.	4.000	Km	2043.310	8173.000
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	0.870	Hac.	51133.760	44486.000
3	Construciton of Embankment with material Obtained from Roasway Cutting:- 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 100 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).	27.000	0.000	26.250	708.000

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04/05/24

Executive Engineer
R W 1. Works Division
Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to 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	1159.000	Cum	131.170	152026.000
5 Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to 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	289.000	Cum	175.220	50639.000
6 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 & 100 m as per Technical Specification Clause 303.1. (Including Royalty & Labour Cess).	2321.050	Cum	176.860	410501.000
7 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. (Grading I Material)	757.820	Cum	2934.000	2223444.000


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Executive Engineer
 R. V. L. Works Division
 Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. p
			Figure	
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.	348.760	Cum	3541.490	1235130.000
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.	0.000	Sqm	43.710	0.000
10 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.	0.000	Sqm	15.020	0.000

[Signature]
04/05/24

[Signature]
9/5/24
Executive Engineer
R. W. T. Works Division
Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
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	0.000	Sqm	199.440	0.000
12 Construction of un-reinforced, dowel jointed at expansion and construction joint only, 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 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, 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	174.000	Sqm	6816.930	1186146.000

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Executive Engineer
R. V. L. Works Division
Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
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	0.000	Sqm	504.690	0.000
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.	0.000	Nos.	2273.610	0.000
i Ordinary Kilometer Stone (Precast)	0.000	Nos.	616.670	0.000
ii 200 m Kilometer Stone (Precast)	0.000	Nos.		
15 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	2.000	Nos.	9471.840	18944.000

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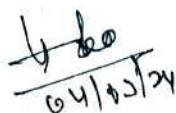
Executive Engineer
R W Works Division
Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
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	0.000	Per Cm Per Height	0.520	0.000
Reinforced cement concrete M15 grade boundary pillars/local stone of standard design as per IRC:25, fixed in position including finishing and lettering but excluding painting as per drawing and Technical Specification Clause 1704	0.000	Nos.	501.190	0.000
18 Providing and fixing of Semi reflective cautionary, mandatory and informatory sign board :- Providing and fixing of Semi reflective cautionary, mandatory and informatory sign board as per IRC:67 made of 1.5 mm thick MS Sheet duly stove white colour in front and gray colour on back with red reflective border of 65 mm width and required letters and figures with reflective tape engineering grade as per Clause 1701.3.9 of MORD for Rural Roads of required shade and colour supported and welded on 47mm x 47 mm x 12 SWG sheet tube firmly fixed to the ground by mean of properly designed foundations with M-15 grade cement concrete 450x450x600 mm, 600 mm below ground level as per approved drawing Clause 1701.2.2				
i 600 mm equilateral & triangle	0.000	Nos.	3791.200	0.000
ii 600 mm Circular	0.000	Nos.	5063.120	0.000
iii 800 mm X 600 mm rectangular	0.000	Nos.	7036.090	0.000
iv 900 mm Octagon OR	0.000	Nos.	8958.990	0.000

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Executive Engineer
R W Works Division
Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
Planting of tree by the road side (Avenue Tree) in 0.6 m dia holes, 1 m deep dug in the Ground, Mixing the soil with decayed farm yard / slug manure, panting the saplings back filling the trench, watering fixing the tree guard & Maintenance the plant for One Year.	0.000	Each	818.840	0.000
Half Brick Circular Tree Guard, in 2nd class brick, interbnaI diametre 1.25 metres, and height 1.2 metre above ground 0.20 metre below ground bottom two courses laid dry, and top three courses in cement mortar 1:6 (1 cement 6 sand and the intermediate courses being in dry honey comb masonry as per design complete.	0.000	Each	1972.640	0.000
21 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. On BT Surface	0.000	Sqm	735.440	0.000
22 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. On CC Surface	0.000	Sqm	834.300	0.000
Hume Pipe Culvert				


 04/05/24

Executive Engineer
 R W L Works Division
 Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. p
			Figure	
Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	29.800	Cum	294.730	8783.000
PCC M-15 (PCC 1:2.5:5) Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	4.590	Cum	5659.400	25977.000
25 Plain/reinforced cement concrete (M-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	33.610	Cum	6439.800	216442.000
26 Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of PCC - 10 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.	7.500	Rm	3695.150	27714.000
27 Painting Parapet Wall (Black & White Strip) painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surface as per drawing and Technicals Specification Clause 1701	0.000	Sqm	97.190	0.000
Box Culvert				

64/05/24

Executive Engineer
R W L Works Division
Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. p
			Figure	
Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	303.780	Cum	294.730	89533.000
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)	22.440	Cum	5659.400	126997.000
30 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)	100.180	Cum	6236.670	624790.000
31 Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	3.403	MT	53753.940	182925.000
32 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 Grade)	70.260	Cum	6439.800	452460.000
33 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	90.000	Nos.	122.700	11043.000

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 04/03/2017
 Executive Engineer
 Works Division
 Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
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)	36.780	Cum	7076.530	260275.000
Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	0.000	MT	53908.230	0.000
6 Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 (With Sandy Material)	113.210	Cum	750.860	85005.000
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	0.000	Cum	3179.830	0.000
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)	0.000	Cum	7656.840	0.000
39 Supplying, fitting, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002, 1010 and 1202	0.000	MT	55109.380	0.000

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04/10/24

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Executive Engineer
R W L Works Division
Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
Parapet Construction 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 Grade)	0.000	Cum	6439.800	0.000
Painting Parapet Wall (Black & White Strip) painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surface as per drawing and Technicals Specification Clause 1701	0.000	Sqm	97.190	0.000
42 Drainage spouts complete as per drawing and technical specifications Clause 1209	0.000	Nos.	442.220	0.000
43 P.C.C. M 15 ordinary grade (1:2.5:5) levelling course below approach slab complete as per drawing and technical specifications Clauses 800 and 1211	0.000	Cum	5540.300	0.000
44 Reinforced Cement Concrete M 25 grade approach slab including reinforcement and formwork complete as per drawing and technical specifications Clauses 800 and 1211	0.000	Cum	10185.770	0.000
45 Providing and laying cement concrete wearing course M 30 grade including reinforcement complete as per drawing and technical specifications Clauses 800 and 1206.3	0.000	Cum	13025.910	0.000

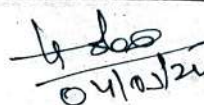

 05/05/24
 Executive Engineer
 R W L. Works Division
 Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. p
			Figure	
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 in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:981997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia 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 drawings.	0.000	Rm	9706.100	0.000
Total Cost of Construction =		Rs		7451071.000 ✓
Add GST @ 12%		Rs		894129.00 ✓
Add Labour Cess @ 1%		Rs		74511.00 ✓
Add Seigniorage Fee @ 10%		Rs		75000.000 ✓
Total Construction Cost (A)		Rs		8494711.000 ✓
As per Aggrement Below 0.02 %		Rs		8493012.00 ✓
WORK DONE BOQ @ 18% GST				
1 Providing & Fixing of Working benchmark/Refrence Pillars 01 nos. per km & 04 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I				
Benchmark Piller 01. Nos. Per Km.	0.000	Km	4465.550	0.000
Refrence Piller 04. Nos. Per Km.	0.000	Km	2043.310	0.000


[Signature]
04/05/24

[Signature]
Executive Engineer
R W L: Works Division
Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. p
			Figure	
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	0.000	Hac.	51133.760	0.000
3 Construcion of Embankment with material Obtained from Roasway Cutting:- 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 100 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).	0.000	0.000	26.250	0.000
4 Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to 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	476.520	Cum	131.170	62505.160
5 Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to 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	146.420	Cum	175.220	25655.290


 Executive Engineer
 R W Works Division
 Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
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 & 100 m as per Technical Specification Clause 303.1. (Including Royalty & Labour Cess).	29.570	Cum	176.860	5229.650
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. (Grading I Material)	0.000	Cum	2934.000	0.000
8 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.	6.960	Cum	3541.490	24648.820
9 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.	3633.750	Sqm	43.710	158531.210


 04/05/24

Executive Engineer
 R W L Works Division
 Baisi

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
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.	3633.750	Sqm	15.020	54578.930
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	3633.750	Sqm	199.440	724715.100

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R W & Works Division
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Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. p
			Figure	
Construction of un-reinforced, dowel jointed at expansion and construction joint only, 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 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, 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	3.480	Sqm	6816.930	23722.740
13 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	145.000	Sqm	504.690	73180.050
14 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.	0.000	0.000	0.000	0.000
i Ordinary Kilometer Stone (Precast)	2.000	Nos.	2273.610	4547.220
ii 200 m Kilometer Stone (Precast)	5.000	Nos.	616.670	3083.350

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Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
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 5mm 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	3.000	Nos.	9471.840	28415.200
16 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 Per Height	0.520	68.640
17 Reinforced cement concrete M15 grade boundary pillars/local stone of standard design as per IRC:25, fixed in position including finishing and lettering but excluding painting as per drawing and Technical Specification Clause 1704	24.000	Nos.	501.190	12028.560

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Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. p
			Figure	
Providing and fixing of Semi reflective cautionary, mandatory and informative sign board :- Providing and fixing of Semi reflective cautionary, mandatory and informative sign board as per IRC:67 made of 1.5 mm thick MS Sheet duly stove white colour in front and gray colour on back with red reflective border of 65 mm width and required letters and figures with reflective tape engineering grade as per Clause 1701.3.9 of MORD for Rural Roads of required shade and colour supported and welded on 47mm x 47 mm x 12 SWG sheet tube firmly fixed to the ground by mean of properly designed foundations with M-15 grade cement concrete 450x450x600 mm, 600 mm below ground level as per approved drawing Clause 1701.2.2	0.000	0.000	0.000	0.000
i 600 mm equilateral & triangle	6.000	Nos.	3791.200	22747.200
ii 600 mm Circular	2.000	Nos.	5063.120	10126.240
iii 800 mm X 600 mm rectangular	2.000	Nos.	7036.090	14072.180
iv 900 mm Octagon OR	2.000	Nos.	8958.990	17917.980
19 Planting of tree by the road side (Avenue Tree) in 0.6 m dia holes, 1 m deep dug in the Ground, Mixing the soil with decayed farm yard / slug manure, panting the saplings back filling the trench, watering fixing the tree guard & Maintenance the plant for One Year.	124.000	Each	818.840	101536.160
20 Half Brick Circular Tree Guard, in 2nd class brick, interbnaI diametre 1.25 metres, and height 1.2 metre above ground 0.20 metre below ground bottom two courses laid dry, and top three courses in cement mortar 1:6 (1 cement 6 sand and the intermediate courses being in dry honey comb masonry as per design complete.	124.000	Each	1972.640	244607.360


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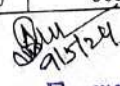
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 R W T. Works Division
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	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
21	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising 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. On BT Surface	190.000	Sqm	735.440	139733.600
22	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. On CC Surface	58.000	Sqm	834.300	48389.400
Hume Pipe Culvert					
23	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	0.000	Cum	294.730	0.000
24	PCC M-15 (PCC 1:2.5:5) Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	0.010	Cum	5659.400	56.240
25	Plain/reinforced cement concrete (M-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	0.130	Cum	6439.800	836.850

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R W L Works Division
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Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of PCC - 10 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.	0.000	Rm	3695.150	0.000
27 Painting Parapet Wall (Black & White Strip) painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surface as per drawing and Technicals Specification Clause 1701	20.640	Sqm	97.190	2006.000
Box Culvert				
28 Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	2.490	Cum	294.730	733.960
29 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)	0.000	Cum	5659.400	0.000
30 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)	0.810	Cum	6236.670	5051.300


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04/03/24
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	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
31	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	1.307	MT	53753.940	70256.060
32	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 Grade)	0.100	Cum	6439.800	644.330
33	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	0.000	Nos.	122.700	0.000
34	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)	0.000	Cum	7076.530	0.000
35	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	6.290	MT	53908.230	339082.770
36	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 (With Sandy Material)	0.000	Cum	750.860	0.000

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Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. p
			Figure	
Providing and laying filter media with angular 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 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	62.660	Cum	3179.830	199248.150
Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 (CC M-30 Grade)	15.160	Cum	7656.840	116077.690
Applying, fitting, and placing HYSD reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002, 1010 and 1012	1.290	MT	55109.380	71091.100
Parapet Construction Plain/reinforced cement concrete in substructure complete as per drawings and technical specifications Clauses 802, 804, 805, 806, 1207, 1202 and 1204 (CC M-20 Grade)	10.770	Cum	6439.800	69356.650
Painting Parapet Wall (Black & White strip) painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surface as per drawing and Technicals specification Clause 1701	73.730	Sqm	97.190	7165.820
Drainage spouts complete as per drawing and technical specifications Clause 1209	8.000	Nos.	442.220	3537.760


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 04/12/24

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. p
			Figure	
P.C.C. M 15 ordinary grade (1:2.5:5) levelling course below approach slab complete as per drawing and technical specifications Clauses 800 and 1211	4.200	Cum	5540.300	23269.260
44 Reinforced Cement Concrete M 25 grade approach slab including reinforcement and formwork complete as per drawing and technical specifications Clauses 800 and 1211	14.700	Cum	10185.770	149730.820
45 Providing and laying cement concrete wearing course M 30 grade including reinforcement complete as per drawing and technical specifications Clauses 800 and 1206.3	2.020	Cum	13025.910	26312.340
46 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 in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:981997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia 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 drawings.	3.000	Rm	9706.100	29118.300
Total Cost of Construction =		Rs		2913916.920
Add GST @ 18%		Rs		524505.00
Add Labour Cess @ 1%		Rs		29139.17
Add Seigniorage Fee @ 10%		Rs		28791.110
Total Construction Cost (A)		Rs		3496352.200

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R W L Works Division
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Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
As per Aggrement Below 0.02 %		Rs		3495653.00 ✓
Five Years Maintenance Cost				
Maintenance for I st Year	1.000	Year	2095.000	50654.000 ✓
Maintenance for II nd Year	1.000	Year	5231.000	146390.000 ✓
Maintenance for III rd Year	1.000	Year	7256.000	354726.000 ✓
Maintenance for IV th Year	1.000	Year	9282.000	177549.000 ✓
Maintenance for Vth Year	1.000	Year	11309.000	384729.000 ✓
Total Cost		Rs		1114048.000 ✓
Add GST @ 18%		Rs		200528.64 ✓
Add Labour Cess @ 1%		Rs		11140.48 ✓
Add Seigniorage Fee @ 10%		Rs		3065.590 ✓
Total Cost of (B) (inRs.)=		Rs		1328782.710 ✓
As per Aggrement Below 0.02 %		Rs		1328517.00 ✓
Total Cost of Project (inRs.) as per Aggrement Below=		Rs		4824170.000 ✓
		Rs		13317182.000 ✓
Quoted Rate in Words				

1/10 10000

Banika
21.1.24
J.E.

21/01/24
A.E.

21/01/24
E.E.

S.E.

B.O.Q. revised due to G.S.T. enhancement 12% to 18%.

Revised B.O.Q. approved for amount Rs 1,33,17,182.00
(Rupees one crore thirty three lakh seventeen thousand
one hundred & eighty two) only.

Executive Engineer
R W 1: Works Division,
Baisi

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, पूर्णिया
04/04/24