

FDR-2024

2271
Lachhant's south to 19 to Bishop's to 15
Schedule XLV-Form No. 134

Bagaha-2 DIVISION

0 Pipasi SUB-DIVISION

MEASUREMENT BOOK

	Cont D.	Contents of area
4. ADR		
of road Lachhahi South to to BISHH to		
Agency	Departmental	
Suppl.		
Block	Pibasi	
District	West Champaran	
Authority	Executive Engineer, Road Cons.	

Bepale - 2		
Item	Earth work	
Revised Measurement		
1. Cost of embankment		
2x	30.00 x 2.50 x 2.25	337.50 m ³
2x	28.00 x 2.50 x 2.25	326.25 m ³
Total =		663.75 m ³

Nepal - 11		
02/10/11		
Revised Measurement		
1. Construction of embankment		
2x	30.00 x 2.25 x 1.25	168.75 m ³
2x	25.00 x 2.25 x 1.25	140.63 m ³
Total =		309.38 m ³

Nepal - 11
02/10/11
Continuation

02/11/11

Continuation

घोषणा- पत्र

1. इस प्राक्कलन को असंबद्ध कार्यपालक अभियंता से जाँच करा ली गयी है।
2. अस्थायी पुनर्स्थापन के सामग्री का समायोजन स्थायी पुनर्स्थापन के प्राक्कलन में कर ली गयी है।

Neelish
07/11/24

सहायक अभियंता/कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-2

Neelish
02-11-24

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बगहा-2



बिहार BIHAR 3468 26.12.2020 1000/- मुल्य 20 ला आता 93157 वास्ते देवी-253850
 दिनांक मुल्य दो ला आता 93157 वास्ते देवी-253850

(A) Standard Form of Agreement

vide CC-3 (W.D.) 1/2021

विकास कुमार
 मुद्राक विक्रम योगेश
 लो नो-2/08-07

Notes on Standard Form of Agreement vide No. 36 dt 04/1/21
 The Agreement Should Incorporate any corrections or modifications to the Bld
 Resulting from corrections of (Instructions to Bidders, Clause 26

Standard Form: Agreement

Agreement No. 553BD dt 20-21

This Agreement, made the 03/03/2021 between Executive Engineer
 R.W.D Works Division, Bagha-2 (Name and Address of Employer (Hereinafter called the
 Employer) of the one part, and Munna Kumar Jaiswal, At- Mirza tola, Bagaha, West
 Champaran, Bihar, 845101 Name and address of contractor (Hereinafter called the
 Contractor) of the other part.

Whereas the Employer is desirous that the contractor execute Lachhanahi
 South Tola to Bisfatwa Tola OF BLOCK IN PIPRASI UNDER MMGSY (Ge.) Name and
 identification number of Contract) hereinafter called the Work) and the employer had
 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 2,12,95,638.00 (Two Crore Twelve Lac
 Ninety Five thousand Six Hundred Thirty Eight only). NOW THIS AGREEMENTS 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 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 payment to be made by the Employer to the contractor as
 hereinafter mentioned the Contractor hereby convenient with the Employer to
 execute and complete the works and remedy any defects therein conformity in all
 Aspects with provisions of the Contract.

मुन्ना कुमार जैसवाल

Executive Engineer
 RWD (W) Div. Bagha-2
 03.03.2021

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 of such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

The following documents shall be deemed to form and be read and construed as part of this Agreement,

- i) Letter of Acceptance;
- ii) Notice to proceed with the works;
- iii) Contractor's Bid;
- iv) Contract Date;
- v) Special Conditions of contract and General Condition 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.

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 Signatures of Contractor _____

[Handwritten signature]

[Handwritten signature]
03.03.2024
Executive Engineer
RWD (W) Div. Bagha-2

Under Inviting Authority:- Executive Engineer, R.W.D. Works Division, Bagaha-2					
Name of Work:			Lachhanahi South Tola to Bisfatwa Tola		
BLOCK - PIPRASHI			DISTRICT - W.CHAMPARAN		
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
1	Construction of Reference & Working Benchmark as per specification and drawing 200.1 & 200.2	1.85	Per Km.	6,994.78	12940.34
2	Construction of Reference Pillars/Burjees as per specification and drawing 200.1 & 200.2	1.85	Per Km.	4,136.90	7653.27
3	Clearing and grubbing road land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201.	0.56	Hectare	53,879.82	30172.70
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	822.73	Cum.	190.14	156433.88
5	Construction of subgrade & earthen shoulders with approved material obtained from borrow pits with all lifts and lead, transporting to site, spreading, grading to required slope and compacted to meet requirement of Tables 300.2 with lead upto 1000m as per Technical Specification Clause 301.4.1	5000.26	Cum.	191.82	959149.87
6	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 100m as per Technical Specification Clause 301.5.	1919.70	Cum.	153.90	295441.83
7	Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 302.3	30.75	Cum.	75.61	2325.01
8	Laying brick soling layer on prepared sub-grade with brick on , graded and cross-section shown on the drawing filling joints with sand and earth, over brick soling, watering and rolling the same with three Wheeled Road roller 80-100kN as per TS clause 412.	150.00	Sqm.	479.10	71865.00
9	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 three wheel 80-100 kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401 (For Grading I Material)	1344.38	Cum.	4,325.64	5815303.90
10	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.	532.51	Cum.	5,202.36	2770308.72

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 03.03.2021
 Executive Engineer
 R.W.D. Div. Bagaha-2

Order Inviting Authority: Executive Engineer, R.W.D. Works Division, Bagaha-2

Name of Work:

Lachhanahi South Tola to Bisfatwa Tola

BLOCK - PIPRASHI

DISTRICT - W.CHAMPARAN

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
11	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 0.70-1.0kg/sqm using mechanical means as per Technical Specification	6373.13	Sqm.	41.75	266078.18
12	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25-0.30kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.	6373.13	Sqm.	14.24	90753.37
13	Mix Seal Surfacing with Waste Plastic (Type B) By Mechanical Means- 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	6373.13	Sqm.	229.81	1464609.01
14	Construction of un-reinforced, 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 M 25 (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, 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	122.40	Cum	8,898.59	1089187.42
15	(i) 5th Kilometre Stone (precast)- Reinforced cement concrete M15 grade kilometre stone/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	Each	4,681.17	0.00
16	(ii) Ordinary Kilometer Stone (Precast)- Reinforced cement concrete M15 grade kilometre stone/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	2.00	Each	2,920.44	5840.88
17	(iii) 200 m stone (precast)- Reinforced cement concrete M15 grade kilometre stone/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	8.00	Each	726.13	5809.04

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03.03.2014
Executive Engineer
RWD (W) Div. Bagaha-2

Tender Inviting Authority:- Executive Engineer, R.W.D. Works Division, Bagaha-2					
Name of Work:			Lachhanahi South Tola to Bisfatwa Tola		
BLOCK - PIPRASHI			DISTRICT - W.CHAMPARAN		
Sl No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
18	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	48.00	Each	573.88	27546.24
19	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 (For culverts)	133.92	Sqm.	102.26	13694.66
20	Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint @ of 1 litre for 2 sqm. (at rigid pavement below road marking)	40.00	Sqm.	93.56	3742.40
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.	370.00	Sqm.	721.98	267132.60
22	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	264.00	/cm ht/letter	0.54	142.56
23	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	2.00	Each	13,481.07	26962.14

Signature

Signature
03.03.2021
Executive Engineer
RWD (W) Div. Bagaha-2

Tender Inviting Authority:- Executive Engineer, R.W.D. Works Division, Banaha-2

Name of Work:

Lachhanahi South Tola to Bisfatwa Tola

BLOCK - PIPRASHI

DISTRICT - W. CHAMPARAN

SL No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
24	Providing and fixing of typical Maintenance Board 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 steel 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	2.00	Each	13,481.07	26962.14
25	600 mm equilateral triangle- Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting as per drawings and Technical Specification Clause 801	20.00	No.	3,722.77	74455.40
26	600 mm Circular- Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting as per drawings and Technical Specification Clause 801	0.00	No.	4,972.41	0.00
27	600 mm x 450 mm rectangular- Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting as per drawings and Technical Specification Clause 801	2.00	No.	4,265.39	8530.78
28	900 mm side octagon- Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting as per drawings and Technical Specification Clause 801	2.00	No.	8,028.36	16056.72
29	Providing and laying 300 mm Dia. RCC Hume pipe NP-3 for irrigation purpose	45.00	RM	924.33	41594.85
30	Planting of Trees and their Maintenance for one Year 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	166.00	Each	855.50	142013.00
31	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification	394.58	cum	283.94	112031.37
32	Sand Filling in Foundation Trenches as per drawing and technical specification.	24.12	cum	444.32	10717.00
33	Brick Flat Soling in foundation:- Brick Flat Soling in foundation Trenches as per drawing and technical specification.	0.00	sqm	295.14	0.00
34	Providing PCC Grade M15 for plain/reinforced concrete in open foundations complete as per drawings and technical specifications.	33.48	cum	7,590.45	254128.27

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03.03.2024
Executive Engineer
RWD (W) Div. Banaha-2

Tender Inviting Authority:- Executive Engineer, R.W.D. Works Division, Bagaha-2					
Name of Work:			Lachhanahi South Tola to Bisfatwa Tola		
BLOCK - PIPRASHI			DISTRICT - W.CHAMPARAN		
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
35	Brick Masonary work in cement mortar (1:4) in head wall complete as per drawing and technical specification clause 1109 in cement mortar 1:4	0.00	cum	6,081.20	0.00
36	Providing and laying 1000 mm Dia. RCC pipe NP-3 for culverts on first class bedding of PCC M10 (1:3:6) in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling concrete and masonry works in head	0.00	m	4,178.72	0.00
37	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	0.00	sqm	222.51	0.00
38	Providing 1.5 mm cement punning including curing carriage of water with all leads and lifts as per building specification and direction of E/I	0.00	sqm	61.55	0.00
39	Providing Reinforced cement RCC GRADE M-25 concrete in box cell complete as per drawings and technical specification.	172.20	cum	9,295.01	1600600.72
40	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification.	99.35	cum	4,065.05	403903.37
41	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.	168.00	Each	83.92	14098.56
42	Providing and laying boulder apron for bed protection with stone boulders of minimum size and weight as per Table 1300.1, no fragment weighing less than 25 kg laid dry complete as per drawing and technical specifications.	113.40	cum	5,125.08	581184.07
43	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification.	11.28	MT	50,375.41	568234.62
44	Providing and laying RCC pipe 600mm dia NP-3 for culverts on first class bedding of PCC M10 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.	0.00	M	2,297.65	0.00
Cost of Construction (Rs.) :-					
45	Add GST @ 12%	1.00	Rs.	20,68,51.47	17237603.89
46	Add Cess @ 1%	1.00	Rs.	1,72,376.04	2068512.47
47	Add Seigniorage Fee	1.00	Rs.	1,87,644.47	172376.04
Total Construction Cost (A) =					187644.47
48	Maintenance for 1st year	1.00	Year	99929.00	1,90,68,138.87
49	Maintenance for 2nd year	1.00	Year	241434.00	99929.00
50	Maintenance for 3rd year	1.00	Year	583132.00	241434.00
51	Maintenance for 4th year	1.00	Year	352164.00	583132.00
52	Maintenance for 5th year	1.00	Year	399635.00	352164.00
Cost of Maintenance (Rs.) :-					399635.00
53	Add GST @ 12%	1.00	Rs.	2,01,155.28	1676294.00
54	Add Cess @ 1%	1.00	Rs.	18,762.94	201155.28
55	Add Seigniorage Fee	1.00	Rs.	7,038.92	16762.94
Total Maintenance Cost (B) =					7038.92
Total estimated cost (A+B) =					19,01,251.14
					2,15,67,388.01

379311497157

Executive Engineer
R.W.D. Div. Bagaha-2

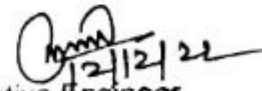


बिहार BIHAR 4142 26/11/2022 1000/- मूल्य कागज जल मिठा टोला, बगहा, पश्चिम चम्पारन, बिहार 845101. Standard From: Supplementary Agreement AP 788532
Supplementary Agreement No. 55 मिर्जा कुमार जैसवाल मुर्छा बिर्छा बगहा

This Supplementary Agreement, made the 12 Dec 22 between Executive Engineer R.W.D Works Division, Bagha-2 {Name and Address of Employer (Hereinafter called the Employer) of the one part, and **Munna Kumar Jaiswal, At.- Mirza tola, Bagaha, West Champaran, Bihar, 845101.** Name and address of contractor (Hereinafter called the Contractor) of the other part.

Whereas the Employer is desirous that the contractor execute **Lachhanahi South Tola to Bisfatwa Tola OF BLOCK IN Piprasi UNDER MMGSY** Name and identification number of Contract} hereinafter called the Work) and the employer had 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 **622183.00 (Six lacs Twenty Two Thousand One hundred Eighty Three only)**. NOW THIS SUPPLEMENTARY AGREEMENTS WITNESSETH as follows.

1. In this Supplementary agreement, words and expression shall have the same meanings as are Respectively assigned to them in the Conditions of Contract hereinafter referred to, and 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 Supplementary Agreement.
2. In consideration of the payment to be made by the Employer to the contractor as hereinafter mentioned the Contractor hereby convenient with the Employer to execute and complete the works and remedy any defects therein conformity in all. Aspects with provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the executin and completion of the works and the remedying the defects wherein the Contract price of such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.


 Executive Engineer
 Rural Works Department
 Works Division, BAGHA-2.
 12/12/22

मुन्ना कुमार जैसवाल

4. The following documents shall be deemed to form and be read and construed as part of this Supplementary Agreement, viz

- i) Bill of quantities; and
- ii) Any other document listed in the Contract Data as forming part of the Contract.

In witness where of the parties thereto have caused this Supplementary Agreement to be executed the day and year first before written.

The common seal of -----

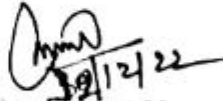
Was hereunto affixed in the presence of

Signed, Sealed and Delivered by the said -----

In the presence of:

Binding Signature of Employer -----

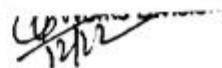
Binding Signatures of Contractor -----


Executive Engineer
Public Works Department
Diversion Division, BAGHA-2.

12/12/22

मुख्य कुशल पर्यवेक्षण

मुख्य कुशल पर्यवेक्षण


12/12/22

Inviting Authority:- Executive Engineer, R.W.D. Works Division, Bagaha-2

Name of Work:

Lachhanahi South Tola to Bisfatwa Tola

Contract No: Civil Works

BLOCK-PIPRASI

DISTRICT- W CHAMPARAN

Bidder Name:

Excess (+)

%

SCHEDULE OF WORKS

Sl No	Description of work	No or Qty	Unit	Estimated Rate	AMOUNT Rs P
				Figure	
1	Construction of Reference & Working Benchmark as per specification and drawing 200.1 & 200.2	1.85	Per Km	6,994.78	12940.34
2	Construction of Reference Pillars/Burjees as per specification and drawing 200.1 & 200.2	1.85	Per Km	4,136.90	7653.27
3	Cleaning and grubbing road land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201	0.55	Hectare	53,879.82	30172.70
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	822.73	Cum	190.14	156433.88
5	Construction of subgrade & earthen shoulders with approved material obtained from borrow pits with all lifts and lead, transporting to site, spreading, grading to required slope and compacted to meet requirement of Tables 300.2 with lead upto 1000m as per Technical Specification Clause 301.4.1	5000.26	Cum	191.82	959149.87
6	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 100m as per Technical Specification Clause 301.5	1971.51	Cum	153.90	303415.39
7	Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 302.3	30.75	Cum	75.61	2325.01
8	Laying brick soling layer on prepared sub-grade with brick on graded and cross-section shown on the drawing filling joints with sand and earth over brick soling, watering and rolling the same with three Wheeled Road roller 80-100kN as per TS clause 412.	150.00	Sqm	479.10	71865.00
9	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 three wheel 80-100 kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401 (For Grading I Material)	1415.18	Cum	4,325.64	6121559.22
10	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 interspaces of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405	559.06	Cum	5,202.36	2908431.38
11	Providing and applying primer coat with bitumen emulsion (ST-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0kg/sqm using mechanical means as per Technical Specification	6727.05	Sqm	41.75	280854.34

(Signature)

(Signature) 12/12/22

Executive Engineer
Rural Works Department
Works Division, BAGHA-2.

(Signature) 12/12/22

Rural Works Department
Works Division, BAGHA-2.

मुनी कुमार मयदास

मुनी कुमार मयदास

Under Inviting Authority:- Executive Engineer, R.W.D. Works Division, Bagaha-2

Name of Work:

Lachhanahi South Tola to Bisfatwa Tola

Contract No: Civil Works

BLOCK: PIPRASI

DISTRICT: W. CHAMPARAN

Bidder Name:

Excess (+) %

SCHEDULE OF WORKS

Sl No	Description of work	No or Qty	Unit	Estimated Rate Figure	AMOUNT Rs P
12	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25-0.30kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503	6727.05	Sqm	14.24	95793.19
13	Mix Seal Surfacing with Waste Plastic (Type B) By Mechanical Means- 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	6727.05	Sqm	229.81	1545943.36
14	Construction of unreinforced 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 M 25 (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, 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	122.40	Cum	8,898.59	1089187.42
15	(i) 5th Kilometer Stone (precast)- Reinforced cement concrete M15 grade kilometre stone/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	Each	4,681.17	0.00
16	(ii) Ordinary Kilometer Stone (Precast)- Reinforced cement concrete M15 grade kilometre stone/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	2	Each	2,920.44	5840.88
17	(iii) 250 m stone (precast)- Reinforced cement concrete M15 grade kilometre stone/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	8	Each	726.13	5809.04
18	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 1754	48	Each	573.88	27546.24

Executive Engineer
Rural Works Department
Works Division, BAGHA-2.

Inviting Authority:- Executive Engineer R.W.D. Works Division, Bagaha-2

Name of Work:

Lachhanahi South Tola to Bisfatwa Tola

Contract No: Civil Works

BLOCK-PIPRAZI

DISTRICT- W CHAMPARAN

Bidder Name:

Excess (%)

2%

SCHEDULE OF WORKS

Sl No	Description of work	No or Qty	Unit	Estimated Rate	AMOUNT Rs P
				Figure	
19	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 (for culverts)	133.92	Sqm	102.26	13694.66
20	Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint @ of 1 litre for 2 sqm (at rigid pavement below road marking)	40.00	Sqm	93.56	3742.40
21	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflecting 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	370	Sqm	721.98	267132.60
22	Painting 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	19	/cm ht/lette	0.54	9.99
23	Providing and fixing of typical MMSY informative sign board with Logo as per MORD specifications and drawing. Three MS Plates of 16 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 and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	2	Each	13,481.07	26962.14
24	Providing and fixing of typical Maintenance Board as per MORD specifications and drawing. Three MS Plates of 16 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 and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	2	Each	13,481.07	26962.14

Signature

Signature

Executive Engineer
Road Works Department
R.W.D. Division, BAGHA-2
13/12

Inviting Authority, Executive Engineer R.W.D. Works Division, Bagaha 2

Name of Work: Lachhanahi South Tola to Bisfatwa Tola

Contract No. Civil Works

BLOCK: PIPRASI

DISTRICT: W. CHAMPARAN

Bidder Name

Excess (%)

%

SCHEDULE OF WORKS

Sl No	Description of work	No or Qty	Unit	Estimated Rate	AMOUNT	
				Figure	Rs	P
25	600 mm equilateral triangle. Providing and fixing of retro-reflectors cautionary, mandatory and informatory sign as per IRC 67 made of encapsulated lens type reflective sheeting as per drawings and Technical Specification Clause 301	20	No	3,722.77	74455.40	
26	600 mm Circular. Providing and fixing of retro-reflectors cautionary, mandatory and informatory sign as per IRC 67 made of encapsulated lens type reflective sheeting as per drawings and Technical Specification Clause 301	0	No	4,972.41	0.00	
27	600 mm x 450 mm rectangle. Providing and fixing of retro-reflectors cautionary, mandatory and informatory sign as per IRC 67 made of encapsulated lens type reflective sheeting as per drawings and Technical Specification Clause 301	2	No	4,265.39	8530.78	
28	900 mm side octagon. Providing and fixing of retro-reflectors cautionary, mandatory and informatory sign as per IRC 67 made of encapsulated lens type reflective sheeting as per drawings and Technical Specification Clause 301	2	No	8,028.36	16056.72	
29	Providing and laying 300 mm Dia. RCC Hume pipe NP-3 for irrigation purpose	45.00	RM	924.33	41594.85	
30	Planting of Trees and their Maintenance for one Year 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	166.00	Each	855.50	142013.00	
31	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	393.18	cum	283.94	111639.53	
32	Sand Filling in Foundation Trenches as per drawing and technical specification Clause 1103 - rate as per item No. 11.2 (i) of Chapter 11	24.00	cum	444.32	10663.68	
33	Brick Flat Soling in foundation - Brick Flat Soling in foundation Trenches as per drawing and technical specification Clause 1108	0.00	sqm	295.14	0.00	
34	Providing RCC Grade M15 for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	33.46	cum	7,590.45	253976.46	
35	Brick Masonary work in cement mortar 1:4 in head wall complete as per drawing and technical specification Clause 1109 in cement mortar 1:4	0.00	cum	6,081.20	0.00	
36	Providing and laying 1000 mm Dia. RCC pipe NP-3 for culverts on first class bedding of PCC M10 (1:3:6) in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works backfilling concrete and masonry works in head	0.00	m	4,178.72	0.00	
37	Plastering with cement mortar 1:4 on brick work in sub-structure as per Technical Specifications	0.00	sqm	222.51	0.00	
38	Providing 1.5 mm cement punning including curing carriage of water with all tools and lifts as per drawing specification and design of E&I	0.00	sqm	61.55	0.00	

[Signature]

[Signature]
Executive Engineer
Rural Works Department
Works Division, BAGHA-2.
12/12

[Signature]

Inviting Authority:- Executive Engineer, R.W.D. Works Division, Bagaha 2

Name of Work

Lachhanahi South Tola to Bisfatwa Tola

Contract No. CIVIL Works

BLOCK, PIPRASI

DISTRICT W. CHAMPARAN

Sl. No.	Description of work	No. or Qty	Unit	Estimated Rate Figure	AMOUNT Rs. P.
38	Providing Reinforced cement R.C.C. GRADE M 25 concrete in box culvert complete as per drawings and technical specification Clauses 802, 804 B.C. 805, 806, 807, 1202 and 1204	172.20	cum	9,295.01	1600600.72
40	Backfilling behind abutment wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 (Gravel Materials)	99.38	cum	4,065.05	403903.37
41	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% (1:100) towards draining face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7	168.00	Each	83.92	14098.56
42	Providing and laying boulder apron for bed protection with stone boulders of minimum size and weight as per Table 1300.1, no fragment weighing less than 25 kg and dry complete as per drawing and technical specifications Clause 1301	113.40	cum	5,125.08	581184.07
43	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	11.28	MT	50,375.41	568234.62
44	Providing and laying 600 mm Dia R.C.C. pipe NP-3 for culverts on first class bedding of R.C.C. M10 (1:3:6) in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works backfilling concrete and masonry works in head wall and parapet	0.00	M	2,297.65	0.00
Cost of Construction (Rs.)					17790376.21
Add GST @ 12%		1.00	Rs.	21,34,845.15	2134845.15
Add Cess @ 1%		1.00	Rs.	1,77,903.76	177903.76
Add Surcharges Fee		1.00	Rs.	1,93,668.51	193668.51
Total Construction Cost (A) =					2,02,96,793.63
45	Maintenance for 1st year	1.00	Year	99929.00	99929.00
46	Maintenance for 2nd year	1.00	Year	241434.00	241434.00
47	Maintenance for 3rd year	1.00	Year	583132.00	583132.00
48	Maintenance for 4th year	1.00	Year	352164.00	352164.00
49	Maintenance for 5th year	1.00	Year	399635.00	399635.00
				Total	16,76,294.00
Add GST @ 12%		1.00	Rs.	2,01,155.28	201155.28
Add Cess @ 1%		1.00	Rs.	16,762.94	16762.94
Add Surcharges Fee		1.00	Rs.	7,038.92	7038.92
Total Maintenance Cost (B) =					19,01,251.14
Total estimated cost (A+B) =					2,21,98,044.77
Less 1.51% As per Agreement					3,35,190.48
Total					2,18,62,854.30

12/11/22

9/11/22
EE

Qty P. = 2,18,62,854.30

3/11/22

12/12/22
Executive Engineer
Rural Works Department
Works Division, BAGHA-2.

मुख्य अभियंता -3 का कार्यालय
ग्रामीण कार्य विभाग, बिहार, पटना

पत्रांक:- II/मु0अ0-3,त0स्वी0-10-423/22 2233 215

पटना दिनांक:- 13-9-22

प्रेषक,

मुख्य अभियंता-3,
ग्रामीण कार्य विभाग,
बिहार, पटना।

सेवा में,

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

विषय:- शीर्ष एम0एम0जी0एस0वाई0 योजना अन्तर्गत कार्य प्रमंडल, बगहा-2 के अधीन बाढ़/अतिवृष्टि से क्षतिग्रस्त पथों के पुनर्स्थापन हेतु प्राप्त 02 अदद पथों के प्राक्कलन पर पुनरीक्षित तकनीकी स्वीकृति प्रदान करने के संबंध में।

प्रसंग:-आपका पत्रांक- 700 अनु0 दिनांक-02.07.2022 एवं वित्त विभाग के संकल्प संख्या-एम-4-53/2007/6439/वि0 पटना, दिनांक-28.08.2018

महाशय,

उपर्युक्त विषयक प्रांशंगिक पत्र द्वारा प्राप्त कार्य प्रमंडल, बगहा-2 के अधीन स्वीकृत पथ के प्राक्कलन पर विभागीय पत्र में दिये गये निदेश के आलोक में पुनरीक्षित तकनीकी स्वीकृति प्रदान कर लौटाया जा रहा है जिसकी विवरणी निम्न है:-

Sl. No	Name of Division	Name of Scheme	Length (in KM)	Department Ref Lett. No./Date	A.A. Amount (in Lakh) Construction Cost & Maintanance Cost	Revised T.S. Amount (in Lakh) (At. Agmt. Rate)	F.D.R. Damage Repair Cost (in Lakh) (At. Agmt. Rate)
	Bagaha-2	Panchayant Government Bhawan to Shera Tola	2.700	11/06.01.20	240.250	287.39	22.47
	Bagaha-2	Lachhanahi South Tola To Bisfatwa Tola	1.850	2133/24.09.20	219.260	218.62	6.22

- निर्माण कार्य एम0एम0जी0एस0वाई0 योजना की मार्गदर्शिका के अनुरूप किया जाएगा।
- स्वीकृत प्राक्कलन की जाँच अधीक्षण अभियंता, अपने स्तर से कर लेंगे यदि किसी प्रकार की संशोधन की आवश्यकता हो, तो मुख्यालय को सूचित करेंगे।
- समर्पित किए गए प्राक्कलन की तकनीकी स्वीकृति इस आधार पर दी जाती है कि प्रस्तुत किए गए प्राक्कलन वास्तविक कार्य स्थल के निर्माण के लिए कार्य स्थल के अनुरूप तैयार की गई है, जिसमें पथ एवं पुल निरूपण सम्बंधित सारी आवश्यकता पूरी कर ली गई है।
- अधीक्षण अभियंता, पथों का निरीक्षण प्रतिवेदन एवं कार्यों के संबंध में समीक्षात्मक टिप्पणी मुख्यालय को 5वीं तिथि को उपलब्ध कराना सुनिश्चित करेंगे।
- पुनरीक्षित प्राक्कलन के नये मदों का दर प्राथमिक एकरारनामा के दर से निर्धारित होगी, जिसका तात्पर्य यह है कि प्राथमिक एकरारनामा के समय सक्षम पदाधिकारी द्वारा अनुमोदित दर अतिरिक्त मद की दर के लिए मार्गदर्शक होगी। यह उससे कम हो सकती है किन्तु किसी भी परिस्थिति में यह प्राथमिक एकरारनामा की दर से अधिक नहीं होगी। प्राक्कलन की स्वीकृति दरों की स्वीकृति नहीं समझी जाये।

7. पुनरीक्षित प्राक्कलन का दर मूल एकरारनामा के दर के समान होगा तथा नया मद का दर भी मूल एकरारनामा के दर पर आधारित होगा।
 8. अधीक्षण अभियंता, कार्य अंचल, बेतिया ऐसे मदों के दर जो अनुसूचित दर में नहीं है, कर दर अपने अंचल स्तर से राज्यस्तरीय, अनुसूचित दर निर्धारण समिति के द्वारा अनुमोदित सामाग्रियों के दर के आधार पर MORD Data book analysis के आधार पर दर विश्लेषण करते हुए मुख्यालय को सूचित करेंगे। ताकि मुख्यालय अनुसूचित दर निर्धारण समिति की बैठक में उसका अनुमोदन का S.O.R तैयार करने की दिशा में कार्रवाई की जा सके।
 9. स्थल पदाधिकारी द्वारा लम्ब काट एवं आड़ी काट के आधार पर मिट्टी की मात्रा की गणना कर भुगतान किया जायेगा।
 10. अधीक्षण अभियंता, कार्य अंचल, बेतिया को निदेश दिया जाता है कि नये मद का दर विश्लेषण जाँच कर संतुष्ट हो लें एवं पुनरीक्षित तकनीकी स्वीकृति के उपरान्त लोक निर्माण संहिता के सुसंगत कंडिका के अनुरूप अग्रेतर आवश्यक कार्रवाई करेंगे।
- अनु०- स्वीकृत प्राक्कलन की मूल प्रति।

विश्वासभाजन

मुख्य अभियंता-3, पटना

ज्ञापांक:- 2233

प्रतिलिपि:- कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, बगहा-2 को सूचनार्थ एवं आवश्यक कार्रवाई हेतु अग्रसारित।

पटना, दिनांक:- 13-9-22

मुख्य अभियंता-3, पटना

ज्ञापांक:- 2233

प्रतिलिपि:- नोडल पदाधिकारी, एम०एम०जी०एस०वाई० योजना/एफ०डी०आर० योजना, ग्रामीण कार्य विभाग, बिहार, पटना को सूचनार्थ एवं आवश्यक कार्रवाई हेतु अग्रसारित।

पटना, दिनांक:- 13-9-22

मुख्य अभियंता-3, पटना