

OFFICE OF THE EXECUTIVE ENGINEER

Rural Works Department Works Division, Muzaffarpur, East-II

1. Name of Work :- Construction of Road & CD work of "1. T03 to Bandhpura (Bangra)(VR15), 2. Mohana(T03) to Chichori (Basant), 3. T03 (Dharaul) to Belpakauna Maheshpatti(VR13) (Block- Katra)Under Scheme PMGSY Revised - Work Done and Full Restoration(FDR 2021)

No. of roads :- 3 Nos.

Length of the road :- 1.305 KM+2.209 + 2.826 KM

Name of Agency & Address :- Shubham Construction,
Bhagwanpur Chowk, Muzaffarpur, PIN No-842001
PAN No-ABEFS8015Q
Mob- 7091594932

Agreement No. :- ^{Supplement} Mail No- shubhamconstructionmuz@gmail.com

Approval of Rate :- Revised Agreement Of PMGSY/SBD-07/2013-14

Revised BOQ Amount :- Revised BOQ Sanctioned By S.E, Works
Circle, Muz. Vide Lt No-1348 Date -06.10.2023

Rs. 10553000.00+19252166.00+2234500.00=52150166.00

As Per Previous Agreement Value of the work

No	Cost	T03 to Bandhpura (Bangra)(VR15)	Mohana(T03) to Chichori (Basant)	T03 (Dharaul) to Belpakauna Maheshpatti(VR13)	Total
(a)	Construction Cost	8254980.00	13716026.00	18635298.00	40606304.00
(b)	Maintenance Cost	1174866.00	1998869.00	2572804.00	5746539.00
		9429846.00	15714895.00	21208102.00	46352843.00

Total - 46352843.00 (Rs Four Crore Sixty Three Lakh

Fifty Two Thousand Eight Hundred Forty Three only)

^{Supplement} On 3.51% Below of schedule rate

8.(a) Revised Agreement Value of the work

S.No	Cost	T03 to Bandhpura (Bangra)(VR15)	Mohana(T03) to Chichori (Basant)	T03 (Dharaul) to Belpakauna Maheshpatti(VR13)	Total
(a)	Construction Cost(Work Done As Per MB) :-	7264967.00	13022868.00	16849662.00	37137497.00
(b)	Work Done/ to be done under Full Restoration (FDR) ---	2124698.00	4250279.00	2948232.00	9323209.00
(C)	Maintenance Cost	1163234.00	1979078.00	2547331.00	5689643.00
		10552899.00	19252225.00	22345225.00	52150349.00
	Limit & Say For Rs-	10553000.00	19252166.00	22345000.00	52150166.00
	Different Amount :-	52150166.00-46352843.00=5797323.00			

9. Performance security (Including :- SD 2.5% = 233100.00
Additional S.D Required(1.00%) = 93500.00
326600.00

SHUBHAM CONSTRUCTIONS

Handwritten Signature
Partner

Handwritten Signature
Executive Engineer
PWD Works Division
Muzaffarpur East- 2

Performance security (including earnest money) deposited by the agency in the form of Bank Guarantee/Term Deposit/N.S.C. amounting to Rs. 341500:-
The details are as follows:-

Bank Name & Branch Address	B.G./T.D./N.S.C. No.	Issue Date	Expiry Date	Amount
PNB Bank, Zila Panshet, Muzaffarpur	FD-616700DP00015127	01-03-2018	01-03-2019	196500:-
PNB Bank, Zila Panshet, Muzaffarpur	FD-616700DP00014915	21-7-2018	21-07-2019	Rs. 145000:-
Total				341500:-

Date of Work Order :- 20.02.2014 (Previous)
(Current)

Date of Completion :- 03 Months For issue of Current Work Order
(For new revised Work.)

Security deposit :- 7.5% to be deducted from the gross amount of each running bill.

Defect liability period :- Five years from the actual date of completion of the work.

Refund of performance security & security deposit :- After five years from the actual date of completion of the work.

PMGSY, SBD Rules, terms & conditions will be also parts & Applicable in this Agreement.

SHUBHAM CONSTRUCTIONS

Signature

Partner

Executive Engineer
Rural Works Department
Work Division, Muzaffarpur, East-II

Signature
Executive Engineer
RWD Works Division
Muzaffarpur East-II



BIHAR 2695 13/10/23 1000 सुशम कंस्ट्रक्शन्स AL 640900
 मजदूर का नाम मजदूर के नाम पर मजदूर के नाम पर
 मजदूर का नाम मजदूर के नाम पर मजदूर के नाम पर

Revised AGREEMENT Of

Agreement No. Revised Agreement Of PMGSY/SBD-07/2013-14

This agreement, made on the day between Executive Engineer, Rural Works Department, Work Division, Muzaffarpur, East-II (name and address of Emoloyer) here in after called "the employer" and Shubham Construction. Bhagwanpur Chowk, Muzaffarpur, PIN No-842001, PAN No-ABEFS8015Q, Mob-7091594932, Mail No- shubhamconstructionmuz@gmail.com (name and address of contractor) here in contractor "on the other part.

1. T03 to Bandhpura (Bangra)(VR15), 2. Mohana(T03) to Chichori (Basant), 3. T03 (Dharaul) to Belpakauna Maheshpatti(VR13) (Block- Katra) Under Scheme PMGSY Revised - Work Done and Full Restoration(FDR 2021) . Block and Work done/To be done under Full restoration of Work due to damage in Flood/ Heavy rain fall 2021. Which is Sanctioned by Chief Engineer-3 Bihar Patna for Rs 10553000.00+19252166.00+2234500.00=52150166.00 Revised B.O.Q approved by S.E Work Circle Muzaffarpur Vide Letter No. 1348 Dated 06.10.2023 for Rs 10553000.00+19252166.00+2234500.00=52150166.00 Details as below:-

(1) Construction Cost-

(a) Already Work Done as Per M.B -

Rs -37137497.00

(b) Work Done/ to be done under Full Restoration (FDR) Rs- 9323209.00

Total Rs-46460706.00

Rs-5689643.00

(2) Maintainace Cost -

52150349.00

Limit & Say For Total Revised Agreement Rs-52150166.00

SHUBHAM CONSTRUCTIONS

Partner

Partner

C. H. F. Copy

Executive Engineer
 RWD - Work Division
 Muzaffarpur East-II

17/10/23

अधीक्षण अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य अंचल, मुजफ्फरपुर।

पत्रांक:- 1348 319

मुज०/दिनांक:- 06/10/23

प्रेषक,

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

सेवा में,

कार्यपालक अभियन्ता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, मुजफ्फरपुर पूर्वी-2

विषय:-

शीर्ष FDR योजनान्तर्गत पथों का पुनरीक्षित परिमाण-विपत्र अनुमोदन के संबंध में।

प्रसंग:-

आपका पत्रांक-2193 अनु० दिनांक-22.09.2023 एवं पत्रांक-2331 अनु० दिनांक-06.10.2023।

महाराज,

उपर्युक्त विषयक आपके प्रासंगिक पत्र से प्राप्त शीर्ष FDR योजनान्तर्गत निम्नलिखित पथों का पुनरीक्षित परिमाण-विपत्र अनुमोदनोपरान्त आवश्यक कार्रवाई हेतु भेजी जा रही है:-

Sl. No	Block	Name of Road	Length in Km	Revised BOQ Amount in Lakh
1	Katra	L030-T03 to Bandpura Bangara (VR15)	1.305	1,05,53,000.00
2	Katra	L028-Dharaul to Belpakauna Mahesh Patti (VR13)	2.826	2,23,45,000.00
3	Katra	Mahana (T03) to Chichori (Basant)	2.209	1,92,52,144.00

अनु०:-यथोक्त।

विश्वासभाजन

अधीक्षण अभियंता
ग्रामीण कार्य विभाग, कार्य अंचल
मुजफ्फरपुर।

SHUBHAM CONSTRUCTION

Shil Arora
Partner

Sof
Executive Engineer
RWD Works Division
Muzaffarpur East-2

BILL OF QUANTITY

NAME OF ROAD: Linkup For Permanent Restoration of Road From 183 (Gharu) to
to Mukund Nalpath

Length: 2.826 KM

to be done

DISTRICT: Muzaffarpur

1. Description of work

No. or
Qty.

Unit

Estimated Rate

AMOUNT
Rs. P

Figure

Words

1. Clearing and grubbing Road Land including
removal of all vegetation
and trees etc. up to 100mm diameter saplings and trees of girth upto
100mm. removal of stumps of such trees cut within
100mm diameter materials & stacking of serviceable
materials to be used or auctioned upto a limit of
100mm including removal and disposal of top organic
soil and underlying 150mm in thickness as per
Technical Specification Clause 201.1

2.24

ha

30415.14

Rupees Thirty
Thousand Four
Hundred Fifteen And
Paise Fourteen Only

68251.57

2. Paving for making up existing metalled road surface

2970.00

Cum

15.57

Rupees Fifteen And
Paise Fifty Seven
Only

46242.90

3. Laying the Piers: Providing & Fixing of Working
drawn Piers 2 nos. per km & 6 Nos. of
retention piers required for 1 Km. as per drawings
given and direction of L&T

2.83

km

18449.85

Rupees Eighteen
Thousand Four
Hundred Forty Nine
And Paise Sixty Five
Only

52138.71

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
level and compacting to meet requirement of Tables
300 1 & 300 2 with a lead upto 100 m as per
Technical Specification Clause 301.5

6229.60

Cum

134.75

Rupees One Hundred
Thirty Four And Paise
Seventy Five Only

839438.60

5. Construction of subgrade and earthen shoulders with
approved material obtained from borrow pits with all
and loads, transporting to site, spreading,
grading to required stage and compacted to meet
requirement of Table 300 2 with lead upto 1000 m as
per Technical Specification Clause 303.1.

1557.40

Cum

172.41

Rupees One Hundred
Seventy Two And
Paise Forty One Only

268511.33

6. Subgrade upto 100 m

4975.78

Cum

136.02

Rupees One Hundred
Thirty Six And Paise
Two Only

676805.60

7. Construction of granular sub-base by providing well
graded material, spreading in uniform layers with
water spreader on prepared surface, mixing by mix in
place method with rotavator at OMC, and
compacting with smooth wheel roller to achieve the
required density, complete as per Technical
Specification Clause 401. For Grading II Material

2092.33

Cum

2357.04

Rupees Two
Thousand Three
Hundred Fifty Seven
And Paise Four Only

4931705.50

8. Laying, spreading and compacting stone
aggregate of specific sizes to water bound
base specification including spreading in
uniform thickness, hand packing, rolling with three
ton 8000 KN static roller in stages to proper
density, applying and brooming,
and packing to fill up the interstices of coarse
material, and compacting to the required
density as per Technical Specification
Clause 401.5

909.20

Cum

3433.43

Rupees Three
Thousand Four
Hundred Thirty Three
And Paise Forty
Three Only

3121690.35

SHUBHAM CONSTRUCTIONS

Shubham

Partner

Sah
Executive Engineer
RWD Works Division
Muzaffarpur East-1

1. OF ROAD - Estimate For Permanent Restoration of Road From T03 (Dhamu) to
T04 (Mishra)

Length:- 2.826 KM

Description of work	DISTRICT - Muzaffarpur		Estimated Rate		AMOUNT Rs. P
	No. or Qty.	Unit	Figure	Words	
1. Laying, spreading and compacting stone subgrade of specific sizes to water bound subgrade specification including spreading in uniform thickness, hand packing, rolling with smooth roller roller 80-100 kN in stages to proper grade and compacting, 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. WBM (Grading 3) (By Mechanical Means)	935.62	Cum	4205.60	Rupees Four Thousand Two Hundred Five And Paise Sixty Only	3934850.54
2. Laying and applying primer coat with bitumen emulsion (55-1) on prepared surface of granular subgrade including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per Technical Specification Clause 407.	12474.91	Sqm	47.51	Rupees Forty Seven And Paise Fifty One Only	592682.77
3. Laying and applying tack coat with Bitumen emulsion (55-1) using emulsion distributor at the rate of 0.20 to 0.25 kg per sqm on the prepared bituminous surface cleaned with hydraulic blower as per Technical Specification clause 503.	16143.75	Sqm	16.29	Rupees Sixteen And Paise Twenty Nine Only	262981.69
4. Laying and rolling of open graded premix concrete of 70 mm thickness composed of 13.2 mm to 4.75 mm aggregates either using penetration grade emulsion or emulsion is required line, grade and level as per design as wearing course on a previously prepared subgrade including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per Technical Specification Clause 508.	16143.75	Sqm	196.19	Rupees One Hundred Ninety Six And Paise Nineteen Only	3167242.31
5. Laying and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type B, as per Technical Specification Clause 510 (Case - II : Type B)	16143.75	Sqm	92.12	Rupees Ninety Two And Paise Twelve Only	1487162.25
6. Construction of an 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 M30 (Grade). The concrete shall be aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, placed in a concrete mixer of not less than 0.7 m ³ capacity and appropriate weigh batcher using approach mix design laid in approved fixed side formwork (steel channel, laying and lacing of 125 mm x 125 mm polythene film, wedges, steel plates including leveling the formwork as per drawing). Screeding the concrete with shovels, rakes, screeding using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, guard rails, near approaches to bridge/culvert and drainage gullies, admixtures as approved, curing of concrete slabs for 14 days, using curing compound (as per specification) and water finishing to lines and joints as per drawing and Technical Specification Clause 1501.	14.96	Cum	7553.57	Rupees Seven Thousand Five Hundred Fifty Three And Paise Fifty Seven Only	113001.41

SHUBHAM CONSTRUCTIONS

Adil Khan

Partner

Sd/-
Executive Engineer
RWD Works Division
Muzaffarpur East- 2

Length: 2.826 KM

Dr. M. J. Allen

Three conditions of work

1994-1995 - Most effective

No. of Libs	Unit
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Estimated Rate

AMOUNT
R. P.

p9409_41

Processing and testing of beam reflector and antenna properties and information supplied per IIR to make a comparison with type reflector mounting value known. IIR 2.1 listed some information sheets. IIR 2.2 and 2.3 suggested an a wide sheet angle and used a beam reflector to study beam loss in the ground by means of properly designed foundation with MBI.

1. IIR 2.4 suggested a beam reflector 1740 mm x 1740 mm (58 ft x 58 ft) with beam loss in the ground and a beam reflector 1740 mm x 1740 mm (58 ft x 58 ft) with beam loss in the ground and a beam reflector 1740 mm x 1740 mm (58 ft x 58 ft) with beam loss in the ground.

Case	Year	Location	Population	Incidence	Prevalence	Notes
1	1998	USA	250,000	1.5	0.5	First case
2	2000	USA	300,000	2.0	0.7	Second case
3	2002	USA	350,000	2.5	0.9	Third case
4	2004	USA	400,000	3.0	1.1	Fourth case
5	2006	USA	450,000	3.5	1.3	Fifth case
6	2008	USA	500,000	4.0	1.5	Sixth case
7	2010	USA	550,000	4.5	1.7	Seventh case
8	2012	USA	600,000	5.0	1.9	Eighth case
9	2014	USA	650,000	5.5	2.1	Ninth case
10	2016	USA	700,000	6.0	2.3	Tenth case

1413 SM

Rupons One
Thousand Five
Hundred Thirteen
And Paise Ninety

48937.14

and Trace Identification Board

7.00 11.00

9514-04

And Palee Ninety
Hupues One
Thousand Six
Hundred Fourteen
And Palee Sixty Four

11302.48

10. Fabrication and fitting of typical MMS/SSY intermediary support (used with 4 legs as per MMS/SSY specifications) as follows: These MS Plates, of 10 mm thick, top and middle plate only, welded with MS flat bar 25mm x 10mm x 6mm on all edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 6mm. The angle iron frame of the lower most plate (middle and bottom of middle plate) will be welded in 2 (two) frame x 4 (four) of 12.5MM/16 sheet tubes posts only, embedded in cement concrete. M 15 grade concrete. 1 (bottom x 4 (four) x 6 (six)mm x 6 (six)mm below middle plate. The top most damaged plate will be welded with middle plate by 4 (four) x 4 (four) of 12.5MM/16 sheet tubes. All MS will be done chromium to 300 microns, following and grinding smooth, hand sanded with 1 (one) coat with ready mixed synthetic enamel paint of topmost quality in required shade and colour. The surface of fitted posts and steel tube will be painted with primer and two coats of epoxy paint as per clause 1.005 and Appendix 1.001.1

2.00 BUS

8258.14

And Paise Sixty Four
Rupees Eight
Thousand Two
Hundred Fifty Eight
And Paise Fourteen
Only

16516.28

④ Reinforced concrete: M15 grade concrete
⑤ Standard shape of standard design as per IRC:8
⑥ All dimensions including painting and pointing, etc.
⑦ as per drawing and Technical Specification Clause
⑧ (Refer to Item 100)

4.00 14.25

2291.18

8 Rupees Two
Thousand Two
Hundred Ninety One
And Paise Eighty
Eight Only

9167-52

and the topography of the line, seeds of perennial grasses growing on embankment slopes, searages on the bank, etc. are taken on the drawing or as described by the engineer including preparation of ground, clearing of lands and watering on job. Technical drawing of lands: 100.

1149751 Same

412

21 Rupees Forty Seven
And Paise Twenty
One Only

920240.93

SHUBHAM CONSTRUCTIONS

Adrian S. S. S.
Partner

Executive Engineer
RWD Works Division
Kuzaffarpur East-2

NAM: OR ROAD - Estimate For Permanent Restoration of Road From 103 (Channel) to Subphara Main Road

Work Rate

Description of work

DISTRICT - Muzaffarpur

No. or Qty.

Unit

Estimated Rate

AMOUNT
Rs. P

Length -

2.828 KM

Figure

Words

Rupees Thirty Three Thousand Sixty Nine And Paise Nine Only

33069.09

334470.19

Rupees Three Lakh(s) Thirty Four Thousand Four Hundred Seventy And Paise Nineteen Only

334470.19

569509.97

Rupees Five Lakh(s) Sixty Nine Thousand Five Hundred Nine And Paise Ninety Seven Only

569509.97

651485.60

Rupees Six Lakh(s) Fifty One Thousand Four Hundred Eighty Five And Paise Sixty Only

651485.60

1051460.52

Rupees Ten Lakh(s) Fifty One Thousand Four Hundred Sixty And Paise Fifty Two Only

1051460.52

Total Estimated Cost in Figures

Quoted Amount

23272243.00

23272242.66

Quoted Rate in Words

Rupees Two Crore Thirty Two Lakh(s) Seventy Two Thousand Two Hundred Forty Three Only

less 2.51% below as per agreement

less for old price cost

8,16,855.75

1,10,160.00

2,23,45,226.9

Executive Engineer
RWD Works Division
Muzaffarpur East-2

Say B 2,23,45,227.00

B.O.Q. approved for Rs. 2,32,72,243.00

Rupees Two Crore Thirty two Lakh(s) Seventy two

Thousand four Hundred forty three Only

Accepted Copy

Superintending Engineer
Rural Works Department
Work Circle, Muzaffarpur

Sd/-
Superintending Engineer
Rural Works Department
Work Circle, Muzaffarpur

SHUBHAM CONSTRUCTIONS

Partner

Partner

Executive Engineer
RWD Works Division
Muzaffarpur East-2

Revised

B.O.Q. approved for Rs. 2,23,45,227.00
Rupees Two 0 Crore twenty three lakh fifty five thousand two hundred twenty seven only

SHUBHAM CONSTRUCTIONS

 s/b
Partner


Superintending Engineer
Rural Works Department
Work Circle Muzaffarpur

06/10/23


Executive Engineer
PWD Works Division
Muzaffarpur East-2

Tender Inviting Authority: CHIEF ENGINEER WORKS-1

Name of Work: Construction of Road & CD Works of : Mahana (T03) to Chicheori (Basant) , Package No-0, CNCPL No. : 0, Link No. : 0, Length : 220 Km, Block : Kaza, District : Muzaffarpur (East-1), UNDER MMGSY, Construction Cost of Road : 181.425 Lacs & 5 Years Maintenance Cost : 20.511 Lacs

Contract No: Civil Works/

Contract No: Civil Works/

Bidder Name:

Excess (+) %

SCHEDULE OF WORKS

(This Bidding 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)

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
1 (a)	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	1.758	Hect	30415.140	53500.00
2 (a)	Cutting of trees, including cutting of trunks, branches and removal of stumps & roots, refilling, compaction of backfilling and stacking of serviceable material by manual means with all lifts as per Technical Specification Clause 201	0.000	No.	156.710	
3 (a)	a) Girth from 300mm to 600mm	0.000	No.	236.250	
4 (a)	b) Girth from 600mm to 900mm	0.000	No.	320.270	
5 (a)	Dismantling of Structures Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202.	0.000	Cum	726.050	
6 (a)	Dismantling of Structures Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202. By Manual Means Reinforced Cement Concrete	0.000	Cum		

SHUBHAM CONSTRUCTIONS

Signature

Partner

Signature
Executive Engineer
PWD Works Division 1 of 6
Muzaffarpur East-2

Signature of tenderer with seal

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
6.00	Dismantling of Structures Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and load of 1000 m as per Technical Specification Clause 202. (By Manual Means Cement Mortar)	0.000	Cum	284.500	—
7.00	Labour for picking up existing metalled road surface to a specified average depth including screening and stacking the pavement materials for average depth above 75 mm but not exceeding 150 mm by manual means	4042.500	Sqm	15.573	62955.36
8.00	Deduction of cost for brick obtained from existing pavement (considering 30% wastage of total area of picked up brick)	30215.880	No.	4.567	179900.00
8.00	Setting out (i) Construction of Reference & Working Benchmark = 3 Nos. & 9 Nos. Respectively (ii) Construction of Reference Pillars/Burjees = 86 Nos	2.210	Km	18307.800	40480.00
10.00	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	0.000	M	103.330	—
11.00	Construction of embankment with approved material obtained from borrow pits with a lift up to 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 up to 1000 m as per Technical Specification Clause 301.5S0R Item No.-3.4	398.201	Cum	171.120	68140.21
12.00	Construction of embankment with approved material obtained from borrow pits with a lift up to 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 up to 100 m as per Technical Specification Clause 301.5S0R Item No.-3.5 (ii)	4276.530	Cum	134.750	576275.89
13.00	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all 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.	921.002	Cum	172.410	158790.00
14.00	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 100 m as per Technical Specification Clause 303.1.	3685.000	Cum	136.020	501233.70
15.00	GSS Grading II Material Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement 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. (By mix in place method) For Grading II Material	1680.366	Cum	2304.200	3894942.05

Signature of Tenderer with seal

SHUBHAM CONSTRUCTIONS

Ad. Kumar
Partner

2 of 6

sdh
Executive Engineer
PWD Works Division
Muzaffarpur East-2

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
16 (ii)	WBM Grading 2 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/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405.	802.356	cum	3328.140	2668746.88
17 (iii)	WBM Grading 3 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/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405.	886.204	cum	4105.560	3564464.44
18 (ii)	Primer coat Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	11577.430	Sqm	47.470	549580.60
19 (ii)	Tack coat Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 50	16757.070	Sqm	16.280	272805.10
20 (ii)	20mm thick Open-Graded Premix Carpet using Bituminous (penetration grade/modified bitumen) Binder Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion 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 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per Technical Specification Clause 508.	16757.070	Sqm	194.265	3255319.08
21 (ii)	Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510	16757.070	Sqm	91.455	1532512.83

SHUBHAM CONSTRUCTIONS

[Signature]
Partner

Signature of Tenderer with seal

[Signature]
Executive Engineer
RWD Works Division
Muzaffargarh

Sl No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
22.00	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 1001.2.2 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 bridge/culvert and 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 1001SOR item No.-5.4	7.125	Cum	7447.380	53082.58
23.00	Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminum sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 SOR Item No.-10.2 A (1)(a) 600 mm equilateral triangle	23.000	No	1436.430	33037.89
24.00	(b) 600 mm circular	10.000	No	1501.350	15013.50
25.00	Semi Reflective Direction & Place Identification Sign	7.000	No	1602.060	11214.42
26.00	Providing and fixing of typical PMGSY 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 and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	2.000	No	8232.970	16465.94

SHUBHAM CONSTRUCTIONS

Shubham
Partner

Signature of Tenderer with seal

Sd/-
Executive Engineer ^{4 of 6}
PWD Works Division
Muzaffargarh District

	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
27.00	Kilometre Stone Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC:8 lying in position including painting and printing, etc as per drawing and Technical Specification Clause 1703 Ordinary Kilometer Stone (Pre-cast)	4.000	No	2264.910	9059.64
28.00	200mm Stone (Pre-cast)	0.000	No	592.430	
29.00	RCC HP3 A 300 mm dia (As conduit)	20.000	M	982.810	19656.20
30.00	Earthwork in excavation for foundation of structures up to 3m depth as per drawing and technical specification Clause 1104 including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.	0.000	Cum	159.220	
31.00	Backfilling in foundation trenches as per drawing and technical specification clause 1105	0.000	Cum	540.240	
32.00	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications clause 802,803,1202&1203 PCC M-10	0.000	Cum	6171.500	
33.00	Brick masonry work in cement mortar in foundation complete excluding pointing and plastering as per drawing and technical specifications Clauses 600, 1202 & 1203	0.000	Cum	4967.340	
34.00	Brick masonry work in cement mortar in substructure complete excluding pointing and plastering, as per drawing and technical specifications clauses 602,603,604, 1202&1204	0.000	Cum	5176.660	
35.00	Plastering with cement mortar (1:4), 15 mm thick on brickwork in substructure as per technical specification clauses 613.4 & 1204	0.000	Sqm	161.320	
36.00	Net Cement Putting on cement plaster surface including cost of cement labour curing and all other incidental charge	0.000	Sqm	44.750	
37.00	Providing & Laying reinforced cement concrete in superstructure as per drawing and technical specifications clauses 800,1205.4 and 1205.5 R.C.C. M-25	0.000	Cum	7944.700	
38.00	Supplying, fitting, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002,1010 and 1202	0.000	MT	60089.230	
39.00	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 616,709,1204.3.7	0.000	Nos	111.000	
40.00	Earthwork in excavation for foundation of structures up to 3m depth as per drawing and technical specification Clause 1104 including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.	0.000	Cum	159.220	
41.00	Sand filling as per technical spe	0.000	Nos	540.240	
42.00	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications clause 802,803,1202&1203	0.000	Cum	5886.450	

Signature of Tenderer with seal

SHUBHAM CONSTRUCTIONS

Asst. Engineer
Partner

Executive Engineer
PWD Works Division
Buzaff, Dist. Bhatnagar

3 of 6

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
43.00	Turfing with Soda Furnishing and laying of the live sods of perennial turf forming grass on embankment slope verges or other location shown on the drawing or as direction by the engineer	12822.008	Sqm	47.212	605350.23
Total Construction Cost :					17901427.52
As per Below 3.51%					628340.11
Total Construction Cost :					17273087.41
44.00	Maintenance for 1st year	1.000	Year	28947.73	28947.73
45.00	Maintenance for 2nd year	1.000	Year	281198.20	281198.20
46.00	Maintenance for 3rd year	1.000	Year	441795.71	441795.71
47.00	Maintenance for 4th year	1.000	Year	505635.84	505635.84
48.00	Maintenance for 5th year	1.000	Year	812493.35	812493.35
Five Year Maintenance Cost :					2051070.83
As per Below 3.51%					71992.59
Five Year Maintenance Cost :					1979078.24
Total Estimated Cost in Figures					19252165.66
Bidding Amount					1,92,52,166.00
Quoted Rate in Words					

B.O.Q. approved for Rs. 1,92,52,166.00
 Rupees one Crore Ninety two lakh fifty two Thousand one Hundred Six Six Only

[Signature]
 06.10.2023
 Superintending Engineer
 Rural Works Department
 Work Circle: Muzaffarpur
[Signature]
 06/10/23

SHUBHAM CONSTRUCTIONS
[Signature] SIB
 Partner

[Signature]
 Executive Engineer
 PWD Works Division
 Muzaffarpur Circle

Excess (+) %

SCHEDULE OF WORKS

The above schedule of work should be updated after filling the relevant column, also
 the following are allowed to enter the Bidder Name and Value only

Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. /
Clearing and grubbing road land including uprooting and grubbing grass, bushes, shrubs, saplings and removal of stump upto 100 mm, removal of stumps of such size, cut material and disposal of unserviceable material and stacking of serviceable material to be used or otherwise, upto a load of 1000 m including disposal and disposal of top organic soil not exceeding 100 mm in thickness as per Technical Specification Clause 201	1.038	Hect	30415.140	31570.12
Grubbing of trees, including cutting of trunks, branches and removal of stumps & roots, refilling, compaction of material and stacking of serviceable material by machine method with all lifts as per Technical Specification Clause 201	0.000	No.	158.710	—
Grubbing of trees within 600mm	0.000	No.	236.250	—
Grubbing of trees within 900mm	0.000	Cum	320.270	—
Removal of existing structures like culverts, bridges, retaining walls and other structures comprising of masonry, concrete, wood work, steel work, scaffolding and scaffolding wherever necessary, disposal of dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and load of 1000 m as per Technical Specification Clause 202	0.000	Cum	726.050	—
Removal of existing structures like culverts, bridges, retaining walls and other structures comprising of masonry, concrete, wood work, steel work, scaffolding and scaffolding wherever necessary, disposal of dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and load of 1000 m as per Technical Specification Clause 202	0.000	Cum	254.580	—
Removal of existing structures like culverts, bridges, retaining walls and other structures comprising of masonry, concrete, wood work, steel work, scaffolding and scaffolding wherever necessary, disposal of dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and load of 1000 m as per Technical Specification Clause 202	0.000	Cum	254.580	—

SHUBHAM CONSTRUCTIONS
 Partner

Executive Engineer
 PWD Works Division
 Lucknow

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
Labour for picking up existing installed road surface to a specified average depth including screening and stacking the pavement materials for average depth above 150 mm but not exceeding 150 mm by manual method	3584.250	Sqm	15.570	55962.47
Deduction of cost for truck obtained from existing pavement considering 30% wastage of total area of picked up truck	36000.000	Nos	4.590	165240.00
Labour for picking up	1.305	Km	18348.250	23944.47
Construction of Reference & Working Benchmark - 1 Nos. & 1 Nos. Respectively	0.000	M	139.720	-
Construction of Reference & Working Benchmark - 1 Nos. & 1 Nos. Respectively	0.000	M	139.720	-
Construction of embankment with approved material obtained from borrow pits with a lift up to 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 up to 1000 m as per Technical Specification Clause 301.55OR Item No. 3.4	985.640	Cum	171.120	168662.72
Construction of embankment with approved material obtained from borrow pits with a lift up to 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 up to 100 m as per Technical Specification Clause 301.55OR Item No. 3.5	1102.580	Cum	134.750	148577.96
Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all trucks 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	530.000	Cum	172.410	91377.30
Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all trucks transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 100 m as per Technical Specification Clause 303.1	2567.350	Cum	136.020	349177.30
Construction of granular sub-base by providing well graded material spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator or GME and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401	1015.390	Cum	2319.300	2354150.00
Construction of granular sub-base by providing well graded material spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator or GME and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401	423.554	Cum	3356.800	1421720.00

20

SHUBHAM CONSTRUCTIONS

Partner

Executive Engineer
PWD Works Division
A. Jaffar

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
1. Wet Mix Grading 2 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 scattering/spreading materials to fill up the interstices of coarse aggregate, wetting and compacting as per Technical Specification Clause 601.	447.72	sqm	4134.140	1849084.13
Prime coat Providing and applying prime coat with Bitumen emulsion (RS 1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.75 - 1.0 kg/sqm using mechanical means as per Technical Specification Clause 602.	5963.370	sqm	47.480	283140.81
Back coat Providing and applying back coat with Bitumen emulsion (RS 1) using mechanical distributor at the rate of 0.25 to 0.40 kg per sqm on the prepared granular surface treated with primer & covered with hydraulic broom as per Technical Specification Clause 603.	9436.000	sqm	10.280	15.90
20mm thick Open-Graded Porous Carpet using Bituminous granulation preformed bitumen binder Providing, laying and rolling of open graded porous carpet of 20 mm thickness comprising of 14.8 mm to 5.5 mm aggregate mixed having preformed grade bitumen or emulsion in required base, grade and level to serve as wearing surface on a previously prepared base including cleaning of a suitable area, laying and rolling with a Road roller for full and water roller capacity finished to required level and grades to be achieved by use of one of roller Type A or Type B or Type C as per Technical Specification Clause 604.	9436.000	sqm	104.814	1838072.60
3. Seal coat Providing and applying seal coat wearing the work as a bituminous surface coat to the prepared base, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 605.	9436.000	sqm	91.644	864.14

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SHUBHAM CONSTRUCTIONS

Ashish S. S. S.
Partner

S. S. S.
Executive Engineer
PWD Works Division
Kuzaffapur Circle

Description of work	No. or Qty	Unit	Estimated Rate Figure	AMOUNT Rs. P
Reinforced concrete sample M15 grade hollow cylindrical stone of standard design as per IRC 8 being in position including painting and pointing etc as per drawing and technical specifications clause 1703 (Refer to Reinforced Stone (Pre cast))	2.000	No.	2272.510	4545.02
20mm Stone (Pre cast)	4.000	No.	593.820	2375.28
Excavation for foundation of structures up to 1m depth as per drawing and technical specifications clause 1104 including setting out construction of shoring and bracing removal of slumps and other deleterious matter dressing of sides and bottom and backfilling with approved material	0.000	Cum	159.220	
Providing concrete for plain reinforced concrete in open foundations complete as per drawings and technical specifications clause 802, 803, 1202 & 1203 (PCC M 15)	0.000	Cum	6203.270	
Providing concrete for plain reinforced concrete in open foundations complete as per drawings and technical specifications clause 802, 803, 1202 & 1203 (PCC M 15)	0.000	Cum	5914.980	
Block masonry work in cement mortar in foundation complete including pointing and plastering as per drawings and technical specifications clause 800, 1202 & 1203	0.000	Cum	5182.730	
Plastering with cement mortar (1:4) 15 mm thick on brickwork in substructure as per technical specification clauses 613.4 & 1204	0.000	Sqm	181.920	
Net Cement Plastering on cement plaster surface including cost of cement labour curing and all other incidental charge	0.000	Sqm	44.880	
Shredding and laying reinforced cement concrete pipe NPS 1000 mm dia for culverts on first class bedding of granular material as single row including laying joint and cement mortar 1:2 but excluding excavation, foundation works, backfilling concrete and masonry works at head walls and parapets clause 1100	0.000	M	3795.080	
Shredding and laying boulder apron for rock protection down stream abutment of masonry structure as per clause 1100.1 no fragment weighing less than 25 kg to bed dry complete as per drawing and technical specifications clause 1203	0.000	Cum	2639.150	
Providing and laying pitching on boulder bed and parapets with mortar as per drawings and technical specifications clause 1100	0.000	Cum	2639.150	
Excavation for foundation of structures up to 1m depth as per drawing and technical specifications clause 1104 including setting out construction of shoring and bracing removal of slumps and other deleterious matter dressing of sides and bottom and backfilling with approved material	0.000	Cum	159.220	
Backfilling in foundation with sand as per drawing and technical specifications clause 1105	0.000	Cum	540.240	
Providing concrete for plain reinforced concrete in open foundations complete as per drawings and technical specifications clause 802, 803, 1202 & 1203	0.000	Cum	6203.270	
Block masonry work in substructure in foundation complete including pointing and plastering as per drawings and technical specifications clause 800, 1202 & 1203	0.000	Cum	4073.410	

SHUBHAM CONSTRUCTIONS

Signature
Partner

Signature
Executive Engineer
RWD Works Division
Luzaffa pur East

Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
			Figure	
Brick masonry work in cement mortar in substructure complete including pointing and plastering, as per drawings and technical specifications clauses 613.3 and 1204	0.000	Cum	5182.730	
Plastering with cement mortar (1:4) 1 cum thick on brickwork in substructure as per technical specifications clauses 613.4 & 1204	0.000	Cum	161.920	
Pointing With Cement Mortar (1:3) on Brick Work as per drawing and technical specification clause 613.3 and 1204	0.000	Sqm	44.660	
Providing & Laying reinforced cement concrete in superstructure as per drawing and technical specifications clauses 1100, 1205.4 and 1205.5 (RCC M 25)	0.000	Cum	7976.140	
Supplying, lifting, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1007, 1010 and 1202	0.000	Mt	60102.100	
Providing woodholes 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) (as per drawing) complete as per drawing and technical specifications clauses 616, 705, 1204.3.7	0.000	Nos	111.040	
Drillwork in excavation for foundation of structures up to 2m depth as per drawing and technical specification Clause 1104 including setting out, construction of shoring and bracing, removal of slumps and other obstructions matter, dressing of sides and so	0.000	Cum	159.220	
Hand filling as per technical specification	0.000	Cum	540.240	
Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications clause 602.603, 1202&1203	0.000	Cum	5914.980	
Seeding with Seeds Laying and laying of the live seeds of perennial turf forming grass on embankment slope verges or other location shown on the drawing or as direction by the Engineer	3654.000	Sqm	47.210	172500.51

Total Construction Cost :

97312.72

As per Below 3.51%

3415.81

Total Construction Cost :

9389

Maintenance for 1st year	1.000	Year	15445.56	
Maintenance for 2nd year	1.000	Year	15698.13	15698.13
Maintenance for 3rd year	1.000	Year	259914.54	259914.54
Maintenance for 4th year	1.000	Year	297656.70	297656.70
Maintenance for 5th year	1.000	Year	479833.18	479833.18

Five Year Maintenance Cost :

1206545.1

As per Below 3.51%

42314.7

Five Year Maintenance Cost :

116327.7

Estimated Cost in Figures

105,52,931.00

E.O.C. approved for Rs. 105,52,931.00
 Rupees one crore five lakh fifty two
 Thousand nine hundred ninety only

SHUBHAM CONSTRUCTIONS

Superintending Engineer
 Rural Works Department
 Circle

Executive Engineer
 PWD Works Division
 Kuzaffapur East-2

Executive Engineer
 PWD Works Division
 Kuzaffapur East

Partner