



बिहार सरकार

**OFFICE OF THE EXECUTIVE ENGINEER
R.W.D. WORKS DIVISION, BENIPATTI**

Agreement No.

31 CMBD/2025-26

NAME OF WORK:-

CMBD MMGSY(AWSESH)-NDB-BRRP2-549-BENIPATTI NAME OF ROAD Salempur RCD Road Basesriya TO Bichlatol, Bichkana Harijan Toal TO Navkarhi and Puwam Nandhibjohi Banatpur Road TO Adwari Yadavtola UNDER RWD/ MMGSY (AWSESHSC)/12 (Tender ID-142409)

NAME OF AGENCY:-

Susheel Kumar Chaudhari, At-Ward No 06, Jhajhihat Bazar Pupari, Near Central Bak Pupari, Janakpur Road Sitamarhi, Bihar Pincode: 843320 Email ID-skcccp1@gmail.com, Phone No-90651 05166, (BID ID-622012)

❖ Estimated Cost

Sl.No.	Name of road	Const.Cost (Rs)	Maint. Cost (Rs)	Administrative Cost	Total (Rs)
1	Salempur RCD Road Basesriya TO Bichlatol., Length-3.3800 KM	37167900.00	4102200.00	1072000.00	42342100.00
2	Bichkana Harijan Toal TO NavkarhiLength-2.500 KM	22868900.00	2767000.00	678800.00	26314700.00
3	Puwam Nandhibjohi Banatpur Road TO Adwari Yadavtola. Length-1.500 KM	14265200.00	1651000.00	442200.00	16358400.00
	Total	74302000.00	8520200.00	2193000.00	85015200.00

Total Rs. 8,50,15,200.00 (Rupees Eight crore Fifty lakhs Fifteen thousand Two hundred) only.

❖ Agreement Value

Sl.No.	Name of road	Const.Cost (Rs) (Construction+GST+L.C+ Seigniorage Fee)	Maint. Cost (Rs) (Construction+GST+ L.C+ Seigniorage Fee)	Total (Rs)
1	Salempur RCD Road Basesriya TO Bichlatol., Length-3.3800 KM	36748989.00	3315119.00	40064108.00
2	Bichkana Harijan Toal TO NavkarhiLength-2.500 KM	22595960.00	2384817.00	24980777.00
3	Puwam Nandhibjohi Banatpur Road TO Adwari Yadavtola. Length-1.500 KM	14100097.00	1439546.00	15539645.00
		73445046.00	7139484.00	80584530.00

As per मुख्य अभियंता-6 ग्रामीण कार्य विभाग, दरभंगा का पत्रांक- 1710 दरभंगा, दिनांक-22.09.2025 Rs. 80584530.00 (Rupees Eight Crore Five Lakh Eighty Four Thousand Five Hundred Thirty) Only.

Rate:-

0.21 (Zero Decimal Two One) % Below From B.O.Q Rate

सुशील कुमार चौधरी
Executive Engineer
R.W.D. (W) Division, Benipatti.
Benipatti
04.10.25

Registration No:-

1230114, Class-1, period from-19.04.2023 to 19.04.2028

Mobile No:-

9065105166

e-mail:-

skcccpl@gmail.com

GST No:-

10AKXPC0832B1ZU

PAN No:-

AKXPC0832B

EPF NO-

BRMUZ1612149000

Date of Start:-

22.09.2025

Date of Completion :-

....22.09.2024 months (..12 Months..) For Construction work
with maintenance period up to

Certified that this C.M.B.D. agreement contain

Hand written pages only.

Bkh
04.10.25

Executive Engineer
R.W.D. (W) Division, Benipatti.
Benipatti

सुशील कुमार चौधरी

2/10/2025

Bkh
04.10.25
Executive Engineer
R.W.D. Work Division
Benipatti
04.10.25

Office Of The Executive Engineer
Rural Works Department, Works Division, Benipatti, Madhubani.

Agreement No:- 31CMBD/2025-2026

Name of the Work :- CMBD MMGSY(AWSESH)-NDB-BRRP2-549-BENIPATTI
NAME OF ROAD Salempur RCD Road Basesriya TO
Bichlatol, Bichkana Harijan Toal TO Navkarhi and Puwam
Nandhibjohi Banatpur Road TO Adwari Yadavtola UNDER
RWD/MMGSY (AWSESH SC)/12 (Tender ID-142409)

Name of the Agency :- Susheel Kumar Chaudhari, At-Ward No 06, Jhajhihat
Bazar Pupari, Near Central Bak Pupari, Janakpur Road
Sitamarhi, Bihar Pincode: 843320 Email ID-
skccpl@gmail.com, Phone No- 9065105166,
(BID ID-622012)

Agreement Amount

(Construction+GST+L.C+ Seigniorage Fee) :-

Construction-Rs. 6,05,78,183=00

GST(18%)-Rs. 1,12,03,396=00

L.C(1%)-Rs. 6,05,776=00

Seigniorage Fee-Rs.10,57,691=00

Total Agreement Construction Amount with
Tax (Construction+GST+L.C+SeigniorageFee)

Rupees.7,34,45,046=00(Rupees Seven Crore

Twenty Lakh Eighty One Thousand Eight

Hundred Ninety Seven) Only.

Agreement Amount

(Maintenance+GST+L.C+ Seigniorage Fee) :-

Maintenance -Rs. 58,06,590=00

GST(18%)-Rs. 10,89,074=00

L.C(1%)-Rs. 58,066=00

Seigniorage Fee-Rs.1,85,754=00

Rupees. 71,39,484=00(Rupees Ninety Lakh

Twenty Six Thousand Eight Hundred

Eighty Seven) Only.

Total Agreement Amount:-

Rupees.- 8,05,84,530=00 (Rupees Eight

Crore Five Lakh Eighty Four Thousand

Five Hundred Thirty) Only

Rate Quated:-

0.21 % Below on Schedule Rate.

Total Earnest Money Deposit

(With additional performance security) :- Rs.- 1814000/-

202000 :-
+612000 :-
1814000 :-

Date of Start :- 23.09.2025

Date of Completion :- 22.09.2026

सुशील कुमार चौधरी

27.10.2025

Executive Engineer
RWD Work Division
Benipatti

04.10.25

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000

बिहार BIHAR
26 AUG 2025

2239 19.09.25 न. नं. 1000:000 0000 सुशील कुमार चौधरी
19/09/25 को जारी मो 989386
पुपरी

मो 0 जाकिर हुसैन
पुपरी विस्तार प्र. नि. 0 को 0 पुपरी
मो 0-212007 08 (मो. नि. 0)

AGREEMENT FORM

Agreement

This agreement made the.....Day of.....2025, between Executive Engineer, Rural Works Department, Works Division, Benipatti, of the one part, and Susheel Kumar Chaudhari, At-Ward No 06, Jhajhihat Bazar Pupari, Near Central Bak Pupari, Janakpur Road Sitamarhi, Bihar Pincode: 843320 Email ID-slcccpl@gmail.com, Phone No- 90651 05166 (hereinafter called "the contractor" of the other part)

Whereas the Employer is desirous that the Contractor execute CMBD MMGSY(AWSESH)-NDB-BRRP2-549-BENIPATTI NAME OF ROAD Salempur RCD Road Basesriya TO Bichlatol, Bichkana Harijan Toal TO Navkarhi and Puwam Nandhibjohi Banatpur Road TO Adwari Yadavtola UNDER RWD/ MMGSY (AWSESH SC)/12 (Tender ID-142409) And the Employer has accepted the Bid by the Contractor for the Execution and completion of such works and the remedying of the any defects therein at cost of Rupees.- 8,05,84,530=00 (Rupees Eight Crore Five Lakh Eighty Four Thousand Five Hundred Thirty) Only

CMBD MMGSY(AWSESH)-NDB-BRRP2-549-BENIPATTI
NAME OF ROAD Salempur RCD Road Basesriya TO Bichlatol,
Bichkana Harijan Toal TO Navkarhi and Puwam Nandhibjohi
Banatpur Road TO Adwari Yadavtola UNDER RWD/ MMGSY
(AWSESH SC)/12 (Tender ID-142409)

Length in Km 7.80

Executive Engineer
RWD Work Division
Benipatti
04.10.25

NOW THIS AGREEMENT WITNESSETH as follows:-

1. In this agreement, works and expressions shall have same meanings as are respectively assigned to them in the conditions of contract hereinafter to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In this Agreement of the payment to be made by the employer to the contractor as hereinafter mentioned the works and remedy any defects therein in all aspects with the provisions of the contract.
3. The Employer hereby covenants to pay the contractor in consideration of the execution and completion of the works and remedying the defect wherein the contract price of such as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.
4. Following documents shall be deemed to form and read and construed as part of this Agreement, viz:
 - (1) Letter of Acceptance
 - (2) Notice of proceed with works.
 - (3) Contractor's Bid
 - (4) Contractor data
 - (5) Special conditions of contract and General Conditions of contract.
 - (6) Specification MORD
 - (7) Drawing
 - (8) Bill of quantities, And
 - (9) Other document listed in the contract data as forming part of the contract

In witness where of the parried there to have this Agreement to be the day and first before written.

The common seal of -----

Was here unto affixed in the presence of

Signed, Seal and delivered by the said -----

-----In
the presence of:

Binding Signature of Employer -----

Binding Signature of Contractor -----

सुनील कुमार चौधरी

3/4 21.10.25

04.10.25
Executive Engineer
RWD Work Division
Benipatti
04.10.25

Agreement Details

Name of work:-	CMBD MMGSY(AWSESH)-NDB-BRRP2-549-BENIPATTI NAME OF ROAD Salempur RCD Road Basesriya TO Bichlatol, Bichkana Harijan Toal TO Navkarhi and Puwam Nandhibjohi Banatpur Road TO Adwari Yadavtola UNDER RWD/ MMGSY (AWSESH SC)/12 (Tender ID- 2025_RWD_142409_1) BID ID- 622012	BOQ Amount (Rs.)
Name of Contractor:-	Susheel Kumar Chaudhari, At-Ward No 06, Jhajhihat Bazar Pupari, Near Central Bak Pupari, Janakpur Road Sitamarhi, Bihar Pincode: 843320 Email ID- skcccpl@gmail.com, Phone No- 9065105166.	80754113.97
Tender ID:-	142409	
Agreement Value:-	80584530.00	
2% PSD:-	1611691.00	
0.052% Additional Performance Security for 0.21% Below rate	201885.00	
Total:-	1813576.00	
EMD (-)		
Balance :-	1813576.00	
Say Rs.	1814000.00	
Bid Date:-	08.09.2025	
Date of LOA:-	22.09.2025	
Date of Completion:-	22.09.2026 (.....12..... Months)	
Defect lability period:-+..... Days=.....	

सुशील कुमार चौधरी

22.10.2025

Executive Engineer
RWD Work Division
Begusatti
04.10.25

Office of the Executive Engineer
Rural Works Department, Works Div.- Benipatti.

Letter No. 2145 / Benipatti

Date 23.9.25

To:-

Letter of Acceptance

SUSHEEL KUMAR CHAUDHARI
JHAJHIAT BAZAAR PO- JANAKPUR ROAD
ITAMARIH SITAMARIH, BIHAR - 843320

Ref No:- Letter No:-1710, Date:-22.09.2025 of Chief Engineer, RWD Bihar, Patna

Dear Sir,

This is to notify you that your bid date-06.05.2025 for execution of the construction of Road With Maintenance Work From MMGSY (Awshesh SC) Benipatti - 549(Tender Id-142409,Bid Id-622012)under MMGSY(Awshesh SC) and routine maintenance for the works for Seven years for the contract price Rs.- Rupee 805884530(Eight Corer Five Lakh Eighty Five thousand Five Hundred thirty only) only as corrected and modified in accordance with the instructions to Bidders is hereby accepted by our Agency.

We note that per bid, you do not intend to subcontract any component of work. You are hereby requested of furnishing performance security including an additional security for unbalanced bid in term of ITB clause 27.4, for an Amount of Rs.- 1813576.00(say Rs 1814000.00) (In form of System Generated BG With SFMS(Structured Financial Massaging Services).For BG Verification beneficiary bank name SBI Bank Bailey Road Patna, IFSC Code-SBIN0006379,Emailid-rwdbenipatti@gmail.com mentioned on EBG. BG Should validity of 7 yeras,28 Days)within 10 days in accordance with the condition of contract using for that purpose form in section VIII annex D and sign the contract failing which action as stated in para 34.2 of ITB will be taken.

Yours faithfully,

Executive Engineer
R.W.D. (W) Division, Benipatti

Memo 2145

Date 23.9.25

Copy forwarded to SE,RWD,Work Circle ,Madhubani/CE-6,RWD Darbhanga for Information.

Yours faithfully

Executive Engineer
RWD Work Division
Benipatti

सुशील कुमार चौधरी

04.10.25

**NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHIES (NDB) Salempur RCD
Road Basesriya TO Bichlatol, Survey ID. 83237**

DIVISION : Benipatti

BLOCK :

Benipatti

3.800 KM

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
1	Setting Out Pillars Providing & Fixing of Working benchmark Pillars 2 nos. per km & 6 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I	30.0000	No.	2962.50	88875.00
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	1.3300	Hec	75360.38	100229.31
3	Dismantling Brick/Tile Work Dismantling of existing structures, like culverts, bridge, retaining wall and other structures comprising of brick masonry including unserviceable material and stacking the serviceable material with all lift and lead of 1000m as per technical specification clause 202.	48.0200	Cum	307.62	14771.91
4	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. a) Reinforced Cement Concrete	5.3100	Cum	566.16	3006.31
5	A) Upto 600 mm dia	10.0000	Mtr	258.14	2581.40
6	Box Cutting 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	348.5600	Cum	96.35	33583.76
7	Dismantling of cement concrete pavements by mechanical means using pneumatic tools breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 m, stacking serviceable and unserviceable materials separately	0.0000	Cum	1751.25	0.00
8	Construction of embankment with approved material deposited from road way cutting and excavation from drain and foundation of other structures and excavated with an average lead of 50 m graded and compacted to meet requirement of tables 300.1 and 300.2 as per technical specification clause 301.5 (Including Royalty & Labour Cess).	209.1400	Cum	58.58	12251.42

Approved as Corrected

S. E.
R.W.D. Works Circle, Madhubani

अशोक कुमार चौधरी

NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Salempur RCD
Road Basesriya TO Bichlatol, Survey ID. 03237

DIVISION: Benipatti		BLOCK: Benipatti		3.000 KM	
Sl. No.	Description of work	No. or Qty.	Unit	Estimated	AMOUNT Rs.
				Figure	
9	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.5. (Including Royalty & Labour Cess). For 1000 m lead @ 20 %	1056.9200	Cum	241.32	255055.93
10	For 100 m lead @ 80%	4227.6900	Cum	174.18	736379.04
11	Construction of Subgrade and Earthen Shoulders 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).	2705.8100	Cum	244.59	661814.07
12	Granular Sub-base with Well Graded Material (Table 400.1) (By mix in place method) For Grading II Material 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.	909.7000	Cum	2604.46	2369277.26
13	WBM Grading 2 (By Manual Means) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.	559.4100	Cum	5144.41	2877834.59
14	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.	559.4100	Cum	4355.97	2436775.08

Approved as Corrected
 S. E.
 R.W.D. Works Circle, Madhubani

मुनील कुमार चौधरी

**NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Salempur RCD
Road Basesriya TO Bichlatol, Survey ID. 83237**

DIVISION : Benipatti		BLOCK :		Benipatti		3.800 KM	
SCHEDULE OF WORKS							
Sl. No.	Description of work	No.or Qty.	Unit	Estimated Figure	AMOUNT Rs.		
15	Prime Coat (Low porosity) Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.7- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	7458.7500	Sqm	55.14	411275.48		
16	Tack Coat Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and clened with hydriloc broom as per technical specification aclouse 503.	7458.7800	Sqm	18.98	141567.08		
17	Mix Seal Surfacing 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.	7458.7500	Sqm	262.44	1957474.35		
18	Granular Sub-base with Well Graded Material (Table 400.1) (By mix in place method) For Grading II Material 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.	187.1300	Cum	2604.46	487372.60		
19	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.	243.8400	Cum	4355.97	1062160.55		

Approved as Corrected

S. E.
R.W.D. Works Circle, Madhubani

शुशीला कुमार चौधरी

NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Salempur RCD
Road Basesriya TO Bichlatol, Survey ID. 83237

DIVISION: Benlpatli		BLOCK: Benlpatli		3.800 KM	
SCHEDULE OF WORKS		No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
Sl. No.	Description of work				
20	Cement Concrete Pavement(PQC) Construction of un-reinforced, plain cement concrete pavement (M35 Grade) over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form paver, spread, compacted and finished in a continuous operation including provision of 0.5 x 0.5 panel, joint filler, separation membrane, sealant primer, joint sealant, debonding strip as approved, curing compound, finishing to lines and grades as per drawing.	931.4100	Cum	7812.70	7276828.02
21	Edging with 1st Class Bricks, Laid Dry Length wise. Edging with 1st class bricks, laid dry lengthwise, including excavation, refilling, consolidation, with a hand packing and spreading nearly surplus earth within a lead of 50 metres	3700.0000	Sqm	88.05	325792.71
22	Cable Duct Across the Road Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope 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.	142.5000	M	1152.27	164198.48
23	Kilometre stone 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.	5.0000	No.	3026.82	15134.10
24	iii) 200 m stone	15.0000	No.	814.48	12217.20

Approved as Corrected
 S. E.
 R.W.D. Works Circle, Madhubani

सुनील कुमार चौधरी

NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Salempur RCD
Road Basesriya TO Bichlatol, Survey ID. 03237

DIVISION: Benipatti

BLOCK: Benipatti

3.800 KM

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
21	Retro-reflectorised Traffic Signs Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral & triangle, (Left Hand, Right Hand Curve & School Board) 600 mm equilateral & triangle,	7.0000	No.	4148.97	29042.79
22	900 mm side octagon, OR	1.0000	No.	9596.52	9596.52
23	600 mm x 450 mm rectangular,	4.0000	No.	5352.50	21409.99
24	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	78.0000	Each	1248.07	97349.46
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface 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.	390.0000	Sqm	625.29	243863.10
26	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Concrete Surface 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. Sealing primer may be applied in advance which is incidentally included to the work.	370.0000	Sqm	716.98	265282.60

Approved as Corrected
 S. E.
 R.W.D. Works Circle, Madhubani

सुनील कुमार चौधरी

IE OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Salempur RCD
Road Basesriya TO Bichlatol, Survey ID. 83237

DIVISION : Benipatti		BLOCK :	Benipatti	3.800 KM
SCHEDULE OF WORKS				
Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
(1) Providing and Fixing 'Logo' of MMGSY Project 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	3.0000	No.	11183.01	33549.03
8 HPC 1X1000 MM Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	119.2000	Cum	397.76	47412.99
9 Providing M15 (PCC 1:2.5:5) as levelling course in foundation :- Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	18.4000	Cum	7426.79	136652.94
10 Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (M20)	134.9600	Cum	8354.71	1127551.66
31 Providing and laying RCC pipe 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 as per clause 1106	30.0000	M	7464.22	223926.60
32 Painting on Parapet Wall (Black & White Strips) 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	82.5600	Sqm	127.96	10564.38
33 BOX CULVERT (2.0 X 2.0) Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	345.5700	Cum	397.76	137453.92

Approved as Corrected

S. E.

R.W.D. Works Circle, Madhubani

अशोक कुमार - चरित

**NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Salempur RCD
Road Basesriya TO Bichlatol, Survey ID. 83237**

DIVISION: Benipatti

BLOCK:

Benipatti

3.800 KM

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
34	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	24.9300	Cum	7426.79	185149.87
35	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	100.3800	Cum	8354.71	838645.79
36	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in foundation complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	0.4725	MT	66393.49	31370.92
37	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	48.8400	Cum	8354.71	408044.04
38	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	108.0000	Nos	129.55	13991.40
39	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	43.3200	Cum	8916.64	386268.84
40	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	4.1700	MT	66604.45	277740.56
41	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 (With Sandy Materials)	98.9400	Cum	913.93	90424.23
42	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	68.6400	Cum	4107.47	281936.74
43	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (Coping - PCC M-20 Grade)	35.0400	Cum	8354.71	292749.04
44	Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 RCC M-25 Grade	15.9600	Cum	10664.29	170202.07
45	Supplying, fitting, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002, 1010 and 1202	1.3800	MT	68122.03	94008.40

Approved as Corrected

S. E.

R.W.D. Works Circle, Madhubani

सुधील कुमार शर्मा

**NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Salem pur RCD
Road Basesriya TO Bichlatol, Survey ID. 03237**

DIVISION: Benipatti

BLOCK:

Benipatti

3.800 KM

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
46	Parapet Construction Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (M20)	12.0300	Cum	8354.71	100507.16
47	Painting on Parapet Wall 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	82.9500	Sqm	127.96	10614.28
48	Drainage spouts complete as per drawing and technical specifications Clause 1209	12.0000	Nos	1265.47	15185.64
49	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and 1208.4	11.5200	Cum	6304.02	72622.26
50	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	78.7200	Sqm	239.01	18815.25
51	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	78.7200	Sqm	127.96	10073.01
52	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	7458.7500	Sqm	15.85	118221.19

Approved as Corrected

S. E.

R.W.D. Works Circle, Madhubani

अशोक कुमार - अधिकारी

NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY , AWASHES (NDB) Salempur RCD
Road Basesriya TO Bichlatol , Survey ID. 83237

DIVISION : Benipatti		BLOCK :	Benipatti	3.800 KM	
SCHEDULE OF WORKS					
Sl. No.	Description of work	No.or Qty.	Unit	Estimated Figure	AMOUNT Rs.
53	Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achleve the desired compaction as per MoRTH specification clause No. 508 complete in all respects.	186.4700	Cum	13978.66	2606600.73
54	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface	390.0000	Sqm	625.29	243863.10
55	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Conctete Surface	370.0000	Sqm	716.98	265282.60
56	TOTAL ESTIMATED COST				30362428.75
57	Add L.C. @ 1%				303624.29
58	Add Seigniorage Fee @ 10% on Material Cost only				542847.00
59	SUB TOTAL				31208900.04
60	Add GST @ 18%				5617602.01
61	Total Constrcution Cost with 18 % GST, 1% L.C & 10% S.F.				36826502.04
62	1st Year Maintenance	3.8000	Km	102758.16	390481.00
63	2nd Year Maintenance	3.8000	Km	142116.41	540042.34
64	3rd Year Maintenance	3.8000	Km	157312.89	597789.00
65	4th Year Maintenance	3.8000	Km	157158.42	597202.00
66	6th Year Maintenance	3.8000	Km	68250.79	259353.00
67	7th Year Maintenance	3.8000	Km	82351.84	312937.00
68	Total Maintenance Cost				2697804.34
69	Add L.C. @ 1%				26978.04
70	Add Seigniorage Fee @ 10% on Material Cost only				90553.00
71	Add GST @ 18%				506760.37
72	Total Maintenance Cost with 18 % GST & 1% L.C. & 10% S.F.				3322095.75
73	Total Constrcution & Maintenance Cost with 18 % GST, 1% L.C & 10% S.F.				40148597.80
Total estimated cost in Figures					40148597.80
Quoted Amount					40148598.00

Approved as Corrceted
 S. E.
 R.W.D. Works Circle, Madhubani

अशोक कुमार चौधरी

BOB Approved for Rs 40,18,598.00 (Rupees four crore
one lakh twenty eight thousand five hundred ninety eight only)

अधीक्षण सामान्य
ग्रामीण कार्य विभाग
कार्य अंचल गधुबनी

Chartered Copy.

अधीक्षण सामान्य
ग्रामीण कार्य विभाग
कार्य अंचल गधुबनी

28/06/2015
60

सुनील कुमार - पी.ए.

NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Bichkana
Hartijan Toal TO Navkarhi, Survey ID. 99414

DIVISION: Benipatti

BLOCK: Benipatti 2.500 KM

Sl. No.	Description of work	BLOCK :		Benipatti	2.500 KM
		No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
1	Setting Out Pillars Providing & Fixing of Working benchmark Pillars 2 nos. per km & 6 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I	20.0000	No.	2962.50	59250.00
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	0.8750	Hec	75360.38	65940.00
3	Box Cutting 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	206.0600	Cum	96.35	19854.00
4	Construction of embankment with approved material deposited from road way cutting and excavation from drain and foundation of other structures and excavated with an average lead of 50 m graded and compacted to meet requirement of tables 300.1 and 300.2 as per technical specification clause 301.5 (Including Royalty & Labour Cess).	123.6400	Cum	58.58	7243.00
5	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m , transporting to the site spreading , grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.5 . (Including Royalty & Labour Cess). For 1000 m lead @ 20 %	965.0800	Cum	241.32	232893.0
6	For 100 m lead @ 80%	3860.3100	Cum	174.18	672389.1
7	Construction of Subgrade and Earthen Shoulders 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).	2262.3800	Cum	244.59	553356.

[Signature]
Executive Engineer
R.W.D. Work Division
Benipatti

Approved as Corrected

S. E.
R.W.D. Works Circle, Madhubani

[Signature]

WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Powam
Survey ID: 99182

WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Bichkani
Harijan Tol TO Navkarhi, Survey ID: 99414

BLOCK:		Benipatti		2.500 KM	
N: Benipatti		SCHEDULE OF WORKS			
Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.	
9 Granular Sub-base with Well Graded Material (Table 400.1) By mix in place method) For Grading II Material 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.	712.0600	Cum	2604.46	1854532.00	
9 WBM Grading 2 (By Manual Means) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.	430.3100	Cum	5144.41	2213691.00	
10 Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.	430.3100	Cum	4355.97	1874419.00	
11 Prime Coat (Low porosity) Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.7- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	5737.5000	Sqm	55.14	316366.00	
12 Tack Coat Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydriloc broom as per technical specification clause 503.	5737.5000	Sqm	18.98	108898.00	

27.06.25
Executive Engineer
RWD Work Division
Benipatu

Approved as Corrected

S. E.
R.W.D. Works Circle Madhuban

अशोक कुमार चौधरी

CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY
Nandhibjohi Banatpur Road TO Adwari Yadavtola, Survey ID. 99182

BLOCK: Benipatti 1.500 KM

AMOUNT

WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Bichkana
Harijan Toal TO Navkarhlil, Survey ID. 99414

Block: Benipatti

BLOCK: Benipatti 2.500 KM

SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.	
reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (M20)	101.2200	Cum	8354.71	845664.00	64.20
Providing and laying RCC pipe NP-3 for culverts on first class bedding of RCC 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 as per clause 1106	22.5000	M	7464.22	167945.00	105.80
Painting on Parapet Wall (Black & White Strips) 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	61.9200	Sqm	127.96	7923.00	95.98
Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and 1208.4	5.7600	Cum	6304.02	36311.00	8815.4:
Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	40.3200	Sqm	239.01	9637.00	6424.:
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	40.3200	Sqm	127.96	5159.00	96902.
Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	5737.5000	Sqm	15.85	90939.00	
Providing and laying semi dense bituminous concrete with 100-120 mm batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth	143.4400	Cum	13978.66	2005099.00	

2.06.21

 Executive Engineer
 R W D Work Division
 Benipatti

Approved as Corrected

S. E.
 R.W.D. Works Circle, Madhubani

शुशील कुमार - ए.ए.ई.

CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHIES
Nandhibjohi Banatpur Road TO Adwari Yadavtola, Survey ID. 99182

Block: Benipatti 1.500 KM

WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHIES (NDB) Bichkana
Harljan Toal TO Navkarhi, Survey ID. 99414

Block: Benipatti 2.500 KM

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface 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.	300.0000	Sqm	625.29	187587.00
6	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Concrete Surface 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. Sealing primer may be applied in advance which is incidentally Included to the work.	200.0000	Sqm	716.98	143396.00
27	(1) Providing and Fixing 'Logo' of MMGSY Project 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 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	3.0000	No.	11183.01	33549.00
28	HPC 1X1000 MM Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	89.4000	Cum	397.76	35560.00
29	Providing M15 (PCC 1:2.5:5) as levelling course in foundation :- Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	13.8000	Cum	7426.79	102490.00

Approved as Corrected

S. E.

R.W.D. Works Circle, Marhuhari

Executive Engineer
RWD Work Division
Benipatti

सुधील कुमार - धर

**WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Bichkana
Harijan Toal TO Navkarhi, Survey ID. 99414**

ON: Benipatti

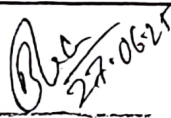
BLOCK:

Benipatti

2.500 KM


SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
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.	300.0000	Sqm	625.29	187587.00
39 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.	200.0000	Sqm	716.98	143396.00
40 TOTAL ESTIMATED COST				18682747.00
41 Add L.C. @ 1%				186827.47
42 Add Seigniorage Fee @ 10% on Material Cost only				319530.00
43 SUB TOTAL				19189104.47
44 Add GST @ 18%				3454038.80
45 Total Construction Cost with 18 % GST, 1% L.C & 10% S.F.				22643143.27
46 1st Year Maintenance	2.5000	Km	111537.60	278844.00
47 2nd Year Maintenance	2.5000	Km	157556.72	393891.80
48 3rd Year Maintenance	2.5000	Km	175324.40	438311.00
49 4th Year Maintenance	2.5000	Km	175144.40	437861.00
50 6th Year Maintenance	2.5000	Km	71190.40	177976.00
51 7th Year Maintenance	2.5000	Km	87678.00	219195.00
52 Total Maintenance Cost				1946078.80
53 Add L.C. @ 1%				19460.79
54 Add Seigniorage Fee @ 10% on Material Cost only				59745.00
55 Add GST @ 18%				364551.23
56 Total Maintenance Cost with 18 % GST & 1% L.C. & 10% S.F.				2389835.81
57 Total Construction & Maintenance Cost with 18 % GST, 1% L.C & 10% S.F.				25032979.09
Total estimated cost in Figures				25032979.09
Quoted Amount				25032979.00



Executive Engineer
RWD Work Division
Benipatti

BOB Approved for Rs 2,50,32,979.00 (Rupees
Two crore fifty lacs thirty two thousand
Ninety Nine hundred seventy nine only).

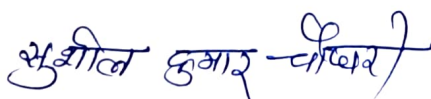
certified copy.

 27/6/14

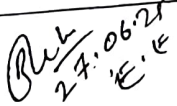
अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल मधुबनी


28/06/2014

- SD -
अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल मधुबनी


सुशील कुमार चौधरी

NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Puwam Nandhibjohi Banatpur Road TO Adwarl Yadavtola, Survey ID. 99182					
DIVISION : Benipatti		BLOCK : Benipatti		1.500 KM	
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
1	Setting Out Pillars Providing & Fixing of Working benchmark Pillars 2 nos. per km & 6 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I	12.0000	No.	2962.50	35550.00
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	0.5250	Hec	75360.38	39564.20
3	Box Cutting 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	108.0000	Cum	96.35	10405.80
4	Construction of embankment with approved material deposited from road way cutting and excavation from drain and foundation of other structures and excavated with an average lead of 50 m graded and compacted to meet requirement of tables 300.1 and 300.2 as per technical specification clause 301.5 (Including Royalty & Labour Cess).	64.8000	Cum	58.58	3795.98
5	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.5. (Including Royalty & Labour Cess). For 1000 m lead @ 20 %	368.0400	Cum	241.32	88815.41
6	For 100 m lead @ 80%	1472.1800	Cum	174.18	256424.31
7	Construction of Subgrade and Earthen Shoulders 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).	1213.8800	Cum	244.59	296902.91


 Executive Engineer
 R.W.D. Work Division
 Benipatti

Approved as Corrected
 - sd -
 S. E.
 R.W.D. Works Circle, Madhuban

सुधील कुमार - चिफ्ट

NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Puwam
Nandhibhoji Banatpur Road TO Adwari Yadavtola, Survey ID. 99182

DIVISION : Benipatti **BLOCK :** Benipatti **1.500 KM**

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated	AMOUNT Rs.
				Figure	
8	Granular Sub-base with Well Graded Material (Table 400.1) (By mix in place method) For Grading II Material 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.	423.0700	Cum	2604.46	1101868.89
9	WBM Grading 2 (By Manual Means) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.	258.1900	Cum	5144.41	1328235.31
10	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.	258.1900	Cum	4355.97	1124668.77
11	Prime Coat (Low porosity) Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.7- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	3442.5000	Sqm	55.14	189819.45
12	Tack Coat Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydriloc broom as per technical specification clause 503.	3442.5000	Sqm	18.98	65338.65

24.06.25
Executive Engineer
RWD Work Division
Benipatti

Approved as Corrected
S.E.
S. E.
R.W.D. Works Circle, Madhuban

शुभोत्त कुमार चौधरी

CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB)2 TO Adhwari
Nandhibjohi Banatpur Road TO Adhwari Survey ID. 26041

NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Puwam
Nandhibjohi Banatpur Road TO Adhwari Yadavtola, Survey ID. 99182

DIVISION : Benipatti

BLOCK :

Benipatti

1.500 KM

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated	AMOUNT Rs.
				Figure	
13	Mix Seal Surfacing 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.	3442.5000	Sqm	262.44	903449.70
14	Granular Sub-base with Well Graded Material (Table 400.1) (By mix in place method) For Grading II Material 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.	63.9000	Cum	2604.46	166424.99
15	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.	172.1300	Cum	4355.97	749793.70
16	Cement Concrete Pavement(PQC) Construction of un-reinforced, plain cement concrete pavement (M35 Grade) over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form paver, spread, compacted and finished in a continuous operation including provision of 0.5 x 0.5 panel, joint filler, separation membrane, sealant primer, joint sealant, debonding strip as approved, curing compound, finishing to lines and grades as per drawing.	286.8800	Cum	7812.70	2241307.72

4.06.21
Executive Engineer
RWD Work Division
Benipatti

Approved as Corrected
S. E.
R.W.D. Works Circle, Madhuban

शुशील कुमार-ए.ए.ए.

WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Puwam
Nandhibhohi Ranatnur Road TO Adwarl Yadavtola, Survey ID. 99182

WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Bichkana
Harljan Toal TO Navkarhl, Survey ID. 99414

ONT Benipatti BLOCK: Benipatti 2.500 KM

SCHEDULE OF WORKS

	Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
13	Seal Surfacing 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.	5737.5000	Sqm	262.44	1505750.00
14	Granular Sub-base with Well Graded Material (Table 400.1) (By mix in place method) For Grading II Material 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.	87.0000	Cum	2604.46	226588.00
15	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406.	137.7000	Cum	4355.97	599818.00
16	Cement Concrete Pavement(PQC) Construction of un-reinforced, plain cement concrete pavement (M35 Grade) over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form paver, spread, compacted and finished in a continuous operation including provision of 0.5 x 0.5 panel, joint filler, separation membrane, sealant primer, joint sealant, debonding strip as approved, curing compound, finishing to lines and grades as per drawing.	502.5000	Cum	7812.70	3925882.00
17	Edging with 1st Class Bricks, Laid Dry Length wise. Edging with 1st class bricks, laid dry lengthwise, including excavation, refilling, consolidation, with a hand packing and spreading nearly surplus earth within a lead of 50 metres	2000.0000	Sqm	88.05	176104.00

27-06-25
Executive Engineer,
R.W.D. Works Division,
Benipatti

Approved as Corrected
S. E.
R.W.D. Works Circle, Madhuban

शुभल कुमार चौधरी

WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Puwam
Nandkibhadi Ranatnur Road TO Adwari Yadavtola, Survey ID. 99182

WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Bichkana
Harijan Toal TO Navkarhi, Survey ID. 99414

CONSTRUCTION OF ROAD & CULVERT WORKS					Survey ID. 99414	
Harljan Toal TO Navkarhi , Survey ID. 99414					2.500 KM	
BLOCK :			Benipatti			
SCHEDULE OF WORKS			No.or Qty.	Unit	Estimated Figure	AMOUNT Rs.
Description of work						
18	able Duct Across the Road Providing and laying of a reinforced cement concrete pipe duct,300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope 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.		97.5000	M	1152.27	112346.00
19	Kilometre stone Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing , etc as per drawing and technical specification clause 1703. ii) Km stone		4.0000	No.	3026.82	12107.00
20	iii) 200 m stone		10.0000	No.	814.48	8145.00
21	Retro-reflectorised Traffic Signs 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 aluminlum 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 801 600 mm equilateral & triangle, (Left Hand, Right Hand Curve & School Board) 600 mm equilateral & triangle,		7.0000	No.	4148.97	29043.00
22	900 mm side octagon, OR		1.0000	No.	9596.52	9597.00
23	600 mm x 450 mm rectangular,		4.0000	No.	5352.50	21410.00
24	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		60.0000	Each	1248.07	74884.00

Approved as Corrceted
S. E.
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-
Sd/-

Approved as Corrected
S. E.
R.W.D. Works Circle, Mathurapur

Executive Engineer
R.W.D. Work Division
Benipatti

सुशील कुमार - चर्करा

CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, (Kuchmaul Yadav Tol To Bichkhana), Survey ID. 26041

ME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Puwam Nandhibjohi Banatpur Road TO Adwari Yadavtola, Survey ID. 99182

DIVISION: Benipatti BLOCK: Benipatti 1.500 KM

SCHEDULE OF WORKS

	Description of work	No.or Qty.	Unit	Estimated Figure	AMOUNT Rs.
17	Edging with 1st Class Bricks, Laid Dry Length wise. Edging with 1st class bricks, laid dry lengthwise, Including excavation, refilling, consolidation, with a hand packing and spreading nearly surplus earth within a lead of 50 metres	1200.0000	Sqm	88.05	105662.50
18	Cable Duct Across the Road Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope 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: 98-1997, 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.	60.0000	M	1152.27	69136.20
19	Kilometre stone Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC: 8 fixing in position including painting and printing, etc as per drawing and technical specification clause 1703. ii) Km stone	3.0000	No.	3026.82	9080.46
20	iii) 200 m stone	6.0000	No.	814.48	4886.88
21	Retro-reflectorised Traffic Signs Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC: 67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral & triangle, (Left Hand, Right Hand Curve & School Board) 600 mm equilateral & triangle,	4.0000	No.	4148.97	16595.88
22	600 mm x 450 mm rectangular,	2.0000	No.	5352.50	10705.00

24.06.25
Executive Engineer
RWD Work Division
Benipatti

Approved as Corrected
S. E.
R.W.D. Works Circle, Madhuban

शुशील कुमार - चीफर

Bill of Work: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AYIA-MYS (NIM) P.W.D.
Nandulbholi Banatpur Road TO Adwari Yadayada, Survey No. 41122.

Location: Benipati

SCHEDULE OF WORKS

	Description of work	Unit	Rate	Particulars	Amount
		(Sq. ft.)			Rs.
	Planting of Trees and their Maintenance for one Year Planting of trees by the road side (Avenue trees) in 60x60 in dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/silage manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year	24 (1000)	Rs. 20	1200.00	4110.52
4	Road Marking with Hot Applied Thermoplastic Compound with Reflectors/Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectors/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	120 (1000)	Sqm	625.29	11252.29
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectors/Glass Beads on Concrete Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectors/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. Sealing primer may be applied in advance which is incidentally included to the work.	120.0000	Sqm	716.52	28578.00
26	(1) Providing and Fixing 'Logo' of MMGSY Project Providing and fixing of typical MMGSY Informative 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 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	3.0000	No.	11183.01	33549.03
27	HPC 1X1000 MM Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	29.8000	Cum	397.76	11853.25

Approved as Corrected

S. E.

R.W.D. Works Circle, Madhuban

(Signature)
 Executive Engineer
 R.W.D. Works Division
 Benipati

(Signature)
 सुधील कुमार-अधीक्षक

**NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Puwam
Nandhibjohi Banatpur Road TO Adwari Yadavtola, Survey ID. 99182**

VISION: Benipatti BLOCK: Benipatti 1.500 KM

SCHEDULE OF WORKS

Description of work	No.or Qty.	Unit	Estimated Figure	AMOUNT Rs.
Providing M15 (PCC 1:2.5:5) as levelling course in foundation :- Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	4.6000	Cum	7426.79	34163.23
Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (M20)	33.7400	Cum	8354.71	281887.92
Providing and laying RCC pipe 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 as per clause 1106	7.5000	M	7464.22	55981.65
Painting on Parapet Wall (Black & White Strips) 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	20.6400	Sqm	127.96	2641.09
PROTECTION WORK 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.	67.5000	Cum	397.76	26848.80
Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	7.0000	Cum	7426.79	51987.53
Brick masonry work in cement mortar (CM 1:4) in foundation complete excluding pointing and plastering as per drawing and technical specifications Clauses 602, 603, 604, 1202 & 1203	65.5000	Cum	8354.71	547233.51
Providing concrete for plain/reinforced concrete M-20 in coping over protection wall complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 P.C.C grade M 20	1.5000	Cum	8354.71	12532.07
Providing Weepholes in brick masonry, Plain / Reinforced concrete abutement, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structure with slope of 1V: 20H towards drawing face complete as per drawing and technical specification	50.0000	Nos	129.55	6477.50

22.06.25
Executive Engineer
R.W.D. Works Division
Benipatti

Approved as Corrected
Sd/-
S. E.
R.W.D. Works Circle, Madhuban

अजीत कुमार - ऑफिसर

NAME OF WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Puwam
Nandhibjohi Banatpur Road TO Adwarl Yadavtola, Survey ID. 99182

DIVISION: Benipatti		BLOCK: Denipatti		1.500 KM	
Description of work		No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
37	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and 1208.4	0.6400	Cum	6304.02	54166.70
38	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	60.4800	Sqm	239.01	14455.62
39	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	60.4800	Sqm	127.96	7739.02
40	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	3442.5000	Sqm	15.85	54563.63
41	Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects.	86.0600	Cum	13978.66	1203003.48
42	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface	180.0000	Sqm	625.29	112552.20
43	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Concrete Surface	120.0000	Sqm	716.98	86037.60
44	TOTAL ESTIMATED COST				11659926.86
45	Add L.C. @ 1%				116599.27

Executive Engineer
RWD Work Division
Benipatti

Approved as Corrected
S. E.
R.W.D. Works Circle, Madhubani

अधीन काम - चिह्न

WORK: CONSTRUCTION OF ROAD & CD WORKS UNDER MMGSY, AWASHES (NDB) Puwam
Nandhibjohi Banatpur Road TO Adwari Yadavtola, Survey ID. 99182

ION f Benipatti

BLOCK:

Benipatti

1.500 KM

SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Figure	AMOUNT Rs.
Add Seigniorage Fee @ 10% on Material Cost only				197540.00
SUB TOTAL				11974066.13
Add GST @ 18%				2155331.90
Total Construction Cost with 18 % GST, 1% L.C & 10% S.F.				14129398.03
1st Year Maintenance	1.5000	Km	112418.67	168628.00
2nd Year Maintenance	1.5000	Km	158329.39	237494.08
3rd Year Maintenance	1.5000	Km	176096.67	264145.00
4th Year Maintenance	1.5000	Km	175917.33	263876.00
6th Year Maintenance	1.5000	Km	72070.67	108106.00
7th Year Maintenance	1.5000	Km	88451.33	132677.00
Total Maintenance Cost				1174926.08
Add L.C. @ 1%				11749.26
Add Seigniorage Fee @ 10% on Material Cost only				35847.00
Add GST @ 18%				220054.02
Total Maintenance Cost with 18 % GST & 1% L.C. & 10% S.F.				1442576.36
Total Construction & Maintenance Cost with 18 % GST, 1% L.C & 10% S.F.				15571974.39
Total estimated cost in Figures				15571974.39
Quoted Amount				15571974.00

27.06.25
Executive Engineer
RWD Work Division
Benipatti

BOS Approved for Rs 15571974.00
(Rupees one crore fifty five Lacs
seventy one thousand nine hundred
seventy four) only.

— sd —
अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल मधुबनी

Controlled copy
प्रम. अभियंता

अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल मधुबनी
28/06/2025
E.O.

शुशील कुमार - अभियंता