

(बिहार ग्रामीण पथ अनुरक्षण नीति 2018)

M/S Dhaneshwar Nath Construction,
Add- Lalit Niketan Colony Sanjay Gandhi
Nagar, Hanuman Nagar, Kankargabgh,
Patna-8000020, Mob-9835056856,
Email_rajivranjansingh72@rediffmail.com



बिहार सरकार

Agreement

27 MBD
20-21

Executive Engineer
R.W.D. Works Div. Masaurhi

Repair of Road 1. Powawan to Gram Begumchak Mahadalit Tola (1.69 K.M.) 2. Tiskhora Deoria Raod to Meerapur (0.65 K.M.) 3. Masaurhi Pali Path Ke Bajrangwali To Biduli Adarsh Madhya Vidyalaya (1.30 K.M.) 4. Samastichak to Samastichak Mushari (0.25 K.M.) 5. Powawan to Supahali (1.09 K.M.) 6. Masaurhi Pitwas Road Lahasuan (0.96 K.M.) 7. Construction of PCC Road and Gali at Rohilapar Village Under Bhagwangani (0.85 K.M.) 8. Dhanauti Basaur to Chakiya Mahadalit Tola (1.18 K.M.) 9. Bhagwangani Pansari Road to (Chamar Toli) Belauna (0.73 K.M.) 10. Kaharat Powan Road to Jagdishpur (1.60 K.M.) (Package-MR-N/19-20 Masaurhi/04) Masaurhi Block शीर्ष 3054 मरम्मत (बिहार ग्रामीण पथ अनुरक्षण नीति 2018) (Tender ID-96047)

Agreement No.- MBD 27/MBD/2020-21

Accepted Rate:- Below 5.67%

Agreement Value:- Rs 26931910/-

Start Date:- 09-12-2020 (CP)

Intended Date of Completion:- 08-09-2021

M/S DHANESHWAR NATH CONSTRUCTION

PARTNER

Executive Engineer
Rural Works Department,
Work Division, Masaurhi

शीर्ष 3054 मरम्मति (बिहार ग्रामीण पथ अनुरक्षण नीति 2018)

M/S Dhaneshwar Nath Construction,
Add- Lalit Niketan Colony Sanjay Gandhi
Nagar, Hanuman Nagar, Kankargabgh,
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certified copy

16/06/22

बिहार सरकार

Executive Engineer

R.W.D. Works Div. Masaurhi

16/06/22

16.06.22

Supplementary Agreement

Revise BOQ for Road From Road 1. Powawan to Gram Begumchak

Mahadalit Tola (1.69 K.M.) 2. Tiskhora Deoria Raod to Meerapur (0.65 K.M.) 3. Masaurhi Pali Path Ke Bajrangwali To Biduli Adarsh Madhya Vidyalaya (1.30 K.M.) 4. Samastichak to Samastichak Mushari (0.25 K.M.) 5. Powawan to Supahali (1.09 K.M.) 6. Masaurhi Pitwas Road Lahasan (0.96 K.M.) 7. Construction of PCC Road and Gali at Rohilapar Village Under Bhagwangani (0.85 K.M.) 8. Dhanauti Basaur to Chakiya Mahadalit Tola (1.18 K.M.) 9. Bhagwangani Pansari Road to (Chamar Toli) Belauna (0.73 K.M.) 10. Kaharat Powan Road to Jagdishpur (1.60 K.M.) (Package-MR-N/19-20 Masaurhi/04) Masaurhi Block शीर्ष 3054 मरम्मति (बिहार ग्रामीण पथ अनुरक्षण नीति 2018) (Tender ID-96047)

Supplementary Agreement No. 24 MBD 20-21

Accepted Rate:- 5.76% C 5.67%.

Agreement Value:- 30828856 - 26931910 = 3896946

Start Date:- _____

Intended Date of Completion:- _____

M/S DHANESHWAR NATH CONSTRUCTION
PARTNER

Executive Engineer
Rural Works Department,
Work Division, Masaurhi

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये
रु.1000

ONE THOUSAND RUPEES

Rs.1000

INDIA

BIHAR

This Supplementary Agreement made the day 20-06-2022 between Executive Engineer, R.W.D. Works Div. Masaurhi

Work Division, Masaurhi (hereinafter called "The employer (First Part) and M/S. Maneshwar Nath Construction Co. Pvt. Ltd. Patna-8000020, Mob-9835056856, Email_rajivranjansingh72@rediffmail.com Herein after the contractor of the contractor of the other part) Where the employer is desirous that the contractor execute Supplementary/Revise BOQ for Road From Repair of Road 1. Powawan to Gram Begumchak Mahadalit Tola (1.69 K.M.) 2. Tiskhora Doria Raod to Meerapur (0.65 K.M.) 3. Masaurhi Pali Path Ke Bajrangwali To Biduli Adarsh Madhya Vidyalaya (1.30 K.M.) 4. Samastichak to Samastichak Mushari (0.25 K.M.) 5. Powawan to Supahali (1.09 K.M.) 6. Masaurhi Piliwas Road Lahasuan (0.96 K.M.) 7. Construction of PCC Road and Gali at Rohilapar Village Under Bhagwanganj (0.85 K.M.) 8. Dhanauli Basaur to Chakiya Mahadalit Tola (1.18 K.M.) 9. Bhagwanganj Pansari Road to (Chamar Toli) Belauna (0.73 K.M.) 10. Kaharat Powan Road to Jagdishpur (1.60 K.M.) (Package-MR-N/19-20 Masaurhi/04) Masaurhi Block Under शीर्ष 3054 सरम्गति (बिहार ग्रामीण पथ अनुरक्षण नीति 2018) (Tender ID-96847), (herein after called the work and the employer has accepted the bid by the contractor for rupees 2,69,31,910=00, (Rs Two Crore Sixty Nine Lakh Thirty One Thousand, Nine Hundred & Ten Rupees only) rupees with is substituted with 3,08,28,856 (Three Core Eight Lac Twenty Eight Thousand Eight Hundred & Fifty Six Only) as per the revised BOQ sanctioned S.E. RWD Circle Patna vide Letter no. 451we dated 13/04.2022

NOW THIS SUPPLEMENTARY AGREEMENT WITNESSETH AS FOLLOW:-

1. In this supplementary Agreement, work and expression shall have the same Meaning as are respectively assigned to them in the conditions of contract hereinafter referred to and they shall be deemed to from and be read and construed as part of this Supplementary Agreement.
2. In consideration of the payment to be made by the Employer to the Contractor as hereinafter mentioned, the contractor hereby covenants with the Employer to all aspects with the provisions of the contract.

PARTNER

M/S. MANESHWAR NATH CONSTRUCTION

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

/पटना, दिनांक-

13/04/2022

पत्रांक- 451 (3136)
प्रेषक,

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, पटना।

सेवामें,

कार्यपालक अभियंता,
ग्रा0का0वि0, कार्य प्रमंडल, मसौढ़ी।

विषय:- शीर्ष 3054 (मरम्मत) बिहार ग्रामीण पथ अनुरक्षण नीति-2018 अन्तर्गत स्वीकृत कुल 12 (बारह) अदद पथ के निर्माण/मरम्मत कार्य के पुनरीक्षित परिमाण विपत्र अनुमोदन के संबंध में।

प्रसंग:- आपका पत्रांक-166 अनु0, दिनांक-09.03.2022
महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र द्वारा प्राप्त कुल 12 (बारह) अदद पथों का पुनरीक्षित परिमाण विपत्र अनुमोदन कर वापस की जाती है। सभी पृष्ठ अनुमोदित है। पुनरीक्षित एकरारनामा का दर मूल एकरारनामा के दर के समान होगा। अपने स्तर से भी अनुमोदित पुनरीक्षित परिमाण विपत्र की जांच कर ली जाय। त्रुटि दृष्टिगोचर होने पर इसका समाधान के पश्चात् ही पुरक एकरारनामा किया जाय।

क्रमांक	योजना का नाम	पुनरीक्षित परिमाण विपत्र की राशि (रूपया में)	प्रशासनिक अनुमोदन की राशि (निर्माण, अनुरक्षण, एवं आकस्मिक कार्य) (लाख में)	पुनरीक्षित, तकनीकी स्वीकृति की राशि (निर्माण एवं, अनुरक्षण, कार्य) (लाख में)
1.	Nadua Oiyara to Mohamadpur	Rs. 1,38,85,860.00	132.483	139.202
2.	Const. of P.C.C. Road and Gali at Rohilapar Village under Bhagwanganj	Rs. 20,17,581.00	22.6741	20.4415
3.	Kharat Powawan Road to Gram Begumchak Mahadalit Tola	Rs. 47,22,925.00	48.58783	47.59986
4.	Masaurhi Pali Path Ke Bajrangwali to Biduli Adarsh Madhhya Vidyalaya	Rs. 40,49,793.00	41.18524	40.80621
5.	Dhanauti Basaur to Chakiya Mahadalit Tola	Rs. 36,26,518.00	40.60191	36.5576
6.	Kharat Powana Road to Jagdishpur	Rs. 58,89,264.00	58.09569	59.360
7.	Masaurhi Pitwas to Lahasuna	Rs. 24,73,817.00	24.23421	24.9556
8.	Powawan to Supahalli	Rs. 37,88,896.00	37.80787	37.890
9.	Morharpur to Milki	Rs. 1,13,77,074.00	120.336	113.768
10.	Anjani to Larha via Khadiha	Rs. 1,27,21,519.00	143.2979	127.212

M/S JHANESHWAR NATH CONSTRUCTION

PARTNER

11.	Karwan Village Road to Village Serwanichak Mahadalit Tola	Rs. 1,01,10,206.00	91.541	100.951
12.	Dhanarua to Nadupur	Rs. 79,75,986.00	84.8589	79.761

अनु०-यथोक्त।

विश्वसिभाजन

अधीक्षण अभियंता

ग्रामीण कार्य विभाग, कार्य अंचल, पटना

(12)

Const. of PCC ROAD AND GALLI AT

SUPPLEMENTARY/ REVISE BOQ OF ROAD FROM ROHILAPAR VILLAGE UNDER BHAGWANGANJ

DIST - PATNA

BLOCK:

Length:-0.850 km

Item of Work	Unit	As Per Sanctioned Estimate		
		Qty	Rate	Amount
2	3	4	5	6
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	Ha	0.510 ✓	49524.680 ✓	25257.587 ✓
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 as per Technical Specification Clause 303.1.	Cum	637.500 ✓	161.230 ✓	102784.125 ✓
WBM-III:-Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	Cum	24.430 ✓	3028.530 ✓	73986.988 ✓
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.	Sqm	325.770 ✓	41.760 ✓	13604.155 ✓
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.	Sqm	5073.750 ✓	14.170 ✓	71895.038 ✓
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.	Sqm	1854.380 ✓	181.960 ✓	337422.985 ✓
Providing and laying Semi dense bituminous macadam with 100-120 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction.	Cum Sqm	81.280 ✓	8647.470 ✓	702866.362 ✓

M/S CHANESHWAR NATH CONSTRUCTION

PARTNER

APPROVED AS CORRECTED

Providing and laying Rumble Strip with road studs and Thermoplastic Compound with Reflectorisng Glass Beads on Bituminous Surface Thermoplastic paint	Sqm	7.500 ✓	735.750	5518.125 ✓
Providing and laying Rumble Strip with road studs and Thermoplastic Compound with Reflectorisng Glass Beads on Bituminous Surface Roas Strip	Nos	60.000 ✓	181,810	10908.600 ✓
Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 45° C. 'A' frame painted with 2 coats of yellow paint, complete as per IRC:SP:55-2001	Each	30.000 ✓	1225.440	36763.200 ✓
Total (A):-				1576193.979 ✓
5 years Maintenance				
1st Year Maintenance cost	Year	1.00	6765.00	6765.00 ✓
2nd Year Maintenance cost	Year	1.00	2065.00	2065.00 ✓
3rd Year Maintenance cost	Year	1.00	132617.00	132617.00 ✓
4th Year Maintenance cost	Year	1.00	22420.00	22420.00 ✓
5th Year Maintenance cost	Year	1.00	152730.00	152730.00 ✓
Total Cost of 5 years Maintenance				316597.00 ✓
			TOTAL COST:-	1892790.98 ✓
			Labour Cess @1%	18927.90979 ✓
			GST @12%	227134.9175 ✓
			TOTAL COST OF PROJECT	2138853.81 ✓

Executive Engineer
Rwd Masaurhi

Less as per agreement
(-5.67%)
= 121273.01

Total Amt = 2017580.79

T. Amt Pay = 2017581.00/-

Bill of Quantity Approved as corrected for Item No.

① to ②③ for Rs 2017581.00 (Rupees Twenty Lakh Seventeen Thousand Five hundred and eighty one only)

Including Five Years Maintenance

Estimator
R.W.D.
Works Circle, Patna

प्राक्कलन पदाधिकारी
ग्रामीण कार्य विभाग
कार्य अंचल पटना

ग्रामीण कार्य विभाग
कार्य अंचल, पटना

Superintending Engineer
R.W.D. WORKS CIRCLE, PATNA

M/S MANESHWAR NATH CONSTRUCTION

PARTNER

ENTARY/ REVISE BOQ OF ROAD FROM KHARAT POWAWAN ROAD TO GRAM BEGUMCHAK MAHADALIT TOLA

BLOCK:		As Per Sanctioned Estimate		
Item of Work	Unit	Qty	Rate	Amount
		4	5	6
2				
ing and Grubbing Road Land (By manual means) including ing wild vegetation, grass, bushes, shrubs, saplings and of girth upto 300mm, removals of stumps of such trees cut & disposal of unserviceable materials & stacking of eable materials to be used or auctioned upto a lead of 1000 cluding removal and disposal of top organic soil not exceeding m in thickness as per technical specification clause 201.1 irection of E/I	Ha	1.014	49524.680	50218.026
lying the existing bituminous road surface to a depth of 150 and disposal of scarified material with a lift upto 3 m and lead 1000 m as per Technical Specification Clause 301.4.	Sqm	333.750	15.320	5113.050
struction of subgrade and earthen shoulders struction of subgrade and earthen shoulders with approved erial obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compact to meet requirement of Table 300.2 with lead upto 10 m as per Technical Specification Clause 303.1.	Cum	955.500	161.230	154055.265
BM-II:-Construction of granular sub-base by providing well aded material, spreading in uniform layers with tractor mounted ader arrangement on prepared surface, mixing by mix in place ethod with rotavator at OMC, and compacting with smooth heel roller to achieve the desired density, complete as per technical Specification Clause 401.	Cum	94.220	1734.610	163434.954
BM-II:-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.	Cum	52.430	3205.380	168058.073
WBM-III:-Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	Cum	148.080	2993.800	443321.904
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.	Sqm	1974.460	41.730	82394.216

APPROVED AND CORRECTED

and Marking with Hot Applied Thermoplastic Compound with Reflectorisng Glass Beads on Concrete Pavement:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorisng 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.	Sqm	338.000	735.750	248683.500
Providing and fixing of typical MR 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 on 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 7mm 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	Cum Nos	3.000	11801.990	35405.970
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	cum	6.240	7434.190	46389.346
Providing PCC M-20 architectural coping on the top of wing wall, return wall etc. complete as per drawing and technical specification Clauses 615, 710 and 1204.3.11	m	26.000	355.560	9244.560
Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	Cum	43.520	162.050	7052.416
Total (A):-				3475377.303
5 years Maintenance				
1st Year Maintenance cost	Year	1.00	64556.00	64556.00
2nd Year Maintenance cost	Year	1.00	89552.00	89552.00
3rd Year Maintenance cost	Year	1.00	329430.00	329430.00
4th Year Maintenance cost	Year	1.00	107471.00	107471.00
5th Year Maintenance cost	Year	1.00	364420.00	364420.00
Total Cost of 5 years Maintenance				955429.00
			TOTAL COST:-	4430806.30
Labour Cess @1%				44308.06303
GST @12%				531696.7564
TOTAL COST OF PROJECT				5006811.12

Executive Engineer
Rwd Masaurhi

Less as per agreement (-5.67%)
= 283886.19
Total amt = 4722924.9
Say = 4722925.00/-

APPROVED AS CORRECTED

(4)

SUPPLEMENTARY BOQ**SUPPLEMENTARY / REVISED BOQ OF ROAD FROM MASAUHRI PALI PATH KE BAJRANGWALI TO
BIDULI ADARSH MADHYA VIDYALAYA**


DISTRICT- PATNA


BLOCK: Masaurhi

Sl. No.	Item of Work	Unit	Qty	Rate	Amount	Remarks
1	2	3	4	5	6	7
1	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	Ha	0.780 ✓	49524.680 ✓	38629.250 ✓	
2	Scarifying the existing bituminous road surface to a depth of 150 mm and disposal of scarified material with a lift upto 3 m and lead upto 1000 m as per Technical Specification Clause 301.4.	Sqm	600.000 ✓	15.320 ✓	9192.000 ✓	
3	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 as per Technical Specification Clause 305.1.	Cum	780.000 ✓	161.230 ✓	125759.400 ✓	
4	GSB-II:-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	Cum	84.590 ✓	1716.250 ✓	145177.588 ✓	
5	WBM-II:-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.	Cum	56.430 ✓	3165.890 ✓	178651.173 ✓	
6	WBM-III:-Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	Cum	123.360 ✓	2959.080 ✓	365032.109 ✓	
7	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.	Sqm	1644.800 ✓	41.750 ✓	68670.400 ✓	
8	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.	Sqm	6756.050 ✓	14.160 ✓	95665.668 ✓	

APPROVED & CORRECTED

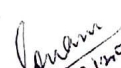
and fixing of typical MR informatory sign board with Logo as per specifications and drawing. Three MS Plates of 1.6 mm thick, top plate duly welded with MS flat iron 25mm x 5m size on back on lower plate will be welded with MS angle iron frame of 25mm x 5m. The angle iron frame of the lower most plate and flat iron middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG posts duly embedded in cement concrete M-15 grade blocks of 450mm x 600mm, 600mm below ground level. The top most plate will be welded to middle plate by 47mm x 47mm of 12 SWG tube. All M.S. will be stove enameled on both sides. Lettering and borders, border etc. will be painted with ready mixed synthetic enamel of superior quality in required shade and colour. All sections of framed steel tube will be painted with primer and two coats of epoxy paint as per Clause 1701 and Annexure 1700.1	NOS Cum	3.000 ✓	11796.580 ✓	35389.740 ✓	
concrete masonry work in cement mortar 1:3 in parapet excluding pointing and plaster as per drawing and technical specifications Clauses 600, 900 and 910	cum	6.240 ✓	7431.720 ✓	46373.933 ✓	
PCC M-20 architectural coping on the top of wing wall, return wall and parapet as per drawing and technical specification Clauses 615, 710 and 731	m	26.000 ✓	353.460 ✓	9189.960 ✓	
Plastering with cement mortar (1:4) on brick work in sub-structure as per technical specifications	Sq.m Cum	43.520 ✓	161.280 ✓	7018.906 ✓	
Total (A):-				2896906.307 ✓	
Maintenance					
Yearly Maintenance cost	Year	1.00	65808.000	65808.000	✓
Yearly Maintenance cost	Year	1.00	91994.000	91994.000	✓
Yearly Maintenance cost	Year	1.00	298855.000	298855.000	✓
Yearly Maintenance cost	Year	1.00	125002.000	125002.000	✓
Yearly Maintenance cost	Year	1.00	320743.000	320743.000	✓
Cost of 5 years Maintenance				902402.000	✓
TOTAL COST:-				3799308.307 ✓	
Labour Cess @1%				37993.08	✓
GST@12%				455917.00	✓
TOTAL COST OF PROJECT				4293218.39 ✓	
LESS As Per Aggrmnt (-5.67%) Below				243425.48	
TOTAL AMOUNT =				4049792.90 ✓	
SAY =				4049793.00 ✓	


08/08/2022


07.07.22

Executive Engineer
Rural Work Department
Works Division, Masaurhi


12/2


21/08/22


APPROVED AS CORRECTED
21/08/22

(5)

SUPPLEMENTARY BOQ**SUPPLEMENTARY / REVISED BOQ OF ROAD FROM DHANAUTHI BASAUR TO CHAKIYA MAHADALIT TOLA**


DISTRICT - PATNA

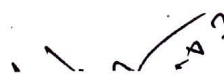
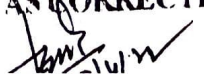
BLOCK: Masaurhi

Sl. No.	Item of Work	Unit	Qty	Rate	Amount	Remarks
1	2	3	4	5	6.00	7
1	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	Ha	0.710 ✓	49524.680	35162.52 ✓	
2	Scarifying the existing bituminous road surface to a depth of 150 mm and disposal of scarified material with a lift upto 3 m and lead upto 1000 m as per Technical Specification Clause 301.4.	Sqm	660.000 ✓	15.320	10111.20 ✓	
3	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 as per Technical Specification Clause 303.1.	Cum	885.000 ✓	161.230	142688.55 ✓	
4	GSB-II:-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.	Cum	79.260 ✓	1752.970	138940.40 ✓	
5	WBM-II:-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	Cum	54.830 ✓	3244.860	177915.67 ✓	
	WBM-III:-Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	Cum	111.150 ✓	3028.530	336621.11 ✓	
	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	Sqm	1482.000 ✓	41.750	61873.50 ✓	
	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.	Sqm	6063.750 ✓	14.160	85862.70 ✓	





APPROVED AS CORRECTED







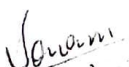
32	Providing and fixing of typical MR informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 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	Cum Nos	3.000 ✓	11807.400	35422.20 ✓	
33	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	cum	6.240 ✓	7436.670	46404.82 ✓	
34	Providing PCC M-20 architectural coping on the top of wing wall, return wall etc. complete as per drawing and technical specification Clauses 615, 710 and 1204.3.11	m	26.000 ✓	357.660	9299.16 ✓	
35	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	Cum sqm	43.520 ✓	162.820	7085.93 ✓	
	Total (A):-				2742537.26 ✓	
	5 years Maintenance					
36	1st Year Maintenance cost	Year	1.00	62065.000	62065.00 ✓	
37	2nd Year Maintenance cost	Year	1.00	90937.000	90937.00 ✓	
38	3rd Year Maintenance cost	Year	1.00	198028.000	198028.00 ✓	
39	4th Year Maintenance cost	Year	1.00	92904.000	92904.00 ✓	
40	5th Year Maintenance cost	Year	1.00	215742.000	215742.00 ✓	
	Total Cost of 5 years Maintenance,B				659676.00 ✓	
	TOTAL COST (A+B)				3402213.26 ✓	
	Labour Cess @1%				34022.13 ✓	
	GST @12%				408265.59 ✓	
	TOTAL COST				3844500.99 ✓	
	LESS As Per Aggrmnt(-5.67%)				217983.21 ✓	
	TOTAL AMOUNT =				3626517.78 ✓	
	SAY =				3626518.00 ✓	


08/03/2022


09/03/22

Executive Engineer
Rural Work Department
Works Division, Masaurhi


10/12/20


10/12/20

 APPROVED AS CORRECTED
10/12/20

SUPPLEMENTARY BOQ

6

SUPPLEMENTARY / REVISED BOQ OF ROAD FROM KHARAT POWANA ROAD TO JAGDISHPUR

DISTRICT - PATNA

BLOCK: Masaurhi

Sl. No.	Item of Work	Unit	Qty	Rate	Amount	Remarks
1	2	3	4	5	6	7
1	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	Ha	0.96	49524.68	47543.69	
2	Scarifying the existing bituminous road surface to a depth of 150 mm and disposal of scarified material with a lift upto 3 m and lead upto 1000 m as per Technical Specification Clause 301.4.	Sqm	1260.00	15.32	19303.20	
3	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 as per Technical Specification Clause 303.1.	Cum	1200.00	161.23	193476.00	
4	GSB-II:-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.	Cum	199.42	1752.97	349577.28	
5	WBM-II:-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.	Cum	116.07	3244.86	376630.90	

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APPROVED AS CORRECTED

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12/14/22

	Total (A):-			0.00	4394991.70	
	5 years Maintenance					
35	1st Year Maintenance cost	Year	1.00	95799.00	95799.00	
36	2nd Year Maintenance cost	Year	1.00	142251.00	142251.00	
37	3rd Year Maintenance cost	Year	1.00	357389.00	357389.00	
38	4th Year Maintenance cost	Year	1.00	145967.00	145967.00	
39	5th Year Maintenance cost	Year	1.00	388608.00	388608.00	
	Total Cost of 5 years Maintenance				1130014.00	
	TOTAL COST:-				5525005.70	
40	Labour Cess @1%				55250.06	
41	GST @12%				663000.68	
	TOTAL COST OF PROJECT				6243256.44	
42	LESS As Per Agrmnt. (-5.67%)				353992.64	
	TOTAL AMOUNT =				5889263.80	
	SAY =				5889264.00	

(Signature)
08/08/22

(Signature)
09/07/22

Executive Engineer
Rural Work Department
Works Division, Masaurhi

Revised / Bill of Quantity Approved as corrected for Item No
① to ②⑨ for Rs. 58,89,264.00 (Rupees Fifty eight
lakh eighty nine thousand two hundred and sixty four
only)
Including Five Years Maintenance.

(Signature)
Estimator
R.W.D.

(Signature)
प्रावकलन पदाधिकारी
ग्रामीण कार्य विभाग

(Signature)
तकनीकी सलाहकार

(Signature)
Superintending Engineer

SUPPLEMENTARY BOQ

SUPPLEMENTARY / REVISED BOQ OF ROAD FROM POWAWAN TO SUPAHALLI

DISTRICT - PATNA

BLOCK: Masaurhi

Sl No	Item of Work	Unit	Qty	Rate	Amount	Remarks
1	2	3	4	5	6	7
1	Cleaning 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	Ha	0.65	49524.68	32191.04	
2	Scarifying the existing bituminous road surface to a depth of 150 mm and disposal of scarified material with a lift upto 3 m and lead upto 1000 m as per Technical Specification Clause 301.4.	Sqm	131.25	15.32	2010.75	
3	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 as per Technical Specification Clause 303.1.	Cum	817.50	161.23	131805.53	
4	GSB-II:-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.	Cum	92.55	1752.97	162237.37	
5	WBM-II:-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.	Cum	55.93	3240.88	181262.42	
6	WBM-III:-Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	Cum	141.44	3028.53	428355.28	
7	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.	Sqm	1885.87	41.75	78735.07	
8	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.	Sqm	6014.24	14.16	85161.64	

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APPROVED AS CORRECTED

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	Total (A):-				2765574.92
	5 years Maintenance				
30	1st Year Maintenance cost				
31	2nd Year Maintenance cost	Year	1.00	60282.00	60282.00
32	3rd Year Maintenance cost	Year	1.00	83391.05	83391.05
33	4th Year Maintenance cost	Year	1.00	257664.80	257664.80
34	5th Year Maintenance cost	Year	1.00	111822.00	111822.00
	Total Cost of 5 years Maintenance	Year	1.00	275813.65	275813.65
					788973.50
	TOTAL COST:-				3554548.42
35	Labour Cess @1%				35545.48
36	GST @12%				426545.81
	TOTAL COST OF PROJECT				4016639.71
37	LESS As Per Aggrement (-5.67%)				227743.47
	TOTAL AMOUNT =				3788896.24
	SAY =				3788896.00

[Signature]
08/08/2022

[Signature]
09/10/2022
Executive Engineer
Rural Work Department
Works Division, Masaurhi

Revised Bill of Quantity Approved as corrected for Item No. ① to ③③ for Rs. 3788896.00 (Rupees Thirty Seven lakh Eighty eight thousand eight hundred and Ninety only) including Five Years Maintenance.

[Signature]
Estimator
R.W.D.
Works Circle, Patna

[Signature]
प्राक्कलन पदाधिकारी
ग्रामीण कार्य विभाग
कार्य अंचल पटना

[Signature]
तकनीकी सलाहकार
ग्रामीण कार्य विभाग
कार्य अंचल, पटना

[Signature]
Superintending Engineer
R.W.D. WORKS CIRCLE, PATNA

SIPPLEMENTARY / REVISE BOQ OF ROAD FROM MASAUHRI PITWAS ROAD TO LAHASUNA

2

DISTRICT - PATNA

BLOCK: Masaurhi

Length:- 0959 km

Sl. No.	Item of Work	Unit	Amount		
			Qty	Rate	Amount
1	2	3	4	5	6
1	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	Ha	0.580	49524.680	28724.314
2	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 as per Technical Specification Clause 303.1.	Cum	345.240	161.230	55663.065
3	WBM-III:-Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	Cum	14.760	2976.430	43932.107
4	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.	Sqm	196.800	41.750	8216.400
5	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 celled with hydriloc broom as per technical specification clause 503.	Sqm	7264.430	14.160	102864.329
6	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.	Sqm	3632.210	180.850	656885.179
7	Providing and laying Semi dense bituminous macadam with 100-120 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction.	Sqm	91.700	8594.300	788097.310

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APPROVED AS CORRECTED

