

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

E-mail ID- sc.bhagalpur.rwd@gmail.com

Mobile No. 8986915214

प्रेषक,

पत्रांक... 351/अनु०/भागलपुर।

दिनांक... 12/03/24

ई० अभय आनन्द शर्मा
अधीक्षण अभियंता

सेवा में,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, कहलगाँव।

विषय :- भागलपुर जलापूर्ति योजना फेज-2 के अधीन पाईपलाईन बिछाने हेतु काटी जाने वाली सड़क के **Emergent Repair** के प्राक्कलन की तकनीकी अनुमोदन प्रदान करने के संबंध में।

प्रसंग :- कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, कहलगाँव का पत्रांक-317 अनु०, दिनांक-09.03.2024।

महाशय,

उपरोक्त विषयक प्रासंगिक पत्र से संबंधित भागलपुर जलापूर्ति योजना फेज-2 के अधीन पाईपलाईन बिछाने हेतु काटी जाने वाली सड़क के **Emergent Repair** के प्राक्कलन की तकनीकी अनुमोदन उपरांत प्राक्कलन का अग्रेतर कारवाई हेतु प्रेषित किया जाता है, जो निम्न हैं-

S.N.	Block	Name of The Road	Length (In km)	Estimated Amount (In Lakh)
1	Sabour	NH-80 Mirachak	0.930	92.541

अनु०:- यथोक्त।

विश्वासभाजन



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


12/03/24



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

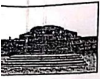
BIHAR RURAL ROADS PROJECT

DETAILED PROJECT REPORT



DISTRICT :	Bhagalpur	BLOCK :	Sabour
DIVISION :	Kahalgaon	PROJECT ID :	
NAME OF ROAD :	Estimate of Road Of NH-80 To Mirachak Cutting And Restoration Work For Laying Of Pipe Line For Bhagalpur Water Supply Project By BUIDCo. Under Road Division Kahalgaon		
TOTAL LENGTH IN KM.	:	0.930	KMS
TOTAL CONSTRUCTION LENGTH IN KM.	:	0.930	KMS
TOTAL CONSTRUCTION COST	:	92.935	Lakhs
AVERAGE CONSTRUCTION COST PER KM.	:	99.930	Lakhs
TOTAL PROJECT COST	:	92.935	Lakhs
AVERAGE COST PER KM	:	99.930	Lakhs

Submitted By:
Executive Engineer
RWD (w) Division, Kahalgaon
Bhagalpur



भागलपुर समाहरणालय

(जिला योजना कार्यालय)



पत्रांक— 206 / जि0यो0, दिनांक— 02.02.2024

प्रेषक,

उप निदेशक—सह—
जिला योजना पदाधिकारी,
भागलपुर।

सेवा में,

जिला शिक्षा पदाधिकारी, भागलपुर।
जिला कल्याण पदाधिकारी, भागलपुर।
कार्यपालक अभियंता, पथ निर्माण विभाग, भागलपुर।
कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, भागलपुर/ कहलगाँव/ नवगछिया।
कार्यपालक अभियंता, राष्ट्रीय उच्च पथ, भागलपुर।
कार्यपालक अभियंता, बाढ़ नियंत्रण प्रमंडल, भागलपुर/ नवगछिया।
कार्यपालक अभियंता, लघु सिंचाई प्रमंडल, भागलपुर।
कार्यपालक अभियंता, लोक स्वा0 अभि0 प्रमंडल, पूर्वी/ पश्चिमी, भागलपुर।
कार्यपालक अभियंता, नगर निगम, भागलपुर।
कार्यपालक अभियंता, भवन प्रमंडल, भागलपुर।
परियोजना निदेशक, एन0एच0ए0आई0, भागलपुर एवं वेगुसराय।
कार्यपालक अभियंता, स्था0 क्षे0 अनि0 सं0, कार्य प्रमंडल, भागलपुर/ नवगछिया।
विद्युत कार्यपालक अभियंता, विद्युत आपूर्ति प्रमंडल, ग्रामीण (पूर्वी)/ शहरी, भागलपुर।
कार्यपालक अभियंता, ए0डी0बी0 प्रोजेक्ट, बुढको भागलपुर।
कार्यपालक अभियंता, नगर विकास प्रमंडल, भागलपुर—बांका, भागलपुर।
कार्यपालक अभियंता, सिंचाई प्रमंडल, भागलपुर—बांका, भागलपुर।
वरीय परियोजना अभियंता, बिहार राज्य पुल निर्माण निगम, भागलपुर।
वरीय परियोजना अभियंता, बिहार राज्य पुल निर्माण निगम, खगड़िया।
कार्यपालक अभियंता, बिहार राज्य सड़क विकास निगम, भागलपुर।
कार्यपालक अभियंता, गंगा पम्प नहर, शिवनारायणपुर/ कहलगाँव।
कार्यपालक अभियंता, विद्युत संचरण प्रमंडल, भागलपुर।
परियोजना अभियंता, MORTH, बिहपुर — बीरपुर, परियोजना।
वरिष्ठ परियोजना प्रबंधक, सी0जी0डी0, भागलपुर।
प्रोजेक्ट मैनेजर, स्मार्ट सिटी, भागलपुर।
डी0जी0एम0, भवन निर्माण निगम, भागलपुर।
अधिकारी (परियोजना— पाईप लाईन), NRL परियोजना पाईप लाईन, बिहार।
कार्यपालक अभियंता, केन्द्रीय लोक निर्माण विभाग, भागलपुर।
आधारभूत संरचना से संबंधित योजनाओं का लंबित अनापत्ति प्रमाण—पत्र से संबंधित प्रतिवेदन तथा वित्तीय एवं भौतिक प्रतिवेदन उपलब्ध कराने एवं समीक्षात्मक बैठक में भाग लेने के संबंध में।

विषय :

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि जिलाधिकारी महोदय की अध्यक्षता में दिनांक 03.02.2024 को 11.00 बजे पूर्वाह्न में समीक्षा भवन में आधारभूत संरचना से संबंधित योजनाओं का लंबित अनापत्ति प्रमाण—पत्र की समीक्षात्मक बैठक निर्धारित है।

निदेशानुसार अनुरोध है कि अपने-अपने विभाग का आधारभूत संरचना से संबंधित योजनाओं का लंबित अनापत्ति प्रमाण—पत्र का संलग्न विहित प्रपत्र में प्रतिवेदन के साथ वित्तीय एवं भौतिक प्रतिवेदन का हार्ड एवं सॉफ्ट कॉपी में आज ही दिनांक 02.02.2024 के अपराह्न 3:00 बजे तक अचूक रूप से उपलब्ध कराने की कृपा की जाय। साथ ही उक्त निर्धारित तिथि को ससमय बैठक में भाग लेने की कृपा की जाय।

विश्वासप्रमाण

उप निदेशक—सह—
जिला योजना पदाधिकारी,
भागलपुर।

E-mail ID: bgp.dpo@gmail.com



भागलपुर समाहरणालय (जिला योजना कार्यालय)



ज्ञापक- 206 / जि0यो0, दिनांक- 02.02.2024

- प्रतिलिपि : नगर आयुक्त, नगर निगम, भागलपुर को सादर सूचनार्थ समर्पित। अनुरोध है कि उक्त बैटक में ससमय भाग लेने की कृपा की जाय।
- प्रतिलिपि : उप विकास आयुक्त, भागलपुर को सादर सूचनार्थ समर्पित। अनुरोध है कि उक्त बैटक में ससमय भाग लेने की कृपा की जाय।
- प्रतिलिपि : जिलाधिकारी, भागलपुर को सादर सूचनार्थ समर्पित।

उप निदेशक-सह-
जिला योजना पदाधिकारी,
भागलपुर।

प्रतिवेदन

प्रमण्डल का नाम : कहलगाँव
प्रखंड का नाम : सबौर
योजना शीर्ष : Restoration work of Road Cutting
पथ का नाम : Estimate for Restoration of Road Cutting of NH-80 to Mirachak for
laying of Pipe Line for Bhagalpur Water Supply Project by BUIDCo
पथ की कुल लम्बाई : 3.042 कि०मी०
पुनर्स्थापन कार्य की लम्बाई : 0.930 कि०मी०
प्रकालित राशि : 92.541 लाख

प्रस्तुत प्राक्कलन NH-80 से मीराचक (लम्बाई - 3.042 कि०मी०) में बुडको विभाग द्वारा भालपुर जलाशय योजना फेज-2 के अधीन Intake well से WTP तक पाईपलाईन बिछाने के काटी जाने वाली पथों के पुनर्स्थापन कार्य हेतु तैयार किया गया है।

पथ में 1300mm dia Pipeline बिछाने हेतु 3.00 m width एवं 3.00 m depth का cutting किया जाना है। पुनर्स्थापन कार्य की कुल लम्बाई 0.930 Km है। जिसमें 780 मीटर BT Pavement और 150 मीटर CC pavement है।

BT-Pavement में Earthwork, GSB Grading-II, WBM Gr-II and Gr-III, BM and SDBC का प्रावधान किया गया है। CCPavement में 160mm thickness का प्रावधान किया गया है।

परियोजना निदेशक (असैनिक), बुडको, भालपुर द्वारा पत्रांक 947 दिनांक 22.12.2023 के द्वारा उक्त पाईपलाईन कार्य कराने हेतु पथ को काटने, पाईप बिछाने एवं पुनर्स्थापन करने हेतु अनापति प्रमाण-पत्र की मांग की गयी है। सड़क काटने के क्रम में Shoulder एवं Embankment पूरी तरह क्षतिग्रस्त हो रहा है, जिसके पुनर्स्थापन हेतु प्राक्कलन में आवश्यकतानुसार मिट्टी (Earthwork) का प्रावधान किया गया है।

प्रस्तुत प्राक्कलन वर्तमान अनुसूचित दर पर तैयार किया गया है एवं विभागीय स्वीकृति मिलने के उपरांत बुडको भालपुर से उक्त पथ का पुनर्स्थापन कार्य कराया जायेगा। अतः उन्निहित में प्राक्कलन की स्वीकृति आवश्यक है।

02/01/24

कृपय अभिलेखा
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, सबौर।

सहायक अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, सबौर।

कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, कहलगाँव।

GENERAL ABSTRACT OF COST

Block:- Sabour

District:- Bhagalpur

Construction Length of Road:- 0.930 KM

Of NH80 to Mirachak

Name of Road:-

Estimate of Road Cutting And Restoration Work For Laying Of Pipe Line For Bhagalpur Water Supply Project By BUIDCO. Under Division Kahalgaon Works

SL. No.	Item of Work	Amount
A	TOTAL COST OF CONSTRUCTION :	76.570 60.704 Lacs
	Seigniorage fee :	1.423 12.367 Lacs
	LABOUR CESS @1% :	0.766 0.687 Lacs
	SUB TOTAL :	78.759 81.758 Lacs
	GST @ 18% :	14.177 1.115 Lacs
	TOTAL(A) :	92.935 82.872 Lacs
	TOTAL PROJECT COST (A+B)	82.872 Lacs
	TOTAL PROJECT COST :	92.935 82.872 Lacs


03/02/24
Junior Engineer
RWD, Sabour


03/02/24
Asstt. Engineer
RWD (w) Division, Kahalgaon


03/02/24
Executive Engineer
RWD (w) Division, Kahalgaon


12/02/24
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur

Technically approved for Rs. 92.935 lacs (Rupees ninety two lakh ninety three thousand five hundred) only.


12.3.24
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur

12/03/24

SUMMARY OF COST ESTIMATE

03 NH 80 to Mankachik

NAME OF ROAD :

Estimate of Road Cutting And Restoration Work For Laying Of Pipe Line For Bhagalpur Water Supply Project by BUIDCo. Under Road Division Kahalgaon

DISTRICT Bhagalpur
BLOCK Sabour
DIVISION Kahalgaon
LENGTH OF CONSTRUCTION ROAD 0.930 km
LENGTH OF BT PAVEMENT 0.700 km
LENGTH OF CC PAVEMENT 0.150 km
CD STRUCTURES
HUME PIPE 0
RCC SLAB CULVERT 0
BOX CELL CULVERT 0

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A		
1	PREPARATORY WORKS ,SITE CLEARANCE , DISMANTLING	0.760
2	EARTHWORK	0.409
3	GSB GR-I & GR-II	14.202
4	WBM GRADE II	0.000
5	WBM GRADE III	9.549
6	WMM	0.000
7	PRIME COAT	1.660
8	TACK COAT	1.043
9	BM	14.489
10	SDBC	8.954
11	CEMENT CONCRETE PAVEMENT	6.355
12	ROAD FURNITURES , KM STONES , TRAFFIC & DIRECTION SIGN, MAINTENANCE BOARD, ROAD SAFETY & PLANTATION OF TREES.	2.208
	SUB TOTAL OF PAVEMENT COST IN LACS =	40.704
	AVERAGE COST PER KM (IN LACS) =	24.075
	SUB TOTAL(A) =	40.704
	1% LABOUR CESS @	0.607
	10% SEIGNIORAGE FEE(Construction)	4.115
	TOTAL COST OF PROJECT (Including GST & Labour Cess) IN LACS =	92.935

8.088
15.364
8.100

76.570
82.334
76.570
0.766
1.423

03/02/24
Junior Engineer
RWD, Sabour

03/02/24
Asstt. Engineer
RWD (w) Division, Kahalgaon

03/02/24
Executive Engineer
RWD (w) Division, Kahalgaon

EARTHWORK CHART

1. ~~Pre~~ Estimate of Road Cutting And Restoration Work for
 Laying Of Pipe Line For Bhagalpur Water Supply Project By
 RIIDCo. Under Road Division Kahalean
 Sabour
 Kahalgau

Name of Road:

Block:

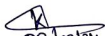
DIVISION :

CH	Area Cut (m2)	Area Fill (m2)	Volume Cut (m3)	Volume Fill (m3)
0	0.000	1.745		
25	0.000	6.063	0.000	97.600
50	0.000	11.415	0.000	218.470
75	0.000	7.783	0.000	239.970
100	0.000	11.415	0.000	239.970
125	0.000	8.863	0.000	253.470
150	0.000	11.415	0.000	253.470
175	0.000	10.265	0.000	271.000
200	0.000	9.693	0.000	249.480
225	0.000	14.024	0.000	296.460
250	0.000	11.415	0.000	317.990
275	0.000	9.694	0.000	263.860
300	0.000	7.974	0.000	220.850
325	0.000	4.531	0.000	156.320
350	0.000	2.813	0.000	91.800
375	0.000	4.533	0.000	91.820
400	0.000	3.702	0.000	102.940
425	0.000	4.528	0.000	102.880
450	0.000	4.531	0.000	113.240
475	0.000	3.593	0.000	101.560
500	0.000	4.005	0.000	94.970
525	0.000	3.733	0.000	96.730
550	0.000	3.054	0.000	84.840
575	0.000	2.715	0.000	72.100
600	0.000	3.365	0.000	76.000
625	0.000	4.315	0.000	96.000
650	0.000	4.279	0.000	107.430
675	0.000	3.948	0.000	102.840
700	0.000	4.361	0.000	103.860
725	0.000	2.900	0.000	90.770
750	0.000	2.004	0.000	61.310
775	0.000	2.708	0.000	58.910
800	0.000	3.339	0.000	75.590
825	0.000	4.022	0.000	92.000
850	0.000	3.116	0.000	89.220
875	0.000	4.258	0.000	92.180

CH	Area Cut (m2)	Area Fill (m2)	Volume Cut (m3)	Volume Fill (m3)
900	0.000	3.068	0.000	91.580
925	0.000	3.341	0.000	80.120
NET E/W (Including Crust)				5249.60

Proposed Pavement	
E/W Including Crust	5249.600
Deduction	
GSB	694.931 751.743
WBM-II	0.000 221.569
WBM-III	264.178 264.178
WMM	0.000
BM	147.713
SDBC	73.861
Subgrade & Shoulder	2664.330 2120.280
Cement Concrete	90.900
Net Qty of E/w for Filling	1271.688

1537.356


03/02/24
JE


03/02/24
AE


3/02/24
EE

Detailed Cost Estimate For Road Construction

Name Of Road :-			Estimate of Road Of NH-80 To Mirachak Cutting And Restoration Work For Laying Of Pipe Line For Bhagalpur Water Supply Project By BUIDCo, Under Road Division Kahaigaon					Total Length In Km :-			BLOCK :-		Sabour		
Sl. No.	SDB Sl. No	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)				
1	2.15	202	Dismantling of Cement Concrete Pavements 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												
			From CH-780 To Ch-930, For Provision Of Rigid Pavement	Cum	1.00	150.00	1.750	0.160	42.00						
			NET QTY	Cum					42.00	1,808.54	75,959.00				
A) SUB TOTAL OF PREPARATORY WORKS												75,959.00			
2	3.4	302	Sub Head : EARTHWORK Construction of Embankment 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 .												
			Net Earthwork Quantity	Cum	100%		1,537.36		1,537.36	160.98	2,47,484.00				
			For 100 M Lead	Cum											
3	3.14	303.1	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.												
			For Subgrade Construction On Earthen Road												
			Adjacent To BM & SDBC	cum	2,000	780,000	1,200	0.075	140.40						
			Adjacent To G-III	cum	2,000	780,000	1,350	0.075	157.95						
			Adjacent To GSB	cum	2,000	780,000	2,050	0.200	639.60						
			Adjacent To PCC	cum	2,000	150,000	1,285	0.160	61.68						
			Adjacent To WBM-G-III (PCC Portion)	cum	2,000	150,000	1,360	0.075	30.60						
			Adjacent To GSB (PCC Portion)	cum	2,000	150,000	1,460	0.100	43.80						
			For 1000 m lead @ 100 %	Cum	100%				2,120.28	264.72	5,61,281.00				
B) SUB TOTAL OF EARTHWORK =												8,08,765.00			

Detailed Cost Estimate For Road Construction

Name Of Road :-			Estimate of Road of NH-40 To Mirachak Cutting And Restoration Work For Laying of Pipe Line For Bhagalpur Water Supply Project By BUIDCO, Under Road Division Kahaigaon					Total Length in Km :-		BLOCK :- Sabour	
Sl. No.	SDR SL. NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
4	4.1	401	Sub Head : PAVEMENT LAYERS - GSB & WBM ITEMS								
			Granular Sub-base with Well Graded Material (Table 400.1)								
			(By mix in place method) For Grading I 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.								
5	4.7	405	For New BT On Earthen Portion								
			For New PCC On Earthen								
			Add for extra widening on curve (1%)								
			Net GSB Qty								
5	4.7	405	Water Bound Macadam with Stone Screening Gr-II								
			WBM Grading 2 (By Mechanical 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, crutable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.								
			For New BT On Earthen Portion								
6	4.7	405	Add for extra widening on curve (1%)								
			Net WBM -2 Qty								
			WBM Grading 3 (By Mechanical 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 smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.								
6	4.7	405	For New BT On BT Portion								
			For New PCC On Earthen								
			Add for extra widening on curve (1%)								
			Net WBM -3 Qty								
C) SUB TOTAL OF CRUST =											
33,01,305.00											

Detailed Cost Estimate For Road Construction											
Name Of Road :-			Estimate of Road of NH-80 To Mirchak Cutting And Restoration Work For Laying Of Pipe Line For Bhagalpur Water Supply Project By BUIDCO, Under Road Division Kahaigoon					Total Length In Km :-		BLOCK :-	Sabour
Sl. No.	SDB SL NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
SUB HEAD : BITUMINOUS ITEMS											
7	5.1	502	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 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.								
			For New BT	Sqm	1.00	780.00	3.750		2,925.0		
			Add for extra widening on curve (1%)	Sqm					29.25		
			Net Area	Sqm					2,954.25		
8	5.2	503	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 hydrilce broom as per technical specification adouse 503.							56.19	1,65,999.00
			For New BT	Sqm	1.00	780.00	3.750		2,925.0		
			Add for extra widening on curve (1%)	Sqm					29.25		
			Net Area	Sqm					2,954.25	19.23	56,810.00
9	5.3	504	Bituminous Macadam Providing and laying 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 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.								
			For BT Portion	Cum	1.00	780.00	3.750	0.050	146.25		
			Add for extra widening on curve (1%)						1.46		
			Net Area	Cum					147.71	9,809.17	14,48,937.00
10	5.2	503	Tack Coat 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.								
			For Fresh Bituminous surface	Sqm	1.00	780.00	3.750		2,925.00		
			Add for extra widening on curve (1%)						29.25		
			Net Area	Sqm					2,954.25	16.09	47,534.00
11	5.7	508	Semi-Dense Bituminous Concrete 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.								
			For BT Portion	Cum	1.00	780.00	3.750	0.025	73.13		

Detailed Cost Estimate For Road Construction

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Detailed Cost Estimate For Road Construction																				
Name Of Road :-	Estimate of Road Of NH-80 To Mirachak Cutting And Restoration Work For Laying Of Pipe Line For Bhagalpur Water Supply Project By BUIDCO, Under Road Division Kahaigaon						BLOCK :-	Sabour												
Sl. No.	SDB Sl. No	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HIEGHT	QUANTITY	RATE										
Providing and fixing of typical MMSSTY Informatory sign board with Logo as per MORID specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat from 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. These posts duly embedded in 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 enamelled 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										3.00								32,188.00		
Providing and Fixing 'Logo' of Maintenance Project										No.	3									
										G) SUB TOTAL OF ROAD FURNITURES = TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F+G)=										
										2,20,798.64 76,57,034.64										

Name of Road :-		Estimate of Road Of NH-80 To Mirachak Cutting and Restoration Work for Laying of Pipe Line For Bhagalpur Water Supply Project By BUIDCO, Under Road Division Kahaigoon						Total Length in Km :-			BLOCK :-	Savour
Sl. No.	SIB SL NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)	
			Providing and fixing of typical MMSV informatory sign board with Logo as per MORD specifications and drawing. Three MS plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5mm size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in 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 enamelled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality 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									
			Providing and Fixing 'Logo' of Maintenance Project	No.	3				3.00	10.729.36	32.188.00	
G) SUB TOTAL OF ROAD FURNITURES =											2,20,798.64	
TOTAL COST OF PAVEMENT IN RS. (A+B+C+D+E+F+G)=											76,57,034.64	

AE 32724

RWD (w) Division, Kahalgaon

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