

अधीक्षण अभियन्ता का कार्यालय
ग्रामीण कार्य विभाग, कार्य अंचल, मुजफ्फरपुर

पत्रांक: 1741

मुजफ्फरपुर, दिनांक 31-12-2020

प्रेषक,

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

सेवा में,

कार्यपालक अभियन्ता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, महुआ।

विषय :- नई अनुरक्षण नीति 2018 (FDR) अंतर्गत योजना का तकनीकी अनुमोदन के संबंध में।

प्रसंग :- आपका पत्रांक 3093 महुआ/दिनांक 30.12.2020

महाशय,

उपर्युक्त विषय नई अनुरक्षण नीति 2018 (FDR) अंतर्गत Jodhan Chhowk to Parmanandpur Lal. तक पथ में आये बाढ़ से क्षतिग्रस्त भाग में Motrable किया गया जिसका प्राक्कलन तैयार कर तकनीकी अनुमोदनोपरान्त लौटाया जा रहा है।

अनु0-यथोक्त।

विश्वासभाजन



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



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

DETAILED PROJECT REPORT FOR FDR ROAD

बिहार



FDR

DISTRICT : VAISHALI BLOCK : MAHUA
ROAD NAME : JODHAN CHOWK TO PARMANANDPUR LAL

PART-A TOTAL COST OF INTIAL
RECTIFICATION IN SURFACE
RENEUAL(ADD GST+LC)

7.775 LAKH

PREPARED BY

NAMO NARAYAN CONSULTANTS PVT. LTD.

Architects , Engineers , Planners , Designers

Shivpuri , Patna , (Bihar) , Pin- 800023

Mobile No :- +918102676495

Email : namonarayanconsultantspvtltd.com

Inspection Report for Flood Damage Work

Date.:

1. Name of PIUs - Er Sgnjeer Kumar, E.E;

2. Name of Block - Mahua

3. Name of Road/Bridge - Jodhan Chowk To Parmanandpur Lal

A. for Road

1. Damage Location/Chainage : CH 3110M

2. Damage Length : 36m

3. Nature of Damage : Flood in Baya River

4. Details of Restoration Works :

i. Material being used in Restoration works : Jhama

ii. Equipments/Tools being used in Restoration Works : J.C.B., TRACTOR, ROLLER

iii. Procedure taken up in Restoration works :

iv. Restored Length : 36m

B. for Bridge

1. Damage Location/Chainage :

2. Damage Length :

3. Nature of Damage :

4. Details of Restoration Works :

i. Material being used in Restoration works :

ii. Equipments/Tools being used in Restoration Works :

iii. Procedure taken up in Restoration works :

iv. Restored Length :

J.E. 25/12/2020 A.E. 25/12/2020

25/12/2020
Executive Engineer,
R.W.D. Works Division,

Signature 25/12/2020
(Name of Inspector)

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य प्रमंडल, महुआ।

पत्रांक:- 2452

/महुआ

दिनांक:- 14/10/2020

सेवा में,
नोडल पदाधिकारी,
MIS
ग्रामीण कार्य विभाग, बिहार पटना।

विषय:- Flood/Rain Damaged Road/Bridge Entry Module के MIS में पथ का नाम जोड़ने के संबंध में।

महाशय,

उपरोक्त विषयक के संबंध में कहना है कि MR New Maintenance Policy-18 योजना अंतर्गत के पथों में बाड आने से क्षतिग्रस्त हुए हैं जिसकी प्रविष्टि Flood/Rain Damaged Road/Bridge Entry Module में करनी है परन्तु निम्नलिखित पथ का नाम इस Module के Drop Down List में नहीं आ रही है जिसे चिह्नित कर आपकी भेजी जा रही।

अतः निम्नलिखित पथों का नाम Flood/Rain Damaged Road/Bridge Entry Module में जोड़ने का कष्ट करेंगे ताकि इसकी प्रविष्टि MIS में की जा सके।

क्र.सं.	योजना शीर्ष	पथ का नाम	ग्रंथ का नाम	प्रोजेक्ट आई.डी.
1	MR New Maintenance Policy-18	Maksudpur Jogi baba sthan-Narsingpur path via nilkantpur	Mahua	31507502033
2	MR New Maintenance Policy-18	Jodhan chowk-Parmanadpur lal	Mahua	31507502057

सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

विश्वासभाजन,

14.10.20

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, महुआ।

GENERAL ABSTRACT OF COST FOR FDR ROAD

PACKAGE NO. PMGSY
DATE OF COMPLETION 0
NAME OF ROAD : JODHAN CHOWK TO PARMANANDPUR LAL
DISTRICT VAISHALI
BLOCK MAHUA
DIVISION MAHUA

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
PART-A	INITIAL RECTIFICATION INCLUDING SURFACE RENEWAL	
2	BRICK BADS FILLING	5.680
3	GSB GR-II	0.604
5	WBM GRADE III	0.418
	PARAPET	0.179
1	TOTAL COST OF CONSTRUCTION (IN LACS) =	6.881
i)	GST @ 12 % (IN LACS) =	0.826
ii)	LABOUR CESS @ 1 % (IN LACS) =	0.069
A	TOTAL COST OF CONSTRUCTION (WITH 12% GST + 1% L.C) (IN LACS)=	7.775

[Signature]
JE
RWD

[Signature]
AE
RWD

[Signature]
EE
RWD

IA Approved for Rs-7.775 Lakh (Rupees Seven Lakh Seventy Seven thousand five hundred only)
MHS

Technically Sanctioned for Rs 7.775 SE. RWD
(Rupees Seven Lakh Seventy Seven thousand five hundred) only
[Signature] 21/12/21
[Signature] 21/12/21

Sl.No.	SDB SL.NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT - (in Rs.)
2	3.14	303.1	BRICK BADS FILLING								
				Cum	1	12.20	4.573	0.914	50.97		
				Cum	4	5.48	4.115	1.981	178.62		
				Cum	1	13.79	4.573	0.914	57.64		
				Cum	1	5.18	3.658	0.609	11.54		
									298.77	1,901.13	5,68,001.00
A) SUB TOTAL OF CRUST =											5,68,001.00

Sl.No.	SDB SL.NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
3	4.1	401 (ii)	Sub Head : PAVEMENT LAYERS - GSB & WBM ITEMS 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.	Cum Cum	1 12%	36.65 36.65	4.05 3.750	0.150 0.125	22.265 2.062		
			PROFILE LEVELING COURSE	Cum							
			Net GSB Qty						24.326	2,481.53	60,367.00
5	4.7 (3-B)	405	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.								
			PROFILE LEVELING COURSE	Cum	1.00	36.65	3.75	0.075	10.308		
			Add for Extra Widening On Curve (1%)	Cum	0%	36.65	3.750	0.075	0.000		
			Net WBM -3 Qty						10.31	4,053.28	41,780.00
										B) SUB TOTAL OF CRUST =	1,02,147.00
										TOTAL COST OF PAVEMENT IN RS. =	6,70,148.00

JE
RWD

AE
RWD

28.11.20
RWD

Quantities & Cost Estimate for Construction of Parapet Wall (0.4 m Width x 0.6 m height)

Sl No	SDB Sr. No.	Item of work involved	Unit	Total Qty	Rate (₹)	Amount (₹)
1	13.9	Brick Masonry in C.M.(1:3) in parapet 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				
		2 x 4.15 x 0.40 x 0.60 =	1.97			
		Total Qty =	= 1.97 cum	1.97	5,734.63	11,297.00
2	2.3 (i)	Plastering with cement mortar (1:4) Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications				
		Side Face 4.00 x 4.15 x 0.60 =	9.950			
		Top 2.00 x 4.15 x 0.40 =	3.280			
		Front Face 4.00 x 0.40 x 0.60 =	0.960			
		Total Qty =	= 14.190 sqm	14.19	172.09	2,442.00
3	12.1	Painting Two Coats on New Concrete Surfaces 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				
		Side Face 4.00 x 4.00 x 0.60 =	9.600			
		Top 2.00 x 4.00 x 4.15 =	33.170			
		Front Face 4.00 x 0.40 x 0.60 =	0.960			
		Total Qty =	= 43.730 sqm	43.73	95.63	4,182.00
Total Amount for One Culvert =						17,921.00
Cost of 1 No CULVERT Parapet =						17,921.00

25/11/20

29/11/20

29.11.20

Comparison Of Carriage Cost Of Material Via Rail & Road From Different Sources

Name Of Road:-- Jodhan chowk TO parmanandpur lal

Block :- MAHUA

District:- VAISHALI

LENGTH OF ROAD :- 0.000 Km

Sl No	Item	Unit	Source	Carriage Cost & Lead in Km		Loading & Unloading Cost	Carriage By Road	Carriage By Rail	Total	Lowest Rate
				Pukka / Surface	Katcha					
10	Brick	1000 Nos	Local	$\frac{8.00}{2.00} \times 7.52 \times 8 \text{ Km} = \text{Rs } 240.64$	$\frac{8.00}{2.00} \times 18.19 \times 1 \text{ Km} = \text{Rs } 72.76$	446.72	760.12	0.00	760.12	760.10
11	Cement	MT	Hajipur	$\frac{8.00}{8.00} \times 7.52 \times 39 \text{ Km} = \text{Rs } 293.28$	$\frac{8.00}{8.00} \times 18.19 \times 0 \text{ Km} = \text{Rs } 0.00$	322.54	615.82	0.00	615.82	615.80
12	Steel	MT	Hajipur	$\frac{8.00}{8.00} \times 7.52 \times 39 \text{ Km} = \text{Rs } 293.28$	$\frac{8.00}{8.00} \times 18.19 \times 0 \text{ Km} = \text{Rs } 0.00$	343.32	636.60	0.00	636.60	636.60
13	Hume Pipe (1000 mm)	M	Hajipur	$\frac{8.00}{10.00} \times 7.52 \times 39 \text{ Km} = \text{Rs } 234.62$	$\frac{8.00}{10.00} \times 18.19 \times 0 \text{ Km} = \text{Rs } 0.00$	76.58	311.20	0.00	311.20	311.20
14	Hume Pipe (600 mm)	M	Hajipur	$\frac{8.00}{25.00} \times 7.52 \times 39 \text{ Km} = \text{Rs } 93.85$	$\frac{8.00}{25.00} \times 18.19 \times 0 \text{ Km} = \text{Rs } 0.00$	32.82	126.67	0.00	126.67	126.70

* Subjected to Verification of Lead

Cost Of Haulage Excluding Loading & Unloading As Per SOR

Type of Road	Per Ton. Km By Tipper	Per Ton. Km By Truck
For Surface Road	8.40	7.52
For Un Surface Road	10.10	9.04
For Kachha Road	20.30	18.19

Junior Engineer
R.W.D. Works Section

Asstt. Engineer
R.W.D. Works Sub - Division,

Executive Engineer
R.W.D. Works Division,

BRICK BATS PITCHING MANUAL MEANS

6.6.1 WRD Bihar	Labour for laying dry graded Jhama Khoa or stone filter under Brick Pitching or Boulder Pitching in slope or apron including light ramming etc. all complete as per approved design, specification and direction of E/I.			
	Unit :- Per Cum			
	Taking Output = 2.832 Cum			
	Unskilled Mazdoor	Nos.	3	287.00
	Add 6% Overhead Charges			51.66
	Rate for 2.832 Cum			912.66
	Rate per Cum (Rs.) -			383.15
1.4 RCD	Cost of Haulage excluding Loading & Unloading			
	Haulage of materials by tipper excluding cost of loading, unloading and stacking.			
	Unit = t.km			
	Taking output 10 t load and lead 10 km = 100 t.km			
	Case-I : Surfaced Road			
	Speed with load: 25 km per hour			
	Speed while returning empty: 35 km per hour			
	a) Machinery.			
	Tipper 10 t capacity			
	Haulage with load	hour	0.40	1043.00
	Empty return trip	hour	0.29	1043.00
	b) Overhead charges @ 0.06 on (a)			43.18
	Cost for 100 t.km = a+b+c			762.85
	Rate per t.km = (a+b+c)/100			7.60
	Say Rs. -			7.60
	Case-II: Unsurfaced Gravel Road			
	Speed with load: 20 km/hour			
	Speed for empty return trip: 30 km/hour			
	a) Machinery			
	Tipper 10 t capacity			
	Haulage with load	hour	0.50	1043.00
	Empty return trip	hour	0.33	1043.00
	b) Overhead charges @ 0.06 on (a)			51.94
	Cost for 100 t.km = a+b			917.63
	Rate per t.km = (a+b)/100			9.18
	Say Rs. -			9.18

BRICK BATS PITCHING MANUAL MEANS

1.1 RCD	Loading and Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by Mechanical Means				
	Rate per cum = (a+b+c)/5.5				83.64
Note:-	Unloading will be done manually.				
1.	Suplying for Brick Bats (with OH)				
A.	Basic Rate of Brick Bats	Per Cum		1259.00	1259.00
	Add overhed Charges		6%		75.54
	Total -				1334.54
	Surface Lead	KM	7		-
	Unsurface Lead	KM	1		-
	Factor (3.6/2.25)	Cum	1.60		-
B.	Carriage (with OH)				-
	(1.6 x 7 x 7.6) + (1.6 x 1 x 9.176314) + 83.64				183.44
C	Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)				
					383.15
	Total (A+B+C) -				1901.13
	Total Cost per Cum			Rs.-	1901.13