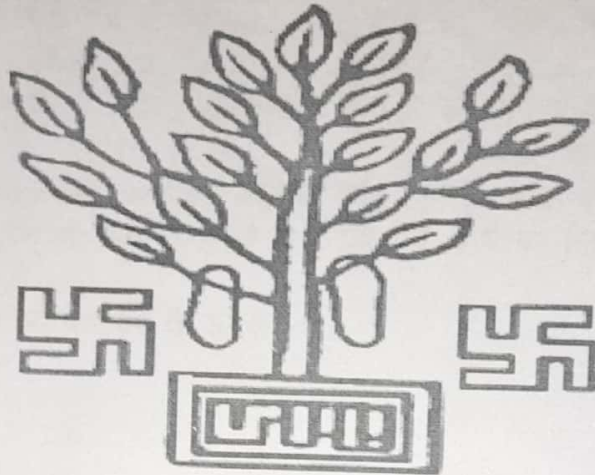


RURAL WORKS DEPARTMENT



GOVERNMENT OF BIHAR

NAME OF ROAD:- MMGSY JAGAT NARAYAN MEHATA GHAR VIA VAYSA
HAT TO RAMLAKHAN MEHATA KE GHAR SE

DIVISION:- R.W.D, WORKS DIVISION, VIRPUR

CIRCLE:- R.W.D, WORK CIRCLE, MADHEPURA

BLOCK:- SRAIGARDH BHAPTIYAH

ESTIMATED COST

2508071.00

प्रतिवेदन

1. कार्य का नाम : *MMMSY Project Nayan Mahda Bihar Khas Panchayat*
 2. कार्य का नाम : *Kam Lakhan Mahda Ke Oshar Sam*
 से बाढ़ से क्षतिग्रस्त भाग में शांतिपूर्वक चालू करने का कार्य।

प्रथम प्राकल्पित 10/06/2020 को प्रखण्ड में आग्री भीषण बाढ़ से क्षतिग्रस्त *MMMSY Project Nayan Mahda Bihar*
 से बाढ़ से क्षतिग्रस्त भूभाग में शांतिपूर्वक चालू करने हेतु तैयार किया गया है।
 इसकी प्राकल्पित लागत *25,08,021* है।
 इस पथ का निर्माण *MMMSY* यान्त्रिकता हुआ है एवं योजना अनुसंधान
 पथ को कटे (क्षतिग्रस्त)
 में आवश्यकता अनुसार Hume Pipe, Bamboo, लोकल बालू एवं Brick Bats देने के बाद
 जमात बालू कराया गया है। पथ के विभिन्न हिस्से में कराये गये कार्य का विवरणी स्पष्ट
 से प्राकल्पन में दर्शाया गया है।
 कलन सदी का दर वर्तमान अनुसूचित दर के अनुरूप है।

10/06/20
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25/06/20

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वि अभियंता,
 ग्रामीण कार्य विभाग,
 प्रशाखा,

सहायक अभियंता,
 ग्रामीण कार्य विभाग,
 कार्य अवर प्रमण्डल,

कार्यपालक अभियंता,
 ग्रामीण कार्य विभाग,
 कार्य प्रमण्डल,

Inspection Report for Flood Damage Work

Date:-.....

1.Name of PIUs:- *Sh. Arjun Kumar*

2.Name of Block:- *Brajesh Bhattacharya*

3.Name of Road:- *mainly Jagat Hazari Mehta Ghar via Vayla Lat to Ramlekhan Mehta Ke Ghar Se.*

A. For Road

1.Damage Location/Chainage :- *0 to 150 m*

2.Damage Length :- *150 m*

3.Nature of Damage :- *cutting*

4.Details of Restoration Works:-

(i.)Material being used in Restoration Works:-

Brick bat, Ec bag, Local sand.

(ii.)Equipments/Tools being used in Restoration works:-

(iii.)Procedure taken up in Restoration works:-

(iv.)Restored Length :-

B. For Bridge

1. Damage Location/Chainage:- *50 m*

2.Damage Length :- *damaged 0 to 150 m*

3.Nature of Damage :- *damaged*

4.Details of Restoration Works:-

(i.)Material being used in Restoration Works:-

Brick bat, Ec bag, Local sand

(ii.)Equipments/Tools being used in Restoration works:-

(iii.)Procedure taken up in Restoration works:-

(iv.)Restored Length :

M. K. Sharma
Signature of JE/AE/EE

X
28/10/20

Arjun Kumar

30/12/2020
Signature

(Name of Inspector)

Abstract of Cost

Name of Work : Estimate for Repairing/Restoration/Making Motorable Roads Damaged during flood in 2020 in SUPAUL District

Name of Road:

MMGSY JAGAT NARAYAN MEHATA GHAR VIA VAYSA HAT TO RAMLAKHAN MEHATA KE GHAR SE

Block: SRAIGARDH BHAPTIYAH

District: SUPAUL

Division : RWD, Works Division, VIRPUR

Circle: RWD, Work Circle, Madhepura

Sl No.	Description	Unit	Quantity (m3)	Rate (Rs)	Amount (Rs)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge.				
		Cum	1050.50	522.67	549064.84
2	Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge.				
		PER 100 Bags	38011.00 380.11	3113.40 3113.40	1183282.45 1183608.75
3	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.				
		Cum	278.03	1751.13	486857.92
TOTAL AMOUNT =					2219531.50
ADD 12.00 %GST=					266343.78
ADD 1% L.CESS=					22195.31
SAY TOTAL AMOUNT =					2508070.59

2508071.00

10/10/20
JE

AE
10/10/20

EE

RWD SUB DIVISION-SRAIGARDH BHAPTIYAH

RWD SUB DIV.
SRAIGARDH
BHAPTIYAH

RWD WORKS DIV. VIRPUR

SE
MADHEPURA

Technically approved for Rs 25,08,071.00 (Rupees twenty five lac eight thousand seventy one only).

12/10/20

Superintending Engineer
Rural Works Department
Works Circle Madhepura

Detailed Estimate

Name of Road:

MMGSY JAGAT NARAYAN MEHATA GHAR VIA VAYSA HAT TO RAMLAKHAN MEHATA KE GHAR SE

Sl No.	Items of Works	Nos.	L (m)	B (m)	D (m) IN (Av.)	Quantity (m3)
1	Filling of local sand obtained from river bed, watering & ramming, all complete job as per specification & direction of Engineer-in-charge.					
	SIDE CUT 005-38	1	33	$(1.00+1.75)/2$	4.00	181.50
	MAIN CUTTING 38-70	1	22	$(9.00+11.00)/2$	$(3.50+4.00+3.00)/3$	770.00
	BOTH SIDE CUT 60-72	2	12	$(1.00+1.75)/2$	3.00	99.00
					TOTAL=	1050.50
					Total Qty =	1050.50
2	Supplying of EC bag, filling of local sand, stitching and placing in position as per the direction of Engineer-in-charge.					
	SIDE CUT 005-38	1	33	$(1.00+1.25)/2$	4.00	148.50
	MAIN CUTTING 38-70	1	22	$(10.00+12.00)/2$	$(3.50+4.00+3.00)/3$	847.00
	BOTH SIDE CUT 70-82	2	12	$(1.00+1.25)/2$	3.00	81.00
					TOTAL=	1076.50
	Total No. of EC Bags = (1076.50×35.31)					38016.60
					SAY NO OF BAGE=	380
3	Supply and Carriage of brick bats upto 8 km breach and placing in breaches and lying of bats, all complete job.					38011.00
	SIDE CUT 005-38	1	33	$(1.00+1.75)/2$	0.60	27.23
	BOTTAM MAIN CUTTING 38-70	1	22	$(10.00+8.00)/2$	0.90	178.20
	TOP MAIN CUTTING 38-70	1	32	5.50	0.30	52.80
	BOTH SIDE CUT 70-82	2	12	$(1.00+1.75)/2$	0.60	19.80
					Total Qty. =	278.03

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RWD SUB DIV- SRAIGARDH BHAPTIYAH

RWD SUB DIV. SRAIGARDH BHAPTIYAH

RWD WORKS DIV. VIRPUR

Analysis for Carriage by Road & Rail

Block :- SRAIGARDH BHAPTIYAHI

District:- SUPAUL

Sl No	Item with Source	Unit	Source Up to	Carriage Cost & Lead in Km			Loading & Unloadin	Carriage Cost by Rail Head	Total
				Pucka / Surface	Katcha				
7	Local Sand	Cum	Local	8.00 x 7.10 x 2.00 Km = Rs 22.77	8.00 x 17.82 x 1.00 Km = Rs 28.57	4.99	99.08		Rs. 150.42
8	Brick	000 N	Local	8.00 x 7.10 x 7.00 Km = Rs 198.80	8.00 x 17.17 x 1.00 Km = Rs 68.68	2.00	417.46		Rs. 684.94
13	Hume Pipe (1000 mm)	m	Karjain	8.00 x 7.10 x 70.00 Km = Rs 397.60	8.00 x 17.17 x 0.00 Km = Rs 0.00	10.00	73.32		Rs. 470.92

* 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	8.20	7.10
Unsurface Gravel Roa	9.90	8.54
Kachha Road	19.80	17.17

Summary of Carriage Cost

Sl. No.	Particulars	Unit	Amount
10	c) Local sand	Cum	150.42
11	d) Local Sand at Site	Cum	267.27
12	Boulder	Cum	2546.70
19	a)Hume Pipe NP 3 (1000MM I	m	470.92
20	b)Hume Pipe NP 3 (1000MM DIA) at site	m	3215.42
21	Steel	Ton	566.50
22	Brick	per 1000	684.94
23	Brick Bats/Jhama metal	Cum	342.47

 9/11

BASIC RATES AS PER LATEST SOR AS ON 11/05/2020
(A) Labour

Sl. No.	Description of Labour	Unit	Rate (Rs.)
L-01	Bhisti	day	287
L-02	Bitumen Sprayer(semi skilled)	day	302
L-03	Blacksmith,special	day	345
L-04	Blaster, 2nd class	day	477
L-05	Carpenter 1st Class	day	388
L-06	Chips spreader, semi-skilled	day	345
L-07	Chiseller	day	364
L-08	Dresser (Skilled)	day	364
L-09	Driller, 2nd class	day	345
L-10	Electrician,skilled	day	367
L-11	Fitter, skilled	day	395
L-12	Mason (1st class)	day	388
L-13	Mason (2nd Class)	day	345
L-14	Mate, Semi skilled	day	305
L-15	Mazdoor (Unskilled)	day	287
L-16	Mazdoor (Semi skilled)	day	299
L-17	Mazdoor (Skilled)	day	364
L-18	Painter (1st class)	day	367
L-19	Plumber, Special	day	367
L-20	Surveyor	day	349
L-21	White Washer	day	367
L-22	Carpenter Gr-II	day	345

Analysis of Rates for sand Filling

1 Sand Filling in Foundation Trenches as per Drawing & Technical Specification.

Unit= Cum

Taking Output= 1 Cum.

a) Labour

Mate

Mazdoor

b) Material

Sand (assuming 20 per cent voids)

c) Overhead charges @ 6% of (a+b)

d) Carriage Including Overhead Charges

Total = (a+b+c+d)=

Add:-Contractor Profit on (a+b+c+d)=

Total Cost Per Cum=

Unit

Qty.

Rate

Cost

day

0.010

305.00

3.05

day

0.300

287.00

86.10

Cum.

1.20

141.85

170.22

0.00

263.30

522.67

10%

0.00

522.67

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D.K.

Analysis of Rates for Brick Bats Filling

Sl No.	SOR No.	Description	Unit	Qty	Rate(Rs.)	Amount (Rs.)
1	6.6.1.	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 job as per approved design, specification and direction of E/I				
	WRD	Unit = Per Cum				
		Taking output= 2.832 Cum				
		a) Labour				
		Mazdoor (Unskilled)	Nos	3.00	287.00	861.00
		b) Overheads @ 0.0% on (a)				0.00
		Rate for 2.832 Cum				861.00
		Rate Per Cum				304.03

2		Supplying of Brick Bats (With OH)				
		a) Labour				
		Cost of Labour for Pitching and Light Ramming as per WRD SOR 6.6.1 (with OH)	day			304.03
		b) Materials				
		Bricks Bats -Basic Rate				
		Taken From RCD				
		S.O.R. Schedule- M:11-5(ii) dt.-26.02.2019	Cum	1	1063.00	1063.00
		c) Overheads @ 00% on (b)				0.00
		d) Carriage				
		Add:Carriage Charge for Brick bats Including Overhead Charges				384.10
		Total = (a+b+c+d)=				1,751.13
		Add:-Contractor Profit on (a+b+c+d)=	0%			-
		Total Cost Per Cum=				1,751.13

