

Inspection Report for Flood Damage Work

Date:

1. Name of PIUs -

EE RWD MAHAR

2. Name of Block/Road -

Restoration of road from subpart to

A. For Road

Laxmanpur Hat

1. Damage Location/Chainage

: 3.70km to 3.805 km

2. Damage Length

: 105.00m

3. Nature of Damage

: Farm Flood.

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 :

B. For Bridge

1. Damage Location/Chainage :

2. Damage Length :

3. Nature of Damage :

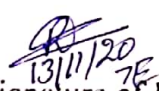
4. Details of Restoration Works :

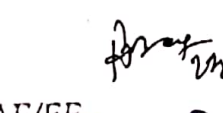
i. Material being used in Restoration works :

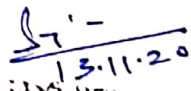
ii. Equipments/Tools being used in Restoration works:

iii. Procedure taken up in Restoration works :

iv. Restored Length :


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(Name of Inspector)

EE
RWD Mahar



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

GOVERNMENT OF BIHAR

F.D.R Detailed Project Report

Year 2020-21

बिहार ग्रामीण एवं विकास एजेंसी



BIHAR RURAL ROADS DEVELOPMENT AGENCY
(GOVT. OF BIHAR)

BRRDA

DISTRICT :	Vaishali	BLOCK :	Jandaha	
NAME OF ROAD :	Restoration of Road from Sahpur To Laxmanpur Haat			
DIVISION:	R.W.D. Works Division, Mahanar			
TOTAL CONSTRUCTION LENGTH	:	0.105	KMS	COST PER KM
COST OF PAVEMENT (RS.)	:	4.67	LACS	44.48
TOTAL COST OF ROAD INCLUDING G.S.T + LABOUR CESS (RS.)	:	5.30	LACS	50.480

Submitted By:

EXECUTIVE ENGINEER
R.W.D. Works Division, Mahanar

प्रतिवेदन

पथ का नाम	:-	शाहपुर से लक्ष्मणपुर हाट
पथ की लम्बाई	:-	5.13 कि० मी०
क्षतिग्रस्त भाग की लम्बाई	:-	105 मीटर
प्राक्कलित राशि	:-	5.30 लाख

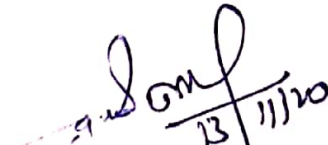
पथ कन्ना नक्षत्र की जोरदार वारिस से बाया नदी का बांध टुटने से Flank तथा Subbase बुरी तरह से क्षतिग्रस्त हो गया है।

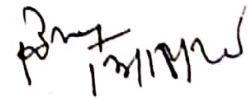
क्षतिग्रस्त भाग की मरम्मत के लिए प्राक्कलन में Bamboo Pilling, Bamboo Runners, Woven Chachari/ Drum sheet के बीच Filled E.C bags With Local Sand का प्रावधान किया गया है, Subbase की मरम्मत के लिए Bricks bats तथा GSB का प्रावधान किया गया है, Subbase क्षतिग्रस्त होने के कारण आवगमन बाधित हुआ है।

जनहित में प्राक्कलन की तकनीकी अनुमोदन एवं प्रशासनिक स्वीकृति अपेक्षित है। प्राक्कलन में लिया गया दर संवेदक लाभांश छोड़कर है।

स्वीकृति की प्रत्यक्षा में कार्य प्रारम्भ कर दिया गया है, तथा आवागमन चालु कर दिया गया है।

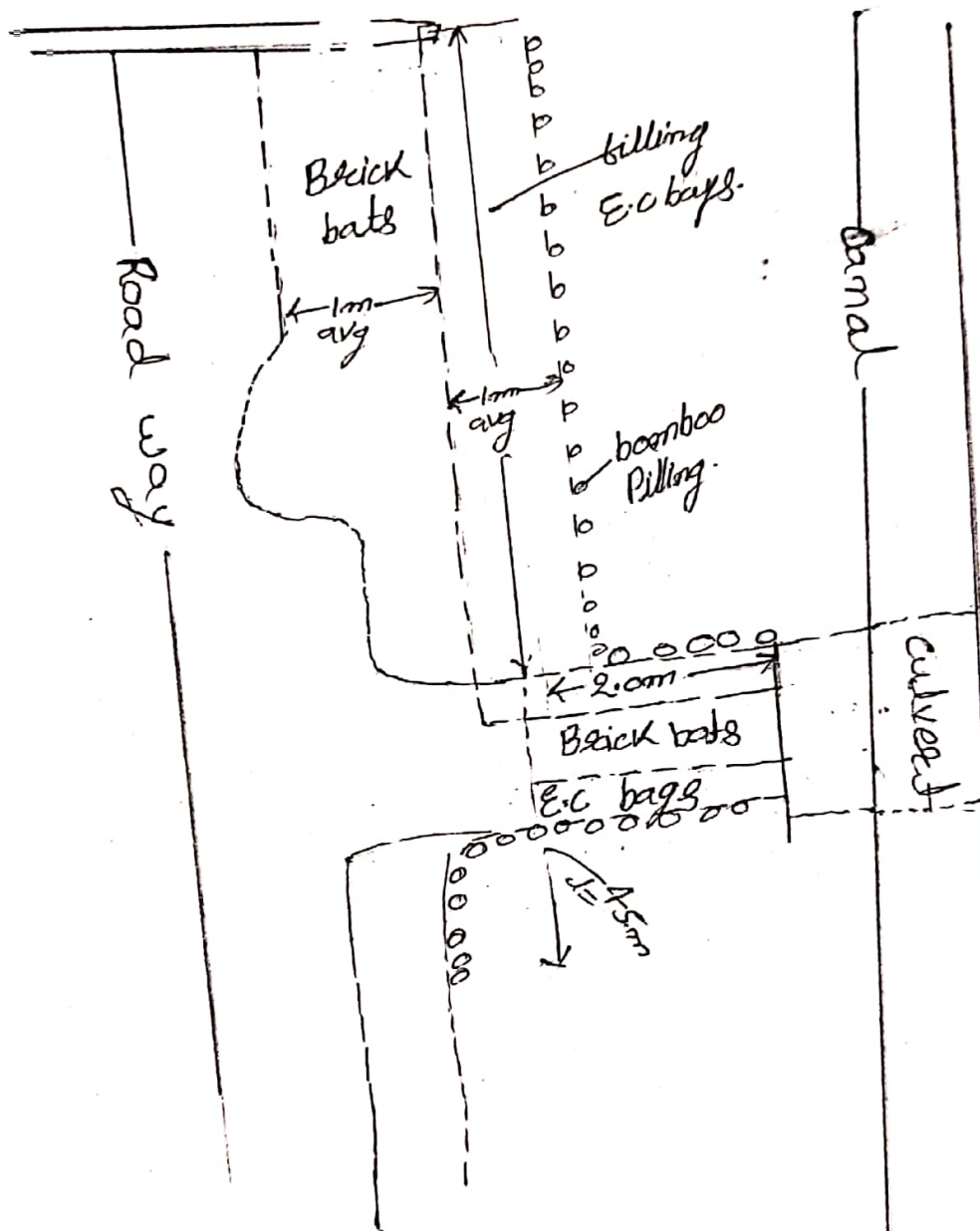

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Section of flood damage social

DES



not to scale

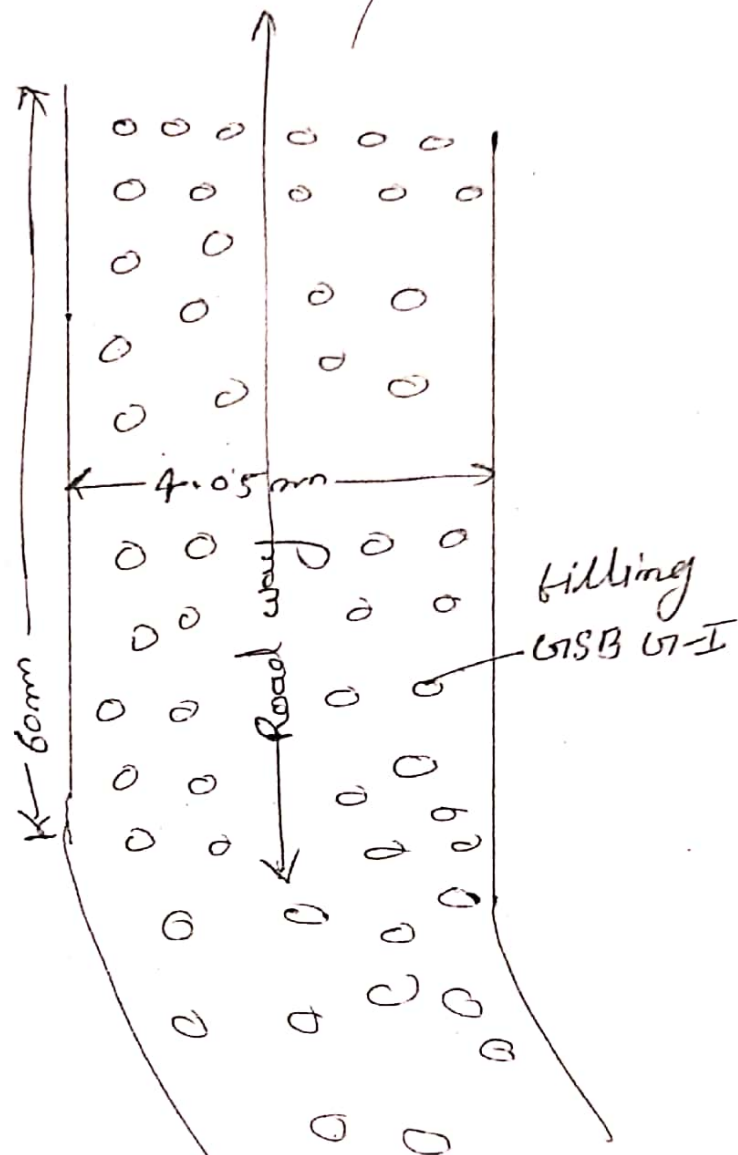
section for 45m damage along & subbase

stud. on 13/11/20

for 17/11/20

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Section for flood damage road



damage 60.0 mm plank and subgrade

2nd. imp
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for 13/11/20

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GENERAL ABSTRACT OF COST

NAME OF ROAD : Restoration of Road from Sahpur To Laxmanpur Haat

DISTRICT Vaishali

BLOCK Jandaha

0.105

LENGTH OF ROAD (in Km)

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	SUPPLYING FILLING BRICK BAT COMPACTED MANUALLY	1.720
2	BAMBOO PILING	0.143
3	BAMBOO RUNNER	0.014
4	BAMBOO CHACHARI / BITUMEN EMPTY DRUM SHEET	0.383
5	PROVIDING CEMENT BAG WITH SAND	0.671
6	EARTH WORK	0.528
7	GRANULAR SUB-BASE WITH WELL GRADED I MATERIAL (TABLE 400.1)	1.152
	SUB TOTAL OF PAVEMENT COST IN LACS =	4.670
	TOTAL COST OF CONSTRUCTION IN LACS =	4.670
(A)	Total Cost of Road Project	4.670
	Add Seigniorage Fee	0.000
	Add GST @ 12% on (A)	0.584
	Add Cess @ 1% on (A)	0.047
	Grand Total	5.300

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Technically approved for Rs. 530000=00 (Rs. five lacs thirty thousand only).

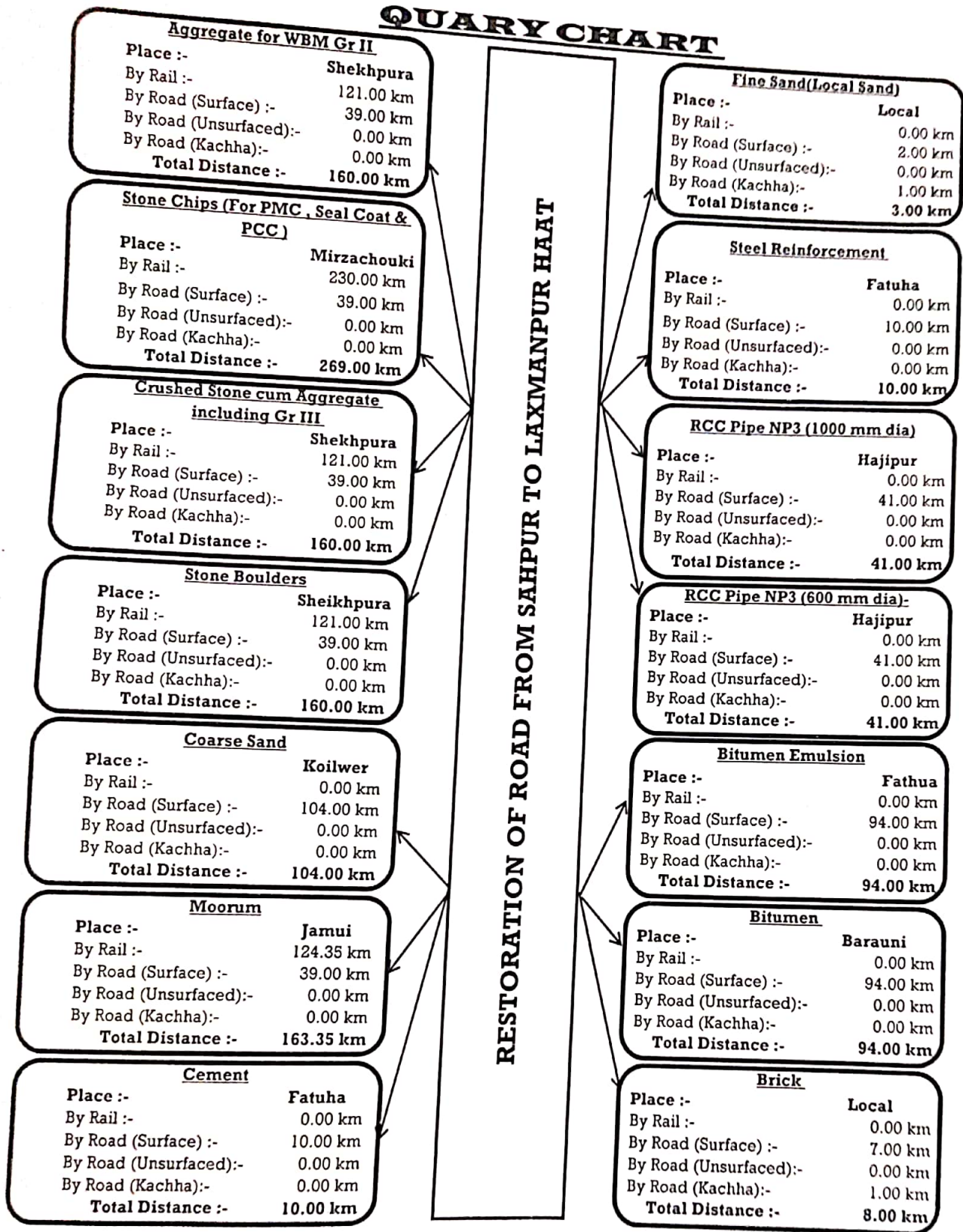
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SE, RWD
Ward Circle Muzaffarpur

Flood Damage Repair
COST ESTIMATE FOR CUT CLOSER

NAME Restoration of Road from Sahpur To Laxmanpur Haat
District Vaishali
Block Jandaha

SI No.	Referen ce to MORD	Brief Description of Item	No.	Measurements			Unit	Quantity	Rate (Rs)	Amount (Rs)
				L (m)	B (m)	D (m)				
1		Supplying Filling Brick Bat Compacted Manually								
		Supplying Filling Brick Bat Compacted Manually by CI Hammer including all complete job.								
		Left Side - 45.0 M	1	45.0	1.0 Avg	2.5	cum	112.50		
2	5.7.7 WRD	Bamboo Piling								
		Supplying and fixing cutting 62mm to 75mm dia Bamboo piles to size and making shoes and driving etc. complete job and as per direction of E/I								
		45.0 M Length & 0.50 m C/C = (Left Side)					cum	112.50	1528 75	171,984 60
3	5.7.9 WRD	Bamboo Runner								
		Supplying fitting and fixing 62mm to 75mm dia Bamboo Runner in position at every verticle pile with 150 mm long nails or 20 SWG GI wire or 38 SWG GI wire including cost of GI wire or nail complete job and as per direction of E/I								
		45.0 M Length x 2.0 No. =	90	3.5	0.0	0.0	RM	315.00	45 55	14,348 25
4	5.7.8 WRD	Bamboo Chachari / Bitumen empty drum sheet								
		Supplying fitting and fixing split Bamboo woven Chachari in position with 20 SWG GI wire or 75 mm to 100 mm long nails alternatively including cost of GI wire or nail complete job and as per direction of E/I								
		Left Side	1	90.0	0.0	0.0	RM	90.00	15 86	1,409 40
5	5.7.40 WRD	Providing Cement Bag with Sand								
		Providing Cement Bag with Sand and labour including carriage laying fitting all complete job								
		Left Side	1	45.0	2.50 (av)		Sqm	112 500	340 19	38,271 38
		Total @			35 bag	per cum	No	3937.50	17 03	67,074 64

QUARY CHART



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RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL (MINIMUM CARRIAGE)

NAME OF ROAD:- Restoration of Road from Sahpur To Laxmanpur Haat

DISTRICT:- Vaishali

BLOCK:- Jandaha

S.NO.	Material	Remarks	BY RAILWAY			BY ROAD		CARRIAGE COST BY RAILWAY	CARRIAGE COST BY ROAD	CARRIAGE BY	MINIMUM CARRIAGE	Haulage Charge by Tipper / Truck
			Lead (Km) Rail	Lead (Km) Road	Surface Road	Kaccha Road						
1	Aggregate for WBM Gr II	Shekhpura	121.00	39.00	121.00	-	1,683.31	1,848.50	RAILWAY	1683.31	Tipper	
2	Stone Chips (For PMC , Seal Coat & PCC)	Mirzachouki	230.00	39.00	272.00	-	1,938.99	3,604.89	RAILWAY	1938.99	Tipper	
3	Crushed Stone cum Aggregate including Gr III	Shekhpura	121.00	39.00	121.00	-	1,537.55	1,716.64	RAILWAY	1537.55	Tipper	
4	GSB Material	Sheikhpura	121.00	39.00	121.00	-	1,537.55	1,785.13	RAILWAY	1537.55	Tipper	
9	Fine Sand(Local Sand)	Local	-	3.00	2.00	1.00	121.16	121.16	ROAD	121.16	Tipper	
15	Brick	Local	-	8.00	7.00	1.00	757.50	757.50	ROAD	757.50	Truck	
			BY RAILWAY			BY ROAD		CARRIAGE COST BY RAILWAY	CARRIAGE COST BY ROAD	CARRIAGE BY	MINIMUM CARRIAGE	Haulage Charge by Tipper / Truck
			Lead (Km) Rail	Lead (Km) Road	Surface Road	Kaccha Road						
Carriage Cost (Surfaced Road):			Rs 8.71 Per Tonne Per Km			Rs 7.8 Per Tonne Per Km						
Carriage Cost (Un Surfaced Road):			Rs 10.47 Per Tonne Per Km			Rs 9.38 Per Tonne Per Km						
Carriage Cost (Kacha Road):			Rs 21.08 Per Tonne Per Km			Rs 18.88 Per Tonne Per Km						

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RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL

Carriage Cost (Surfaced Road):	By Truck	Rs 6.79 Per Tonne Per Km	7.40	By Tipper	Rs 7.4 Per Tonne Per Km
Carriage Cost (Un Surfaced Road):		Rs 8.17 Per Tonne Per Km	9.00		Rs 9 Per Tonne Per Km
Carriage Cost (Kacha Road):		Rs 16.45 Per Tonne Per Km	18.00		Rs 18 Per Tonne Per Km
NAME OF ROAD		Restoration work of diversion over Baya River at Basudeopur village			
BLOCK		Mahnar			

S.NO.	Material	Railway Freight (Rs)	Lead Distance(Km)			Loading/ Unloading	Unit	M.F.	Carriage Cost Per Km			Total Carriage Cost
			Surface Road	Unsurfaced Road	Kaccha Road				Surface Road	Unsurfaced Road	Kaccha Road	
3	Brick Bats		7	0	1	399.00	Cum	8/4.59	82.84	0.00	28.67	510.51

DISTRICT:- Vaishali

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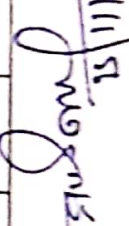
RATE ANALYSIS FOR CARRIAGE OF BASE MATERIAL (BY RAIL)

NAME OF ROAD:- Restoration of Road from Sahpur To Laxmanpur Haat
DISTRICT:- Vaishali

BLOCK:- Jandaha

BLOCK:- Jandaha

S.NO.	Material	Remarks	Lead Distance (Km) Rail	Haulage Charge by Tipper		Loading	Unloading	Unit	Carriage Cost Per Km		Railway Freight (Rs)	Total Carriage Cost	Haulage Charge by Tipper / Truck
				Lead Distance (Km)					Surface Road	Kaccha Road			
				Surface Road	Kaccha Road								
				Carriage Cost (Surfaced Road): Rs 8.71 Per Tonne Per Km					Carriage Cost (Surfaced Road): Rs 7.8 Per Tonne Per Km				
				Carriage Cost (Un Surfaced Road): Rs 10.47 Per Tonne Per Km					Carriage Cost (Un Surfaced Road): Rs 9.38 Per Tonne Per Km				
				Carriage Cost (Kacha Road): Rs 21.08 Per Tonne Per Km					Carriage Cost (Kacha Road): Rs 18.88 Per Tonne Per Km				
1	Aggregate for WBM Gr II	Shekhpura	121	39	0	77.13	18.36	Cum	592.05	0.00	995.77	1683.31	Tipper
2	Stone Chups (For PMC , Seal Coat & PCC)	Mirzachouki	230	39	0	77.13	18.36	Cum	544.59	0.00	1,298.91	1938.99	Tipper
3	Crushed Stone cum Aggregate including Gr III	Shekhpura	121	39	0	77.13	18.36	Cum	544.59	0.00	897.47	1537.55	Tipper
4	GSB Material	Sheikhpura	121	39	0	77.13	18.36	Cum	544.59	0.00	897.47	1537.55	Tipper
5	Stone Boulders	Sheikhpura	121	39	0	77.13	18.36	Cum	544.59	0.00	897.47	1537.55	Tipper
6	Coarse Sand	Koilwer	0	104	0	41.07	18.36	Cum	679.38	0.00	1,072.31	1847.18	Tipper
7	Moorum	Jamui	124.35	117	0	41.07	18.36	Cum	1452.25	0.00	-	1511.68	Tipper
8	Cement	Fatuha		10	0	167.36	167.36	MT	1358.76	0.00	706.42	2124.61	Tipper
9	Fine Sand(Local Sand)	Local		2	1	41.07	18.36	Cum	78.00	0.00		412.72	Truck
10	Steel Reinforcement	Fatuha		10	0	178.14	178.14	Tonne	27.93	33.80		121.16	Tipper
11	RCC Pipe NP3 (1000 mm dia)	Hajipur		41	0	47.51	31.96	RM	78.00	0.00		434.28	Truck
12	RCC Pipe NP3 (600 mm dia)-	Hajipur		41	0	20.36	13.70	RM	255.84	0.00		335.31	Truck
13	Bitumen Emulsion	Fathua	57	39	0	199.09	184.83	MT	102.34	0.00		136.40	Truck
14	Bitumen	Barauni	57	39	0	199.09	184.83	MT	304.20	0.00	914.99	1603.11	Truck
15	Brick	Local		7	1	231.79	231.79	1000 No.	304.20	0.00	817.43	1505.55	Truck
									218.40	75.52		757.50	Truck


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