

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

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Mobile No-8986915214

पत्रांक...10.28.24/भागलपुर

दिनांक-...15.11.24

प्रेषक,

ई0 चन्द्रहास कुमार
अधीक्षण अभियंता

सेवा में,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, बाँका-2

विषय :- FDR 2024-25 के अधीन क्षतिग्रस्त पथ में कराये गये Motorable कार्य के प्राक्कलन के तकनीकी स्वीकृति के संबंध में।

प्रसंग :- आपका पत्रांक-3186 अनु0, दिनांक-15.11.2024।

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र से संबंधित वर्ष 2024 में वर्षा/क्षतिग्रस्त कुल 01 पथ में अस्थायी पुर्नस्थापन के तहत कराये गये Motorable कार्य का प्राक्कलन प्रासंगिक पत्र के माध्यम से प्राप्त हुआ है जिसे तकनीकी स्वीकृत्योपरांत अग्रेतर कार्रवाई हेतु प्रेषित की जाती है, जो निम्न है :-

S.N.	Block	Name Of The Work	Estimated Cost (Lakh)	Remarks
1.	Chandan	Repair Flood Dimage Diversion in Jamuni Jore	0.084 12.322	

अनु0 - यथोक्त।

विश्वासभाजन

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, भागलपुर।

Govt. of Bihar



**DETAILED ESTIMATE FOR REPAIR OF FLOOD
FDR-(2024-2025)**

**NAME OF WORK:- REPAIR FLOOD DAMAGE
DIVERSION IN JAMUNI JORE**

RURAL WORKS DEPARTMENT GOVT. OF BIHAR



**NAME OF WORK :-DETAILED ESTIMATE FOR REPAIR OF FLOOD
DIMAGE DIVERSION IN JAMUNI JORE**

STATE :-	BIHAR	DISTRICT :-	BANKA	
BLOCK :-	CHANDAN			
Total Construction cost (including GST and Labour Cess & S.F.) (Excluded CP & Overhead charge) :-			12.322	Lakh
Drone Photography @ Rs.-5000/ per stage + still Photography of damage and Restoration work Rs.-5500/ = 15000+5500=20500/-			0.205	Lakh
Total Construction cost:-			125.271	Lakh

Submitted By:- Executive Engineer
RWD (w) Division, Banka-2

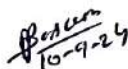
प्रतिवेदन
FDR- 2024-25

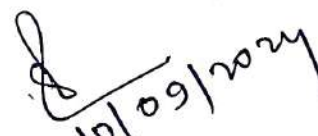
पथ का नाम	:-	L057-L056 To Parihar (VR57)
प्राक्कलित राशि	:-	12.527 लाख
पथ की लम्बाई	:-	2.122 km
प्रखण्ड का नाम	:-	चान्दन

वर्ष 2024 में जमुनी नदी में अतिवृष्टि से ग्रामीण कार्य विभाग, कार्य प्रमंडल, बाँका-2 अन्तर्गत चान्दन प्रखण्ड में L057-L056 परिहार पथ के चैनेज-1720 मीटर पर पूर्व से जमुनी नदी पर बना **Diversion** पुरी तहत से क्षतिग्रस्त हो जाने के कारण यातायात पूर्णरूप से बाधित हो गया था। तत्काल पथ में यातायात पुनर्बहाल कराने हेतु क्षतिग्रस्त **Diversion** को तत्काल **Sand bags** से भरते हुये मोटरेबुल किया गया है। तथा सुगम यातायात हेतु **Sand bags** के ऊपर 1000mm Diameter का **Hume pipe** डाला गया तथा **Hume pipe** के ऊपर **GSB Gr.-II** की 200mm की परत बिछायी गयी है। मोटरेबुल कार्य अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल भागलपुर के आदेश 42-सह-पठित ज्ञापांक-885/भागलपुर दिनांक 29.07.2024 के द्वारा कार्य प्रमंडल बाँका-2 के लिए चयनित एजेन्सी द्वारा कराया गया है।

कराये गये कार्य का प्राक्कलन स्वीकृत अनुसूचित दर पर तैयार किया गया है तथा कार्य का विवरण **MIS** के **FDR Module** में प्रविष्ट किया गया है।

कार्य पूर्ण कराये जाने के उपरान्त प्राक्कलन की तकनीकी अनुमोदन सह तकनीकी स्वीकृति अपेक्षित है।


कनीय अभियंता
ग्रामीण कार्य विभाग
कार्य प्रशाखा चान्दन


10/09/2024
सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमण्डल, चान्दन


10/09/24
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, बाँका-2

GENERAL ABSTRACT OF COST		
NAME OF WORK :-DETAILED ESTIMATE FOR REPAIR OF FLOOD DAMAGE		
DIVERSION IN JAMUNI JORE		
DISTRICT	Banka	
BLOCK	Chandan	
Sl. No.	DESCRIPTION	AMOUNT (IN RS.)
A	Total Construction cost (including GST and Labour Cess & S.F.) (Excluded CP & Overhead charge) :-	1232212.00
B	Drone Photography @ Rs.-5000/ per stage + still Photography of damage and Restoration work Rs.-5500/ = 15000+5500=20500/-	20500.00
		1232212.00
	Total Construction cost:-	1252712.000
	SAY Rs. In Lakh-	12.527
		12.322

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10/9/24
Executive Engineer
RWD (w) Division,
Banka-2

Post facto technically sanctioned for Rs.12.322 lacs (Rupees twelve lak thirty two thousand two hundred) only.

Ambar
15/11/24
Superintending Engineer
Rural Works Department
Works Circle, Bhagalpur

h
15/11/24

SUMMARY OF COST ESTIMATE FOR THE PROJECT		
NAME OF WORK :-DETAILED ESTIMATE FOR REPAIR OF FLOOD DAMAGE		
DIVERSION IN JAMUNI JORE		
DISTRICT	Banka	
BLOCK	Chandan	
Sl. No.	DESCRIPTION	AMOUNT
1	SAND BAG PITCHING	586581.09
2	RCC NP3 PIPE	272580.00
3	PLACING OLD HP	4879.00
4	E/W EMBANKMENT	198247.48
5	GSB GRADING- II	169923.96
	SUB TOTAL OF PAVEMENT COST =	1232211.53
Total Construction cost (including GST and Labour Cess & S.F.) (EXCLUDED CP & OVERHEAD) :--		1232211.53
	SAY Rs.-	1232212.000

Banka
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AE

Banka
10/9/24
Executive Engineer
RWD (w) Division,
Banka-2

DETAIL STIMATE

Sl. No.	SDB SL. NO.	MORD Ref. No.	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
1			PROVIDING SAND BAG WITH LOCAL SAND								
			Providing sand bag with local sand, stitching with sutli & placing stacking in position								
			BELOW HP	Cum	1	30.00	8.00	0.90	216.000		
							(2.00+1.00)/2				
			SIDE HP	Cum	2	30.00	1.50	2.00	180.000		
				Cum				(2.00+1.00)/2			
			LESS PIPE	Cum	15x2	0.7857	1.23X1.23	1.50	-53.490		
			IN SLOPE	Cum	2	14.00	3.00	0.60	50.400		
			IN SLOPE	Cum	2	18.00	3.00	0.60	64.800		
								TOTAL-	457.710	M3	
			457.71 M3 / 0.0347	Bag					13190	Bag	
				Each		QTY. SAND BAG			13190	44.47	586581.09
2	9.3 (II)	1100	Providing and laying reinforced cement concrete pipe NP3 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106.								
3			NEW	RM	7X2	2.50			35.00	7,788.00	272580.00
			REUSE OLD HP	RM	8X2	2.50			40.00		
			PLACING BY UNSKILLED LABOUR	NO.	10 No.				10.00	487.90	4879.00
4		301.5	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 as per Technical Specification Clause 301.5.								

[Signature]

Sl. No.	SDB SL_NO	MORD Ref.No	Description	Unit	NOS	LENGTH	WIDTH	HEIGHT	QUANTITY	RATE	AMOUNT (in Rs.)
			AS PER E/W CALCULATION CHART								
			Net E/W Qty								
									913.12	217.11	198247.48
5			Granular Sub-base with Grading-II Material								
	4.1	401	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.								
							(5.5+4.05)/2				
					1	27.00	4.775	0.20	25.79		
					1	30.00	4.05	0.20	24.30		
							(4.5+4.05)/2				
					1	27.00	4.275	0.20	23.09		
									73.18	2,322.00	169923.96
			Total Constriction Cost (including GST, Labour Cess and S.F.) (A) :-								
			SAY RS.-								

EOI-CUM-Request for Empanelment of supply Agencies RATE FOR MATERIAL, LABOUR & MACHINERIES SUPPLY, 2024

Division - Dargah-2

1. MATERIALS

Sr.No.	Material	unit	Rate (Rs.) (including 18 % GST, 1 % L.C, 10% S.F)
1	2	3	4
1	Empty Cement Bags	Each	728
2	Ramboos		
	(i) 75 MM Dia to 6M-11M Long	NO.	288.23
	(ii) 100 MM Dia to 6M-11M Long	NO.	290.00
3	Brickbats	Cum	1792.00
4	Local Sand	Cum	
5	Kila Rubbish	Cum	1449.35
6	Hume Pipe (NP3) 600 mm Dia	M	2832.00
7	Hume Pipe (NP3) 1000 mm Dia	M	7788.00
8	Boulder Size 150 mm and Below	Cum	3017.79
8	Boulder with Minimum Size 300 mm and Below	Cum	3017.79
9	Granular Sub base Material Grading -II		
	(i) 26 50 MM to 9.50 MM	Cum	2322.00
	(ii) 9 50 MM to 2.36 MM	Cum	2612.04
	(iii) 2.36 MM Below	Cum	2239.77
	Granular Sub base Material Grading -II :-		
		Cum	3474.30
10	Stone Metal Aggregates Gr-II	Cum	3615.47
11	Stone Metal Aggregates Gr-III	Cum	1180.00
12	Screening Material Type-B	Cum	

2. LABOUR RATE

Sr.No.	Labour	unit	Rate (Rs.)
1	2	3	4
1	Unskilled Labour	per day	487.90
2	Semi Skilled Labour	per day	506.94
3	Skilled Labour	per day	617.61
4	Mason	per day	584.29
5	Head Mason	per day	654.50
6	Bhisti	per day	487.90
7	Carpenter	per day	584.29
8	Head Carpenter	per day	654.50
9	Night Guard	per day	300.00
10	Electrician	per day	400.00

3. TOOLS , PLANT & MACHINERIES WITH DRIVER &

Sr.No.	Description of machine	unit	output of machine	Rate (Rs.)
1	2	3	4	5
1	Front End Loader 1.0 cum bucket capacity (JCB)	per hour	cum/hour	1704.08
2	8- 10 Ton Smooth wheeled roller	per hour	cum/hour	1500.00
3	Tractor with Trolley	Ton/Trip	cum/hour	816.72
4	Tipper	Ton/Trip	cum/hour	1714.79
5	Tractor with Ripper	Ton/Trip	cum/hour	843.71
6	Generator Set	per hour	KVA	1770.00


 राजन अमियन्ता
 ग्रामीण कार्य विभाग
 कार्य अंचल, भागलपुर
 25/7/24

Rate Analysis of Sand Bag with Local Sand

I	PROVIDING SAND BAG WITH LOCAL SAND				
	Providing sand bag with local sand, stiching with sutli & placing stacking in position				
	Taking output 100 no of bags				
A	Materials	UNIT	QTY.	RATE	AMOUNT
	RATE OF LOCAL SAND	CUM	3.47	360.00	1249.20
	RATE OF EC BAG	NO.	100	7.28	728.00
	STICHING ROLL (NYLON)	NO.	1	30.00	30.00
B	Labour				
	U/S LABOUR FOR FILLING & STICHING	NO.	2	487.90	975.80
	U/S LABOUR FOR CARRYING & PLACING	NO.	3	487.90	1463.70
	TOTAL-				4446.70
C	CARRIAGE OF LOCAL SAND	CUM	3.470	0.00	0.00
	TOTAL-				4446.70
	ADD OHC+CP 22% OHC				0.00
					4446.70
	RATE FOR PER BAG				44.47
	RATE PER BAG INCLUDING GST + L.CESS+S.F.				44.47
	Density of cement		1440Kg/m3		
	1 Bag cement weight		50Kg		
	Nos of bags required in 1 m3 (1440/50)		28.80		
	Volume of 1 bag (1/28.80)		0.0347 m3		

Rate Analysis of E/W EMBANKMENT						
3.4	302	Construction of Embankment with Material Obtained from Borrow Pits				
	(A)	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a <u>lead upto 1000 m</u> as per Technical Specification Clause 301.5				
SDB Sl. No.	MORD Ref No.	DESCRIPTION	Unit	Quantity	Rate	Amount in Rs
		Unit = cum Taking output = 100 cum				
	a)	Labour				
		Mate	day	0.04	506.94	20.28
		Mazdoor (Unskilled)	day	1.00	487.90	487.90
	b)	Machinery				
		Hydraulic Excavator 0.9 cum bucket capacity @ 60 cum per hour	hour	1.67	1704.08	2,845.81
		Tipper 5.5 cum with 10 t capacity	hour	4.50	1,714.79	7,716.56
		Add 10 % of the cost of carriage by tipper				771.66
		Dozer D-50 for spreading @ 100 cum per hour	hour	0.50	2,997.00	1,498.50
		Tractor monted grader for grading @ 100 cum per hour	hour	1.00	705.00	705.00
		Water tanker 6 kl capacity	hour	2.00	764.00	1,528.00
		Three wheel 80-100 kN Static Roller @ 80 cum per hour	hour	1.25	1,500.00	1,875.00
	c)	Material				
		Water	kl	12.00	61.40	736.80
		Compensation for earth taken from private land	cum	100.00	35.25	3,525.00
	d)	Overheads & Contractor's profit @ 22.00 % on (a+b+c)				0.00
		Cost for 100 cum = a+b+c+d				21,710.50
		Rate per cum = (a+b+c+d)/100=				217.11
		0	CUM			217.11

EARTH WORK CALCULATION

NAME OF WORK :- REPAIR OF FLOOD DAMAGE DIVERSION IN JAMUNI JORE

CH.	DISTANCE.	FILL. AREA	MEAN AREA	QUANTITY IN M3	REMARK
0	0	5.56	0	0	
10	10	16.54	11.05	110.5	
15	5	26.98	21.760	108.800	
20	5	28.85	27.915	139.580	
25	5	26.78	27.815	139.080	
30	5	21.41	24.095	120.480	
35	5	21.81	21.610	108.050	
40	5	21.24	21.525	107.630	
45	5	21.57	21.405	107.030	
50	5	22.12	21.845	109.230	
55	5	25.73	23.925	119.630	
60	5	22.44	24.085	120.430	
65	5	18.57	20.505	102.530	
71	6	7.59	13.080	78.480	
TOTAL QTY. ;				1471.45	M3
LESS GSB				73.18	M3
LESS SAND BAG BELOW HP 1X30MX8.00X0.90				216.00	M3
LESS SAND BAG 2X30MX(2.0+1.0)/2X2.00				180.00	M3
LESS 1000MM DIA NP3 RCC PIPE VOLUME (15ROW X 5.00Mx0.7857x1.23x1.23)				89.15	M3

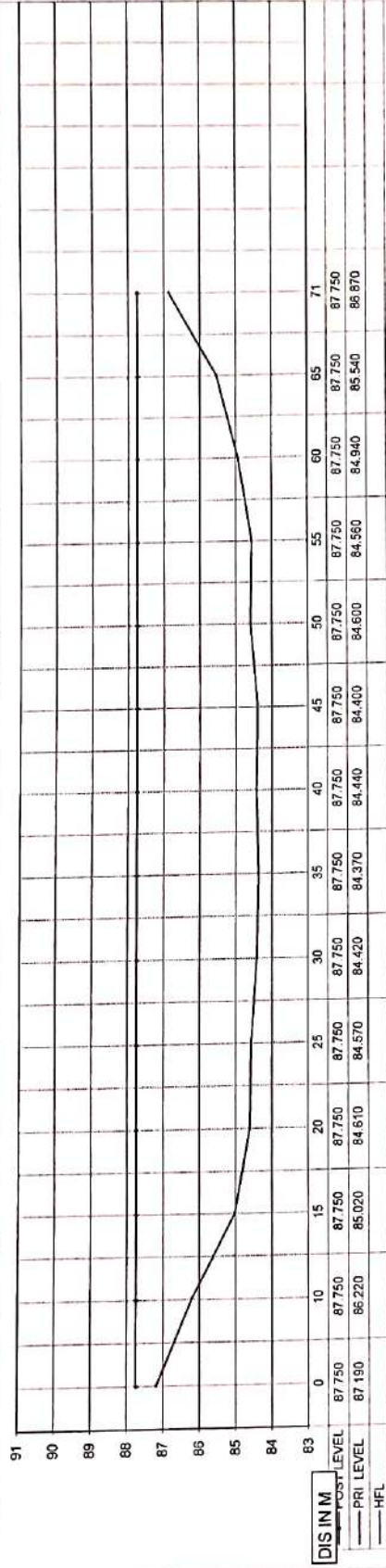
TOTAL QTY.- 913.120 M3

Passes
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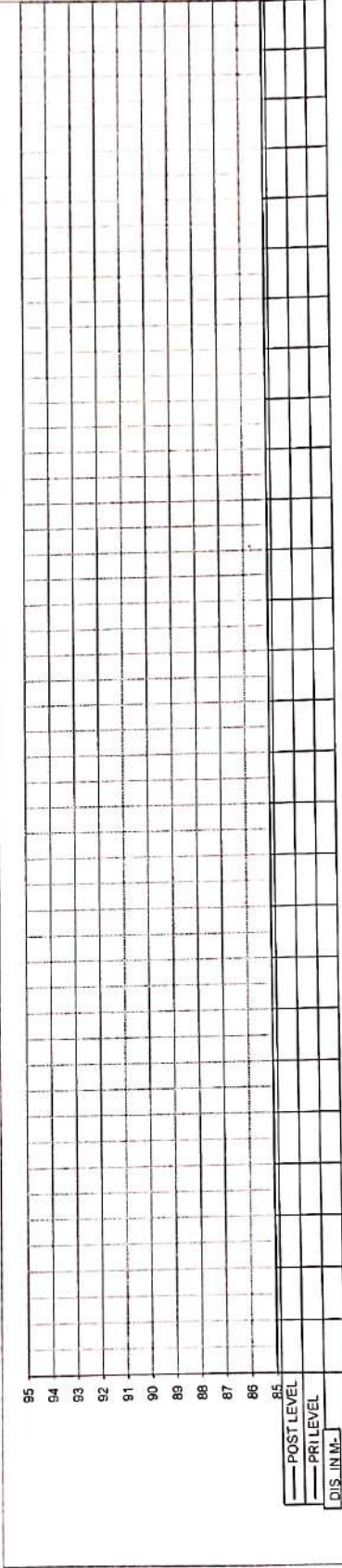
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L/S FROM 0 M TO 71 M



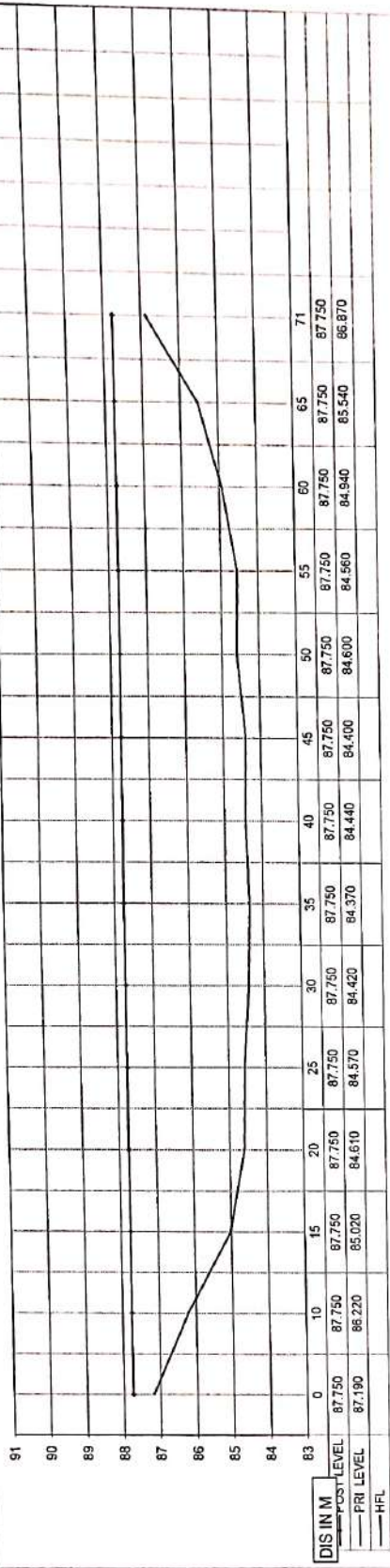
L/S FROM 0 M TO 0 M



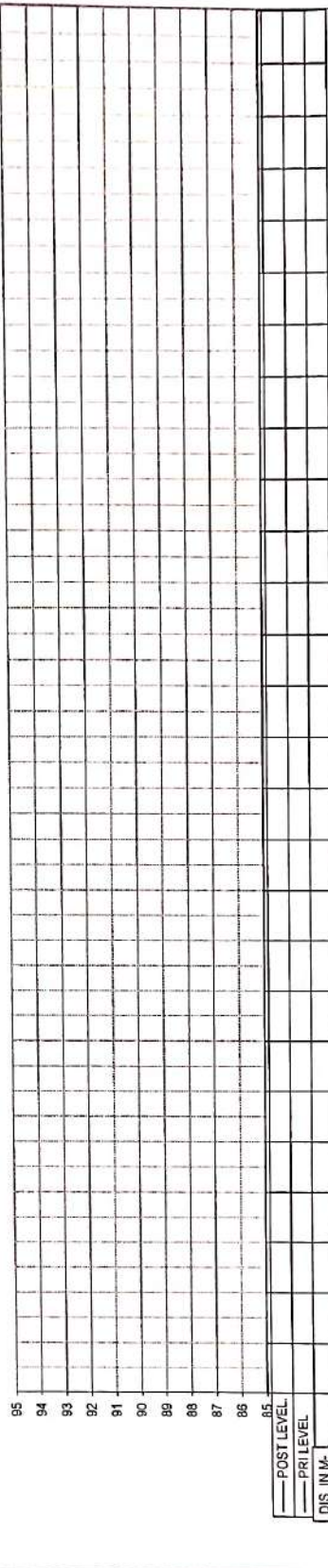
SCALE :-

V = 1 DIV = 1 M, NAME OF WORK :- REPAIR OF FLOOD DAMAGE DIVERSION IN JAMUNI JORE GOVT. OF BIHAR
H - 1 DIV. = M. R.W.D. WORK DIVISION BANKA-2 J. E. A. E. E. E.

L/S FROM 0 M TO 71 M



L/S FROM 0 M TO 0 M



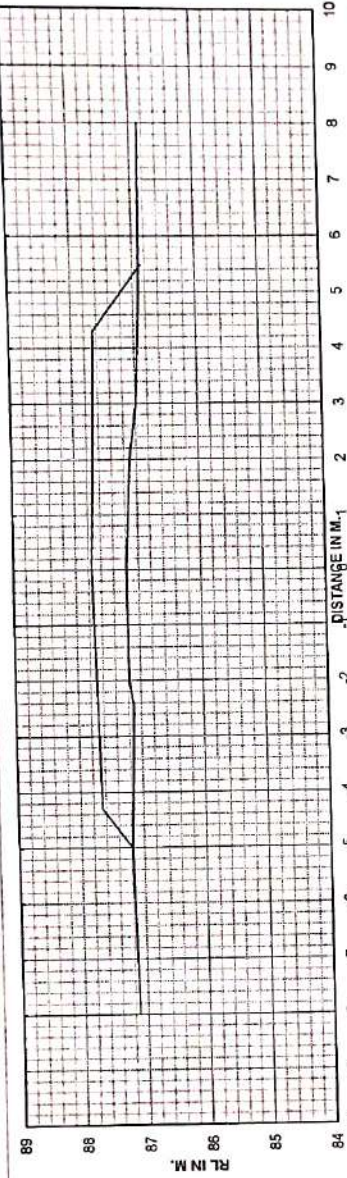
SCALE :-

V = 1 DIV. = 1 M, NAME OF WORK :- REPAIR OF FLOOD DAMAGE DIVERSION IN JAMUNI JORE GOVT. OF BIHAR
H = 1 DIV. = M, R. W. D. WORK DIVISION BANKA-2

J. E. A. E. E. E.

C/S AT - 0 M

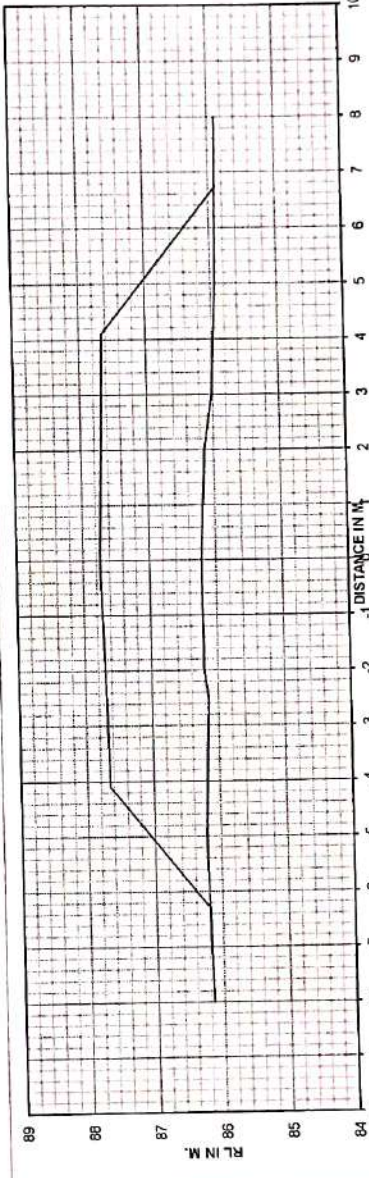
EXT. ROAD LEV.	DIS IN M	R.L.
-8.000	87.130	
-5.000	87.190	
-2.500	87.120	
-2.000	87.180	
0.000	87.190	
2.000	87.110	
3.000	86.990	
5.000	86.910	
8.000	86.870	



NET FILLING AREA 5.56 m²

C/S AT - 10 M

EXT. ROAD LEV.	DIS IN M	R.L.
-8.000	86.160	
-5.000	86.220	
-2.500	86.150	
-2.000	86.210	
0.000	86.220	
2.000	86.140	
3.000	86.020	
5.000	85.940	
8.000	85.900	



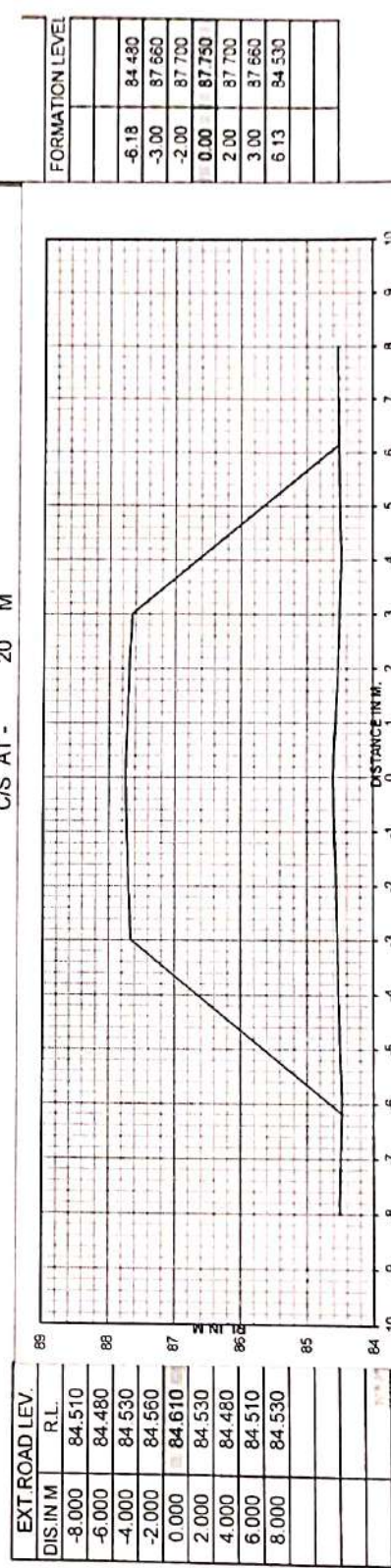
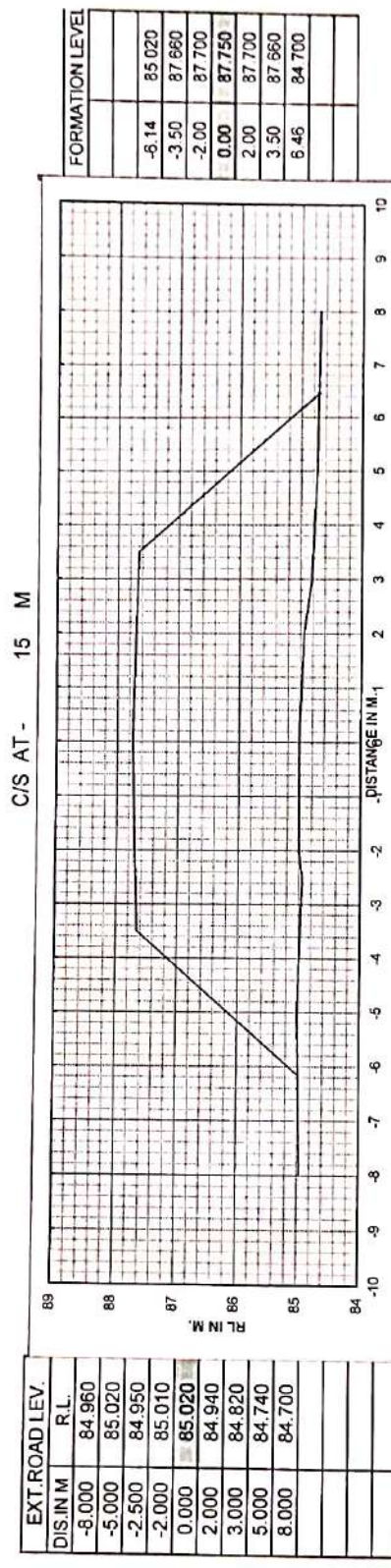
NET FILLING AREA 16.54 m²

GOVT. OF BIHAR
R. W. D. WORK DIVISION BANKA-2

NAME OF WORK :- CONSTRUCTION OF DIVERSION IN JAMUNI JORE

1 Small Div. = 0.2m V/H
1 Small Div. = 0.04 Sqm.

J.E. A.E. E.E.



GOVT. OF BIHAR

R. W. D. WORK DIVISION BANKA-2

NAME OF WORK :- CONSTRUCTION OF DIVERSION IN JAMUNI JORE

Small Div. = 0.2m V/H

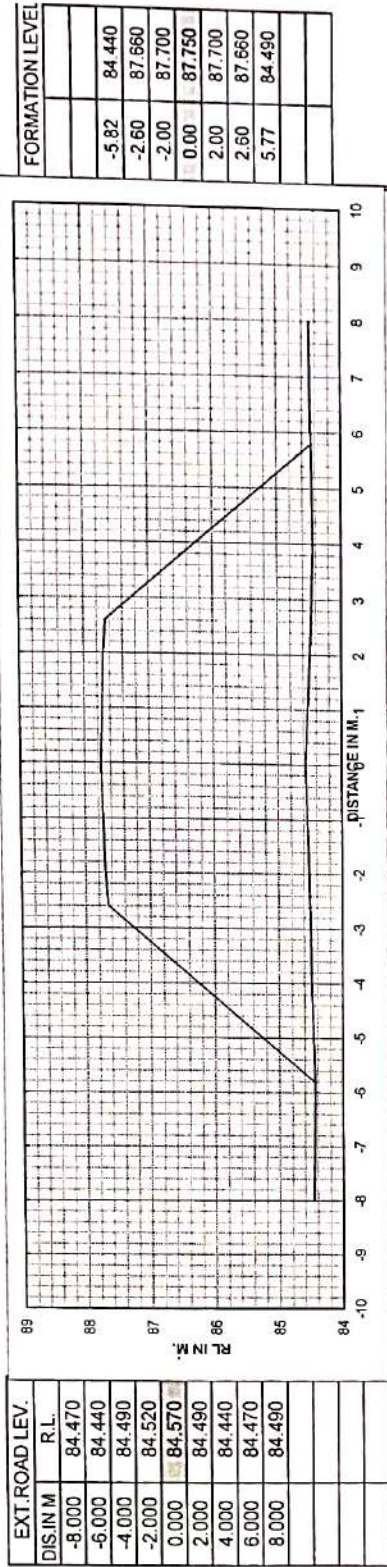
Small Div. = 0.04 Sqm.

JE

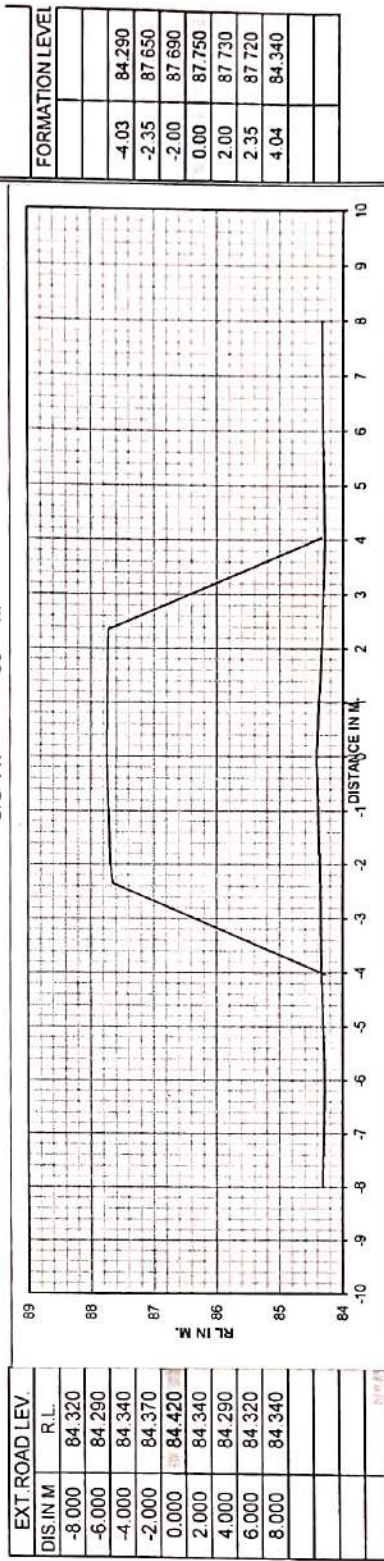
AE

EE

C/S AT - 25 M



C/S AT - 30 M



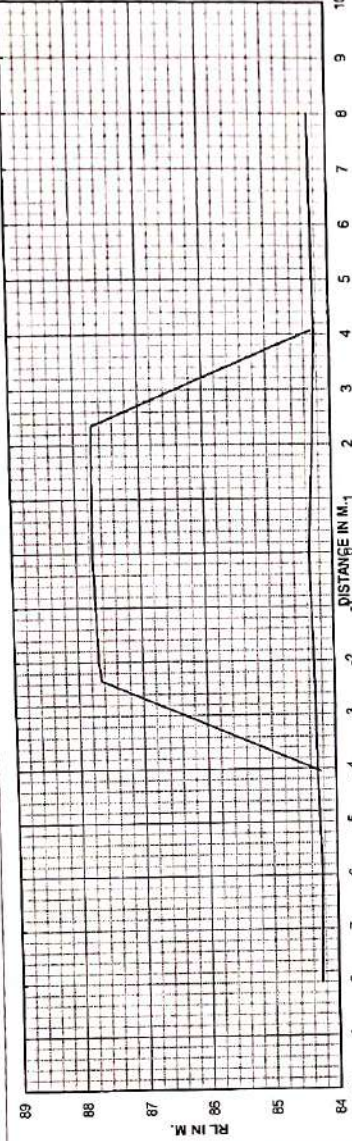
GOVT. OF BIHAR
R. W. D. WORK DIVISION BANKA-2

NAME OF WORK :- REPAIR OF FLOOD DAMAGE DIVERSION IN JAMUNI JORE
Small Div. = 0.04 Sqm.

J.E. A.E. E.E.

C/S AT - 35 M

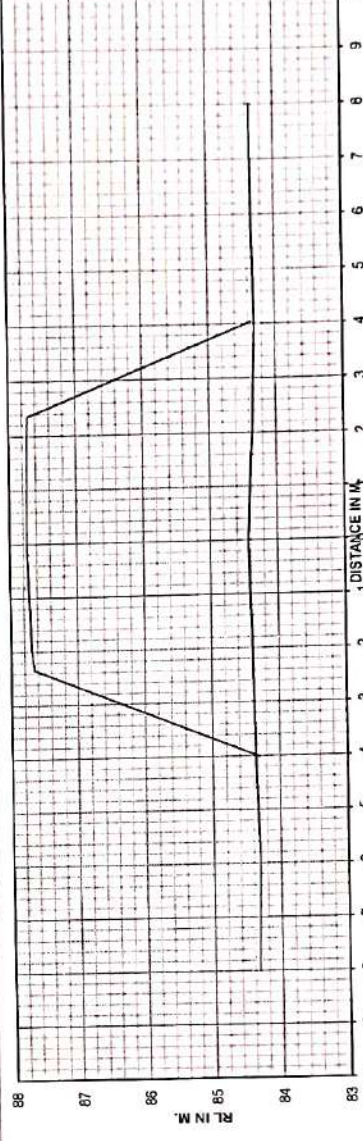
EXT. ROAD LEV.	DIS IN M	R.L.
-8.000	84.270	
-6.000	84.240	
-4.000	84.290	
-2.000	84.320	
0.000	84.370	
2.000	84.290	
4.000	84.240	
6.000	84.270	
8.000	84.290	



NET FILLING AREA 21.81 m²

C/S AT - 40 M

EXT. ROAD LEV.	DIS IN M	R.L.
-8.000	84.340	
-6.000	84.310	
-4.000	84.360	
-2.000	84.390	
0.000	84.440	
2.000	84.360	
4.000	84.310	
6.000	84.340	
8.000	84.360	



NET FILLING AREA 21.24 m²

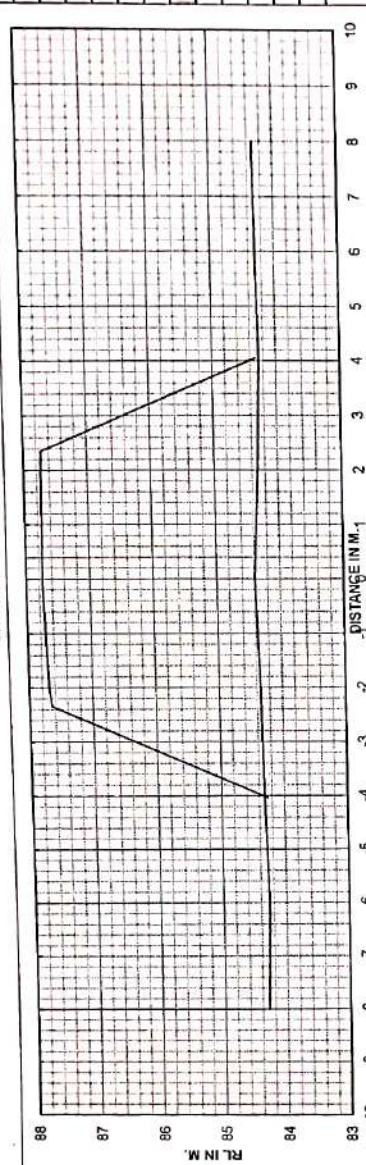
GOVT. OF BIHAR
R.W. D. WORK DIVISION BANKA-2

NAME OF WORK :- CONSTRUCTION OF DIVERSION IN JAMUNI JORE
1 Small Div. = 0.2m V/H
1 Small Div. = 0.04 Sqm.

J.E. A.E. E.E.

C/S AT - 45 M

EXT ROAD LEV.	DIS IN M	R.L.
	-8.000	84.300
	-6.000	84.270
	-4.000	84.320
	-2.000	84.350
	0.000	84.400
	2.000	84.320
	4.000	84.270
	6.000	84.300
	8.000	84.320

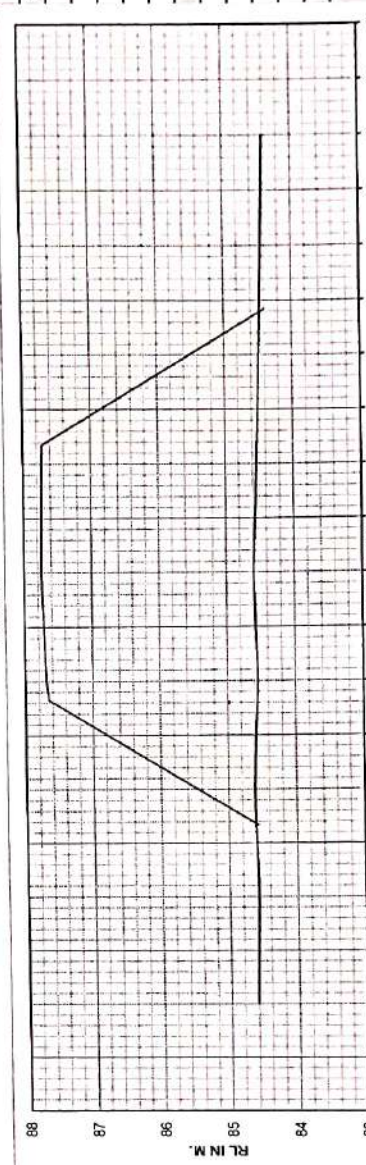


EXT ROAD LEV.	DIS IN M	R.L.
	-8.000	84.300
	-6.000	84.270
	-4.000	84.320
	-2.000	84.350
	0.000	84.400
	2.000	84.320
	4.000	84.270
	6.000	84.300
	8.000	84.320

NET FILLING AREA 21.57 m²

C/S AT - 50 M

EXT ROAD LEV.	DIS IN M	R.L.
	-8.000	84.610
	-6.000	84.570
	-4.000	84.620
	-2.000	84.550
	0.000	84.600
	2.000	84.540
	4.000	84.490
	6.000	84.450
	8.000	84.410



EXT ROAD LEV.	DIS IN M	R.L.
	-8.000	84.610
	-6.000	84.570
	-4.000	84.620
	-2.000	84.550
	0.000	84.600
	2.000	84.540
	4.000	84.490
	6.000	84.450
	8.000	84.410

NET FILLING AREA 22.12 m²

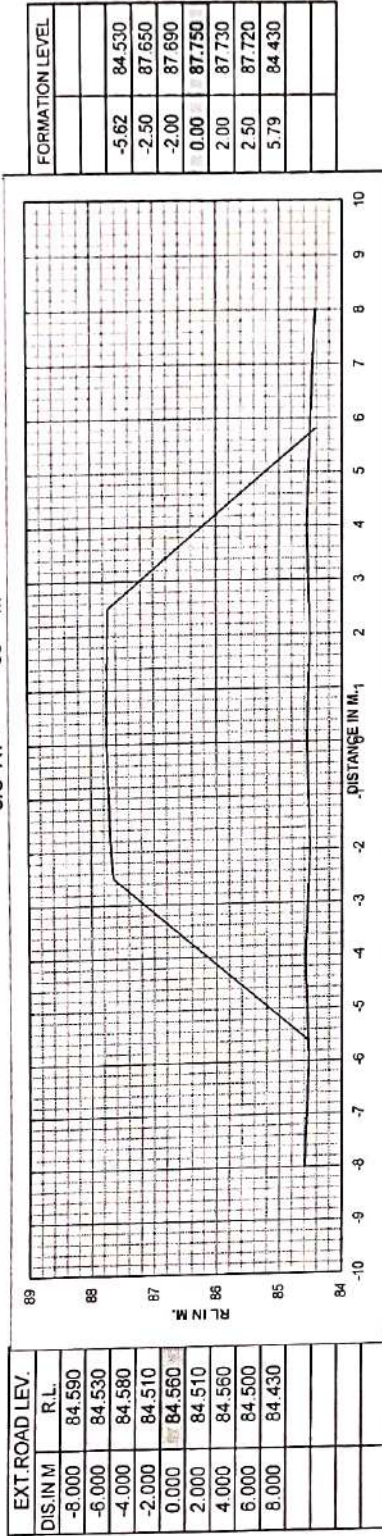
GOVT. OF BIHAR
R.W.D. WORK DIVISION BANKA-2

NAME OF WORK :- CONSTRUCTION OF DIVERSION IN JAMUNI JORE

1 Small Div. = 0.2m V/h
1 Small Div. = 0.04 Sqm.

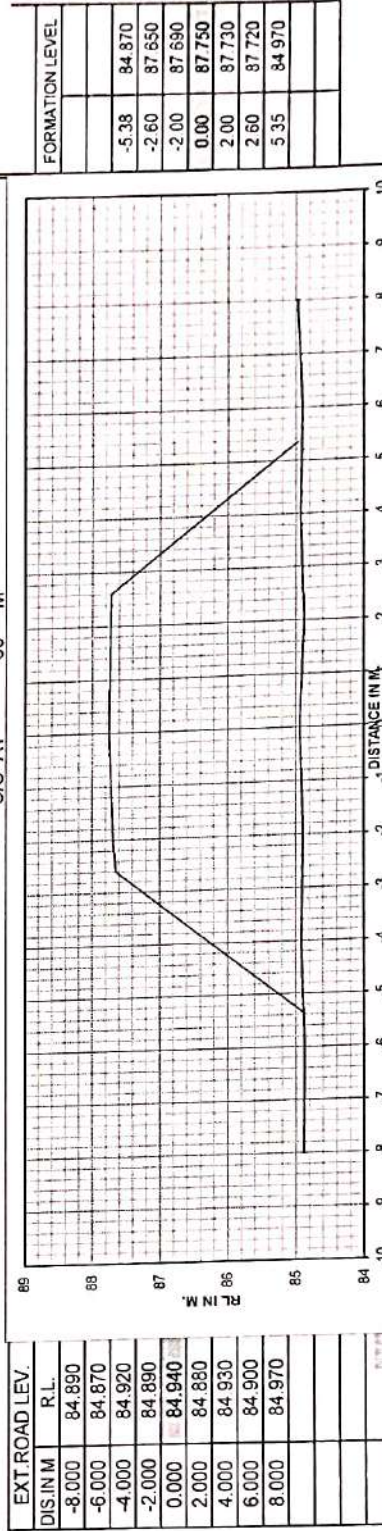
J.E. A.E. E.E.

C/S AT - 55 M



NET FILLING AREA 25.73 m2

C/S AT - 60 M



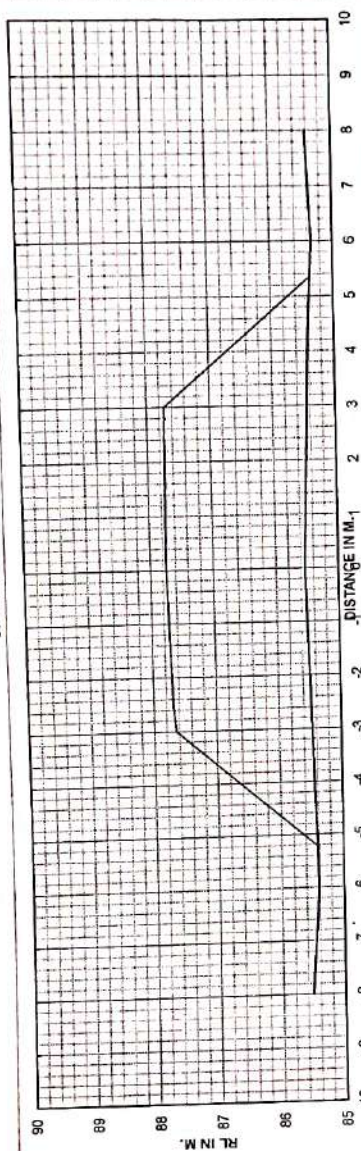
NET FILLING AREA 22.44 m2

GOVT. OF BIHAR
R. W. D. WORK DIVISION BANKA-2

1 Small Div. = 0.2m V/H
1 Small Div. = 0.04 Sqm.

J.E. A.E. E.E.

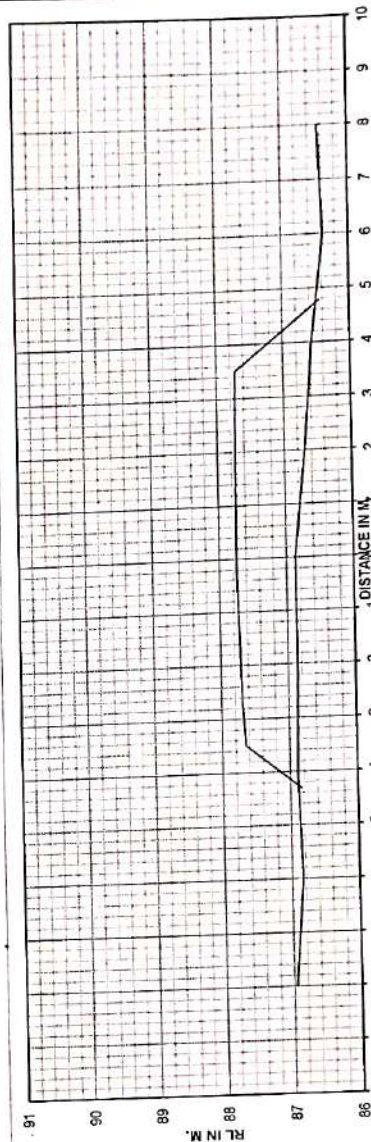
FORMATION LEVEL	
-5.25	85.400
-3.00	87.650
-2.50	87.690
0.00	87.750
2.50	87.730
3.00	87.720
5.31	85.410



EXT. ROAD LEV.	DIS. IN M	R.L.
	-8.000	85.520
	-6.000	85.400
	-4.000	85.450
	-2.000	85.490
	0.000	85.540
	2.000	85.480
	4.000	85.430
	6.000	85.340
	8.000	85.410

NFT	FILLING	AREA	18.57 m2

C/S AT -	71	M
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EXT ROAD LEV.	DIS.IN M	R.L.
	-8.000	86.960
	-6.000	86.840
	-4.000	86.890
	-2.000	86.860
	0.000	86.870
	2.000	86.700
	4.000	86.570
	6.000	86.380
	8.000	86.450

FORMATION LEVEL	
-4.31	86 840
-3.50	87 650
-2.70	87 690
0.00	87 750
2.70	87 730
3.50	87 720
4.77	86 450

NET	FILLING	AREA	7.59 m2
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GOVT. OF BIHAR
R. W. D. WORK DIVISION BANKA-2

Sl. No.	NAME OF WORK	VAL	UNIT	QTY	AMOUNT	REMARKS
1	CONSTRUCTION OF DIVERTION IN JAMUNI JORE					

1 Small Div. = 0.2m V/H/N
1 Small Div. = 0.04 Sqm.

J.E.	A.E.	E.E.
------	------	------

FDR

Schedule XLV Form N.134.

DIVERSION IN

P.W.D.

JAMUNI JOPE

Agency: Shivmoy Corporation
Equipment: Pd 4
SUB-DIVISION

ME. No - 2382 YK03-21021

MEASUREMENT BOOK

- (1) प्रमाणित किया जाता है कि इस मापी पुरत
में कुल 100 (एक सौ) पुरत मुद्रित है।
(2) प्रमाणित किया जाता है कि यह मापी पुरत
सं० 2382 श्री रामचन्द्र सा
अभि० ग्रामीण कार्य विभाग कार्य अवर प्र०
पदा रामचन्द्र बांका-2 के नाम
से निर्गत किया जाता है।

रामचन्द्र
EXECUTIVE ENGINEER
R.W.D. (W) Division
रामचन्द्र Banka-2
3/11/23

Schedule XLV Form No. 134

Banka-2 DIVISION
Chandpur SUB-DIVISION

MEASUREMENT BOOK

MB. No-2382

Name of Office

Date of first entry.....

Date of last entry

Name of Work - 1

Situation of work -

Agency by which work is executed -

Date of measurement -

No. and date of agreement

(These four lines should be repeated and the commencement of the measurement relating to each work)

of the measurement relating to each work)					
Particulars	Details of actual measurement				Contents or area
	No.	L	B	D	
Name of Work: Detailed estimate for					
Repair of flood damage					
Diversion in genuine flow.					
Agency - Shivmay Construction					
equipment & pvt Ltd.					
				</	

1) providing sand bag with					
local sand. standing with					
subtle & placing stacking					
in position					
do - - - - - all com.					
Below h.p.					
$1 \times 30M \times 8.0M \times 0.90M = 216.0M^3$					
Side h.p.					
$2 \times 30M \times \frac{2.0+1.0}{2} \times 2.0M = 180.0M^3$					
396.0M ³					
Less pipe					
$15 \times 2 \times 0.7857 \times 1.23 \times 1.23 \times 1.50 = 53.49M^3$					
342.51M ³					
In Slope					
$2 \times 14.0 \times 3.0 \times 0.60M = 50.40M^3$					
In Slope					
$2 \times 18.0 \times 3.00 \times 0.60M = 64.80M^3$					
457.71M ³ (Continuation)					
0.0343 = 13190 bag.					

Sch: XLV-Form No. 134

Particulars	Details of actual measurement				Contents or arch
	No.	L	B	D	
2) providing and laying of concrete of Cement Concrete					
pipe work for Culverts					
do do all concrete					
Now					
$7 \times 2 \times 2.50 \text{ M} = 35 \text{ RM}$					
20480 all P.					
$8 \times 2 \times 2.50 \text{ M} = 40 \text{ RM}$					
(3) placing by unskilled labour					
10000					
3) Construction of granular sub-base					
do do all concrete					
$1 \times 27 \text{ m} \times 5.50 + 4.05 \times 0.20 = 25.79 \text{ M}^3$					
$1 \times 30 \text{ m} \times 4.05 \text{ M} \times 0.20 = 24.30 \text{ M}^3$					
$1 \times 27 \text{ m} \times \frac{4.50 + 4.05}{2} \times 0.20 \text{ M} = 23.09 \text{ M}^3$					
					73.18 M ³
3) Construction of embankment with material					
do do all concrete					
CH Dig Fill area M/area					
0.60 0.60 5.56 - -					
10 M 10 16.54 11.05					110.50 M ³

(Continuation)

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents or prod
	No.	L.	B.	D.	
15M	5	26.99	21.76		108.860M ³
20M	5	28.85	27.915		139.580M ³
25M	5	26.78	27.815		139.680M ³
30M	5	21.41	24.091		120.48M ³
35M	5	21.81	21.610		108.650M ³
40M	5	21.24	21.525		107.630M ³
45M	5	21.53	21.405		107.030M ³
50M	5	22.12	21.845		109.230M ³
55M	5	25.33	23.925		119.630M ³
60M	5	22.44	24.085		120.430M ³
65M	5	16.57	20.505		102.53M ³
21M	6	7.59	13.080		78.480M ³
					1471.45M ³
Less 6.5B					73.18M ³
Less Sand Bag Below H.P. x 30M x 8 x 0.96					216.00M ³
Less Sand Bag 2 x 30M x (2.04 + 0.5) x 2.00					180.00M ³
Less 1000MM DIA WP 3 RCC Pipe Volume 15000 x 5.0M x 0.7857 x 1.22 x 23					89.15M ³
					558.32M ³
E/W -					1471.45M ³
Deduct -					558.32M ³
					913.12M ³
10/9/24 JF 10/09/24 (AE)					

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L	B	T	
<u>Abstract of Cost</u>					
1) providing local long with local sand					
do do				all comp	
Qty. vide page no (1)					
13190 long @ Rs 44.42 / m ² Rs					586559=
2) providing mid layer - reinforcement Cement Concrete					
prope No 3 for Culverts					
do do				all con	
Qty. vide page no (2)					
35201 @ Rs 7788.00 / m ² Rs					2725807
					3818007
3) placing by mechanical labour					
do do				all con	
Qty. vide page no (2)					
10000 @ Rs 487.50 / m ² Rs					4879=
4) Construction of granular sub-base					
do do				all comp	
Qty. vide page no (2)					
73.18 m ³ @ Rs 2322.00 / m ³ Rs					169924=
5) Construction of embankment with materials					
do do				all con	
Qty. vide page no (3)					
913.12 m ³ @ Rs 217.11 / m ³ Rs					198247=
				Rs	1232189=

(Continuation)

10/12/24
22

10-9-24
J.E

10/09/24
(AC)

INSPECTION REPORT FOR MOTORABLE WORK

Name of PIUs :- RWD Works Division, Banka - 2

Name of Block/ Road :- Chandan/ L057 - L056 To Parikharz (VR57)

A. For Road

1. Damage Location/ Chainage :- L057 chainage 1720m

2. Damage length :- 84 meter

3. Nature of Damage (length wise)

(i) Breach :- 84 meter

(ii) Crust Damage :-

(iii) Only flank Damage :-

Whether traffic fully/ partially obstructed - fully obstructed

4. Details of Restoration :

(i) Material Being Used in Restoration :

Sand bags - 13190 No's Hume Pipe - 16 No (OH) and 14 No's (new), GSB Gr-II - 73.18 m³, E/W - 913.12 m³

(ii) Equipment/ Tools being Used in Restoration Works :

front end loader, Roller, Truck etc.

(iii) Restored length

In open Area :- 84 meter

in habitation Area :-

(iv) If Restoration work done in habitation Area Give Reason :-

B. For Bridge (Size of bridge/ Culvert)

1. Damage Location / Chainage :

2. No. of Span Damage :-

3. Length of Span :-

4. Nature of Damage (Pier/ Abutment/ Wing wall/ Approach Road Damage)

5. Details of Restoration :

(i) Material being Used in Restoration :

(ii) Equipment/ Tools being used in Restoration Works :

(iii) Restored length

In open Area :-

in habitation Area :-

Overall Grade of Restoration Work (Satisfactory / Unsatisfactory)

"Satisfactory"

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल भागलपुर

Name of Division.- E.E. R.W.D. (W) DIVISION BANKA-2
Name of Road :- L057-L056 To Parihar (VR57)
Block : -Chandan

Date of Inspection :-13.11.2024



[Signature]
JE

[Signature]

[Signature]

Name of Division.- E.E. R.W.D. (W) DIVISION BANKA-2
Name of Road :- L057-L056 To Parihar (VR57)
Block : -Chandan

Date of Inspection :-13.11.2024



[Signature]
JE

[Signature]

[Signature]

Name of Division.- E.E. R.W.D. (W) DIVISION BANKA-2
Name of Road :- L.057-L.056 To Parihar (VR57)
Block : -Chandan

Date of Inspection :-13.11.2024



Handwritten signatures and dates:
08/09/24
08/09/24
08/09/24

Name of Division.- E.E. R.W.D. (W) DIVISION BANKA-2
Name of Road :- L.057-L.056 To Parihar (VR57)
Block :- Chandan

Date of Inspection :-13.11.2024



Pran
8-9-24
J.E

[Signature]
08/09/2024
(A.E)

SR
08/09/24
(A.E)

Name of Division.- E.E. R.W.D. (W) DIVISION BANKA-2
 Name of Road :- L.057-L.056 To Parihar (VR57)
 Block :- Chandan

Date of Inspection :-13.11.2024



Signature
 J.E.
Signature
 13/11/24
 (A.E.)
Signature
 13/11/24
 (E.E.)