(136)

बिहार सरकार
ग्रामीण कार्य विभाग

HEAD-FDR

STATE :- BIHAR

DETAILED PROJECT REPORT

DISTRICT :- Madhubani

CIRCLE :- Darbhanga

BLOCK :- Jhanjharpur

Estimate for Mortable of the Road from KAKO ROAD - MOTIPUR ROAD **under FDR at Block- ~~Madhopur~~** in Madhubani District. Jhanjharpur

TOTAL COST FOR MOTORABLE Rs. ~~21.54949~~ ~~15.53503~~ lac. 15.51472=00

Submitted by:
Executive Engineer
RWD(W) Division,Jhanjharpur

तकनीकी प्रतिवेदन

पथ का नाम :– Kako Road Motipur Road

प्राक्कलित राशि :– ~~15.53503 Lac~~ 15.51472 Lac

प्रमण्डल का नाम:– झंझारपुर

अंचल का नाम :– दरभंगा

योजना का नाम :– **F.D.R-2245**

प्रस्तुत प्राक्कलन विभागीय स्तर से कराये गये कार्य के आलोक Kako Road Motipur Road पथ के लिए तैयार किया गया है, जो कि बाढ़ एवं अतिवृष्टि के कारण हुए कटाव/ जलजमाव/ Wave Cut के कारण क्षतिग्रस्त हो गया था जिसके कारण आवागमन बाधित हो गया था । फलतः ग्रामीणों को काफी कठिनाईयों का सामना करना पड़ रहा था ।

यह प्राक्कलन सचिव महोदय, ग्रामीण कार्य विभाग, पटना बिहार के पत्रांक– मु0अ0– 4 (मु0) विविध (कार्य)– 23 – 60/2020– 1937 पटना, दिनांक– 07.07.2021 के आदेश के आलोक में तैयार किया गया है ।

इस प्राक्कलन में क्षतिग्रस्त हुए पथांश को ईंट के टुकड़े/मिट्टी/स्थानीय बालु से भरकर उसका संपीडन किये जाने का प्रावधान करते हुए कार्य संपादित किया जा चुका है ।

प्रस्तुत प्राक्कलन संपादित कार्य के समय लागू अनसूचित दर (संवेदक लाभांश छोड़कर) पर तैयार किया गया है । यह कार्य लोकहित एवं जनहित में अत्यावश्यक है । अतः इस प्राक्कलन की स्वीकृति अपेक्षित है ।

कनीय अभियंता

सहायक अभियंता

19/4/21

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, झंझारपुर

Inspection Report of Flood Damage Work

Name of PIUs :- RWD Works Division, Jhanjharpur

Name of Block :- Jhanjharpur

Name of Road :- Kako road – Motipur road

A. For Road

1. Damage Location Chainage :- 10, 60, 90, 110, 130m – –
2. Damage Length :- 1172.7m
3. Nature of Damage :-
4. Details of Restoration Works
   i. Materials being used in restoration works:- brick bats
   ii. Equipment's/Tools being used in Restoration works:- tractor – trolly
   iii. Procedure taken up in Restoration works:- 654.96 m³
   iv. Restored Length:- 1172.7m

B. For Bridge

1. Damage Location Chainage :-.
2. Damage Length :-
3. Nature of Damage :-
4. Details of Restoration Works
   i. Materials being used in restoration works:-
   ii. Equipment's/Tools being used in Restoration works:-
   iii. Procedure taken up in Restoration works:-
   iv. Restored Length:-

C. Requirement Of New CD/ Bridges

i. Name of Road:-
ii. Location/ Chainage:-
iii. Type of CD Work/ Length required:-

25/04/22

Signature of JE/AE/EE

2536
27/4/22
RE

25/4/22

Signature
(Name of Inspection)

Estimate for Motorability of road damaged by flood from KAKO ROAD - MOTIPUR ROAD For Year 2021

Road :- FDR 2245

Length :- 3.651 km

Sl. No.	Item No.	Name of Item	Unit	Quantity As per Appendix - 1	Rate	Amount
1		Providing and filling brick bats in ditches/ damaged embankment including cost of brick bats and labour all complete job as per specification and direction of E/I.	Cum	654.96 ✓	2004.96	1313168.63

₹ 13,13,168.63

Add 12 % GST ₹ 1,57,580.24

Add 1 % L.C ₹ 13,131.69

Add S. Fee (~~377.78~~ 654.96 x ~~1063.00~~ 1032) x 10 % ₹ ~~67591.87~~ ~~69,622.25~~ 67591.87

Total ₹ ~~15,53,502.80~~ ~~2159799.28~~ 1551472.39

Say ₹ ~~15,53,503.00~~ ~~2159799.00~~ 15,51,472.00

5.11.21

Junior Engineer
R.W.D, Works Section,
Jhanjharpur

Assistant Engineer
R.W.D, Work sub Div.
Jhanjharpur

19/4/22

Executive Engineer
R.W.D (W) Division,
Jhanjharpur

कार्यपालक अभियंता, ग्रा० का० वि० जयनगर के द्वारा ज्ञापांकोपरान्त पत्रांक 671 (अनु०) दिनांक 29/04/22 के आधार पर

Technically Sanctioned for ₹ 1551472=00 (Rupees Fifteen Lakh Fifty one thousand Four hundred seventy ~~Rupees Ninty N~~ two) only.

Superintending Engineer
RWD Work Circle, Darbhanga

Name of Road :- KAKO ROAD - MOTIPUR ROAD

PMGSY	Length :- 3.651 km	Block :- Jhanjharpur

Appendix - I

Measurement for restoration of Embankment and shoulder with Brick Bat
(Measurement in mtr.)

Chainage	Nos.		Length (in Mtr.)		Bidth (in Mtr.)			Thickness (in Mtr.)				Quantity	
ch. 10	1	x	2.10	x	(0.80+0.70+0.90)/3	x	0.80	(0.20+0.30+0.10)/3	0.20	av.	=	0.34	cum
	1	x	7.80	x	(0.90+1.50+1.0)/3	x	1.13	(0.15+0.20+0.10)/3	0.15	av.	=	1.33	cum
ch. 60	1	x	4.70	x	(1.30+1.40+1.30)/3	x	1.33	(0.10+0.15)/2	0.13	av.	=	0.78	cum
	1	x	6.90	x	(1.40+1.50+1.32)/3	x	1.41	(0.10+0.10+0.075)/3	0.09	av.	=	0.89	cum
	1	x	2.95	x	(0.90+1.10+0.90)/3	x	0.97	(0.15+0.10+0.20)/3	0.15	av.	=	0.43	cum
ch. 90	1	x	2.90	x	(0.90+1.10+0.95)/3	x	0.98	(0.10+0.075)/2	0.09	av.	=	0.25	cum
ch. 110	1	x	4.00	x	(0.90+1.10+0.85)/3	x	0.95	(0.10+0.075)/2	0.09	av.	=	0.33	cum
ch. 130	1	x	4.20	x	(0.90+1.15+0.85)/3	x	0.97	(0.10+0.15+0.075)/3	0.11	av.	=	0.44	cum
	1	x	2.90	x	(0.95+1.20+1.0)/3	x	1.05	(0.10+0.250+0.075)/3	0.14	av.	=	0.43	cum
ch. 150	1	x	2.60	x	(1.10+1.20+1.0)/3	x	1.10	(0.10+0.15+0.10)/3	0.12	av.	=	0.33	cum
	1	x	7.50	x	(1.20+1.30+0.90)/3	x	1.13	(0.10+0.15+0.10)/3	0.12	av.	=	0.99	cum
ch. 160	1	x	5.50	x	(1.0+1.10+0.90)/3	x	1.00	0.40	0.40	av.	=	2.20	cum
	1	x	1.50	x	(0.60+0.50)/2	x	0.55	0.30	0.30	av.	=	0.25	cum
ch. 200	1	x	1.65	x	0.30	x	0.30	0.30	0.30	av.	=	0.15	cum
	1	x	1.75	x	1.20	x	1.20	0.40	0.40	av.	=	0.84	cum
ch. 220	1	x	4.10	x	(1.0+1.50+1.30)/3	x	1.27	0.50	0.50	av.	=	2.60	cum
	1	x	0.90	x	0.80	x	0.80	0.40	0.40	av.	=	0.29	cum
ch. 230	1	x	2.95	x	(1.20+1.50+1.30)/3	x	1.33	(0.10+0.20+0.10)/3	0.13	av.	=	0.52	cum
ch. 235	1	x	1.20	x	0.30	x	0.30	0.50	0.50	av.	=	0.18	cum
ch. 240	1	x	3.80	x	(1.20+0.90+1.10)/3	x	1.07	0.00	0.00	av.	=	0.00	cum
ch. 250	1	x	1.45	x	(0.80+0.85)/2	x	0.83	0.40	0.40	av.	=	0.48	cum
	1	x	1.30	x	0.75	x	0.75	0.60	0.60	av.	=	0.59	cum
ch. 260	1	x	1.90	x	(1.20+1.25)/2	x	1.23	0.50	0.50	av.	=	1.16	cum
ch. 265	1	x	1.50	x	1.20	x	1.20	0.60	0.60	av.	=	1.08	cum
ch. 270	1	x	2.40	x	(1.20+1.30+1.20)/3	x	1.23	0.80	0.80	av.	=	2.37	cum
	1	x	1.60	x	(1.90+2.30+1.80)/3	x	2.00	0.20	0.20	av.	=	0.64	cum
ch. 280	1	x	2.20	x	(1.20+1.0+1.20)/3	x	1.13	0.60	0.60	av.	=	1.50	cum
ch. 290	1	x	3.30	x	(0.90+1.40+1.10)/3	x	1.13	0.30	0.30	av.	=	1.12	cum
	1	x	3.90	x	(1.50+1.60+1.20)/3	x	1.43	0.30	0.30	av.	=	1.68	cum
ch. 320	1	x	4.30	x	(1.20+1.25+1.0)/3	x	1.15	0.30	0.30	av.	=	1.48	cum
	1	x	7.70	x	(1.10+1.40+1.20)/3	x	1.23	(0.10+0.20+0.15)/3	0.15	av.	=	1.42	cum
ch. 340	1	x	1.50	x	1.00	x	1.00	0.15	0.15	av.	=	0.23	cum
ch. 360	1	x	3.15	x	(1.0+1.10+0.90)/3	x	1.00	(0.15+0.20+0.15)/3	0.17	av.	=	0.53	cum
ch. 370	1	x	4.40	x	(1.10+1.30+1.0)/3	x	1.13	0.40	0.40	av.	=	1.99	cum
ch. 370	1	x	3.70	x	(0.80+0.90)/2	x	0.85	0.30	0.30	av.	=	0.94	cum
ch. 370	1	x	8.50	x	(1.10+1.20+1.10)/3	x	1.13	0.40	0.40	av.	=	3.85	cum
ch. 400	1	x	2.90	x	(1.0+1.10+0.90)/3	x	1.00	0.40	0.40	av.	=	1.16	cum
ch. 400	1	x	2.40	x	1.40	x	1.40	0.40	0.40	av.	=	1.34	cum
ch. 410	1	x	4.10	x	(1.10+1.20+1.30)/3	x	1.20	0.50	0.50	av.	=	2.46	cum
ch. 410	1	x	1.30	x	0.80	x	0.80	0.45	0.45	av.	=	0.47	cum
ch. 410	1	x	5.70	x	(1.30+1.40)/2	x	1.35	0.45	0.45	av.	=	3.46	cum
ch. 410	1	x	5.30	x	(0.70+0.80)/2	x	0.75	0.50	0.50	av.	=	1.99	cum

Name of Road :- KAKO ROAD - MOTIPUR ROAD

PMGSY	Length :- 3.651 km	Block :- Jhanjharpur

Appendix - I

Measurement for restoration of Embankment and shoulder with Brick Bat
(Measurement in mtr.)

ch. 440	1	x	18.90	x	(3.40+3.50+3.40)/3	x	3.43	0.20+0.15+0.20+0.30)/	0.21	av.	=	13.79	cum
ch. 470	1	x	3.20	x	3.10	x	3.10	0.60	0.60	av.	=	5.95	cum
ch. 470	1	x	1.10	x	0.80	x	0.80	0.40	0.40	av.	=	0.35	cum
ch. 470	1	x	3.10	x	2.00	x	2.00	0.45	0.45	av.	=	2.79	cum
ch. 485	1	x	10.10	x	2.90	x	2.90	0.60	0.60	av.	=	17.57	cum
ch. 485	1	x	23.70	x	(1.70+1.8+1.70)/3	x	1.73	(0.15+0.20+0.15)/3	0.17	av.	=	6.85	cum
ch. 530	1	x	3.30	x	2.80	x	2.80	(0.20+0.25+0.15)/3	0.20	av.	=	1.85	cum
ch. 600	1	x	7.70	x	(1.30+1.60+1.30)/3	x	1.40	(0.15+0.20+0.15)/3	0.17	av.	=	1.80	cum
ch. 610	1	x	4.70	x	(1.20+1.30+1.20)/3	x	1.23	0.45	0.45	av.	=	2.61	cum
ch. 610	1	x	6.20	x	(1.10+1.70+1.30)/3	x	1.37	0.45	0.45	av.	=	3.81	cum
ch. 630	1	x	4.10	x	(1.30+1.50+1.30)/3	x	1.37	0.60	0.60	av.	=	3.36	cum
ch. 630	1	x	4.10	x	(1.20+1.25+1.30)/3	x	1.25	0.50	0.50	av.	=	2.56	cum
ch. 640	1	x	2.30	x	(1.20+1.60+1.30)/3	x	1.37	0.45	0.45	av.	=	1.41	cum
ch. 640	1	x	2.90	x	(1.40+1.60+1.20)/3	x	1.40	0.35	0.35	av.	=	1.42	cum
ch. 640	1	x	2.40	x	1.50	x	1.50	0.45	0.45	av.	=	1.62	cum
ch. 640	1	x	0.90	x	0.90	x	0.90	0.20	0.20	av.	=	0.16	cum
ch. 690	1	x	8.10	x	(1.30+1.40+1.30)/3	x	1.33	(0.10+0.15+0.10)/3	0.12	av.	=	1.26	cum
ch. 750	1	x	1.70	x	1.20	x	1.20	0.45	0.45	av.	=	0.92	cum
ch. 750	1	x	3.10	x	1.60	x	1.60	0.40	0.40	av.	=	1.98	cum
ch. 750	1	x	2.00	x	17.60	x	17.60	0.30	0.30	av.	=	10.56	cum
ch. 750	1	x	5.10	x	(1.50+1.60)/2	x	1.55	0.40	0.40	av.	=	3.16	cum
ch. 750	1	x	30.00	x	(3.40+3.70)/2	x	3.55	(0.10+0.15+0.10)/3	0.12	av.	=	12.43	cum
ch. 750	1	x	17.20	x	(3.70+3.10)/2	x	3.40	(0.10+0.15+0.10)/3	0.12	av.	=	6.82	cum
ch. 750	1	x	6.20	x	(1.20+1.30+1.10)/3	x	1.20	0.30	0.30	av.	=	2.23	cum
ch. 750	1	x	2.30	x	1.40	x	1.40	0.30	0.30	av.	=	0.97	cum
ch. 855	1	x	5.40	x	1.10	x	1.10	(0.10+0.15+0.10)/3	0.12	av.	=	0.69	cum
ch. 880	1	x	3.90	x	1.10	x	1.10	0.40	0.40	av.	=	1.72	cum
ch. 880	1	x	5.10	x	(0.90+1.40+0.80)/3	x	1.03	0.30	0.30	av.	=	1.58	cum
ch. 920	1	x	2.90	x	0.90	x	0.90	0.45	0.45	av.	=	1.17	cum
ch. 950	1	x	30.00	x	(2.80+2.90)/2	x	2.93	(0.15+0.30+0.15)/3	0.20	av.	=	17.55	cum
ch. 950	1	x	18.70	x	(2.90+2.95)/2	x	2.93	(0.10+0.30+0.15)/3	0.18	av.	=	10.03	cum
ch. 1010	1	x	1.80	x	1.50	x	1.50	0.60	0.60	av.	=	1.62	cum
	1	x	4.40	x	3.10	x	3.10	(0.15+0.10)/2	0.13	av.	=	1.71	cum
	1	x	3.10	x	0.70	x	0.70	0.45	0.45	av.	=	0.98	cum
	1	x	5.20	x	3.75	x	3.75	0.40	0.40	av.	=	7.80	cum
	1	x	9.70	x	2.90	x	2.90	0.50	0.50	av.	=	14.07	cum
	1	x	9.90	x	3.20	x	3.20	0.35	0.35	av.	=	11.09	cum
	1	x	4.40	x	1.30	x	1.30	0.40	0.40	av.	=	2.29	cum
ch. 1065	1	x	1.90	x	0.90	x	0.90	0.45	0.45	av.	=	0.77	cum
	1	x	24.50	x	(3.10+3.20)/2	x	3.15	(0.15+0.25+1.50)/3	0.63	av.	=	48.88	cum
	1	x	30.00	x	(1.90+2.10+1.90)/3	x	1.97	(0.18+0.40+0.15)/3	0.24	av.	=	14.36	cum
	1	x	5.10	x	(1.90+2.0)/2	x	1.95	(0.15+0.25+0.15)/3	0.18	av.	=	1.82	cum
ch. 1130	1	x	20.30	x	(1.20+1.40+1.30)/3	x	1.30	0.40	0.40	av.	=	10.56	cum

Name of Road :- KAKO ROAD - MOTIPUR ROAD

PMGSY	Length :- 3.651 km	Block :- Jhanjharpur

Appendix - I

Measurement for restoration of Embankment and shoulder with Brick Bat
(Measurement in mtr.)

[illegible]	1	x	3.00	x	1.00	x	1.00	0.50	0.50	av.	=	1.50	cum
ch. 1170	1	x	3.30	x	1.00	x	1.00	0.60	0.60	av.	=	1.98	cum
	1	x	6.50	x	1.20	x	1.20	0.40	0.40	av.	=	3.12	cum
	1	x	2.50	x	1.10	x	1.10	0.50	0.50	av.	=	1.38	cum
	1	x	1.20	x	0.70	x	0.70	0.30	0.30	av.	=	0.25	cum
	1	x	2.20	x	1.80	x	1.80	0.30	0.30	av.	=	1.19	cum
ch. 1200	1	x	1.30	x	2.90	x	2.90	0.30	0.30	av.	=	1.13	cum
	1	x	18.10	x	(1.70+1.90+1.50)/3	x	1.70	0.40	0.40	av.	=	12.31	cum
	1	x	3.10	x	(1.40+1.60+1.30)/3	x	1.43	0.30	0.30	av.	=	1.33	cum
	1	x	5.80	x	1.70	x	1.70	0.30	0.30	av.	=	2.96	cum
	1	x	4.20	x	3.10	x	3.10	0.30	0.30	av.	=	3.91	cum
ch. 1250	1	x	6.10	x	(2.10+2.50+2.30)/3	x	2.30	(0.10+0.15+0.10)/3	0.12	av.	=	1.64	cum
ch. 1265	1	x	1.80	x	1.60	x	1.60	0.40	0.40	av.	=	1.15	cum
ch. 1265	1	x	9.60	x	(1.80+2.0+1.70)/3	x	1.83	(0.10+0.15+0.12)/3	0.12	av.	=	2.17	cum
ch. 1290	1	x	3.10	x	1.80	x	1.80	(0.10+0.12+0.10)/3	0.11	av.	=	0.60	cum
ch. 1305	1	x	2.80	x	2.70	x	2.70	0.30	0.30	av.	=	2.27	cum
ch. 1305	1	x	9.10	x	(3.75+3.60+3.75)/3	x	3.70	(0.10+0.15+0.12)/2	0.19	av.	=	6.23	cum
ch. 1305	1	x	4.10	x	(0.70+1.30+0.80)/3	x	0.93	0.40	0.40	av.	=	1.53	cum
ch. 1330	1	x	4.10	x	(0.60+1.70+0.70)/3	x	1.00	(0.10+0.15+0.10)/3	0.12	av.	=	0.48	cum
ch. 1340	1	x	5.60	x	(1.30+1.90+1.50)/3	x	1.57	0.50	0.50	av.	=	4.39	cum
ch. 1340	1	x	6.10	x	(1.20+1.50+1.10)/3	x	1.27	0.40	0.40	av.	=	3.09	cum
ch. 1340	1	x	1.60	x	1.00	x	1.00	0.60	0.60	av.	=	0.96	cum
ch. 1340	1	x	3.40	x	(1.20+1.90+1.20)/3	x	1.43	0.40	0.40	av.	=	1.95	cum
ch. 1380	1	x	1.30	x	1.90	x	1.90	0.50	0.50	av.	=	1.24	cum
ch. 1380	1	x	3.50	x	(1.20+1.60+1.40)/3	x	1.40	(0.10+0.15+0.10)/3	0.12	av.	=	0.57	cum
ch. 1390	1	x	6.40	x	(1.10+1.50+1.20)/3	x	1.27	0.30	0.30	av.	=	2.43	cum
ch. 1390	1	x	10.70	x	(1.20+1.70+1.30)/3	x	1.40	0.40	0.40	av.	=	5.99	cum
ch. 1390	1	x	1.40	x	0.90	x	0.90	0.40	0.40	av.	=	0.50	cum
ch. 1410	1	x	5.50	x	(1.30+1.50+1.20)/3	x	1.33	(0.10+0.15+0.10)/3	0.12	av.	=	0.86	cum
ch. 1410	1	x	4.80	x	2.70	x	2.70	(0.10+0.075+0.10)/3	0.09	av.	=	1.19	cum
ch. 1410	1	x	0.90	x	0.80	x	0.80	0.30	0.30	av.	=	0.22	cum
ch. 1450	1	x	6.50	x	(3.20+3.40+3.30)/3	x	3.30	(0.10+0.15+0.10)/3	0.12	av.	=	2.50	cum
ch. 1450	1	x	2.10	x	1.20	x	1.20	0.20	0.20	av.	=	0.50	cum
ch. 1500	1	x	3.60	x	1.30	x	1.30	0.30	0.30	av.	=	1.40	cum
ch. 1520	1	x	8.10	x	(3.50+3.60)/2	x	3.55	(0.10+0.75+0.10)/3	0.32	av.	=	9.11	cum
ch. 1520	1	x	6.60	x	(1.90+2.50+1.80)/3	x	2.07	0.40	0.40	av.	=	5.46	cum
ch. 1540	1	x	5.50	x	(3.50+3.30)/2	x	3.40	(0.10+0.20+0.15)/3	0.15	av.	=	2.81	cum
	1	x	3.10	x	3.20	x	3.20	0.30	0.30	av.	=	2.98	cum
	1	x	7.30	x	(1.30+1.90+1.50)/3	x	1.57	0.30	0.30	av.	=	3.43	cum
	1	x	3.10	x	0.90	x	0.90	0.60	0.60	av.	=	1.67	cum
	1	x	3.30	x	1.50	x	1.50	0.30	0.30	av.	=	1.49	cum
	1	x	4.90	x	3.10	x	3.10	0.40	0.40	av.	=	6.08	cum
	1	x	2.90	x	1.80	x	1.80	0.40	0.40	av.	=	2.09	cum

Name of Road :- KAKO ROAD - MOTIPUR ROAD

PMGSY	Length :- 3.651 km	Block :- Jhanjharpur

Appendix - I

Measurement for restoration of Embankment and shoulder with Brick Bat
(Measurement in mtr.)

	1	x	6.20	x	2.50	x	2.50	0.30	0.30	av.	=	4.65	cum
	1	x	2.50	x	2.10	x	2.10	0.30	0.30	av.	=	1.58	cum
	1	x	3.60	x	1.80	x	1.80	0.30	0.30	av.	=	1.94	cum
	1	x	5.30	x	2.10	x	2.10	0.40	0.40	av.	=	4.45	cum
	1	x	1.00	x	0.80	x	0.80	0.20	0.20	av.	=	0.16	cum
ch. 1610	1	x	1.00	x	0.90	x	0.90	0.20	0.20	av.	=	0.18	cum
ch. 1610	1	x	7.30	x	1.90	x	1.90	0.30	0.30	av.	=	4.16	cum
ch. 1630	1	x	3.50	x	2.10	x	2.10	(0.10+0.15+0.10)/3	0.12	av.	=	0.86	cum
ch. 1630	1	x	5.30	x	(1.20+0.90)/2	x	1.05	0.30	0.30	av.	=	1.67	cum
ch. 1630	1	x	0.50	x	0.40	x	0.40	0.40	0.40	av.	=	0.08	cum
ch. 1660	1	x	2.70	x	0.90	x	0.90	0.50	0.50	av.	=	1.22	cum
ch. 1680	1	x	2.30	x	1.20	x	1.20	0.30	0.30	av.	=	0.83	cum
ch. 1680	1	x	3.10	x	0.70	x	0.70	0.30	0.30	av.	=	0.65	cum
ch. 1695	1	x	7.10	x	(1.20+1.30)/2	x	1.25	0.30	0.30	av.	=	2.66	cum
ch. 1710	1	x	1.60	x	1.00	x	1.00	0.40	0.40	av.	=	0.64	cum
ch. 1718	1	x	3.10	x	(0.70+1.50+0.60)/3	x	0.93	0.40	0.40	av.	=	1.16	cum
ch. 1725	1	x	2.10	x	(1.50+1.50+1.30)/3	x	1.43	0.30	0.30	av.	=	0.90	cum
ch. 1730	1	x	1.10	x	1.30	x	1.30	0.30	0.30	av.	=	0.43	cum
ch. 1750	1	x	4.10	x	(1.0+0.60+0.70)/3	x	0.77	0.30	0.30	av.	=	0.94	cum
ch. 1750	1	x	4.10	x	(1.0+0.60+0.70)/3	x	0.77	0.10	0.10	av.	=	0.31	cum
ch. 1780	1	x	4.70	x	(3.75+3.50+3.75)/3	x	3.67	0.30	0.30	av.	=	5.17	cum
ch. 1790	1	x	4.40	x	(1.10+1.30+1.20)/3	x	1.20	0.20	0.20	av.	=	1.06	cum
ch. 1790	1	x	5.80	x	(1.70+1.60+1.65)/3	x	1.65	0.20	0.20	av.	=	1.91	cum
ch. 1790	1	x	3.60	x	1.25	x	1.25	0.20	0.20	av.	=	0.90	cum
ch. 1790	1	x	2.60	x	(1.50+1.50+1.60)/3	x	1.53	0.20	0.20	av.	=	0.80	cum
ch. 1790	1	x	6.70	x	1.20	x	1.20	0.10	0.10	av.	=	0.80	cum
ch. 1790	1	x	2.10	x	2.10	x	2.10	0.08	0.08	av.	=	0.33	cum
ch. 1790	1	x	3.20	x	3.10	x	3.10	(0.075+0.10+0.075)/3	0.08	av.	=	0.83	cum
ch. 1840	1	x	3.80	x	3.10	x	3.10	(0.075+0.15+0.075)/3	0.10	av.	=	1.18	cum
ch. 1860	1	x	2.20	x	1.10	x	1.10	0.40	0.40	av.	=	0.97	cum
ch. 1860	1	x	2.40	x	(1.20+1.50+1.30)/3	x	1.33	0.30	0.30	av.	=	0.96	cum
ch. 1860	1	x	2.60	x	0.70	x	0.70	0.50	0.50	av.	=	0.91	cum
ch. 1860	1	x	3.60	x	2.90	x	2.90	0.30	0.30	av.	=	3.13	cum
ch. 1870	1	x	7.50	x	(1.90+1.50+1.40)/3	x	1.60	0.30	0.30	av.	=	3.60	cum
ch. 1870	1	x	1.50	x	0.80	x	0.80	0.30	0.30	av.	=	0.36	cum
ch. 1870	1	x	4.40	x	(1.20+1.70+1.30)/3	x	1.40	0.30	0.30	av.	=	1.85	cum
ch. 1870	1	x	1.00	x	0.70	x	0.70	0.40	0.40	av.	=	0.28	cum
ch. 1890	1	x	3.90	x	(1.30+1.50+1.0)/3	x	1.27	0.40	0.40	av.	=	1.98	cum
ch. 1890	1	x	5.40	x	(3.20+1.70+1.30)/3	x	2.07	0.30	0.30	av.	=	3.35	cum
ch. 1890	1	x	1.80	x	1.10	x	1.10	0.40	0.40	av.	=	0.79	cum
ch. 1910	1	x	4.90	x	(3.10+3.0+3.05)/3	x	3.05	0.30	0.30	av.	=	4.48	cum
ch. 1925	1	x	3.80	x	(1.20+1.0)/2	x	1.10	0.20	0.20	av.	=	0.84	cum
ch. 1940	1	x	3.60	x	(1.20+1.40+1.30)/3	x	1.30	(0.10+0.15+0.075)/3	0.11	av.	=	0.51	cum

Name of Road :- KAKO ROAD - MOTIPUR ROAD

PMGSY	Length :- 3.651 km	Block :- Jhanjharpur

Appendix - I

Measurement for restoration of Embankment and shoulder with Brick Bat
(Measurement in mtr.)

ch. 1950	1	x	3.50	x	(1.30+1.35+1.20)/3	x	1.28	0.20	0.20	av.	=	0.90	cum
ch. 1990	1	x	7.20	x	(0.95+2.70+2.80)/3	x	2.15	(0.075+0.20+0.10)/3	0.13	av.	=	1.94	cum
ch. 2000	1	x	3.40	x	1.00	x	1.00	0.40	0.40	av.	=	1.36	cum
ch. 2000	1	x	1.20	x	1.10	x	1.10	0.40	0.40	av.	=	0.53	cum
ch. 2000	1	x	9.70	x	3.20	x	3.20	(0.075+0.15+0.10)/3	0.11	av.	=	3.36	cum
ch. 2030	1	x	3.60	x	(3.10+3.15)/2	x	3.13	(0.075+0.20+0.10)/3	0.13	av.	=	1.41	cum
ch. 2040	1	x	3.40	x	(1.20+1.60+1.30)/3	x	1.37	0.30	0.30	av.	=	1.39	cum
ch. 2040	1	x	3.30	x	1.30	x	1.30	0.30	0.30	av.	=	1.29	cum
ch. 2050	1	x	7.40	x	(1.60+1.70+1.50)/3	x	1.60	(0.075+0.15+0.10)/3	0.11	av.	=	1.28	cum
ch. 2090	1	x	2.80	x	(1.80+1.50+1.20)/3	x	1.50	0.30	0.30	av.	=	1.26	cum
ch. 2090	1	x	1.70	x	1.10	x	1.10	0.30	0.30	av.	=	0.56	cum
ch. 2110	1	x	3.70	x	(1.90+2.10+1.80)/3	x	1.93	0.30	0.30	av.	=	2.15	cum
ch. 2120	1	x	4.80	x	1.20	x	1.20	0.30	0.30	av.	=	1.73	cum
ch. 2120	1	x	2.70	x	(1.70+1.20+1.50)/3	x	1.47	0.30	0.30	av.	=	1.19	cum
ch. 2120	1	x	2.20	x	(1.80+1.70)/2	x	1.75	(0.100+0.20+0.10)/3	0.13	av.	=	0.51	cum
ch. 2140	1	x	2.10	x	1.40	x	1.40	0.60	0.60	av.	=	1.76	cum
ch. 2140	1	x	4.10	x	3.50	x	3.50	0.40	0.40	av.	=	5.74	cum
ch. 2140	1	x	2.10	x	1.50	x	1.50	0.40	0.40	av.	=	1.26	cum
ch. 2140	1	x	2.90	x	(1.40+2.40)/2	x	1.90	0.60	0.60	av.	=	3.31	cum
ch. 2140	1	x	4.40	x	4.10	x	4.10	0.40	0.40	av.	=	7.22	cum
ch. 2170	1	x	5.20	x	(1.40+2.10+1.50)/3	x	1.67	0.60	0.60	av.	=	5.20	cum
ch. 2170	1	x	9.80	x	(3.75+4.40+3.75)/3	x	3.97	0.60	0.60	av.	=	23.32	cum
ch. 2190	1	x	1.40	x	1.70	x	1.70	0.80	0.80	av.	=	1.90	cum
ch. 2190	1	x	3.60	x	(2.30+2.10)/2	x	2.20	0.60	0.60	av.	=	4.75	cum
ch. 2190	1	x	8.70	x	2.10	x	2.10	0.40	0.40	av.	=	7.31	cum
ch. 2190	1	x	1.90	x	1.50	x	1.50	0.50	0.50	av.	=	1.43	cum
ch. 2220	1	x	7.10	x	(3.7+3+3.2)/3	x	3.30	(0.10+0.15+0.10)/3	0.12	av.	=	2.73	cum
ch. 2240	1	x	2.10	x	1.70	x	1.70	0.40	0.40	av.	=	1.43	cum
ch. 2240	1	x	1.20	x	1.10	x	1.10	0.60	0.60	av.	=	0.79	cum
ch. 2240	1	x	5.60	x	3.75	x	3.75	0.50	0.50	av.	=	10.50	cum
ch. 2240	1	x	2.80	x	1.40	x	1.40	0.50	0.50	av.	=	1.96	cum
ch. 2260	1	x	3.10	x	1.50	x	1.50	0.40	0.40	av.	=	1.86	cum
ch. 2280	1	x	2.90	x	1.70	x	1.70	0.50	0.50	av.	=	2.47	cum
ch. 2300	1	x	2.10	x	1.90	x	1.90	0.30	0.30	av.	=	1.20	cum
ch. 2310	1	x	5.10	x	2.10	x	2.10	0.60	0.60	av.	=	6.43	cum
ch. 2310	1	x	3.40	x	2.90	x	2.90	0.40	0.40	av.	=	3.94	cum
ch. 2320	1	x	3.60	x	(2.10+3.20+3.0)/3	x	2.77	0.40	0.40	av.	=	3.98	cum
ch. 2320	1	x	3.60	x	2.60	x	2.60	0.40	0.40	av.	=	3.74	cum
ch. 2330	1	x	5.60	x	3.70	x	3.70	(0.10+0.15+0.075)/3	0.11	av.	=	2.24	cum
ch. 2340	1	x	1.90	x	0.80	x	0.80	0.20	0.20	av.	=	0.30	cum
ch. 2340	1	x	0.70	x	0.70	x	0.70	0.20	0.20	av.	=	0.10	cum
ch. 2350	1	x	2.10	x	1.50	x	1.50	0.30	0.30	av.	=	0.95	cum
ch. 2350	1	x	2.70	x	1.50	x	1.50	0.40	0.40	av.	=	1.62	cum

Name of Road :- KAKO ROAD - MOTIPUR ROAD

PMGSY	Length :- 3.651 km	Block :- Jhanjharpur

Appendix - I

Measurement for restoration of Embankment and shoulder with Brick Bat
(Measurement in mtr.)

ch. 2360	1	x	3.20	x	2.30	x	2.30	0.30	0.30	av.	=	2.21	cum
ch. 2360	1	x	1.90	x	4.00	x	4.00	0.30	0.30	av.	=	2.28	cum
ch. 2360	1	x	4.20	x	(3.75+3.60)/2	x	3.68	0.20	0.20	av.	=	3.09	cum
ch. 2360	1	x	3.80	x	2.70	x	2.70	0.60	0.60	av.	=	6.16	cum
ch. 2360	1	x	1.10	x	0.90	x	0.90	0.40	0.40	av.	=	0.40	cum
ch. 2360	1	x	2.10	x	1.15	x	1.15	0.40	0.40	av.	=	0.97	cum
ch. 2400	1	x	1.10	x	0.90	x	0.90	0.40	0.40	av.	=	0.40	cum
ch. 2400	1	x	3.10	x	(0.90+2.10+0.95)/3	x	1.32	0.30	0.30	av.	=	1.22	cum
ch. 2410	1	x	4.00	x	(3.10+3.30+3.20)/3	x	3.20	0.30	0.30	av.	=	3.84	cum
ch. 2440	1	x	1.10	x	0.90	x	0.90	0.30	0.30	av.	=	0.30	cum
ch. 2450	1	x	3.30	x	(1.10+1.60+0.90)/3	x	1.20	0.30	0.30	av.	=	1.19	cum
ch. 2450	1	x	1.10	x	1.20	x	1.20	0.30	0.30	av.	=	0.40	cum
ch. 2470	1	x	3.80	x	(2.70+2.40+2.40)/3	x	2.50	0.50	0.50	av.	=	4.75	cum
ch. 2480	1	x	4.10	x	(3.60+3.70+3.60)/3	x	3.63	0.60	0.60	av.	=	8.94	cum
ch. 2480	1	x	3.60	x	1.90	x	1.90	0.40	0.40	av.	=	2.74	cum
ch. 2530	1	x	3.60	x	(3.50+2.10+1.90)/3	x	2.50	0.40	0.40	av.	=	3.60	cum
ch. 2550	1	x	2.50	x	1.90	x	1.90	0.40	0.40	av.	=	1.90	cum
ch. 2550	1	x	2.10	x	0.90	x	0.90	0.40	0.40	av.	=	0.76	cum
ch. 2570	1	x	1.90	x	1.80	x	1.80	0.20	0.20	av.	=	0.68	cum
								Total qty.			=	654.96	cum

Junior Engineer
R.W.D, Works Section,
Jhanjharpur

5.11.21

Assistant Engineer
R.W.D, Work sub Div.
Jhanjharpur

Executive Engineer
R.W.D (W) Division,
Jhanjharpur