(NABARD)

MB NO:— 1023

Schedule XLV-Form No. 134

योजना का नाम- MMGSY अन्तर्गत डुकली डांगी से ईचामारी पथ मे पुल DIVISION

निर्माण कार्य SUB-DIVISION

Measurement Book No. 1023

प्रमाणित किया जाता है कि इस मापि पुस्त में कुल 100 (एक सौ) मुद्रित दोहरे पृष्ट है। जो श्री प्रीतेन्द्र कुमार सहायक अभियंता, ग्रा०का०वि०कार्य अवर प्रमण्डल, ~~किशनगंज~~ के नाम से निर्गत किया जाता है।

8/3/20

कार्यपालक अभियंता
ग्रा०का०वि०, कार्य प्रमण्डल
किशनगंज-2

8/3/20

8/3/20

This MB No_1023, Re issued to Sri Rama Nand Yadav (J.E, Dighal Bank)

8/03/2020
AE.

Sch. XLV - Form No. 134

R.W.D. Kishanganj-2 DIVISION

R.W.D. Dighalbank SUB-DIVISION

Measurement Book

No. 1023

Name of officer _____

_____

Date of first entry _____

Date of last entry _____

6th CR A/c

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Construction of HL RCC Bridge 4 x 21.75 M over Kankai River in 2nd KM of Hublidangi to Ichamari Road under Dighal Bank Block.					
Agency = M/S Perfect Construction. Buxartown, Dt - Buxar.					
Agreement No. - 01/Nabard/SBD 2017-18.					
D.O. W/Start = 24-07-2018					
D.O. of completion = 23-07-2019.					
D/E = 22/12/2020.					

Record Measurement.

(1). S/F/F Steel Reinforcement in Superstructure for C.Bds.					
Side Girder	28mm	20mm	16mm	10mm	8mm
Bar MKD P_1 of 28mm dia 2x8 x23.438	= 375.008				
Bar MKD P_2 of 28mm dia 2x2 x 23.438	= 93.752				
Bar MKD q_1 of 28 mm dia 2x4 x25.318	= 980.110				
Bar MKD q_2 of 28 mm dia 2x2x 23.232	92.928				
Bar MKD q_3 of 28 mm dia 2x2 x20.632 =	82.528				

Continuation

846.76 M.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B/F		28mm 846.76	20mm	16mm	10mm 8mm
Bar MKD 94					
@ 28mm c/c					
2×2×17.874		= 71.496			
Bar MKD 95					
@ 28mm c/c					
2×2×15.274		= 61.096			
Bar MKD S_1					
@ 16mm c/c					
2×2×28.240			=	88.96	
Bar MKD S_2					
@ 16mm c/c					
2×2×22.260			=	89.024	
Bar MKD t_1					
@ 8mm c/c (2 in line @ 6mm c/c)					
2×28×22.260					= 1246.56
Bar MKD t_2					
@ 8mm c/c (2 in line @ 6mm c/c)					
2×2×22.240					= 88.96
Bar MKD U_1					
@ 10mm c/c					
4×57×4.756				=	1084.37
Bar MKD U_2					
@ 10mm c/c					
2×4×5×4.860				=	194.40
Bar MKD U_3					
@ 10mm c/c					
2×75×1.558				=	233.70
Bar MKD U_4					
@ 10mm c/c					
2×2×29×4.764				=	552.624
Bar MKD U_5					
@ 10mm c/c					
2×2×5×4.888				=	97.76
Bar MKD U_6					
@ 8mm c/c (2 in line @ 6mm c/c)					
2×25×1.035					= 51.75

Continuation

= 979.352 − 178.00 2162.854

= 1387.27

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		28mm	20mm	16mm 10mm 8mm	
Qty BTF =		979.352	-	178.60	1387.27 2162.854
Bar MKD W of 8mm dt (in line of 6mm dt) 2 x 50 x 0.750					= 75.00
Bar MKD A of 8mm dt (in line of 6mm dt) = 2 x 4 x 7.740					= 61.92
Middle Girder					
Bar MKD P_1 of 28 mm dt 1 x 8 x 23.438		= 187.504			
Bar MKD Q_1 of 28 mm dt 1 x 4 x 25.318		= 101.272			
Bar MKD 2 of 28 mm dt 1 x 2 x 23.232		= 46.464			
Bar MKD Q3 of 28 mm dt 1 x 2 x 20.632		= 41.264			
Bar MKD Q4 of 28 mm dt 1 x 2 x 17.874		= 35.748			
Bar MKD S_1 of 16mm dt 1 x 2 x 22.240				= 44.48	
Bar MKD S_2 of 16 mm dt 1 x 2 x 22.260				= 44.52	
Bar MKD t_1 Of 8mm dt (in line of 6mm dt) 1 x 28 x 22.260					= 623.28
Bar MKD t_2 of 6mm dt (in line of 6mm dt) 1 x 2 x 22.240					= 44.48
Bar MKD Q_2 of 10mm dt. 2 x 56 x 4.756				= 532.672	

Continuation

1391.604 — 267.00 . 2695.55

2191.95

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Qty B/F		28 mm dt 1391.604	16 mm dt 267.00	10 mm dt 2695.55	8 mm dt 2191.95
Bar MKD 42 of 10 mm dt					
1×2×2×5×4.860				= 97.20	
Bar MKD 43 of 10 mm dt					
= 1×75×1.558				= 116.85	
Bar MKD 44 of 10 mm dt					
= 1×2×29×4.764				= 276.312	
Bar MKD 45 of 10 mm dt					
= 1×2×4×4.888				= 39.104	
Bar MKD 46 of 8 mm dia bind					
1×25×1.035				=	25.875
Bar MKD W of 8 mm dt (@ line of 6 mm dt)					
1×50×0.750				=	37.500
Bar MKD A of 8 mm dt (@ line of 6 mm dt)					
1×4×7.740				=	30.96
	=	1391.604	267.00	3225.016	2286.285 M.
Wt @ kgm/m	@	4.839	1.58	0.617	0.395
Wt	=	6733.98	421.86	1989.83	903.083
Total	=	10048.75 kgm			
Add 5% for (applied on wt of tape)		502.44 kg			
		10551.186 kg			
		= 10.551 MT.			
22/12/20 J.E.					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
28/12/20.					
1. P/ Steel reinforcement in RCC – Super Structure C.3 OB					
Cross Girder		25mm	20mm	16mm	12mm (=) 10mm 8mm
Bar MKD a1 of 16mm dr 9 nos x	5.648			= 50.832	
Bar MKD a2 of 12mm dr 3 nos x	5.438				= 16.314
Bar MKD a3 of 25mm dr 6 nos x	6.305	= 37.83			
Bar MKD a4 of 25mm dr 6 nos x	6.305	= 37.83			
Bar MKD b1 of 12mm dr 6 x 7.5	36				= 45.216
Bar MKD b2 of 12mm dr 6 x 7.5	12				= 45.072
Bar MKD b3 of 25mm dr 6 x 8.4	90	= 50.94			
Bar MKD C1 of 20mm dr 12 x 7.	000		= 84.00		
Bar MKD C2 of 12mm dr = 15 x 5.	518				= 82.77
Bar MKD d1 of 10mm dr = 18 x 2.	936				(=) 52.848
Bar MKD d2 of 10mm dr 2 x 42 x 2.	786				(=) 234.024

Continuation

Bar MKD e1 of 8mm dr (in lined bounds) 18 x 5.250 = 94.50

Bar MKD B of 8mm dr " 12 x 2.930 = 35.16

Total = 126.66	84.00	50.832	189.372	286.872	129.66

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
B/F =	25mm	20mm	16mm	12mm	10mm	8mm
=	126.66	84.00	50.832	189.372	286.872	129.66
wt. kgm/m @	3.85	2.47	1.58	0.888	0.617	0.395
=	487.64	207.48	80.31	168.164	177.00	51.22
Total =		1171.813 kgm				
Adding 5% for wastage of lapping		58.590 kg				
		1230.40 kg				
	V	1.230 MT.				

28/12/20
S.E.

ABSTRACT OF COST. Etc etc

(1). E/W in excavation in founds.
vide THB Page 17 item (1)
= 1073.110 m^3 @ 99.99/- Rs. 107300=00.

2) P/x Constr. temporary earth island — do — etc.
vide THB Page 17 item (2)
= 3 nos @ 293261.58/- Rs 879785=00

3) P/ Service road etc — etc.
vide THB Page 17 item (3)
= 89.44 M @ 2895.15/m = Rs 258942 -

Continuation

Rs. 12,46,027=00.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	Rs.	12,46,027=00
4) P/ Steel liner for curbs 10 mm thick – do – C.306					
Vide T.H.B. Page 18 item 4					
= 12.3168 Mt @ 61429.97/Mt Rs.					756621=
5) Bored cast in situ M-35 grade — do — all C.306					
vide T.H.B Page 18 item (5)					
= 693.00 m³ @ 17224.34/m³ Rs.					11936468=
6) Dismantling of existing structures — do — all C.306					
Vide THB Page 18 item (6)					
= 24.438 m³ @ 930.21/m³ Rs.					22732=00
7) P/ laying of PCC M15 in levelling course – do – C.306					
Vide T.H.B. Page 18 item (7)					
= 23.993 m³ @ 7088.93/m³ Rs.					170085=00
8) P/ laying RCC M35 in pile cap – do – C.306					
Vide T.H.B. Page 18 item (8)					
= 512.082 m³ @ 8704.082/m³ Rs.					4457582=

Continuation

Rs. 1,85,89,515=00.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F ₹.		1,85,89,515=
9) S/P/F Steel Reinforcement to PxP - c.305					
vide THB Page 19 item (9)					
= 195.98 MT @ 52812.65/ ₹.					10350223=
10) P/RCC M-30 in Afw Shafts x pier Slabs - C305					
vide THB Page 19 item 10					
= 177.886 M3 @ 8845.22/ ₹.					1573441=
11) P/RCC M30 in Afw Shafts x pier Slabs Cap c.305					
vide THB Page 19 item (11)					
= 7.974 M3 @ 8845.22/M3 ₹.					70532=
12) S/M/F Elastomeric Bearing + Seismic pad - c.306					
vide THB Page 19 item 12					
= 322560.00 Cu.cm @ 1.01/- ₹.					325786=
13) P/Weep holes - c.306					
vide THB Page 19 item 13					
= 56 Nos @ 134.73/- ₹.					7545=00

Continuation ₹. 3,09,17,042=00

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F		Rs. 3,09,17,042=
14) S/R/F Steel Reinforcement in Substructure - C.S.O.E vide T.M.B. Page 20 item 14 = 31.146 MT @ 52931.83/-					Rs. 1648615=
15) Back filling behind P/W x cot vide T.M.B. Page 20 Item 15 = 158.69 M³ @ 678.88/ M³					Rs. 107731=
16) P/ filter media - C.S.O.E vide T.M.B. Page 20 item 16 = 26.82 M³ @ 4805.9 /M³					Rs. 128896=
17) P/ Hysd Bars Steel Reinf in Super Str. C.S.O.E vide TMB Page 26 item (17) = 10.551 MT ,, ,, 428 item (1) = 1.230 MT = 11.781 MT @ 53902.44/-					Rs. 635025=
18) P/ erecting dir. n place Signboard — C.S.O.E vide TMB Page 20 Item 18 = 1.80 M² @ 12955.27/M²					Rs. 23319=
			Continuation		Rs. 3,34,60,628=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B/F = Rs 3,34,60,628 =					
19) Const. of embank – c/o as vide THB Page 20 item 18 = 1485.00 cum @ 156.17/cum Rs					231912=00
20). P/ GSB in diversion c/o vide THB Page 21 item 18 = 72.00 cum @ 1863.56/cum Rs					134176=
21) Laying RCC NP3 H.P. –do– all c/o vide T.H.B. Page 21 item 20 = 10.0M @ 4487.48/- Rs					44875=00
22) Conducting continuous boring & sampling of soil –do– all c/o vide T.H.B. Page 21 item 21 = 150M @ 1000/- Rs.					1,50,000=
23). Initial pile load test vide THB Page 21 item 22 = 1 no @ 90,000/- Rs					90,000=
24) P/ Routine pile load test –do– all c/o vide THB Page 21 item 23					

Continuation

= 3 nos @ 60,000/- Rs. 1,80,000=

Rs 3,42,91,591=00.

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				3,	42,91,591=
Deduct 10% Agreement					3429159 =
				3,	08,62,432 =
Deduct Previous Bill paid Rpt 22 (-)				2,	79,70,984 =
			Rs.	28,	91,448/-
28/12/20 J.E			29/12/20 AB		CR

Continuation

Const. of HL Bridge over Kanki River in 2nd Km of Hublidangi To Ichamari Road
Under – NABARD

Const. of HL Bridge over Kanki River in 2nd Km of Hublidangi To Ichamari Road
Under – NABARD