M.M.(SY)
S C
PART- II

Rajai Bahara road to Amarpura
ROAD

Schedule XLV-Form No. 134

कार्यपालक अभियंता, कार्य प्रमंडल-बिहारशरीफ **DIVISION**

सहायक अभियंता कार्य अवर प्र० नं०- राजगीर **SUB-DIVISION**

MEASUREMENT BOOK

783

संवेदक → Amrit Raj Construction

प्रमाणित किया जाता है कि इस मापीपुस्त में कुल 100 एक सौ पृष्ठ अंकित है, जिसे सहायक अभियन्ता, कार्य अवर प्रमंडल- रफीगंज के नाम से निर्गत किया गया है।

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18/10

कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रमंडल दाउदनगर (औरंगाबाद)

18/10/21

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1.

Name of work -
Situation of work -
Agency by which work is executed -
Date of measurement -
No. and date of agreement
(These four lines should be repeated at the commencement of the measurements relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Const of the road from Rajoi Bahara road to Amarpura under MMGSY (SC) Scheme.					
Agency - Amrit Roy Construction					
Agreement No - 30SBD/MMGSY/SC/2021-22					
Date of work order - 25-08-2021					
Date of Completion 24-08-2022					
Agreement value - 5,68,48,181=00					
Record Entry					
Item No (1/1(i)) P/V and fixing Working Bench mark as per T/S - 3 Nos					
Item No (2/1(ii)) P/V and fixing reference pillar Comp. as per T/S ——— 9 Nos					
Item No (3/2) P/V clearing and grubbing Road land as per T/S —					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2X35X30.10X3.50 =					7350.10 m²
2X30X30.10X3.50 =					6300.10 m²
					13650=10 m²
				Say-	1.365 Hect
Item No 4/5 P/V const of embankment with approved Material as per IS					
25X30.10X(8.10+7.50/2 − 3.20+3.10/2)X0.50 =					1762.50 m³
20X30.10X(7.90+7.20/2 − 3.10+2.80/2)X0.45 =					1255.50 m³
20X30.10X(7.60+7.10/2 − 2.80+2.60/2)X0.40 =					1116.10 m³
					4134.10 m³
Item No 3/3 P/V excavation for roadway cutting Comp as per IS					
2X16X30.40X0.525X0.100 =					50.40 m³
2X1X20.10X0.525X0.100 =					2.10 m³
					52.50 m³
Item No 6/4 P/V const of embankment with approved Material deposited					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
ex Site from roadway					
Cutting comp as per TIS					
60% of 52.50 m³					31.50 m³
Kumar 12/5/2022 J.E					
Record Entry					
Item No 7 (6) P/V Const of Subgrade and earthen Shoulder comp as per TIS					
35 × 30.10 × 7.25 × 0.30 =					2283.75 m³
27 × 30.10 × 7.20 × 0.300 =					1749.60 m³
1 × 3.10 × 7.25 × 0.300 =					6.53 m³
					4039.88 m³
lead 10000m length					
30% of 4039.88 —					1211.96 m³
Item No (8/7) P/V Const of Subgrade and earthen Shoulder comp as per TIS					
70% of 4039.88 —					2897.92 m³
Kumar 15/5/2022 J.E					

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Record Entry					
Item No (9/8) Plv const of granular sub base comp as per T/S					
For Profile correction					
10	4.050	2.50	0.100	=	11.25 m3
5	5.10	2.10	0.100	=	5.10 m3
7	3.50	2.55	0.100	=	6.28 m3
8	2.50	1.90	0.100	=	3.80 m3
4	6.10	2.75	0.100	=	6.60 m3
For widening Portion					
2 x 16	30.10	0.525	0.100	=	50.40 m3
2 x 1	20.10	0.525	0.100	=	2.10 m3
For overlay					
16	30.10	4.05	0.100	=	194.40 m3
1	20.10	4.05	0.100	=	8.10 m3
25	30.10	4.05	0.200	=	607.50 m3
20	30.10	4.05	0.200	=	486.10 m3
4 x 15.10 x ((4.05+5.50+4.05)/3 − 4.05)			0.200	=	5.80 m3
2 x 12.10 x ((4.05+6.10+4.05)/3 − 4.05)			0.200	=	3.12 m3
					1390.32 m3

Kumar 20/5/2022 J.E

Attached item checked
Sd/- 21/5/22 AE

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Entry					
Item No (10/27) P/v Dismantling					
of existing cement					
Concrete Structure.					
4x3.50x1.14x0.15 =					2.39m^3
Item No (11/28) P/v Dismantling of					
existing masonry					
Structure —					
4x2x4.20x0.825x2.50 =					69.30m^3
Item No (12/29) P/v removing					
of all type Hume Pipe					
4x3x 2.50 m =					30.00m
Kumar 25/5/2022 J.E					
26/5/22 AE					
Record Entry					
4 Nos 600mm dia H.P					
Item No (13/20) P/v earthwork					
excavation for foundation					
Comp as per T/S					

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
H.W -	4	2	3.90	1.15	1.50 = 53.82 m³
Below pipe	4	1	5.350	1.13	0.365 = 8.83 m³
					62.65 m³
Item No 14/21 P/V P.C.C. M15 grade Concrete in Open foundation as per IS					
H.W.	4	2	3.90	1.15	0.150 = 5.38 m³
Below pipe	4	1	5.311	1.13	0.250 = 6.00 m³
					11.38 m³
Kumar 29/5/2022 J.E.					

Record Entry

Item No 15/25 P/V and laying R.C.C. pipe N.P3 for Culvert as per IS					
4	3	2.50 m =			30.00 m
Item No 16/22 P/V PCC/ RCC M20 grade Concrete in Sub Structure comp as per IS					
H.W	4	2	3.60	0.70	2.78 = 56.04 m³
Parapet	4	2	3.60	0.40	0.60 = 6.91 m³
					62.95 m³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			BF-		62.95 m³
Less for bipe	4	2	0.785	0.83	
				X 0.53 = (-)	2.29 m³
					60.66 m³

Akumar
31/5/2022
J.E

Record Entry
2 No 06/1000m H.P.

Item no (17/20) P/V earthwork for excavation for foundation

H.no.	2	2	6.450	1.40	1.50	= 54.18 m³
Below bipe	2	1	4.85	1.53	0.365	= 5.42 m³
						59.60 m³

Item No (18/21) P/V P.C.C. M15 grade in open foundation Comp as per T/S

H.no.	2	2	6.450	1.40	0.150	= 5.42 m³
Below bipe	2	1	4.93	1.53	0.250	= 3.77 m³
						9.19 m³

Akumar
5/6/2022
J.E

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Record Entry.					
Item No (19/24) Plv and laying 1000mm dia R.C.C. pipe N.P.3					
2 X 3 X 2.50m =					15.00m
Item No (20/22) Plv PCC/RCC M20 grade Concrete in Sub Structure. Comp as per TS					
H.W - 2 X 2 X 6.150 X 0.825 X 3.1					80264.544 m³
Parapet - 2 X 2 X 6.15 X 0.40 X 0.60 =					5.90 m³
					70.44 m³
Less for pipe 2 X 2 X 0.785 X 1.23 X 1.23 X 0.622 =					2.96 m³
					67.48 m³
~~Item No~~					
Item No (21/24) Plv and fixing MMG Sy Logo Board					2 NOS
~~Item No~~					
	Akumar 8/6/2022 J.E				Approved 9/6/22 AE

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Abstract of cost				
(1/152) Plv and fixing working Benchmark —					
3 Nos vide TMB Page (1)					
@ Rs 3610=27/each —				Rs	10831=00
(2/153) Plv and fixing reference Pillar —					
9 Nos vide TMB Page (1)					
@ Rs 1648=45/each —				Rs	14836=00
(3/2) plv cleaning and Grubbing road land					
1.365 Hect vide TMB Page (2)					
@ Rs 53879=81/Hect —				Rs	73546=00
(4/3) plv excavation for roadway cutting					
52.50 m³ vide TMB Page (2)					
@ Rs 75=61/m³ —				Rs	3970=00
(5/4) Plv Const of embankmt roadway cutting					
31.50 m³ vide TMB Page (3)					
@ Rs 26=71/m³ —				Rs	841=00
(6/5) Plv const of embankmt with approved Material					

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
4134.40 m³ vide TMB Page (2)					
@ Rs 143=30/m³ — Rs 592402=00					
(7/6) P/V Const of Subgrade and earthen shoulder Lead 100m Length.					
1211.96 m³ vide TMB Page (3)					
@ Rs 192=10/m³ — Rs 232818=00					
(8/7) P/V Const of Subgrade and earthen shoulder Lead 100m Length					
2897.92 m³ vide TMB Page (3)					
@ Rs 131=29/m³ — Rs 380468=00					
(9/8) P/V Const of G.S.B. 1390.32 m³ vide TMB Page (4)					
@ Rs 2023=32/m³ — Rs 2813062=00					
(10/14) P/V and fixing MMGSY logo Board. 2 Nos vide TMB Page (8)					
@ Rs 9495=93/each — Rs 18992=00					
(11/20) P/V earthwork excavation for foundation.					
62.65 m³ vide TMB Page (6)					
59.60 m³ vide TMB Page (7)					
122.25 m³					

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
@ Rs	283	=94	/m³	— Rs	34712=00
12/21	P/V P.C.C M15 Grade in open foundation				
	11.38 m³ vide TMB Page (6)				
	9.19 m³ vide TMB Page (7)				
	20.57 m³				
@ Rs	4479	=56	/m³	— Rs	92145=00
13/22	P/V PCC/RCC M20 Grade for substructure				
	60.66 m³ vide TMB Page (7)				
	67.48 m³ vide TMB Page (8)				
	128.14 m³				
@ Rs	5180	=98	/m³	— Rs	663891=00
14/24	P/V and laying R.C.C. pipe N.P. 3				
	15.00 m vide TMB Page (8)				
@ Rs	3650	=20	/m	— Rs	54753=00
15/25	P/V and laying R.C.C. pipe N.P. 3				
	30.00 m vide TMB Page (6)				
@ Rs	2034	=82	/m	— Rs	61045=00
16/27	P/V Dismantling & existing Concrete Structure				

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2.39 m³ vide MB Page (5)					
@ Rs 503.88/m³ — Rs					1204.00
(17/28) P/V Dismantling Existing masonry Structure					
69.30 m³ vide MB Page (5)					
@ Rs 237.67/m³ — Rs					16471.00
(18/29) P/V removing Hume pipe.					
30.10 m vide MB Page (5)					
@ Rs 184.27/m — Rs					5528.00
			Rs	507515.00	
Add 12% GST — Rs					60858.00
Add 1% L. Cess — Rs					5071.00
Add S.F — Rs					43234.00
			Rs	577046.00	

Material Statement

Earthwork — 8243.85 m³
Stone Metal — 1167.87 m³
Sand — 500.52 m³
Stone chip — 133.84 m³
Coarse Sand — 66.92 m³

8/6/2022 J.E

Continuation

8/6/2022 J.E