Kyapur Mithupur to Tarapur Shanti Nagar

Shedule XLV Form No. 134.

Agency - Smt VINDU Devi

DIVISION

Nanhal

SUB-DIVISION

M M G S Y (SC)

Measurement Book

M. B. No — 1017

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प्रमाणित किया जाता है कि रस्त
मापी पुस्त में कुल मुद्रित 100
(एकसौ) पृष्ठ है। इस मापी
पुस्त को सहायक अभियन्त
नरहट के नाम से निर्गत
किया जाता है।

Executive Engineer
R.W.D. Works Dvn.
Rajauli

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1st on A/c Bill

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 road from Kyapur Mithupur to Tarapur Shanti Nagar					
Agency - Smt Vindu devi					
Ag. No - 22 SBD/MMGSY/2020					
Work-order Issued - 17.08.2020					
Length - 0.650 KM.					
Rate - 15.11% below as per Ag.					
Head - MMGSY (SC)					
		—			
1. P/r and Fixing working benchmark				— 1 No.	
2. P/r and Fixing ref Pillar - 2 Nos.					
3. clearing and grubbing road Lumel					
2 x 10 x 30 M x 2 M				1200 M²	
2 x 5 x 30 M x 4 M				1200 M²	
2 x 3 x 30 M x 1 M				180 M²	
				2580 M²	
				≈ 0.26 Hect.	
4. Const of embankment Lead up to 1000 mtr.					
2 x 3 x 30 M x 1.0 M x 0.25 M - 45 M³					
2 x 5 x 30 M x 1.0 M x 0.21 M - 63 M³					
				108 M³	
5. Const of embankment Lead up to 1000 mtr.					

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
25M X $\frac{(8+7.5)}{2}$ M X 1.3M = 251.8M³					
30 X 3M	X 0.25M				22.5M³
27M X 4M	X 0.8.30m				32.4M³
					306.7M³
6. Const of Substructure and Superstructure					
10X3.0M	X $\frac{(7.8+6.8)}{2}$ M X 0.30m				65.7M³
7. Const of Substructure as per bond of material					
30M X $\frac{6+4.05}{2}$	M X 0.200m				30.15M³
8 X 30M	X 4.05M X 0.200m				194.4M³
10M X $\frac{5.5+4.05}{2}$	M X 0.2m				9.55M³
20M X 4.05M	X 0.200m				16.2M³
					250.3M³
in PCC Portion Grade I					
30M X	3.75M X 0.100m				11.25M³
10M X	4M X 0.10M				4M³
20M X	3.75M X 0.10m				7.5M³
15M X	$\frac{4.5+3.75}{2}$ M X 0.1m				8.2M³
15M X	3.75M X 0.1m				5.63M³
30M X	$\frac{6+5+3.75}{3}$ M X 0.1m				14.75M³
2 X 30M	X 3.75M X 0.1m				22.5M³
1 X 20M	X 3.75M X 0.1m				7.5M³
			(81.33M³)		1.63M³
8. Excavation for foundation & plinth					
2 X 4 X 30M	X 0.375M X 0.1m				9M³
2 X 3M	X 0.375M X 0	m			0.23M³
					9.23M³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
9. Const of Gr SB-I in Sup Cutting					
side item No 8					9.03 M³
side item No 7					331.83 M³
Total Gr SB-I					340.86 M³
10. P/r laying spreading and Compacting WBM-III					
30M x (6 + 3.75) m x 0.075m					10.97 M³
8 x 30M x 3.75M x 0.075m					67.5 M³
1 x 30M x 3.75M x 0.075m					8.43 M³
8 x 30M in PCC Position					
Area of Gr SB-I					
	81.33 M³ ÷ 0.1 m				813.3 M²
					x 0.075M
WBM III (PCC Portion)					60.99 M³
in Sup Cutting					
4 x 30M x 0.375M x 0.025m					3.38 M³
1 x 3M x 0.375M x 0.025m					0.1 M³
					151.37 M³
11. Construction of RCC reinforced Cement Concrete Pavement measurement by ft and calculation M³					
L (ft)	B (ft)	Area (ft²)			
30	x 15.2	456 ft²			
27	x 12.4	334.8 "			
63	x 12.4	781.2 "			
63	x 13.4	844.2 "			
33	x 12.4	409.2 "			
37	x 12.4	458.8 "			

Continuation

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Particulars	Details of actual measurement			Contents of area
	No.	L	B.	
	36	x 15.4	= 554.4	
	47	x 21.2	996.4	
	22	x 21.4	470.8	
	28	x 12.4	347.2	
	88	x 14.4	1267.2	
	25	x 14.3	357.5	
	196	x 12.4	2430.4	
	15	x 16.2	243.0	
	32	x 11.00	352.00	
	52	x 15.6	811.2	
	18	x 12.4	223.2	
	38	x 12.4	471.2	
	23	x 13.5	310.5	
	52	x 14.4	2468	
	14	x 14.00	196	
	25	x 18.00	450	
	28	x 13.10	366.8	
	23	x 12.4	285.2	
			14165.2	
		= 1309		

1309 m² x 0.16 m = 209.4 m³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
H.P Culvert 1 x 1000MM ϕ					
1. E/w in excavation for foundation					
2 x 6.45M x 1.4M x 1.5M					29.09 M³
1 x 4.85M x 1.5M x 0.36M					2.70 M³
					29.8 M³
2. P/W PCC M15 Levelling Course					
2 x 6.45M x 1.4M x 0.15M					2.709 M³
1 x 4.531M x 1.53M x 0.25M					1.886 M³
					4.60 M³
3. P/W PCC M20 in Substructure					
2 x 6.15M x 0.525M x 3.18M					32.26 M³
2 x 6.9M x 0.9M x 0.6M					2.952 M³
Less for Pipe 2 x 6.9857 x 1.23M x 0.66M					(-) 1.47 M³
					33.74 M³
4. P/W RCC NP3 HPC 1000MM ϕ					
H.Pipe - 3 x 2.5M					7.5M
5. Parapet on Parapet wall					
2 x 6.15M x 0.9M					4.92 M²
4 x 6.15M x 0.6M					14.76 M²
4 x 0.9 x 0.6M					0.96 M²
					20.64 M²
RCC Slab Culvert					
1 No x 5M x 2M roadway					
1. E/w excavation for foundation					
2 x 5.2M x 2.2M x 1.8M					20.59 M³
1 x 4.6M x 2.2M x 1.8M					18.26 M³
1 x 5.2M x 2.2M x 0.2M					2.29 M³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1. Cutt-off wall					
	2	11.2M	1M	1.8M	40.32 M³
	2	0.6M	1M	1.8M	2.16 M³
	2	2.1M	1M	1.8M	7.56 M³
	1	9.2M	0.6M	0.28M	1.38 M³
	1	9.2M	2.1M	0.28M	4.83 M³
					181.09 M³
2. Sand filling in foundation					
	8.9M	4.625M	0.1M		4.12 M³
3. P/V PCCM-15 in open foundation (Levelling Course)					
	2	9.3M	2.7M	0.2M	10.4 M³
	4	1.6M	2.88M	0.2M	3.19 M³
	1	8.9M	4.72M	0.15M	6.02 M³
Cutt-off wall					
	2	11.2M	3.0M	0.15M	3.36 M³
	2	0.6M	3.0M	0.15M	0.18 M³
	2	2.1M	1M	0.15M	0.63 M³
	1	11M	1.5M	0.15M	2.48 M³
	1	11M	3M	0.15M	4.95 M³
					31.14 M³
4. P/V PCCM-15 in open foundation					
	2	8.9M	2.25M	1.6M	57.79 M³
	4	1.6M	1.93M	1.6M	19.85 M³
	2	11M	5.38M	1.5M	49.37 M³
	2	9.93M	0.538M	1.5M	1.61 M³
	2	2.4M	0.538M	1.5M	4.32 M³
					102.88 M³
5. PCCM-15 in Substructure					
	2	11.2M	1.5M	1.8M	31.08 M³
	4	1.6M	0.6M	1.8M	15.48 M³
					46.56 M³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6. Plain/Reinforced Cement Concrete					
M-20					
2 X 7.5M	X 0.7M	X 0.2M		2. MM	
2 X 7.5M	X 0.3M	X 0.43M		1.94MS	
2 X 11M	X 0.4M	X 0.6M		5.28MS	
				9.32MS	
7. Supplying fitting and placing					
Fe 500 bar					
20MM ϕ Main bars 200mm c/c					
75Nos	X 5.62M @ 2.46			= 1036Kg	
D/bar	12MM 150MM c/c				
37Nos	X 7M @ 0.89			= 230.5Kg	
Total	10MM dia 150MM c/c				
	50Nos X 5.62M @ 0.62			= 173Kg	
	37Nos X 7M X 0.617Kg			= 159.8Kg	
				1599.3Kg	
Cap and	D/wall 4	X 0.3M	X 0.3	= 282.7MS	
				1881Kg	
				= 1.8MT	
8. For RCC M20 in deep slab					
7.5M	X 3.76M	X 0.43M		18.58M³	
9. For filling plinth					
	2 X 7.5M			25MM.	
For weep hole 28Nos.					
10. For dismantling	4Nos				
Plastering on Parapet wall					
2 X 11M	X 0.4M			8.8M²	
4 X 11M	X 0.6M			26.4M²	
4 X 0.4M	X 0.6M			0.96M²	
				36.16M²	

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12. PN fixing		mmhay		board	– 2Nos
Sn 15/05/2014					
Ok					

1st on A/c Bill

ABSTRACT OF Cost

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. P/v fixing working bench mark.					
Qty Page No-1					
1No @ 3908.86/each					3909.00
2. P/v fixing ref Pillar					
Qty Page No 1					
2Nos @ 1758.84/each					3518.00
3. Clearing and grubbing road land					
Qty Page No-1					
0.26 Het @ 51133.76/H					13295.00
4. Box cutting					
Qty Page No					
1.23M³ @ 74.16/M³					684.00
5. Const of embankment lead up to 1000Mtr					
Qty Page No-1					
108M³ @ 188.05/M³					20309.00
6. Const of embankment lead up to 100Mtrs.					
Qty Page No-2					
306.7M³ @ 142.17/M³					43603.00
7. Const of Subgrade and E/shoulder					
Qty Page No-2					
637M³ @ [illegible]/M³					124757.00
8 Const of [illegible]					
Qty Page No [illegible]					
[illegible]					511188.00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9. P/W Laying, Spreading around Coup (a) BOQ-III.					
Qty Page No 2, 38.4					
151.39 M² @ 150.47/M²					33122980
10. P/W Const of 40-mm Cement Conc Pavement M30					
Qty Page No 4					
20 cm. 4 M² @ 5536.13/M²					1159278=00
11 P/W fixing MM Boy Board					
Qty Page No 8					
2 Nos @ 9227.03/each					18454=00
12 E/W excavation for Drain					
Qty Page No 5 & 6					
210.39 M³ @ 209.73/M³					62156=00
13. P/W PCC M-15					
Qty Page No 5 & 6					
138.62 M³ @ 4052.63/M³					561763=00
14 P/W PCC in Drain					
Qty Page No 5 & 6					
85.6 M² @ 4737.39/M²					405482=00
15. P/W Laying RCC/PC 1000 MM ϕ H-Pipe					
Qty Page No 5					
35 M @ 3600.65/M					29377=00
16. Sand filling in Drain					
Qty Page No 6					
1 No @ 3493.49/M²					1970=00

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
17. R C C M- 25 in Deck Slab					
Qty Page No 7					
18. 58 M³ @ 5731.57/M³					1069.95=00
19. Supplying HYSD bar					
Placing HYSD bar					
Qty Page No 7					
1.8 MT @ 55211.35/MT					99380.20
20. Plg weep hole					
Qty Page No 7					
28 Nos @ 119.20/each					3340.00
21. Plg and filling joints					
Qty Page No 7					
15M @ 40.16/M					602.40
22. Plg D/Spans					
Qty Page No 7					
4 Nos @ 442.00/each					1768.00
23. Painting on Parapet wall					
Qty Page No 527					
56.8 M² @ 97.15/M²					5520.20
				R	35,06,358.00
Add 12% GST (+)					4,20,762.00
Add 1% L. cess (+)					35063.00
				A	39,62,183.00
Less 15.10%					(-) 5,98,085.00
				A	33,64,098.00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		[illegible]	33, 63, 498		

Materials- statements

(i) R/W = 1080.00 M³

(ii) Stone Metal = 430.3 M³

(iii) S. Material = 103.9 M³

(iv) Stone chipps = ~~443.45 M³~~ 336.60 M³

(v) Sand = 172.2 M³