

Sch. XLV - Form No. 134

Executive Engineer R.W.D. DIVISION
Daudmagan

Assistant Engineer R.W.D. SUB-DIVISION
(R.W.D.) 0629

Measurement Book

No. *669*

Name of Officer _____

Date of first entry _____

Date of last entry _____

प्रमाणित किया जाता है, कि इस
 मासिक में कुल 10 (दस) पृष्ठ हैं जिसे
 संलग्न अभिलेख, प्रमाणित कर दिया गया, जो
 उनके INDEX में और के PAGE में
 दिया जाता है

21/2/21
 Executive Engineer
 R.W.D. Works Division
 Daydnagar (A. bad)

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PAGE

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

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work:- Kharakhi Dhabadi					
Road To Paryag Righa					
Agency:- B. Vinodh Kumar Singh					
Agreement no:- 83/MHGS/2020-21					
Date of Commencement:- 29-06-2021					
Date of Completion:- 28-10-2021					
Record Measurement					
1/ Setting out work					
(a) Bench mark pillar = 2 nos					
(b) Reference pillar = 5 nos					
2/ Clearing and grubbing road					
Land	2 x 10	30.00 x 3.50	=	2100.00 m ²	
	2 x 10	30.00 x 3.50	=	2100.00 m ²	
	2 x 10	30.00 x 3.50	=	2100.00 m ²	
	2 x 10	30.00 x 4.00	=	2400.00 m ²	
	2 x 3	25.00 x 4.00	=	600.00 m ²	
				9300.00 m ²	
				= 0.930 Ha	
3/ PAF Logo of MHGSV = 2 nos					
4/ E/c in excavation in Box					
Cutting	2 x 10	30.00 x 0.375 x 0.175	=	39.375 m ³	
	2 x 4	25.00 x 0.375 x 0.175	=	13.125 m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2	17	10.00	0.375	$\times 0.175 = 1.3125$
	2	9	30.00	0.575	$\times 0.10 = 28.35$
	2	1	16.00	0.525	$\times 0.10 = 1.68$
					83.855

5/ Cost of embankment with material obtained from Borrow pit

$$60\% \text{ of } 83.855 \text{ m}^3 = 50.313 \text{ m}^3$$

6/ Disturbance of existing structure

(a) PCC

$$1 \times 3.50 \times 1.14 \times 0.15 = 0.60 \text{ m}^3$$

(b) Stone/Brick masonry

$$2 \times 4.20 \times 0.825 \times 2.50 = 17.33 \text{ m}^3$$

(c) H.P. of up to 600mm dia

$$1 \times 7.50 = 7.50 \text{ m}$$

7/ P & L 300mm dia duct pipe

$$4 \times 3 \times 2.50 = 30.00 \text{ m}$$

8/ E/W in excavation for foundation

$$\text{H.W. } 2 \times 2 \times 6.45 \times 1.90 \times 1.50 = 54.18 \text{ m}^3$$

$$\text{Bibor pipe } 2 \times 4.850 \times 1.53 \times 0.365 = 5.416 \text{ m}^3$$

$$59.596 \text{ m}^3$$

9/ Providing PCC 1:1.5 grade

leveling concrete

$$\text{H.W. } 2 \times 2 \times 6.45 \times 1.90 \times 0.15 = 5.418 \text{ m}^3$$

$$\text{Bibor pipe } 2 \times 1 \times 4.931 \times 1.53 \times 0.25 = 3.772 \text{ m}^3$$

$$9.19 \text{ m}^3$$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10/ P/L R/C/NP 9100mm dia 4R					
		2x3	2.50		= 15.00 m ²
11/ P/L Merged in existing					
Conc					
H.W	2x2	6.15	$\frac{1.25+0.9}{2}$	13.8	= 64.538 m ³
Leak pipe	2x2	0.7857	1.23	0.62	= 12.957 m ³
Parpet	2x2	6.15	0.40	0.60	= 5.904 m ³
					67.485 m ³
12/ Cost of Upgrade					
	8x30.00	7.276	0.30		= 523.872 m ³
	1x15.00	7.276	0.30		= 32.742 m ³
					556.614
(a) For lead upto 1000m					
30% of 556.61 m ³					= 166.98 m ³
(b) For lead upto 100m					
70% of 556.61 m ³					= 389.63 m ³
13/ Cost of Gull GRT					
	5x30.00	3.75	0.10		= 56.25 m ³
	1x22.00	3.75	0.10		= 8.25 m ³
	1x26.00	3.75	0.10		= 9.75 m ³
	4x30.00	3.75	0.10		= 45.00 m ³
	1x10.00	3.75	0.10		= 3.75 m ³
	2x3x25.00	0.52	0.10		= 7.875 m ³
	2x2x30.00	0.75	0.10		= 9.00 m ³
	2x3x30.00	0.60	0.10		= 10.80 m ³
	2x1x4.00	0.52	0.10		= 0.42 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For OT	2	10	30.00	0.525	$0.10 = 31.50 \text{ m}^3$
	2	10	30.00	0.521	$0.10 = 31.50 \text{ m}^3$
	2	2	10.00	0.750	$0.10 = 3.00 \text{ m}^3$
	2	10	30.00	4.05	$0.10 = 213.00 \text{ m}^3$
	2	10.00	4.50	0.10	$= 9.00 \text{ m}^3$
For profile	19	3.40	1.60	0.10	$= 10.336 \text{ m}^3$
Corrected	17	2.80	1.90	0.10	$= 9.044 \text{ m}^3$
	18	3.20	2.20	0.10	$= 12.672 \text{ m}^3$
	12	2.50	1.50	0.10	$= 4.50 \text{ m}^3$
	18	1.80	1.20	0.10	$= 3.888 \text{ m}^3$
	13	4.20	1.10	0.10	$= 6.006 \text{ m}^3$
	14	4.50	2.50	0.10	$= 15.75 \text{ m}^3$
	16	3.50	2.50	0.10	$= 14.00 \text{ m}^3$
	17	4.60	2.80	0.10	$= 21.89 \text{ m}^3$
					567.81 m^3
19/ p 42 WBM GUTTI	5	30.00	3.75	0.075	$= 42.187 \text{ m}^3$
	1	22.00	3.75	0.075	$= 6.187 \text{ m}^3$
	1	26.00	3.75	0.075	$= 7.312 \text{ m}^3$
	2	3	25.00	0.525	$0.075 = 5.906 \text{ m}^3$
	2	2	30.00	0.75	$0.075 = 6.750 \text{ m}^3$
	2	3	30.00	0.525	$0.075 = 7.087 \text{ m}^3$
	2	1	4.00	0.525	$0.075 = 0.315 \text{ m}^3$
	10	30.00	3.75	0.075	$= 84.375 \text{ m}^3$
	10	30.00	3.75	0.075	$= 84.375 \text{ m}^3$
	2	10.00	4.50	0.075	$= 6.75 \text{ m}^3$
					261.249 m^3

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15/ Cont. of unreinforced joint					
CC Pavement					
	3	25.00	3.75	0.16	= 45.00 m ³
	2	30.00	4.50	0.16	= 43.20 m ³
	3	30.00	3.75	0.16	= 54.00 m ³
	1	4.00	3.00	0.16	= 192.00 m ³
	1	26.00	4.00	0.16	= 16.64 m ³
	3	30.00	3.75	0.16	= 54.00 m ³
	1	10.00	3.75	0.16	= 6.00 m ³
	3	30.00	3.75	0.16	= 54.00 m ³
	1	5.00	3.75	0.16	= 3.00 m ³
					277.76 m ³
Shubs 25-10-21					

Abstract of Cost

1/1 Setting out work					
(a) Bench mark pillars					
at 10 wide iden no (2) P(2)					
					= 2 nos
@ 3799.38					= Rs 7598.00
(b) Reference pillar					
at 10 wide iden no (2) P(2)					
					= 5 nos
@ 1717.08					= Rs 8585.00
2/2 Clearing and grubbing					
at 10 wide iden no (2) P(2)					
					= 0.93 Ha
@ Rs 51133.76					= Rs 47554.00

Continuation 63737.7

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3/17 P4F L 2006 H M GSV					
avg. vide item no. 131 P(1)					
				= 2.1.8	
@ 14 9176.75				= 15	18353.00
3/3 E/C in calculation in box cutting					
avg. vide item no. 141 P(1)					
				= 83.855.4	
@ 14 74.16				= 15	6218.00
5/4 Costing embankment with material obtained from box cutting					
avg. vide item no. 151 P(2)					
				= 50.313.4	
@ 14 96.11				= 15	1313.00
6/ Disturbance of existing					
@ 1/30 P.C.C.					
avg. vide item no. 61 P(2)					
				= 0.60.4	
@ 14 484.74				= 15	290.00
(b)/31 Brick/stone masonry					
avg. vide item no. 61 P(2)					
				= 17.33.3	
@ 14 231.77				= 15	4016.00
(c)/32 H.P. up to 600mm dia					
avg. vide item no. 61 P(2)					
				= 7.50.4	
@ 14 174.78				= 15	1310.00

95531.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7/24 P&L 300m dia RCC drain pipe					
Qty vide item no. (7) P(2)					
				= 30.00m	
@ Rs 883.14				= Rs	26494.00
8/25 E/c in excavation in foundation					
Qty vide item no. (8) P(2)					
				= 99.596m	
@ Rs 269.32				= Rs	16051.00
9/26 P&L M/s P/L for leveling 600m					
Qty vide item no. (9) P(2)					
				= 9.19m ²	
@ Rs 4513.82				= Rs	41527.00

10/18 P&L RCC drain pipe					
Qty vide item no. (10) P(3)					
				= 15.00m	
@ Rs 3670.65				= Rs	55060.00
11/27 P&L P/L Main Substructure					
Qty vide item no. (11) P(3)					
				= 67.98m	
@ Rs 5288.91				= Rs	356895.00
12/ Cont. of Subgrade					
(a)/7 For Lead up to work					
Qty vide item no. (a) P(3)					
				= 166.98m	

Continuation

591558/1

