

WMS-1

KADIYANI KHURD TO HEMTA

Schedule XLV-Form No. 134

Office of the Executive Engineer

R.M.D. WORKS DIV. DAUDNAGAR DIVISION

સાધારણ અધિકારી અને પ્રમુખ અધિકારી **SUB-DIVISION**

MEASUREMENT BOOK

801

સાધારણ અધિકારી અને પ્રમુખ અધિકારી

Sch. XLV-Form No. 134

EE RLID DAUDNAGA DIVISION

Asst. Eng. HASPURA SUB-DIVISION

Measurement Book

NO. 801

Name of officer EXECUTIVE ENGINEER

Date of first entry 10 MAY 2018

Date of last entry 12 JUL 2018

प्रमाणित किया जाता है कि इस बापिपुस्त
में कुल 100 (मौ) पृष्ठ संकित है, जिसे
सहायक अभियंता, आजीवन कार्य विभाग कार्य
अव प्रमण्डल औद्योगिक के नाम से निर्गत
Sch. XLV-Form No. 134
किया जाता है

NOTES

REFERENCE TO P.W.A CODE CHRI. VII

Paras 39 & 81

In recording detailed measurements the following general instruction should be carefully observed:

- [a] Subject to such subsidiary orders as may be laid down by the local Government, measurement should be recorded only by Executive or Assistant Engineer or by Executive subordinate in-charge or work to whom measurement book have been supplied to the Executive Engineer for the purpose :
- [b] All measurements should be neatly taken down in a measurement book Form 23, issued for the purpose in where else.
- [c] Each set of measurement should commence with entries stating—
- [i] In the case of bills for work done :—
- (a) Full name of work as given in estimate.
 - (b) Situation of work (c) Name of contractor.
 - (c) Number and date of his agreement, and
 - (d) Date of measurement.
- [ii] In the case of bills for supply of materials :—
- [a] Name of supplier, [b] number and date of his agreement for order, [c] purpose of supply in one of the following forms applicable to the case—
- [i] "Stock" [ii] "Purchase for direct issue to [here enter full name of work as given to estimate]

[iii] "Purchases" or [here enter full name of work as given in estimate]

Issued to contractor _____ and
on _____

- [d] Date of measurements and should end with the dated initials of the officer marking the measurement, (See all paragraph 24)
- A suitable abstract should than be prepared which/ Should collect in the case of measurements for work done the total quantities of each district item of work relating to each sanctioned Sub-head.
- [e] As all payment for work suppliers based on the quantities recorded in the measurement book it is incumbent upon the person taking the measurements to record the quantities clearly and accurately. If measurements are taken in connection with a running contract account on which work has been previously measured he is further responsible (1) that reference

1st on P/C Bill

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).

(These details of the measurements relating to each work).					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
Name of work:- Construction and Five Year maintenance of Road from Kadiyahi Khurd To Herta.					
Agency:- Sri Babbar Kumar Ojha.					
Agreement no:- 14 SBD/MMGSY SC/2020-21					
Date of Commencement:- 14-06-2020					
Date of Completion:- 11-03-2021					
Agreement Value:- 60245424/127.00					
Record Measurement					
1/ Setting out pillar					
(a) Bench Mark pillar = 1 No					
(b) Reference pillar = 2 Nos					
2/ providing and fixing					
MMGSY Logo board = 2 Nos					
3/ Clearing and grubbing					
Road land					
2X10X30.00X3.50 =					2100.00 m ²
2X10X30.00X3.50 =					2100.00 m ²
2X4X30.00X4.00 =					960.00 m ²
2X1X13.00X3.50 =					91.00 m ²
					5215.00 m ²
					= 0.52 Ha
4/ Discontinuation of old					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Structure					
(a) Plain concrete					
	4 X 1	2.50 X 1.4 X	0.15		2.40 m ²
(b) Stone brick masonry					
	4 X 2 X 4 X 20	0.825 X 2.50 X			69.32 m ²
(c) H.P. upto 600mm dia					
	4 X	7.50			= 30.00 m
H.P. cast 600mm dia					
5/	7 X 2 X	3.90 X 1.15 X 1.50			
5/ Blk in excavation for foundation					
	7 X 2 X	3.90 X 1.15 X 1.50			94.18 m
	7 X 1 X	5.35 X 1.13 X 0.365			15.496 m ²
					109.631 m ²
6/ providing PCC Ms in levelling course					
	7 X 2 X	3.90 X 1.15 X 0.15			9.418 m ²
	7 X 1 X	5.31 X 1.13 X 0.25			10.502 m ³
					9.418 m ²
					19.92 m ²
7/ providing and laying 600mm dia HP 3 H.P.					
	7 X 3 X	2.50			= 52.50 m
8/ providing PCC Ms grade in substructure					
	7 X 2 X	3.60 X $\frac{1.00 + 0.90}{2}$		X 2.8	= 98.078 m ²
Leaving	7 X 2 X	0.735 X 0.830		X 0.530	= 4.016 m ²
Parapet	7 X 2 X	3.60 X 0.40 X 0.60			= 12.096 m ³
					106.158 m ²

Shute
15-22

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9/ Construction of Subgrade					
		7 X 10.00 X 7.276 X 0.30 =			152.796 m ³
(a) Furr lead up to 1000 m					
30% of 152.796 m ³					= 45.838 m ³
(b) Furr Lead up to 100 m					
70% of 152.796					= 106.957 m ³
10/ Cost of G.R.B with Grading					
Material I					
1 X 10.00 X 5.00					
1 X 10.00 X $\frac{(5.00 + 4.75)}{2}$ X 0.10 =					4.575 m ³
2 X 30.00 X 3.75 X 0.10 =					22.50 m ³
1 X 13.00 X 4.25 X 0.10 =					5.525 m ³
1 X 10.00 X 4.00 X 0.10 =					4.00 m ³
10 X 30.00 X 4.05 X 0.20 =					243.00 m ³
1 X 17.00 X 4.56 X 0.20 =					15.504 m ³
1 X 13.00 X 4.60 X 0.20 =					11.96 m ³
9 X 30.00 X 4.05 X 0.20 =					218.70 m ³
1 X 10.00 X $\frac{(5.00 + 4.50)}{2}$ X 0.20 =					9.50 m ³
					535.264 m ³
11/ P.A.L. work Gr III					
1 X 10.00 X $\frac{(5.00 + 4.15)}{2}$ X 0.075 =					3.43 m ³
2 X 30.00 X 3.75 X 0.075 =					16.875 m ³
1 X 13.00 X 4.05 X 0.075 =					3.998 m ³
1 X 10.00 X 4.00 X 0.075 =					3.00 m ³
10 X 30.00 X 3.75 X 0.075 =					84.375 m ³
1 X 17.00 X 4.26 X 0.075 =					5.431 m ³
1 X 13.00 X 4.30 X 0.075 =					4.192 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	9 X 30	W	X 3.75	X 0.075 =	75.937 m ²
	1 X 10	W	X (5.00 + 3.90) / 2	X 0.075 =	3.375 m ²
					700.567 m ²
12/ Cost of wire reinforced joint					
C/P reinforcement					
	10 X 10.00	X 4.10	X 0.16 =		6.56 m ²
	2 X 30.00	X 3.75	X 0.16 =		36.00 m ²
(Q/M)	1 X 13.00	X 4.10	X 0.16 =		8.528 m ²
	1 X 10.00	X 3.90	X 0.16 =		6.24 m ²
					57.328 m ²
13/ P & L 300 mm dia duct pipe					
1 H / 9 X 4 X 2.50				=	40.00 m ²
14/ Cost of reinforcement work					
approved material					
	2 X 10 X 30.00	X 1.60	X 0.30 ±		188.00 m ²
	2 X 10 X 30.00	X 1.70	X 0.30 =		288.00 m ²
	2 X 4 X 30.00	X 1.50	X 0.30 =		108.00 m ²
					684.00 m ²
(a) For Lead up to 100m					
70% of 684.00 m ²				=	478.80 m ²
(b) For Lead up to 1000 m ²					
30% of 684.00 m ²				=	205.20 m ²
Shikes					
26-02-22					
J.E					

Abstract of Cost

5

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/1 PAF setting of pillar					
(a) Bench mark pillar					
atg vide item no (1) P(1)					
				= 1 No	
@ Rs 3827.81				= Rs	3828.00
b) Reference pillar					
atg vide item no 1(b) P(1)					
				= 2 Nos	
@ Rs 1730.96				= Rs	3462.00
2/15 PAF Log of M.M. & X					
atg vide item no (2) P(1)					
				= 2 Nos	
3/2 Clearing and grubbing					
atg vide item no (3) P(1)					
				= 0.52 Hk	
@ Rs 51133.76				= Rs	26539.00
4/ Dismantling of old structure					
(a) 128 P.CC					
atg vide item 4(a) P(1)					
				= 2.90 m ²	
@ Rs 484.74				= Rs	1163.00
(b) 29 brick/stone masonry					
atg vide item no 4(b) P(1)					
				= 69.32 m ²	
@ Rs 231.77				= Rs	16066.00
(c) 30 Remains of Mure					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
RIVE Upto 600m dia					
at 8 vide item no 9 (C/P (1)					
				= 30.00m	
@ B 174.78				= 115	5293.00
5/19 Earthwork in excavation for foundation					
at 8 vide item no (5) P (2)					
				= 10862 m ²	
@ B 269.32				= 115	29522.00
6/30 P/L P/L M/S grade in					
containing concrete					
at 8 vide item no (6) P (2)					
				= 19.92 m ²	
@ B 4558.98				= 115	90815.00
7/32 P/L R/L M/S 800m dia HP					
at 8 vide item no (7) P (2)					
				= 52.50 m ²	
@ B 983.44				= 115	51630.00
8/31 P/L P/L M/S log grade in substructure					
at 8 vide item no (8) P (2)					
				= 106158 m ²	
@ B 5328.01				= 115	565610.00
9/5 G.H. & Subgrade					
for lead up to 1000m					
at 8 vide item no (9) (C/P (3)					
				= 45.838 m ²	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@B 176.58				=B	8093.00
10/6 Cont of Subgrad for Lead 100m					
atg. vide item no 9(b) P(3)					
				=106.957m ²	
@B 191.17				=B	15099.00
11/ Cont of embankment with approved material					
(a)/3 For Lead upto 100m					
atg. vide item no 14(a) P(4)					
				=478.80m ²	
@B 131.03				=B	62737.00
(b)/4 For Lead upto 100m					
atg. vide item no 14(b) P(4)					
				=205.20m ²	
@B 174.94				=B	35897.00
12/8 P & L 300m dia R/C duct pipe					
atg. vide item no (13) P(4)					
				=40.00m	
@B 883.26				=B	35330.00
13/7 Cont of curb cor I					
atg. vide item no (14) P(3)					
				=535.26m ²	
@B 2285.26				=B	1213217.00
14/8 Providing laying C.B.M. GUTTS					
atg. vide item no (11) P(4)					
				=200.56m ²	

Scanned with CamScanner