प्रमाणित किया जाता है कि इस मापीपुस्तिका में कुल पृष्ठ 100 पृष्ठ है जो सहायक अभियन्ता ग्रा० का० वि० कार्य अवर प्रमंडल हरनौत के नाम से निर्गत किया जाता है।

13.3.21

कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, हरनौत

13.3.21

Sch, XLV-Form No. 134

हरनौत DIVISION

हरनौत SUB-DIVISION

Measurement Book

No. 941

Name of Officer ______________________

____

Date of first entry ______________________

Date of last entry ______________________

Schedule PLV-Form No. 134

NOTES

REFERENCE TO P.W.A. CODE CHRI. VII

Paras 30 & 31.

1. In recording detailed measurements, the following general instructions should be carefully observed :–

(a) Subject to such subsidiary orders as may be laid down by the local Government detailed measurement should be recorded only by Executive of Assistant Engineer or by Executive subordinate in-charges of work to whom measurement books have been supplied to the Executive Engineer for the purpose.

(b) All measurements should be near taken down in a measurements book Form 23, issued to the purpose in where else.

(c) Each set of measurements to be recorded 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
(d) Number and date of his agreement, and
(e) 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 of the case—

(i) Stock (for all supplies for stock purpose).
(ii) "Purchase" for direct issue to the work (full name of the work as given in the estimate may be mentioned).

____

(iii) "Purchase" for (full name of work as given in estimate) for issue to contractor______________ __________on ______________ and

(d) Date of measurements and should end with the dated initials of the officer marking the measurement, (see also paragraph 25.)

A suitable abstract should than prepared which/ Should collect in the case of measurement 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 are based on the quantities recorded in the measurement book it is incumbent upon the person taking the measurments to record the quantities clearly & 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 to the last set of measurement is recorded and (2) that if the entire job or contract has been completed the fact is recorded prominently just above his initials.

(f) Entries should be record continuously in the measurement book No. blank pages may be left and no page be turn out. Any page left in adveltenly must be cancelled by diagonal lines, The cancellation being attested. See also paragraph or the Public Work Department Code.

(g) No entry may be erased, of a mistake is made it should be correct (and dated) by the responsible officer in the manner prescribed in paragraph 335 of the Public Work Department Code. When any measurements are cancelled, the cancellation must be supported by the dated initials of the officer ordering the cancellation or by reference to his measurements in either case the reason for cancellation should be recorded.

Each measurment, book should be provided with an index which should be kept up to date.

XLV-Form No, 134

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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 No.	L.	B.	D.	Contents of area
1st A/c bill					
(1) Name of work :- M/R to Road from chero Nagarnausa PWD path ke vejapatipati to Sind-wara village via chhiddi Jagatpur, Jiwanpur					
(2) Agency :- Sri Ram prasad Singh					
(3) Agreement No - 22/MBD/19-20					
(4) Date of Agreement - 28.06.19					
Privious Agvalu - 15908518=					
(5) Time of Completion :- 27.6.20					
Date of Measurement					
Record Entry - 10/5/21 to 30/5/21					
Items					
(1) clearing and grubbing					
Road land - do - E/I					
	4×5	×30.00	×6.00		= 3600.00 m²
	4×5	×30.00	×6.00		= 3600.00 "
	5×5	×30.00	×6.00		= 4500.00 "
	4×5	×30.00	×6.00		= 3600.00 "
NM	4×5	×30.00	×6.00		= 3600.00
	4×5	×30.00	×6.00		= 3600.00 "
	5×5	×30.00	×6.00		= 4500.00
	2×25.00m		×6.00		= 300.00
					27300.00 m²

Continuation

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2

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			BP	=27	300 m^2
1×5×	30.00×		6.00	= 9	00.00
				282	00.0 m^2
Ha = 28200 / 10000		=	2.8	2 Ha.	
(2) Scarifying the existing bituminous road surface -do-					
90 ×	1.164 ×		0.970 =		101.61 m^2
110 ×	1.456 ×	1.164		=	186.42"
90 ×	1.94 × 1.94			= 3	38.72"
50 × 2	.425 ×	2.425		= 29	4.03"
70 × 1	.455 × 1.4	55		= 14	8.19 m^2
NC 60 × 1	.94	× 1.9	4	= 225	.81 m^2
17 × 2	.42	× 2.42		= 99	.55 m^2
				1394	.33 m^2
(3) Construction of embankment with materials — do — (E)I					
2×	8×	30.00	×1.20	×0.5 =	288. m^2
1×8	×30.	00×1.	00×1.	50 =	360.000
2× 100	×1.50	× 0.5	0×3	0.00	= 4500.0
NH 2 × 30	.00	×1.5	0×0.	50 =	45.000
					5193.00 m^3

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				BF 51	93.00 m³
2×30×	30.00×	1.30×	0.50	=	1170.00
2×10×	25.00×	1.20×	0.40	=	240.00 "
2×12.50×	1.20×	0.50		=	15.00 "
		L mul			~~6528.00 m³~~ 6618
		NW 31.5.21			6618 =
Date of Entry 25/6/21				30/5/21 J.E.	
(4) Construction of G.S.B by providing course graded materials					
— do —				E/S	
100×	0.30×	0.30×	0.10	=	0.90 m³
109×	0.30×	0.30×	0.10	=	0.981 m³
109×	0.30×	0.30×	0.10	=	0.981 m³
145×	0.30×	0.45×	0.10	=	1.957 "
145×	0.30×	0.45×	0.10	=	1.957 "
110×	0.45×	0.45×	0.10	=	2.227 "
118×	0.582×	0.437×	0.175	=	5.251 "
NY 80×	0.582×	0.582×	0.150	=	4.064 "
110×	0.582×	0.728×	0.150	=	6.990 "
70×	0.873×	0.728×	0.150	=	~~5.485~~ 6.673 "
80×	0.873×	0.873×	0.175	=	10.669 "
60×	0.970×	0.873×	0.100	=	5.080 "
70×	0.970×	0.970×	0.175	=	11.526 "
					~~58.568 m³~~ 59.256 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
					~~59.256~~
				~~Bf~~ =	~~58.568~~ M^3
90×1.164×0.920×0.100				=	10.161 "
110×1.455×1.164×0.100				=	18.629 "
90×1.94×1.94×0.175				=	59.276 "
50×2.425×2.425×0.150				=	44.104 "
60×2.425×2.425×0.175				=	61.746 "
70×1.455×1.455×0.150				=	22.228 "
60×1.94×1.94×0.100				=	22.581 "
70×2.425×2.425×0.10				=	41.164 "
80×2.91×2.91×0.175				=	118.553 "
90×3.88×3.395×0.175				=	207.468 "
50×4.850×3.395×0.150				=	123.493
50×5.82×3.395×0.175				=	172.890 "
50×4.00×3.75×0.175				=	131.250 "
10×25.00×3.75×0.100				=	93.75 "
					~~1185.86~~
		NUL	1186.549		(M^3)
		26-6-21 AE	~~Contd 1186.5~~		2 25/6/21

Date of Record Measurement 20/7/2021

Date of Record Entry -

(2) providing and laying spreading WBM - II

—— do —— E/S

163×0.45×0.45×0.075				=	2.475 M^3
178×0.60×0.45×0.075				=	3.604 "
N2 118×0.60×0.60×0.075				=	3.186 "
					9.265 M^3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BP =	9.265 M^3
103 ×	0.90 ×	0.75 ×	0.075 =		5.214 "
88 ×	1.00 ×	0.90 ×	0.075 =		5.940 M^3
133 ×	1.20 ×	1.00 ×	0.075 =		11.970 "
163 ×	1.50 ×	1.20 ×	0.075 =		22.005 "
133 ×	2.00 ×	2.00 ×	0.075 =		39.900 "
88 ×	2.50 ×	2.50 ×	0.075 =		41.25 "
103 ×	1.50 ×	1.50 ×	0.075 =		17.381 "
NW 88 ×	2.00 ×	2.00 ×	0.075 =		26.40 "
103 ×	2.00 ×	2.00 ×	0.075 =		30.90 "
118 ×	3.0 ×	3.0 ×	0.075 =		79.65 "
133 ×	4.00 ×	3.50 ×	0.075 =		139.65 "
73 ×	5.00 ×	3.50 ×	0.075 =		95.81 "
73 ×	6.00 ×	3.50 ×	0.075 =		114.97 "
40 ×	5.00 ×	3.75 ×	0.075 =		56.25 "
37 ×	2.50 ×	2.50 ×	0.075 =		17.34 "
			(713.895)		713.88 M^3
Date of Record Measurement 25/9/21			NW 21/7/21	B 20/7/21 J.E.	
(5) providing laying WBM Grading – III – do					
10 m ×	$\frac{11.80 + 3.75}{2}$		× 0.075 =		5.83 m^3
6 ×	30.00 ×	3.75 ×	0.075 =		50.62
1 ×	29.00 ×	3.75 ×	0.075 =		8.15 "
45 ×	30.00 ×	3.75 ×	0.075 =		379.68 "
45 ×	30.00 ×	3.75 ×	0.075 =		379.68
					823.96 M^3

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
ABSTRACT of Cost					
(1) clearing and grubbing					
TMB page (24) = 2.82 Ha					
@ Rs 49739 = 47/Ha					Rs 140265-
(2) Scarifying existing					
TMB page (24) = 1394.33 M²					
@ Rs ~~15=48~~ /M² 15.90					Rs 22,281=.
(3) Const. of embankment					
TMB page (24) = 6528.00 M³					
@ Rs 189=26 /M³					Rs 12,35,489
(4) Const. of G.S.B -do					
TMB page (24) = 1186.54 M³					
@ Rs 2292=21/M³					Rs 27,19,819
(5) providing WBM-II do - gr					
TMB page (24) = 713.88 M³					
@ Rs 2933=51/M³					Rs 20,94,174
(6) providing WBM - III - do					
TMB page (24) = 1321.26 M³					
@ Rs 2793=24/M³					Rs 36,90,457
(7) providing primer Coat					
TMB page (24) = 16678.25 M²					
@ Rs 54=42/M²					Rs 9,07,630=
(8) providing Tack Coats - do					
TMB page (24) = 16678.25 M²					
@ Rs 18=45/M²					Rs 3,07,714=
					Rs 111,17829=-

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Bf Rs	1,11,17829
(9) providing Tack Coat					
TMB page (25) = 16678.25 M²					
TMB page (31) = 335.25 M²					
17013.50 M²					
@ Rs 15=89/M²				Rs	2,70,345
(10) providing MSS - do					
TMB page (25) = 16678.25 M²					
TMB page (31) = 335.25 M²					
17013.50 M²					
@ Rs 193=42/M²				Rs	32,90,751=
(11) providing S.DBC - do - Qr					
TMB page (25) = 416.956 M³					
TMB page (31) = 8.381 M³					
425.337 M³					
@ Rs 11824=36/M³				Rs	5029338
(12) Const. or un Reinforced					
TMB page (25) = 300.99 M³					
TMB page (32) = 24.81 M³					
325.80 M³					2173946=
@ Rs 6672=64/M³				Rs	~~21,73,979~~
(13) Road Marking - do					
TMB page (25) = 883.78 M²					
TMB page (32) = 67.00 M²					
limit 950.78 M²					
949.38 M² @ Rs 850=93/M²				Rs	807,856=
					Rs 226,90,098
					2,26,90065=

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	2,26,90065=

B/F Rs 2,26,90,098

(14) planting with trees -do

24 This page (25) = 220.00 Nos

This page (32) 16 Nos

236.00 Nos

@ Rs 813=71/Nos — Rs 192035

(15) R.C.C Boundary pillar

13 This page (25) = 132 Nos

@ Rs 516=48/Nos Rs 68175=

(16) Reinforced Cement concrete

(i) Km stone - 6 Nos

@ Rs 2255=19/Nos Rs 13531=

(ii) 200m stone - 20 Nos

652=12
@ Rs ~~612=12~~/Nos Rs 13042=

(17) providing and fixing Retro-Reflective -do- etc

(i) 600 mm traingle - 8 Nos

3542=94
18 @ Rs ~~3442=94~~/Nos Rs 28344

(ii) 600mm Circular - 8 Nos

19 @ Rs 4499=72/Nos Rs 35998

(iii) 800x600 mm - 10 Nos

20 @ Rs 6094=33/Nos Rs 60943=

(iv) 600x450 mm - 10 Nos

21 @ Rs 4419=98/Nos Rs 44200=

(v) 900 mm side - 1 Nos

@ Rs 7609=22/Nos Rs 7609

Continuation Rs 2,31,53,975=

23153942=

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

2,31,53,942=

B/F Rs 2,31,53,975

23

(18) providing and direction placing — do — etc

TMB page (26) = 14 Nos

TMB page (32) = 8 Nos

22 Nos

@ Rs 9317=81/Nos — Rs 2,04,993

26

(19) providing MM 45Y 8 m

TMB page (26) = 3 Nos

@ Rs 9998=86/Nos Rs 29997=

28

(20) Brick Masonary (1:3)

TMB page (26) = 11.52 M^3

@ Rs 7549=27/M^3 — Rs 86,968=

29

21) providing PCC M-20 do

TMB page (27) = 48.00 M

@ Rs 391=74/M — Rs 18804=

30

(22) plastering with C.M (1:4)

TMB page (27) = 80.64 M^2

@ Rs 189=32/M^2 — Rs 15267=

31

(23) painting two coats

TMB page (27) = 100.80 M^2

@ Rs 107=90/M^2 — Rs 10876=

35

(24) E/W in excavation

TMB page (27) = 40.50 M^3

@ Rs 285=71/M^3 — Rs 11571=

Rs ~~2,35,32,451~~

2,35,32,418=

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/f Rs	2,35,32,418=
(25) providing HYSD bars					
37 TMB page (27) = 2.010 MT					
@ Rs 77644=87/MT				Rs	1,56,066=
(26) providing PCC M-15					
36 TMB page (27) = 33.56 M^3					
@ Rs 4923=00/M^3				Rs	1,65,216=
(27) providing weep holes					
38 —do— E/t					
TMB page (27) = 17 Nos					
@ Rs 139=46/Nos				Rs	2371=
(28) providing filter media					
33 TMB page (28) = 185.728 M^3					
@ Rs 2341=74/M^3				Rs	4,34,926
(29) providing boulder pitching					
34 TMB page (28) = 420.00 M^3					
@ Rs 2117=76/M^3				Rs	889459
				Rs	2,51,80,456=
Less 0.02% below				(-) Rs	5036=
				Rs	2,51,75,420=
Deduction previous bill				(-) Rs	2,46,97,313=
				Rs	4,78,140=
					478107=
					28/03/22
					J.E.

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material Statement					
Rs	—	0.	092	MT	
Bitumens	90 —	1.6	22	MT	
Stone chips	—	21	.69	M3	1354=
		(24.01	3 ~~254~~=		
			20/3/22		
			O.E.		

Continuation