

MMGSU (~~10~~) (GEN)

Schedule XLV-Form No. 134

REO Road Daita Bandh from Khair to
Lakhisarai, Drain gant.

DIVISION

Suryagarha

SUB-DIVISION

Agency —

Date of work starts —

MOB. NO - 871

MEASUREMENT BOOK

Sch. XLV-Form No. 134

Lakhisarai

DIVISION

Seraighat

SUB-DIVISION

Head (MMGSUY) (GEN)

Measurement Book

No. 871 -

Name of officer

प्रमाणित किया जाता है कि इस
मापी पुस्तक में कुल 100 (सौ) पन्ने हैं

Date of first entry

जो स्वयं अभिलेखित अवधि समाप्त

Date of last entry

स्वयं ही के माध्यम निर्गत किया जाता

है।

Executive Engineer

RWD Works Division

Lakhisarai

18/10/2019

Schedule PLV-Form No. 134

NOTES

REFERENCE TO P.W.A CODE CHRI. VII
Paras 30 & 31

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 detailed measurement should be recorded only by Executive of 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" (for all supply for stock purpose)
 - [ii] "Purchase for direct issue to the work (full name of work as given in estimate may be mentioned)
 - [iii] "Purchases" or (full name of work as given in estimate) issued to contractor.....
.....on.....and

- [d] Date of measurements and should end with the dated initials of the officer marking the measurement, (See all paragraph 25)

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 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 blank in advertently must be cancelled by diagonal lines, The cancellation being attested, See also paragraph 335 or the public Work Department Code.
- [g] No entry may be erased, of a mistake is made it should be correct (and deleted) 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 a reference to his measurements in either case the reason for cancellation should be recorded.

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

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.	
1) Name of Work - Construction of Road from Reo Road Daitla Bandh Kharin to Gaden yunti Under NM 43 UY					
2) Agency - Sri Rangit Kumar					
3) Agreement -					
4) Date of Work starts					
5) Date of Completion -					
Date of Entry 22.9.24					

1) PW end of road info matry sign board with logo etc. - do. TB					
					2000
2) PW setting out pillars B.M pillars - do. TB					2000
3) PW clearing and grubbing road land etc. - do. TB					
2% 50 x 35 x 2.42					60004
					= 0.60 Hect
3) PW Excavation of roadways in 80/1 etc. - do. TB					
2% 50 x 30 x 0.525 x 0.35					
					= 351.25 m ³

4) PW Construction Embankment etc. - do. TB
 6% of Item 3) ①
 $351.25 \text{ m}^3 \times 0.62 = 330.28 \text{ m}^3$

Date of Entry - 10.10.24

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1) PW WBM grd				do.	
			7/8		
					42.468
2) 50x30x0.375			0.38	0.078	284.937
1x15x1.00			0.025	2	1.687 m ³
2x12.5x1.80			0.078		2.812 m ³
4x9.5x1.20			0.078		3.42 m ³
1x6.4x1.30			0.078		0.588 m ³
4x12x1.20			0.078		4.32 m ³
3x14x1.80			0.078		5.67 m ³
6x18x1.20			0.078		8.91 m ³
4x12.0x1.65			0.078		5.94 m ³
3x14x0.24			0.078		2.331 m ³
					Total 78.463 m ³

Total 78.143 m³

Signature
10/10/24
TS

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
4) for Construction of Embankment etc. etc. etc.					0126/24/02=
330.28m ³ Qty note ①					
@ 58.28/m ³					194422=
5) for Excavation of Soil using Hydraulic Excavator & Dipper etc. etc. etc.					
557.25 m ³ Qty note ②					
@ 94.98/m ³					523562
6) for G.S.B work grading etc. etc. etc.					
409.13 m ³ Qty note ②					
7) for WBM g.s.b. etc. etc. etc.					
84.932 m ³ Qty note ②					
@ 3422.18/m ³					2906702
8) for WBM g.s.b. etc. etc. etc.					
28.143 m ³ Qty note ③					
422.718 m ³ Qty note ④					
500.861 m ³ @ 3992.60/m ³					1999738
9) for Extraordinary Informative Sign Board work Logo etc. etc. etc.					
2.40 Qty note ①					
@ 10817.99/ea					216362
					TOTAL 35,69,527=

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					8716 35695220
Add L.C @ 1% —					356952
Add GST @ 18% —					64251520
Add S.R —					115040=0
					Total 43627720
deduct @ 0.01% —					436=0
					Total 43623412
29/10/24	29/10/24	TS	29/10/24	TS	

Material statement1) E/W - 551.28M³2) Metal - 347.69 + 202.962 = 1050.64M³3) Screeng - 208.61 + 123.02 = 331.62M³

~~29/10/24~~ ~~29/10/24~~
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Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1) Name of Works - Construction of Road from Leo Road Datta Bandh from Blaira to Vrain Gunti					
2) Agency - Sri Ranjit Kumar					
3) Agreement -					
4) Date of Work starts -					
5) Date of Completion -					
Date of Entry - 10.12.24					
1) PN Prime Coat with B.S.					
etc... do. 5/3					
$4 \times 30 \times \frac{3.75 + 3.90}{2} =$					$459 m^2$
$1 \times 40 \times \frac{3.75 + 3.90}{2} =$					$15.3 m^2$
$6 \times 30 \times \frac{3.75 + 3.85}{2} =$					$684.0 m^2$
$2 \times 30 \times \frac{3.75 + 5.10}{2} =$					$122.75 m^2$
$38 \times 30 \times 3.75 =$					$427.5 m^2$
$1 \times 30 \times \frac{3.75 + 3.95}{2} =$					$114.5 m^2$
Total					$5680.55 m^2$
2) PN Pack Coat with B.S.					
etc... do. 5/3					
Qty of Item ① -					$5680.55 m^2$
3) PN & Layer up B.M with					
5.65 etc... do. 5/3					
$4 \times 30 \times \frac{3.75 + 3.90}{2} \times 0.050 =$					$22.95 m^3$
$1 \times 40 \times \frac{3.75 + 3.90}{2} \times 0.050 =$					$0.765 m^3$
$6 \times 30 \times \frac{3.75 + 3.85}{2} \times 0.050 =$					$34.2 m^3$
Continuation					
$1 \times 30 \times \frac{3.75 + 5.10}{2} \times 0.050 =$					$6.6375 m^3$
$38 \times 30 \times 3.75 \times 0.050 =$					$213.75 m^3$
$1 \times 30 \times \frac{3.75 + 3.95}{2} \times 0.050 =$					$5.78 m^3$
Total					$284.07 m^3$

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
4) PW 2 laying S.D.B.C					
width 5.65 m. do TB					
9x30x $\frac{3.75+3.90}{2} \times 0.025 = 11.475m^3$					
1x4x $\frac{3.75+3.90}{2} \times 0.025 = 0.382m^3$					
6x30x $\frac{3.75+3.85}{2} \times 0.025 = 17.10m^3$					
1x30x $\frac{3.75+5.10}{2} \times 0.025 = 3.8187m^3$					
38x30x $\frac{3.75}{2} \times 0.025 = 106.875m^3$					
1x30x $\frac{3.75+3.95}{2} \times 0.025 = 2.887m^3$					
Total					142.037m ³
5) PW Construction of Bank					
Bankment w/ material					
do do TB					

2x4x30x $\frac{1.0+0.80}{2} \times 1.15 = 248.4m^3$	
1x1x15x $\frac{0.80+0.80}{2} \times 1.20 = 15.30m^3$	
Total	263.70m ³
60% Lead 1000m	158.22m ³
40% Lead 1000m	105.48m ³

6) PW Construction of Sub	
grade and earthen sub	
etc do TB	
2x35x30x $\frac{1.15+0.90}{2} \times 0.30 = 645.75m^3$	
7) PW Road Marking w/ Lot	
applied thermoplastic paint	
etc do TB	
2x50x30x 0.10 = 300.0m	

Continuation
 10/12/24
 T-3
 10/12/24
 10/12/24

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Sch.XLV-Form No. 134				Contents of area
Particulars	Details of actual measure			
	No.	L.	B.	D.
<u>Abstract of Cost</u>				
1) P.W. setting out pillars				
work done 174				
2 Km of cylinder (3)				
@ 12795.18/m ³				25590 ²⁰
2) Clearing & grubbing road				
land work done 174				
0.60 Heel cylinder (4)				
@ 76926.08/Heel				46156 ²⁰
3) Excavation for Roadways				
15 Soil work done 174				
551.25m ³ cylinder (4)				
@ 94.98/m ³				52356 ²⁰
4) Construction of Embankment				
work done 174				
330.78m ³ cylinder (5)				
@ 58.78/m ³				19442 ²⁰
5) Excavation of Soil for				
Road Works work done 174				
551.25m ³ cylinder (5)				
@ 94.98/m ³				52356 ²⁰
6) P.W. Construction of Embankment				
mat work done 174				
lead 100m cylinder (8)				
158.22m ³ @ 26.18/m ³				41324 ²⁰
lead 100m cylinder (8)				
105.48m ³ @ 173.51/m ³				18302 ²⁰

Continuation

Total 255,526²⁰
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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				B/F	255.52620
7) PW Construction of Subgrade and earthen shoulder etc.					
645.28 m ³ Qty note ⑧					
@ 264.77/m ³					17097820
8) PW G.S.B. work gr. etc.					
409.05 m ³ Qty note ⑤					
@ 2595.24/m ³					106158320
9) PW WBM gr. etc. etc.					
84.932 m ³ Qty note ⑤					
@ 3430.18/m ³					29067020
10) PW WBM gr. etc. etc.					
500.86 m ³ Qty note ⑤					
@ 3992.65/m ³					199973820
11) PW Prime Coat work S.S.					
etc. etc.					
5681.50 m ² Qty note ⑦					
amt. 5681.25 m ² @ 57.37/m ²					32552920
12) PW Pack Coat work R.S.					
etc. etc.					
5681.55 m ² Qty note ②					
amt. 5681.25 m ² @ 19.65/m ²					11161820
13) PW B.M. work S.S.					
etc. etc.					
284.02 m ³ Qty note ⑦					
amt. 284.06 m ³ @ 11433.50/m ³					324280020

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					B/W 874834392
14) PW S.D.B.C. W/A 568					
142.032 m ³ Qty. n.d.f. ⑧					
142.03 m ³ @ 13873.61/17704692					
15) PW Road Marking work					
300m Qty. n.d.f. ⑧					
@ 886.50/m ² → 2659502					
16) PW and fixings Infirmity					
2m Qty. n.d.f. ⑧					
					@ 10812.29/2463620
					Total 972149420
					Add GST @ 18% → 17498692
					Add L.C @ 1% → 9724520
					Add S.F → 1,5810020
					Total 117,26,6782
					deduct @ 0.01% → 117320
					Total 1172550520
					10/12/24 TS
					10/12/24 TS
					10/12/24 TS
					10/12/24 TS

Continuation