

Head → M.M.G.S.Y

Consist of Road from G.T Road to Gawal Karna
Length = 0.926 K.m

Schedule XLV Form No. 134.

Aggr No → 62 SBD/2020-2021

E.E. R.W.D (w) Div. Sherglatti DIVISION

A.E. R.W.D (w) Sub. of Barachatti SUB-DIVISION

Agency :- Shambhu Nath.

Measurement Book

1253

This m.B issued to A.E. RWD
(w) sub-div. Barachatti in
This contains 01 to 100 pages
by machine printing only

Executive Engineer

R.W.D (W) Division

Sherghati

25.11.20

Sch. XLV-Form No. 134

Sherghati DIVISION
Barachatti SUB-DIVISION

Measurement Book

No. 1253

Name of officer _____

Date of first entry _____

Date of last entry _____

1st 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 -	G.T. Road to Gawal Kharra				
Name of Agency -	Shambhu Nath, Wazirgarh Gaya				
Agreement No. -	92500/2020-21				
Date of work started -	08.09.2020				
Date of completion -	02.09.2021				
Measurement					
1. Construction of benchmark and reference etc. all complete job					
			20 x 30 m -	600 m	
			1 x 20 m -	20 m	
				620 m	
				or 0.620 km	
2. Construction of reference pillars and burjees etc..... all complete job					
			24 x 25 m -	600 m	
			1 x 20 m -	20 m	
				620 m	
				or 0.620 km	
3. Clearing and grubbing road land including wild etc..... all complete job					
			06 x 30.00 m x 7.0 m -	1260.0 m ²	
			04 x 30.00 m x 7.0 m -	840.0 m ²	
			05 x 30.00 m x 7.0 m -	1050.0 m ²	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	05	30.0m	7.0m		1050 m ²
	01	20.0m	7.0m		140 m ²
					4340.0m ²
				or	0.434 hecta

4. Construction of embankment with all parts of road is different types of soil
... all complete job

Choirage	Area	Mean	Volume	Length
0	2.38	—	0	0
15	2.40	2.39	35.85	15
			35.85 m ³	

0	2.52	—	0	0
50	2.48	2.50	125.0	50
100	2.26	2.37	118.50	50
150	2.38	2.32	116.00	50
200	2.30	2.34	117.00	50
250	2.24	2.27	113.50	50
305	2.16	2.20	121.00	55
			711.00 m ³	
			Total - 746.85 m ³	

a) for 1000 mm lead - $0.30 \times 746.85 = 224.05 \text{ m}^3$
b) for 100 mm lead - $0.70 \times 746.85 = 522.79 \text{ m}^3$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5. Construction of subgrade with approved material etc. all complete job					
	05	30.0m	7.70	0.30	346.50m ³
	05	30.0m	7.90m	0.30	355.50m ³
	01	20.0m	7.50m	0.30	45.0m ³
					747.0m ³
Push 22-02-21 AE 10-12-2020 GC					
Date of measurement - 22					02.2021
6. Construction of granular sub-base with well graded material etc. all complete job					
For CC Portion (0.300m)					
	05	30.0m	3.75m	0.100	56.25m ³
	03	30.0m	3.80m	0.100m	34.20m ³
	01	10.0m	$\frac{4.40+4.10}{2}$	0.100m	4.25m ³
	01	30.0m	3.75m	0.100m	11.25m ³
	01	20.0m	3.90m	0.100m	7.80m ³
					113.75m ³
For B.T. Portion (0.320m)					
	04	30.0m	4.05m	0.200	97.20m ³
	03	30.0m	4.05m	0.200	72.90m ³
	02	30.0m	4.20m	0.200	50.40m ³
	01	10.0m	$\frac{9.90+8.40}{2}$	0.200	18.30m ³
	01	5.0m	$\frac{5.80+4.50}{2}$	0.200	5.15m ³
	01	20.0m	$\frac{4.55+4.10}{2}$	0.200	17.50m ³
	01	15.0m	$\frac{10.0+4.80}{2}$	0.200	22.20m ³
Continuation Total -					397.40m ³

~~Push~~
~~22-02-2021~~

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement - 04.03.2021					
7. Providing laying, spreading and compaction of stone aggregate work Gr 3 etc.... all complete job.					
	06 x	30.0m	3.75m	0.075	50.62 m ²
	05 x	30.0m	3.75m	0.075	42.18 m ²
	04 x	30.0	3.75m	0.075	33.75 m ²
	02 x	20.0	3.80m	0.075	11.40 m ²
	02 x	30.0	3.75m	0.075	16.87 m ²
	01 x	10.0m	$\frac{9.60+8.20}{2}$	0.075	6.71 m ²
	01 x	5.0m	$\frac{5.0+4.50}{2}$	0.075	1.28 m ²
	01 x	20.0m	$\frac{4.20+4.00}{2}$	0.075	6.22 m ²

	01 x	15.0m	$\frac{9.0+4.80}{2}$	0.075	7.76 m ³
	01 x	10.0m	$\frac{4.10+4.00}{2}$	0.075	3.11 m ³
	01 x	25.0m	3.75m	0.075	7.03 m ³
					2.81 m ³
					183.21 m ³
					182.54 m ³

04-03-2021
A.F

Material Statement

- 1) Earthwork - 1493.85 m³
- 2) Metal - 500.67 m³ 499.66 m³
- 3) Sand - 119.22 m³
- 4) Stone screening - 48.85 m³

(Attached soil graph.)

Continuation

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Particulars	Details of actual measurement				Co of area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
1/1 Construction of benchmark etc.					
Qty vide TMB item no 1 Page no (1)					
				0.620 m @ 4948.38	→ 3068/-
2/2 Construction of reference pillars etc.					
Qty vide TMB item no 2 Page no (1)					
				0.620 m @ 3430.64	→ 2127/-
3/3 Clearing and grubbing road land etc.					
Qty vide TMB item no 3 Page (2)					
				0.434 hect. @ 51,161.25	22,204/2
4/4 Construction of ear bankment etc.					
Qty vide TMB item no 4(a) Page (2)					
				224.05 m ³ @ 175.22	→ 39,258/-
5/5 Construction of ear bankment etc.					
Qty vide TMB item no 4(b) Page (2)					
				522.79 m ³ @ 139.79	→ 73081/-
6/6 Construction of subgrade etc.					
Qty vide TMB item no 5 Page no (3)					
				747.0 m ³ @ 183.51	→ 1,37,082/-
7/7 Construction of R.S.L etc.					
Qty vide TMB item no 6 Page no (3)					
				397.40 m ³ @ 176.72	7,02,492/-
Continuation					C.O. 9,79,312/-

Continuation