

Bibhash Kumar Singh. MMGSY

Bibhash Kr. Singh.

Ag No. 32 ~~500~~ (SBD)/2020-21

Kenukat - Ratanpur Road to Karmataas -
Gauraghat Road.

Head - MMGSY (SG)

~~MMGSY~~
MMGSY

Measurement Book

Schedule XLV-Form No. 134

R. W. D. (W) Jamui

DIVISION

Caxmipura.

SUB-DIVISION

MB. No - 2697

1st. em all Bill

Construction of road 42m

Name of Work - Kenuhut Ratanpur PWD

Situation of work - to Kasmata Gauraghat

Agency by which work is executed - B. B. BHASHI & SINGH

Date of measurement - 12.9.2020

No. and date of agreement - 32(SRD)/20-21 MMS

These four lines should be repeated at the commencement of the measurements relating to each work). 7.8.2020
6.8.2021

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/2) clearing & grubbing of road land by manual means - do - do - all complete job					
	1x	1050x	3.50	=	3675.0
	1x	200x	3.50	=	700.0
	1x	500x	3.50	=	1750.0
	1x	500x	3.50	=	1750.0
					7875.0m ²
	7875m ² / 10.000 = 0.7875 ha				0.78 ha

EARTH WORK CALCULATION					
SL no	Chainage	Distance	Area in m ²	Area in m ²	Volume in m ³
1	0	0.00	2.05	0.00	0.00
2	100	100	2.93	2.49	249.00
3	200	100	2.95	2.94	294.00
4	300	100	2.45	2.70	270.00
5	400	100	2.32	2.385	238.50
6	500	100	3.15	2.735	273.50
7	600	100	3.17	3.16	316.00
8	700	100	3.38	3.275	327.50
9	800	100	3.34	3.36	336.00
10	900	100	3.33	3.335	333.00
11	1000	100	2.61	2.97	297.00
12	1100	100	2.62	2.615	261.50

Continuation

3196.0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F	3196.0 m ³
13.	1200	100	2.87	2.745	274.50
14.	1300	100	2.84	2.855	285.50
15.	1400	100	2.18	2.51	251.00
16.	1500	100	2.62	2.40	240.00
17.	1600	100	3.15	2.885	288.50
18.	1700	100	3.05	3.10	310.00
19	1800	100	1.95	2.50	250.00
20	1900	100	2.89	2.42	242.00
21	2000	100	3.12	3.005	300.50
22	2050	50	3.21	3.165	158.25
					5796.75

Link 23	0.0	0.00	2.64	2.925	00.00
24	100	100	2.97	2.805	280.50
25	200	100	3.01	2.99	299.00
					6375.75
	Total E/w			<u>m</u>	6375.0 m ³
(i) E/w in Subgrade					
	1x1720x7.80x0.30 =				4024.80
(ii) E/w in embankment					
Total E/w - Subgrade E/w					
	= 6375 - 4024.80				= 2350.20
(a) for lead 1000 m.					
	40% of 2350.20 =				940.08 m ³
(b) for lead 100 m					
	60% of 2350.20 =				1410.12 m ³

Particulars	Details of actual measurement				Contents of area
	No.	H.P. Culvert L. of 1800 mm	D. of 920		
(7/31) E/W in excavation in foundation - do - all complete.					
Head wall	4x2x	6.45x	1.40x	1.50 =	108.36
Below pipe.	4x1x	9.85x	1.53x	0.365 =	10.83
					119.19 m ³
(8/32) Provision PCC-M-15 (1:2 1/2:5) in foundation - do - all complete.					
Head wall	4x2x	6.45x	1.40x	0.15 =	10.84
Below pipe.	4x1x	4.93x	1.53x	0.25 =	7.54
					18.38 m ³
(9/33) Provision PCC-M-20 in					
Sub-structure - do - all complete.					
Head wall	4x2x	6.15x	$\frac{1.25+0.4}{2}$ x	3.18 =	129.08
Penet	4x2x	6.15x	0.40 x	1.0 =	19.68
					148.76
Less for pipe bed	4x2x	0.786x	$(1.23)^2$ x	0.622 =	5.92
					142.84 m ³
(10/34) Provision 2 Layer PCC pipe NP-3 for culvert - do - all complete.					
	4x3x	2.50m			30.0 m
(11/30) Provision 2 layer M.M.G.S.T. information logo board					
	2m				2 m.

Continuation

12.9.20
JE12.9.20
AE

ABSTRACT OF COST.

(1st. Bill)

5

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/2) Clearing & grubbing red. Lat Qty. under TMB Page (1)					
0.78 ha @ Rs 51133.76 / ha = Rs					39,884.00
(2/4) Construction of emb - embankment for road 100m					
Qty. under TMB Page (3)					
940.08 m ³ @ Rs 175.22 / m ³ = Rs					1,64,721.00
(3/5) Construction of embankment for road - 100m					
Qty. under TMB Page (3)					
1402.85 m ³ @ Rs 135.12 / m ³ = Rs					1,89,553.00
(4/7) Construction of Subgrade - all complete.					
Qty. under TMB Page (3)					
3219.84 m ³ @ Rs 176.86 / m ³ = Rs					5,69,461.00
(5/8) G.S.B. g. 1: Construction of Granular Sub-base.					
Qty. under TMB Page (3)					
1393.20 m ³ @ Rs 1817.09 / m ³ = Rs					25,31,570.00
(6/13) G.S.B. g. 2: Construction of Granular Sub-base 2					
Qty. under TMB Page (3)					
187.50 m ³ @ Rs 1817.09 / m ³ = Rs					3,40,704.00
(7/31) F.W in excavation in foundation.					
Qty. under TMB Page (4)					
119.19 m ³ @ Rs 294.73 / m ³ = Rs					35,129.00

Rs 38,71,022.00

Continuation

(C.O.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8/32) Providing RCC-M-15 w/ formwork etc. Qty. vide TMB Page (4)					
18.38m ³ CR 5071.35/m ³ = Rs					93,211 = u
(9/33) Providing RCC-M-20 w/ substructure Qty. vide TMB Page (4)					
142.84m ³ CR 6226.64/m ³ = Rs					889,413 = u
(10/34) Providing & Laying RCC H.P.C.C. N.P.C. w/ embedded Qty. vide TMB Page (4)					
30.0M CR 3449.74/m = Rs					1,03,492 = u
(11/35) Providing & Laying MMB & Logo board. Qty. vide TMB Page (4)					
2 no. CR 9377.42/each = Rs					18,755 = u
					Rs 49,75,893 = u
Add 12% GST				(+) Rs	5,97,107 = u
Add 1% Labour cess				(+) Rs	49,759 = u
					Rs 56,22,759 = u
Less 10% below as per agreement (-) Rs					5,62,276 = u
Card 16/1/20					Rs 50,60,483 = u
12.1.20 SC					
12.1.20 RE					