

1st on 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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
M/W:- Construction of Road & C/D works from Turner chabga me Utkramit madhya vidhyalay to Parmeshwar Manjhi ke ghar hote huye Hanra per Sima tak under mmmsy (SC) at block Jalalpur,					
M/Agency - Sri Rambabu Kumar					
Agg. NO - 112/SB/2020-21					

Date of Start - 16.12.2020				
Date of Completion - 15.12.2021				
Date of Measurement - 02.08.2021				

Items of works.

- ① Plv & fixing of working benchmark pillars = 01 NO
- ② Plv & fixing of reference pillars = 05 NOS.
- ③ clearing & grubbing of road land.

$$2 \times 10 \times 30.00 \text{ m} \times 3.50 \text{ m} = 2100.00 \text{ m}^2$$

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$$\text{Qty of } = 6300.00 \text{ m}^2$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Qty B/F	6200.0 m ²
2x 8x	30.00m	2.50m			1200.0 m ²
2x 1x	10.00m	2.50m			50.0 m ²
				Total =	7850.0 m ²
					= 0.755 Hect

④ Box Cuting — excavation for roadway in soil using manual means.

For B.T. portion

2x 7x	30.00m	0.525m	0.10m		22.05 m ³
2x 1x	20.00m	0.525m	0.10m		2.10 m ³
2x 10x	30.00m	0.525m	0.10m		31.50 m ³
2x 9x	30.00m	0.525m	0.10m		28.35 m ³

For P.C.C. portion,

2x 10x	30.00m	0.375m	0.10m		22.50 m ³
2x 1x	30.00m	0.375m	0.10m		2.25 m ³
2x 1x	20.00m	0.375m	0.10m		1.50 m ³
				Total =	110.25 m ³

⑤ Construction of embankment with material obtained from borrow pits with a lead upto 100m & 100m

(Earth work calculation)

Sl. No	chainage (m)	CS Area (m ²)	Mean CS Area (m ²)	Dist (m)	Volume (m ³)
1	0	1.802	0.901	0	0.00
2	50	1.924	1.863	50	93.15

Qty 40 = 93.15 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Stn No chainage		C/S Area	Mean C/S Area	Dist	Volume
	(m)	(m ²)	(m ²)	(m)	(m ³)
			Qty	B/F	93.15 m ³
3	100	1.870	1.897	50	94.85 m ³
4	150	1.956	1.913	50	95.65 m ³
5	200	1.824	1.890	50	94.50 m ³
6	250	1.850	1.837	50	91.85 m ³
7	300	1.652	1.751	50	87.55 m ³
8	350	1.506	1.579	50	78.95 m ³
9	400	1.600	1.553	50	77.65 m ³
10	450	1.584	1.592	50	79.60 m ³
11	500	1.625	1.604	50	80.20 m ³
12	550	1.586	1.605	50	80.25 m ³
13	600	1.612	1.599	50	79.95 m ³
14	650	1.752	1.682	50	84.10 m ³
15	700	1.892	1.822	50	91.10 m ³
16	750	2.012	1.952	50	97.60 m ³
17	800	1.900	1.956	50	97.80 m ³
18	850	1.926	1.913	50	95.65 m ³
19	900	1.920	1.923	50	96.15 m ³
20	950	1.856	1.888	50	94.40 m ³
21	1000	1.910	1.883	50	94.15 m ³
22	1050	1.896	1.903	50	95.15 m ³
23	1100	1.924	1.910	50	95.50 m ³
24	1150	1.896	1.910	50	95.50 m ³
			Total =		2071.25 m ³
Qty Less for		Earth shoulder			448.00 m ³

Net Qty of E/W in
embankment = 1623.25 m³

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ p/v, leveling, spreading & compaction of WBM-2					
For B.T. portion,					
7 x 30.00m x 3.75m x 0.075m					= 59.06 m ³
1 x 20.00m x 3.75m x 0.075m					= 5.62 m ³
10 x 30.00m x 3.75m x 0.075m					= 84.37 m ³
9 x 30.00m x 3.75m x 0.075m					= 78.93 m ³
Extra width at H-curve					
2 x 5.80m x 0.400m x 0.075m					= 0.34 m ³
2 x 6.00m x 0.430m x 0.075m					= 0.38 m ³
2 x 3.00m x 5.40m x 0.075m					= 2.43 m ³
					Total = 228.13 m ³
⑧ Construction of granule sub-base by providing coarse graded material.					
For P.C.C. portion,					
In box cutting,					
2 x 10 x 30.00m x 0.375m x 0.10m					= 22.50 m ³
2 x 1 x 30.00m x 0.375m x 0.10m					= 2.25 m ³
2 x 1 x 20.00m x 0.375m x 0.10m					= 1.50 m ³
For profile correction -					
4 x 3.90m x 3.00m x 0.10m					= 4.68 m ³
3 x 3.50m x 2.70m x 0.10m					= 2.83 m ³
Extra width at H-curve,					
2 x 6.00m x 0.560m x 0.10m					= 0.67 m ³
2 x 5.50m x 0.500m x 0.10m					= 0.55 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) Plv, Leaping, spreading & Compacting of WBM 3 for P.C.C. portion,					
10 x 30.00m x 3.75m x 0.075m = 84.37m ³					
1 x 30.00m x 3.75m x 0.075m = 8.43m ³					
1 x 20.00m x 3.75m x 0.075m = 5.62m ³					
Extra width of H-cut.					
2 x 6.00m x 0.50m x 0.075m = 0.50m ³					
2 x 5.50m x 0.50m x 0.075m = 0.41m ³					
Total = 99.33m ³					
(10) Construction of Earthen Shoulder with approved material					
For B.T. portion,					
Sides of G.S.B.					
2 x 7 x 30.00m x 1.40m x 0.200m = 117.60m ³					
2 x 1 x 20.00m x 1.40m x 0.200m = 11.20m ³					
2 x 10 x 30.00m x 1.40m x 0.200m = 168.00m ³					
2 x 9 x 30.00m x 1.40m x 0.200m = 151.20m ³					
Total = 448.00m ³					
(11) Plv & firing of typical masonry information board with logo = 02 NOS.					
1					
M.M.					
02/08/21					
(J.E)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of Cost-</u>					
<u>1.</u> Pl & Bdy of working					
Benchmark pillar.					
01 Nos, vide TMBB-1					
① Rs 3797=21/No Rs					3797=00
<u>2/2</u> Pl & Bdy of reference					
pillar.					
05 Nos, vide TMBB-1					
② Rs 1743=92/No Rs					8720=00
<u>3/2</u> clearing & grubbing of					
road level.					
0.755 Haul, vide TMBB-2					
③ Rs 49174=86/Haul Rs					37,127=00
<u>4/4</u> Box cutting - Excavation					
for roadway in					
sil using manual method.					
110.25 m ³ , vide TMBB-2					
④ Rs 75=43/m ³ Rs					8316=00
<u>5(1)/5</u> construction of					
embankment with 9					
lead upto 100m.					
649.30 m ³ , vide TMBB-4					
⑤ Rs 179=38/m ³ Rs					1,16,471=00
				40 Rs	1,74,431=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B/B Rs 1,74,431=00
5(ii) 6	Construction of subbase				
	- meet with a lead upto				
	100 m.				
	973.95 m ² vide TMBP-4				
	① Rs 150=70/m ² - Rs 1,46,774=00				
6 8	Construction of granular				
	sub-base by providing				
	Coarse graded material.				
	434.44 m ² vide TMBP-4				
	① Rs 2757=11/m ² - Rs 11,97,799=00				
7 9	P.V., Leasing, spreading				
	& Compacting of WBM-3				
	228.13 m ² vide TMBP-5				
	① Rs 4007=12/m ² - Rs 9,14,144=00				
8 13	Construction of granular				
	Sub-base by providing				
	Coarse graded material.				
	34.91 m ² vide TMBP-5				
	① Rs 2757=11/m ² - Rs 9,6251=00				
9 14	P.V., Leasing, spreading				
	& Compacting of WBM-3				
	99.33 m ² vide TMBP-6				
	① Rs 4007=12/m ² - Rs 3,98,027=00				
	C/O Rs 29,27,426=00				

Continuation

Continuation