

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.	
N/Work - Construction of road & old works of road from Bardila-Jalapur Path se Khoradih hote huye, Mangolapur tak under MMGSY (NDB) at block Jalapur.					
N/Agency - Sri Mukesh Singh, Agg. NO - 35/SSD/2021-22					
Date of start - 20.12.2021					
Date of completion - 19.12.2021					
Date of measurement - 26.09.2022					
<u>Items of work</u>					
① Plr & fixing of Bench mark pillars = 02 NOS					
② Plr & fixing of reference pillars = 07 NOS					
③ clearing & grubbing of road land					
(10 x 30.0m x 3.50m = 1050.00 m ²					
10 x 30.0m x 3.50m = 1050.00 m ²					
Qty of = 2100.00 m ²					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Qty B/F =		2100.00 m ²
		10 x 30.00 m	3.50 m		1050.00 m ²
		10 x 30.00 m	2.50 m		1050.00 m ²
		10 x 30.00 m	3.50 m		1050.00 m ²
		8 x 30.00 m	3.50 m		840.00 m ²
		1 x 20.00 m	3.50 m		70.00 m ²
			Total =		6160.00 m ²
					= 0.616 Hect.

④ Excavation for road work in soil using hydraulic excavator.

For B.T. Particulars

	$2 \times 10 \times 30.00 \text{ m} \times 0.525 \text{ m} \times 0.10 \text{ m} = 31.50 \text{ m}^2$
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2	$2 \times 10 \times 20.00 \text{ m} \times 0.525 \text{ m} \times 0.10 \text{ m} = 31.50 \text{ m}^2$
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2	$2 \times 3 \times 30.00 \text{ m} \times 0.525 \text{ m} \times 0.10 \text{ m} = 9.45 \text{ m}^2$
2	$2 \times 1 \times 10.00 \text{ m} \times 0.525 \text{ m} \times 0.10 \text{ m} = 1.05 \text{ m}^2$
	<u>Total = 168.00 m²</u>

⑤ Construction of embankment with material obtained from borrow pits with a level upto 1000 m & 100 m.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S/NO. chainage		C/S Area	mean C/S Area	Dist.	Volume
	(m)	(m ²)	(m ²)	(m)	m ³
1	0	1.926	0.963	0	0.00
2	100	2.104	2.015	100	201.50
3	200	1.852	1.978	100	197.80
4	300	1.672	1.762	100	176.20
5	400	1.966	1.819	100	181.90
6	500	2.105	2.035	100	203.50
7	600	1.926	2.015	100	201.50
8	700	1.890	1.908	100	190.80
9	800	1.752	1.821	100	182.10
10	900	1.926	1.839	100	183.90

11	1000	2.052	2.077 1.988	100	198.90
12	1100	2.103	2.077 2.077	100	207.70
13	1200	1.926	1.900 2.014	100	201.40
14	1300	1.874	1.900 1.900	100	190.00
15	1400	2.012	1.953 1.953	100	194.30
16	1500	1.926	1.875 1.969	100	196.90
17	1600	1.865	1.875 1.895	100	189.50
18	1700	1.762	1.766 1.875	100	181.30
19	1760	1.650	1.706	60	102.36
Total =					3381.56 m ³
(i) @ 1000m lead = 1014.47 m ³					
(ii) @ 100 m lead = 2367.09 m ³					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) Construction of granules					
Sub-base by providing well graded material.					
9m box culding =					
A/c. Kuldeep 22/07/20	2x	10x30.10m	0.525m	0.200m	= 63.10m ³
	2x	10x30.10m	0.525m	0.200m	= 63.10m ³
	2x	10x30.10m	0.525m	0.200m	= 63.10m ³
	2x	10x30.10m	0.525m	0.200m	= 63.10m ³
	2x	2x30.10m	0.525m	0.200m	= 12.60m ³
9m full width =					
A/c. Kuldeep 22/07/20	1x	10x30.10m	3.10m	0.10m	= 90.10m ³
	1x	10x30.10m	3.10m	0.10m	= 90.10m ³

A/c. Kuldeep 22/07/20	1x	10x30.10m	3.10m	0.10m	= 90.10m ³
	1x	10x30.10m	3.10m	0.10m	= 90.10m ³
	1x	2x30.10m	3.10m	0.10m	= 18.10m ³

For profile correction =

A/c. Kuldeep 22/07/20	6x	2.30m	1.50m	0.10m	= 2.07m ³
	5x	4.60m	2.10m	0.10m	= 4.83m ³
	4x	6.10m	1.90m	0.10m	= 4.63m ³
	8x	5.80m	2.50m	0.10m	= 11.60m ³
	6x	4.80m	2.45m	0.10m	= 7.05m ³

Extra width at H curve.

2x	4.30m	2.70m	0.10m	= 2.32m ³
4x	6.10m	0.580m	0.10m	= 1.39m ³
6x	5.80m	0.60m	0.10m	= 2.08m ³

Total = 678.57m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Earthwork in excavation for structure (H.P. culvert 1x1000mm)					0.54 m ³
Head wall —					
5x2 x 6.450m x 1.40m x 0.50m					135.45 m ³
Below pipe —					
5x1 x 5.780m x 1.530m x 0.250m					11.05 m ³
Total =					146.50 m ³
(8) Laying first class beddly on compacted sand					
Head wall Below pipe —					
5x1 x 5.780m x 1.530m x 0.550m					224.31
Long for pipe —					6.36 m ³
5x1 x 5.780m x 0.12					(-) 6.36 m ³
Total =					17.95 m ³
Adjusted =					17.80 m ³
(9) P.V.C 15" in open foundation					
Head wall —					
5x2 x 6.450m x 1.40m x 0.50m					13.54 m ³
(10) Brick masonry work in cm (1:1) in Head wall & Parapet wall.					
For Head wall					
5x2 x 6.20m x 1.250m + 0.40m					2.46 m
					= 126.08 m ³
For Parapet wall —					
5x2 x 6.20m x 0.60m x 0.60m					14.88 m ³
Long for pipe Parapet —					
5x2 x 1.188 x 0.61					(-) 7.24 m ³
Total =					133.72 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) p/v & carrying R.C.C pipe NP3 of dia 1000 mm $5 \times 3 \times 2.50 \text{ m} = 37.50 \text{ m}$					
(12) plastering with c.m (1:4) on brick work					
Outer sides -					69.13 m^2
($5 \times 2 \times 6.20 \text{ m} \times 0.60 \text{ m}$)					37.20 m^2
Inner sides -					
($5 \times 2 \times 6.20 \text{ m} \times 0.60 \text{ m}$)					37.20 m^2
Top -					
($5 \times 2 \times 6.20 \text{ m} \times 0.40 \text{ m}$)					24.80 m^2
Ends -					
($5 \times 2 \times 2 \times 0.60 \text{ m} \times 0.60 \text{ m}$)					4.80 m^2
Total =					135.93 m^2

checked
26/09/22
J.E.

(13) p/v & boxing of typical
masonry (MDS) conformity
sign box with logo = 02 MD

mm
26/09/22
(J.E.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of cost					
1. Plr 8 fixing of Benchmark pillars.					
02 Nos, vide TMBP-1					
	①	B	3700 = 35/40 - B		7401 = 60
2. Plr 8 fixing of reference pillars.					
07 Nos, vide TMBP-1					
	①	B	1708 = 99/140 - B		11,963 = 60
3. Clearing & grubbing of road land,					
0.616 hect, vide TMBP-2					
	①	B	53879 = 81/440 - B		33189 = 60
4. Excavation for roadway in soil using hydraulic excavators					
168.00 m ³ , vide TMBP-2					
	①	B	75 = 61/m ³ - B		12,702 = 60
5. Construction of embankment with 10000 lead					
1014.42 m ³ , vide TMBP-3					
	①	B	190 = 14/m ³ - B		1,92,891 = 60
			C/d.	B	2,58,146 = 60

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				11 F ₁ B	2,58,146 ⁰⁰
511/6					
Construction of embank.					
- with a road					
upto 100m.					
2367.07 m ³ , vide TMBB-3					
① B 154=40/m ² - B					3,65,479 ²⁰
6/8					
Construction of gravel					
sub-base by priddy					
well graded					
material.					
678.57 m ³ , vide TMBB-4					
① B 2691=82/m ² - B					18,26,588 ²⁰
7/24					
Earthwork in excavation					
for structure.					
146.50 m ³ , vide TMBB-5					
① B 283=94/m ² - B					41,597 ²⁰
8/25					
Laying First class					
bedding on compacted					
sand.					
17.80 m ³ , vide TMBB-5					
① B 496=08/m ² - B					8830 ⁰⁰
9/26					
Plv & Laying P.C.C.MIS					
in open foundation					
12.54 m ³ , vide TMBB-5					
① B 5472=92/m ² - B					74,104 ⁰⁰
Total, B 25,74,744 ⁰⁰					0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			315	1/2	25,741,944 = 60
<u>10</u> 27. Brick masonry work					
		in c.m (1:4) in			
		Half wall & parapet wall,			
	133.72 m ³	vide TMD-5			
	(a) B	5397-98/m ²	- B		7,21,819 = 60
<u>11</u> 28. Plr & Lasy R.C.C					
		pipe NOS of dia			
		1000 mm.			
	37.50 M	vide TMD-6			
	(a) B	358,255/m ²	- B		1,34,310 = 60
<u>12</u> 29. Plastering with c.m					
		(1:4) on brick work			
	135.93 m ²	vide TMD-6			
	(a) B	146-84/m ²	- B		19,960 = 60
<u>13</u> 17. Plr & Finis of typical					
		masonry (N.D.B.) inter-			
		- medly sign bar			
		with logo-			
	02 NOS	vide TMD-6			
	(a) B	9564-72/m ²	- B		19,122 = 60
		Total B			34,69,962 = 60
	Less 18.64% (balu)	(-) B			6,46,801 = 60
					B 28,23,161 = 60

Continuation