

LOST TO Laladikunder mmsy

Schedule XLV-Form No. 134

Ag. No. - 21/SBD/2021-2022

Shexaghatz.

DIVISION

Mohantux.

SUB-DIVISION

SHRIYAM TECHCONS. PVT. LTD

MEASUREMENT BOOK

WORK Start - 28.7.2021

Completion - 27.07.2022

1341

1341

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.	
			<u>Ist on Alcbill</u>		
Name of Work: construction of Road from Lost to Laladit under M.M.V.S.Y.					
Name of Agency—					
Agree:—					
Name of Agency—					
Date of W/O:—					
Date of completion—					

Date of measurement—

Chainage	Area	Mean Area	Length	Volume
in m	in m ²	in m ²	in m	in m ³
0m	6.0			
100m	6.80	6.40	100	640.0
200m	6.50	6.65	100	665.0
300m	6.30	6.40	100	640.0
400m	6.50	6.40	100	640.0
500m	6.0	6.25	100	625.0
600m	6.2	6.10	100	610.0
700m	6.2	6.2	100	620.0m
800m	6.6	6.40	100	640.0m ³
900m	6.4	6.5	100	650m ³
1000m	4.3	5.35	100	535m ³
				6265m ³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
change	fixed	1000	1000	1000	6265m ³
1100	4.5	4.2	100		440m ³
1200	4.2	4.5	100		435m ³
1300	4.1	4.1	100		415m ³
1400	4.3	4.2	100		420m ³
1500	4.3	4.3	100		430m ³
1600	4.4	4.3	100		435m ³
1700	4.1	4.2	100		425m ³
1800	4.0	4.5	100		405m ³
1900	4.2	4.10	100		410m ³
2000	4.3	4.25	100		425m ³
2100	4.10	4.2	100		420m ³
2200	4.4	4.25	100		425m ³
2300	4.2	4.3	100		430m ³
2400	4.4	4.3	100		430m ³
2500	4.10	4.25	100		425m ³
2600	4.20	4.15	100		415m ³
2700	4.30	4.25	100		425m ³
2800	4.20	4.25	100		425m ³
2900	4.3	4.10	100		410m ³
3000	4.3	4.15	100		415m ³
3100	4.5	4.4	100		440m ³
3200	4.2	4.35	100		435m ³
Total					15600m ³

2. Construction of subgrade and earthen shoulder as per

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Specification, 62.82%					
Elw of item no (1), page					
(2) of T.M.B.					6679.92 ³
or 42.82% x 15600 =					9799.42 ³
3. Construction of embankment with lead - 100m					
45% Elw of item					
No - (1), page (2) of T.M.B.					
or 45% x 15,600 =					7020m ³
Limited -					7019.95m ³
4. Construction of Embankment with lead - 100m					

per specification.

12.18-1. Elw of item no (1)

Page - (2) of T.M.B.

or, $42.18\% \times 15600 = 1900.08m^3$

5. Construction of subgrade

and earthen shoulder

as per specification -

$12 \times 25m \times 6.0 \times 0.40 = 720m^3$

$18 \times 25m \times 6.2 \times 0.20 = 558m^3$
1278m³

CD WORK

6. Elw of extra of formwork of

structure as per specification.
for, 300 - 100mm work, 200 - 600mm work,
and 300 - 200mm A.C.C. curbs.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for - 600mm dia -					
F/W: - $2 \times 2 \times 3.90 \times 1.24 \times 1.50 = 29.02$					43.53
Pipe Paving: - $2 \times 6.22 \times 1.12 \times 0.31 = 3.80$					5.76
for - 1000mm dia -					
F/W: - $3 \times 2 \times 6.30 \times 1.4 \times 1.5 = 79.38$					
Pipe Paving: - $3 \times 5.9 \times 1.5 \times 0.30 = 7.98$					
for 200x200mm L.C. Curbst. - 87.36					
Abut: - $3 \times 2 \times 7.6 \times 2.3 \times 1.60 = 167.82$					
R/W: - $3 \times 4 \times 1.6 \times 2.097 \times 1.60 = 64.41$					
					352.41m ³

7. Providing plain concrete

P.C. L.C. on foundation
per specification

Abut: - $3 \times 7.6 \times 2.3 \times 0.20 = 20.97$	
R/W: - $3 \times 4 \times 1.6 \times 2.097 \times 0.20 = 8.04$	
for, 1000mm dia - H.P.C. -	
F/W: - $3 \times 2 \times 6.30 \times 1.4 \times 0.15 = 7.95$	
for, 600mm dia H.P.C. -	
F/W: - $2 \times 2 \times 3.9 \times 1.24 \times 0.15 = 2.90$	
	39.86m ³

8. Providing plain concrete in form

foundⁿ = P.C. L.C. grade - m20 in

foundⁿ = as per specification

for - 600mm dia - H.P.C. -

$$F/W: - 2 \times 2 \times 3.6 \times 0.865 \times 1.35 = 16.82$$

$$\text{relay pipe} - 2 \times 6.22 \times 1.02 \times 0.25 = 3.18$$

for, 1000mm dia H.P.C. -

$$F/W: - 3 \times 2 \times 6 \times 1.025 \times 1.35 = 49.83$$

$$\text{C.O.} / 69.83\text{m}^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				18/12"	69.83 m ²
Below Pipe: -	3	5.9	1.5	0.25	6.63 m ²
for 2m x 2m R.C.C. culvert					
Abut: -	3	2	6.80	1.3	102.81 m ²
R/W: -	3	4	2.43	1.597	65.19 m ²
					244.46 m ²

9. Plain cement concrete

P.C.C. M 20 in Substructure

as per specifications

Abut: - 3 x 2 x 6 x 1.0 x 1.8 = 64.80 m³

R/W: 3 x 4 x 2.43 x 0.749 x 2.090 = 45.64 m³

for 1 room dia pipe

F/W: - 3 x 2 x 6 x 0.533 x 1.8 = 34.56

3 x 2 x 6 x 0.40 x 0.65 = 6.48

for 600 mm dia HPC -

2 x 2 x 3.6 x 0.48 x 1.12 = 7.74 m³

159.22 m³

Leys for pipe provision

2 x 2 x 3.14/4 x 0.72 x 0.52 = 0.84

3 x 2 x 3.14/4 x 1.2² x 0.60 = 4.08

Net P.C.C. = 154.30 m³

10. Providing and Laying

ISI mark cement concrete

Anne Pipe - for 1 room dia -

3 x 3 x 2.5

= 22.50 m

10. Providing and Laying ISI mark

cement concrete Anne Pipe

for 600 mm dia HPC

2 x 3 x 2.5

= 15 m

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15. Supplying, fitting and placing tyrod bar, reinforcement in Super structure as per specification, for 3 No. 2m x 2m Rect. Culvert.					
Main bar: 12mm Φ -					
$3 \times 80 \times 2.73m = 218.40m \times 3 = 655.20m$					
@ 0.89kg/m Σ 583.13kg					
Distribution: 10mm Φ					
$3 \times 34 \times 5.95m = 606.90m$					
@ 0.62kg/m Σ 376.28kg					
12mm dia TOP main bar -					
$3 \times 80 \times 2.60m = 624m$					
@ 0.89kg/m Σ 555.3kg					

Top distribution: 10mm Φ -

$$3 \times 34 \times 5.95m = 606.90m$$

Side distribution Top: 10mm Φ

$$3 \times 2 \times 5 \times 5.95m = 178.5m$$

$$785.40m$$

$$@ 0.62kg/m \Sigma 486.95kg$$

$$2001.72kg$$

Limited - 1986kg

16. Providing and laying
reinforced cement concrete
in Super structure as per
specification.

$$3 \times 2.6 \times 6.0 \times 0.25 = 11.70m^3$$

$$= 11.22m^3$$

17. Back filling behind

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abutment, wing wall and R/W.					
Land material -					
Trench filling: - $3 \times 2 \times 4.504 \times 1.8 =$					48.64 m ³
$3 \times 6 \times 3.19 =$					57.42 m ³
					106.06 m ³

18② construction of Bench

mark and reference pillars -

$$132 \times 25 \text{ m} = 3300 \text{ m}$$

$$2 \times 30 \text{ m} = 60 \text{ m}$$

$$1 \times 18 \text{ m} = 18 \text{ m}$$

$$3378$$

$$\text{or } 3.378 \text{ km}$$

(ii) construction of reference pillars
 quantity of sample standard (18) @ - 3.378 km
 (iii) clearing sand grubbing
 Road Land

$$132 \times 25 \text{ m} \times 7.0 = 23100 \text{ m}^2$$

$$2 \times 30 \text{ m} \times 7.0 = 420 \text{ m}^2$$

$$1 \times 18 \times 7.0 = 126 \text{ m}^2$$

$$23646 \text{ m}^2$$

$$\text{or } 2.3646 \text{ Hectar}$$

20. Dismantling of existing

structure -

$$\text{Cement concrete} - 2 \times 5 \times 0.15 = 1.5$$

$$1 \times 4 \times 5 \times 0.15 = 3.0$$

$$4.50 \text{ m}^3$$

$$\text{limited} - 3.39 \text{ m}^3$$

21. Dismantling of existing

structure like culverts, bridges

concrete masonry: _____

Material Statement

1. E/W. - $17500.08 m^3$
2. chgs - $406.08 m^3$
3. sand: $417.20 m^3$

27/11/22
J.C

ABSTRACT OF WORK

(i) Construction of Bench mark
Quantity rate Rate - ⑧
 $3.378 \text{ km} @ \text{Rs. } 3704.84/\text{km} = 12514 =$

(ii) Construction of settle
Pence pillars quantity rate
Rate - ⑧ - 3.378 km
 $@ \text{Rs. } 1683.34/\text{km} = 5686 =$
C.O.P. 18200 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				13/12/11	18200 =
2. clearing and grubbing Road Land Quantity					
vide Rate (3), 2.86 Hec. at					
@ Rs. 52998.25/Hect. R.					125076 =
3. Construction of embankment with material obtained from Leads - 1000 m.					
Quantity vide Rate (3)					
1900.08 m ³ @ Rs. 192.03/m ³ R.					364872 =
4. Construction of embankment with Lead - 100 m.					
Quantity vide Rate (3)					
7019.95 m ³ @ Rs. 154.58/m ³ R.					1085144 =
6. Construction of Subgrade and earthen shoulder Quantity vide Rate - (3)					
6679.92 m ³					
Rate - (3) 1278.00/m ³					
7957920					
@ Rs. 176.64/m ³ R.					1405687 =
7. E.I.W. on excavation for masonry of structure					
Quantity vide Rate - (4)					
352.41 m ³ @ Rs. 305.42/m ³ R.					107626 =
C.R. 3106605 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				13/12/88	3106605:
8. Paved along Plan concrete in open found ^{ly} for leveling p.c.c. on 10- th century wide Rafe - (4)					
39.66 m ³ @ 1/12/88	4483	57/12/88			178707:
9. Paved along Main concrete p.c.c. m ²⁰ for found the 10th century m ²⁰ Rafe - (5) - 244.46 m ³					
	@ 1/12/88	59/12/88			12016682
10. Paved along Main concrete m ²⁰					
in substructure 10th century wide Rafe - (5)					
154.30 m ³ @ 1/12/88	5148	18/12/88			794364:
11. Paved along and Laying 13th mark corner concrete HP. 600 mm dia. 10th century wide Rafe - (5) - 15 m					
	@ 1/12/88	1172.20	1/12/88		17583:
12. Paved along and Laying 13th mark corner concrete HP. 1000 mm dia. - HP on 10th century wide Rafe - (5)					
22.5 m @ 1/12/88	3686	10/12/88			82937:
				C. 1/12/88	53,81,861:

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				13/1204.	53,81,861=
13. Filling in foundry trenches quantity rate - (6), 31.12 m ³					
@ Rs. 522.31/m ³ Rf.					16254=
14. Laying bedding on well compacted sand quantity rate - (6)					
4.98 m ³ @ Rs. 522.31/m ³ Rf.					2601=
15. Reinforced concrete in bearing on substructure quantity					
width - (6) 12.42 m					
@ Rs. 5410.31/m ³ Rf.					67196=
(16). Supplying & placing of 1750 bars in Super structure quantity					
width - (7) - 19.86 kg					
or - 1.986 m.t					
@ Rs. 54331.10/m.t Rf.					108021=
(17) Forming and laying reinforced concrete in Super structure quantity					
width - (7), 11.22 m					
@ Rs. 6155.76/m ² Rf.					69068=
				work.	5645001=

Continuation