

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- Const ⁿ of road from Chiraiya Purnaliya Path to Kadamua -Gumaria Tola ward no-8 (Hajam Tola) road. under MMSY (SC)					
Agency- Dhruv Narayan Mishra At- Raghunathpur ward no-07 Motihari, East Champaran					
Agreement No- 32 SBP/2020-21					
Agreement value- 1,17,45,034=0					

Date of work order— 24/11/2020

Date of Completion— 23/11/2021

Record Entry

- ① Constⁿ of benchmark— 1.480 km
- ② Constⁿ of Ref. Pillar— 1.480 km
- ③ Provⁿ and fixing MMSY
informatory sign board— 2 Nos
- ④ Clearing and grubbing
road land

2	X 10	X 30	X 1.50 =	900.00 m ²
2	X 10	X 30	X 1.50 =	900.00 m ²
2	X 10	X 30	X 1.50 =	900.00 m ²
2	X 10	X 30	X 1.50 =	900.00 m ²
2	X 9	X 30	X 1.50 =	810.00 m ²
2	X 1	X 10	X 1.50 =	30.00 m ²

Continuation

4440.00 m²
= 0.44 hect

③ Proven Pe M15 in foundn	
below raft - 1 x 2.50 x 6.00 x 0.100 =	1.50M ³
e/w (stem) 2 x 3.50 x 0.45 x 0.60 =	1.89M ³
c/w (root) 2 x 3.50 x 0.55 x 0.100 =	0.39M ³
1.50 + 1.89 + 0.39 =	3.78M ³
	2.28M ³
	1.50M ³
<u>pechen</u>	
5/2/2021	

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Reinforced Embankment					
① S/F/H/H/D bars in substructure					
Detached wall					
Detached wall main bar					
to bed level 10mm ϕ bar					
1 X 2 X 2 X 12 X 1.36 =					65.28 M
Distribution bar 10mm ϕ bar					
1 X 2 X 2 X 6 X 6.50 =					156.00 M
Distribution bar (above bed level)					
10mm ϕ bar					
1 X 4 X 2 X 13 X 2.25 =					234.00 M
cover lap bar					
10mm ϕ take for overlap					
1 X 38 X 0.40 =					30.40 M
Raft upper & lower bar					
10mm ϕ					
1 X 2 X 50 X 2.00 =					200.00 M
1 X 4 X 2 X 11 X 3.55 =					312.40 M
Angle bar in raft					
10mm ϕ bar					
1 X 2 X 40 X 1.40 =					112.00 M
Abutment out side bar					
10mm ϕ bar					
1 X 2 X 40 X 3.80 =					304.00 M
Abutment in side bar					
10mm ϕ bar					
1 X 2 X 30 X 2.50 =					150.00 M

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Distribution bar (long bar)					
(All side)					
10 mm ϕ bar					
$7 \times 8 \times 11 \times 6.00 =$					528.00M
overlap bar 10 mm ϕ					
$1 \times 1.40 \times 0.40 =$					56.00M
slab upper Portion 10 mm ϕ					
$7 \times 40 \times 2.50 =$					100.00M
slab lower Portion					
12 mm ϕ bar					
$1 \times 40 \times 2.50 =$					100.00M
4m slab (Angle bar)					
8 mm ϕ bar					
$1 \times 2 \times 40 \times 1.40 =$					112.00M
Hand:-					
8 mm ϕ bar					
$1 \times 4 \times 40 \times 1.15 =$					184.00M
Parapet :-					
Parapet Main bar					
10 mm ϕ bar					
$1 \times 2 \times 2 \times 12 \times 1.00 =$					48.00M
Distribution bar 10 mm ϕ					
$1 \times 2 \times 2 \times 4 \times 2.50 =$					40.00M
overlap bar 10 mm ϕ					
$1 \times 5 \times 0.40 =$					20.00M
Total length of 8 mm ϕ bar					
$= 112.00 + 184.00 = 296.00M$					
Continuation					
$296.00 \times 0.40 \text{ kg/m} = 118.40 \text{ kg}$					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Total length of 10mm ϕ bar					
65.28 + 156.00 + 234.00 +					
15.20 + 200.00 + 312.40 +					
112.00 + 304.00 + 150 +					
528.00 + 56.00 + 100.00					
+ 48.00 + 40.00 + 20.40					
= 2341.28 M @ 0.617 kg/M = 1444.56 kg.					
Total length of 12mm ϕ bar					
= 100.00 M @ 0.89 kg/M = 89.00 kg					
Total weight of bar					
= 118.40 + 1444.56 + 89.00					
= 1651.96 kg = 1.65 MT					
Limited - 1.61 MT					

Sehohy
20/2/2024
SB

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Entry</u>					
(1) Brown Rect 25 in box wall					
Raft- 1	x 2.50	x 6.40	x 0.25	=	3.75 m ³
Abut- 2	x 2.00	x 6.40	x 0.25	=	6.40 m ³
D/S- 1	x 2.50	x 6.40	x 0.25	=	3.75 m ³
Parapet	2 x 2.50	x 0.25	x 0.60	=	0.75 m ³
Detached	2 x 9.10	x 0.30	x 1.50	=	8.19 m ³
elw- Hunch.	2 x 0.15	x 0.15	x 6.40	=	0.27 m ³
					<u>22.71 m³</u>
(2) Brown weep hole					
2	x 5	x 2	=	20.6 m ³	
(3) Brown back filling					
2	x 6.40	x 2.10	x 0.60	=	14.40 m ³

<u>Record Entry</u>					
25/2/2021					
ST					
100					
200					
300					
400					
500					
600					
700					
800					
900					
1000					
1100					
1200					
1300					
1400					
1500					
1600					
1700					
1800					
1900					
2000					

Continuation

Sch. XLV—Form No. 134					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>E/w calculation sheet</u>					
Ch	Area	H. Area	length	Volume	
0	0.469				
50	0.648	0.559	50	27.925	
100	0.518	0.583	50	29.150	
150	0.573	0.546	50	27.275	
200	1.039	0.806	50	40.300	
250	1.336	1.188	50	59.375	
300	0.861	1.099	50	54.925	
350	1.085	0.973	50	48.650	
400	1.050	1.068	50	53.375	
450	1.049	1.050	50	52.475	
500	0.984	1.017	50	50.825	
550	1.030	1.087	50	50.350	
600	1.124	1.077	50	53.850	
650	0.968	1.046	50	52.300	
700	2.046	1.507	50	75.350	
750	2.259	2.153	50	107.625	
800	1.337	1.798	50	89.900	
850	1.629	1.483	50	74.150	
900	0.592	1.111	50	55.525	
950	0.046	0.319	50	15.950	
1000	0.606	0.326	50	16.300	
1050	0.136	0.371	50	18.550	
1100	0.762	0.449	50	22.450	
1150	0.813	0.788	50	39.375	
1200	1.079	0.946	50	47.300	
1250	1.050	1.040	50	51.975	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1300	0.704	0.952	50		47.600
1350	1.385	1.145	50		57.225
1400	0.192	0.788	50		39.425
1450	0.107	0.150	50		7.475
1480	0.165	0.436	30		4.080
Total of 100 ft				500	1371.030

(i) Contn of embankment
bead up to 100 ft

$$Qty = 30\% \text{ of } 1371.030 = 411.309$$

(ii) Contn of embankment
bead up to 100 ft

$$Qty = 70\% \text{ of } 1371.030 = 959.721$$

(iii) Contn of Subgrade and
cushion - shoulder

$$5 \times 30 \times 5.50 \times 0.30 = 247.50 \text{ m}^3$$

$$5 \times 30 \times 5.50 \times 0.30 = 247.50 \text{ m}^3$$

$$5 \times 30 \times 5.50 \times 0.30 = 247.50 \text{ m}^3$$

$$5 \times 30 \times 5.50 \times 0.30 = 247.50 \text{ m}^3$$

$$5 \times 30 \times 5.50 \times 0.30 = 247.50 \text{ m}^3$$

$$5 \times 30 \times 5.50 \times 0.30 = 247.50 \text{ m}^3$$

$$6 \times 40 \times 5.50 \times 0.30 = 297.00 \text{ m}^3$$

$$1 \times 24 \times 5.50 \times 0.30 = 39.60 \text{ m}^3$$

$$1821.60 \text{ m}^3$$

beachery
15/10/2021

Continuation

Sch. XLV—Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
<u>Record Entry</u>					
(D) Excavation for roadwork (box cutting)					
2	x 4	x 30	x 0.525	x 0.100 = 12.60M ³	
2	x 4	x 30	x 0.525	x 0.100 = 12.60M ³	
2	x 1	x 26	x 0.525	x 0.100 = 2.73M ³	
				<u>27.93M³</u>	
<u>Section</u>					
5/3/2021					
12					

<u>Record Entry</u>					
(D) Prov ⁿ granular sub base					
grading I					
widening	2	x 4	x 30	x 0.525	x 0.100 = 12.60M ³
	2	x 4	x 30	x 0.525	x 0.100 = 12.60M ³
	2	x 1	x 26	x 0.525	x 0.100 = 2.73M ³
for leveling	1	x 6.4	x 1.90	x 0.100	= 1.14M ³
2 pot repair	1	x 5.50	x 0.90	x 0.100	= 0.49M ³
	1	x 8.10	x 2.20	x 0.100	= 1.78M ³
	1	x 4.20	x 1.20	x 0.100	= 0.50M ³
	1	x 5.15	x 1.80	x 0.100	= 0.93M ³
	1	x 6.20	x 1.70	x 0.100	= 1.05M ³
	1	x 4.90	x 1.40	x 0.100	= 0.49M ³
overlay	8	x 30	x 4.05	x 0.100	= 97.20M ³
	1	x 26	x 4.05	x 0.100	= 10.53M ³
Continuation					<u>142.04M³</u>

Continuation

Abstract of cost

11

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Constn of benchmark					
Q-VIMBP 1(1) = 1.480 km					
e R. 10712.721 km R.					15855=0
② Constn of Ref. Pillar					
Q-VIMBP 1(2) = 1.480 km					
e R. 11250.671 km R.					16651=0
③ Clearing and grubbing road land					
Q-VIMBP 1(4) = 0.44 hect					
e R. 51133.761 hect R.					2,2499=0
④ Constn of embankment lead up to 1000 M					
Q-VIMBP 8(1) = 411.3013					
e R. 202=52/M ² R.					83296=0
⑤ Constn of subgrade and earthen shoulder					
Q-VIMBP 8(2) = 1821.6011					
e R. 204=16/M ² R.					3,71898=0
⑥ Constn of embankment lead up to 1000 M					
Q-VIMBP 8(1) = 959.7211					
e R. 167=411/M ² R.					1,60667=0
⑦ Excavation for roadway (box cutting)					
Q-VIMBP 9(1) = 27.93 M ²					
e R. 74=16/M ³ R.					2071=0

Continuation

6,72,937=0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) (9) Prov ⁿ granular sub base grading					
Q-VI MBP 1 (D) = 1036.28 M ²					
Q-R - 3012.74 / M ³ R - 3122.042 = 00					
(9) (23) Prov ⁿ and fixing MHSY informatory sign board					
Q-VI MBP 1 (D) = 2.14 M					
Q-R - 11537.89 / each R - 2.3076 = 00					
(10) (31) E/w in excavations foundation					
Q-VI MBP 2 (D) = 22.21 M					
Q-R - 269.32 / M ³ R - 5982 = 00					
(11) (32) Prov ⁿ sand filling in foundn trenches					
Q-VI MBP 2 (D) = 2.05 M					
Q-R - 400.59 / M ³ R - 821 = 00					
(12) (34) Prov ⁿ Rec H15 in formels					
Q-VI MBP 2 (D) = 1.50 M					
Q-R - 6184.29 / M ³ R - 9276 = 00					
(13) (39) Prov ⁿ Rec M25 in box cell.					
Q-VI MBP 6 (D) = 22.71 M					
Q-R - 7719.98 / M ³ R - 175321 = 00					
(14) (40) Prov ⁿ back filling					
Q-VI MBP 6 (D) = 14.40 M					
Q-R - 2884.70 / M ³ R - 41540 = 00					
Continuation					410,50,995 = 00

Sch. XLV—Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
(15) (41) Prov'n weep holes					
Q-VIMB P 6 (D) = 2.0 Nos					
e R - 83.11 each - R -					1662.20
(16) (43) S/F/F HYSD bars in - sub structure					
Q-VIMB P 3 (D) = 1.61 M					
e R - 46130.99/MT R -					74271.00
					R - 41,26,928.00
Less 0.06% below					
Add 12% GST (+)					495231.00
Add 1% Labour (+)					41269.00
Add 5% Ignorage (+)					62410.00
					R - 47,25,838.00
Less 0.06% below					2835.00
					R - 47,23,003.00
Exchng					
25/3/2021					

Continuation