

W/Scheme: - Report Madhuan to Sundar Chack.
length - 0.415-1-M.
Schedule XLV Form No. 134.

Ag no: - 33/SBD/2020-21

DIVISION

W/cont: - Prakash-Chandra Prakasho.

SUB-DIVISION

Below: - 2.50 f

Measurement Book

Atto 31 f 051 - 24 f 12-311

1219

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.	
Name of work:-	Construction & 5 years				
	Maintenance of road from				
	Rosut Moelhu to Sundar				
	Chok under M.M.C.S. (SC) in				
	Dhanuwa Block				
N/Contractor:-	Prakash Chandra Prakash				
Pgs No	33/SRD/2020-21				
Start date	4/2/2021				
Est Comp date	3/11/2021				
① P & G trip workshop Bunk					
Mark					
Maintent →	140.228 km				= 0.228 km
② Clearing & grubbing					
road bed					
	$7 \times 30.00 \times 6.00 (AV) = 1260.00 m^2$				
	$17 \times 18.00 \times 5.00 (AV) = 90.00$				
	$(2 \times 30.00 \times 6.00 (AV) = 240.00$				
	$1 \times 6.60 \times 4.00 (AV) = 26.40$				
	$1 \times 37.00 \times 3.00 (AV) = 111.00$				
	$2 \times 25.00 \times 2.00 (AV) = 100.00$				
					= 1827.40 m ²
					= 0.183 Hect
③ Construction of Embank					

P 24/5/21 A.P.				P 24/5/21 A.P.	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	28.70	3.50	(Av)	100.45 m ²
	1	26.60	5.15	(Av)	136.99 m ²
	1	27.70	3.15	(Av)	87.26 "
	1	22.00	5.10	(Av)	112.20 "
	1	22.00	3.75	(Av)	82.50
	2	30.00	3.25	(Av)	195.00
	1	18.90	3.25	(Av)	61.43
	1	8.90	13.75		122.38 122.38
Less.	1	3.70	3.60		13.32
	1	3.20	10.00		32.00
	1	10.00	4.00		40.00
	1	32.00	2.20	(Av)	70.40
In side village for taheshwar					
	1	13.70	3.70	(Av)	50.69
	1	20.00	3.30	(Av)	66.00
	1	12.90	5.45	(Av)	66.49
	1	12.40	5.55	(Av)	68.92
	1	1.50	1.40	(Av)	2.10
	1	5.80	1.80	(Av)	10.44
	1	1.00	2.90	(Av)	2.90
for village for taheshwar					
	1	37.00	2.50	(Av)	92.50
for village for taheshwar					
	1	27.30	1.90	(Av)	51.87
	1	13.40	2.80	(Av)	37.52
	1	9.30	1.55	(Av)	14.42
					1497.05 m²

c-o

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Inlet	1	10.00	1.00	(AV)	10.00
		6.70	2.05	(AV)	13.74
		1	4.60	4.00	18.40
		1	9.60	1.45 (AV)	13.92
					= 1547.11 m ²
Less Area of Chamber					
		2	1.00	1.00	= 24.00 m ²
					Total Area = 1523.11 m ²
					1523.11 m² (AV)
					1523.11 m ² × 0.125 (AV) = 190.39 m ³
(3/6) Construction of G.S.R. G.S.					
					do do do do

Area same as 2/6. above 1523.11 m²

$$Q_{G.S.} = 1523.11 \times 0.10$$

$$= 152.31 \text{ m}^3$$

(4/6) Const of W.B.M. G.S.

✓	1	28.70	3.50	(AV)	100.45 m ²
	1	26.60	5.15	(AV)	83.79 "
	1	27.70	3.15	(AV)	87.26 "
	1	22.00	5.10	(AV)	112.20 "
	1	22.00	3.75	(AV)	82.50 "
	2	30.00	3.25	(AV)	195.00 "
	1	18.90	5.25	(AV)	61.43
	1	8.90	13.75	(AV)	122.38

Less for 1 × 3.60 × 3.70 = 13.32

Continuation

= 831.69 m²

$$BF = 831.69 \text{ m}^2$$
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>1st A/c Bill</u>					
N/work:	Construction & 5 years Maint of road Kozhikott Madhuban to Sundarakan under mmsy (Sc) in Dhanam Block				
M/C:-	Prakash Chandra Prakash				
Agree:-	33/530/2020-21.				
Start date	4/2/2021				
Est date of Comp.	3/11/2021				
<u>work done</u>					
⑧ Constr of Unsurfaced					

Cement Concrete Road					
14.30					
From 00 to 260M.					
✓	1x	7.00	4.85	3.15	x 0.160 = 4.48 M ³
				2	
✓	1x	7.00	3.15	3.50	x 0.160 = 3.72 "
				2	
✓	1x	14.70	3.50	3.20	x 0.160 = 8.00 "
				3	
✓	1x	5.30	5.50	1.60	x 0.160 = 4.28 "
				2	
✓	1x	11.30	3.30	4.20	x 0.160 = 7.59 "
				3	
✓	1x	10.00	5.10	6.90	x 0.160 = 9.60 "
				7	
✓	1x	16.70	3.30	2.80	x 0.160 = 8.15 "
				3	
✓	1x	11.00	3.05	4.10	x 0.160 = 6.29 "
				5	
					= 52.11 M ³

Continuation

Sch. XLV-Form No. 134

BF = 52.11 m²

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
1 x 8 m x $\frac{5.70 + 6.30}{2} \times 0.160$					7.68 m ²
1 x 7 m x $\frac{4.50 + 4.70}{2} \times 0.160$					5.15 "
1 x 7 m x $\frac{4.70 + 4.20}{2} \times 0.160$					4.98 "
1 x 7 m x 3.10 x 0.160					3.47 "
1 x 9.70 x $\frac{2.10 + 4.00}{2} \times 0.160$					5.51 "
1 x 5.30 x $\frac{6.30 + 3.00}{2} \times 0.160$					3.94 "
1 x 16.00 x $\frac{3.30 + 3.15}{2} \times 0.160$					8.26 "
1 x 20.60 x $\frac{3.15 \times 0.160}{2}$					10.38 "
1 x 23.90 x $\frac{3.15 \times 0.160}{2}$					12.05 "
1 x 18.40 x $\frac{3.20 + 3.50}{2} \times 0.160$					9.86 "
1 x 8.90 x $\frac{12.40 + 5.00}{2} \times 0.160$					19.51 "
1 x 3.60 x 3.70 x 0.160 (-)					2.13 "
1 x 3.20 x 10.00 x 0.160					5.12 "
1 x 10 m x $\frac{3.75 + 4.30}{2} \times 0.160$					6.40 "
1 x 10 m x 4.20 x 0.160					3.52 "
1 x 11 m x $\frac{2.50 + 2.30}{2} \times 0.160$					4.22 "
1 x 11 m x $\frac{2.30 + 1.70}{2} \times 0.160$					3.52 "
From 3rd of Hahakha					
1 x 1.50 x $\frac{7.10 + 0.5}{2} \times 0.160$					0.34 "
1 x 3.25 x $\frac{6.25 + 3.75}{2} \times 0.160$					2.60 "
1 x 0.90 x $\frac{3.75 + 3.45}{2} \times 0.160$					0.58 "
1 x 9.60 x $\frac{3.45 + 3.75}{2} \times 0.160$					5.03 "
1 x 3.50 x 1.50 x 0.160					0.87 "
1 x 2.30 x 5.40 x 0.160					0.74 "
1 x 10.70 x 3.40 x 0.160					5.55 "
1 x 10 m x $\frac{2.00 + 3.50}{2} \times 0.160$					5.08 "

= 184.23 m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
T/RH-	1	7.10	$\frac{5.40+5.00}{2}$	$\times 0.160$	$5.91 m^3$
	1	1.50	$\times 5.90$	$\times 0.160$	$1.46''$
	1	3.40	$\times 5.90$	$\times 0.160$	$3.21''$
T/LH-	1	1.70	$\times 3.60$	$\times 0.160$	$1.60''$
	1	1.30	$\times 5.90$	$\times 0.160$	$1.23''$
	1	6.50	$\frac{6.50+6.35}{2}$	$\times 0.160$	$6.68''$
	1	1.50	$\frac{6.35+4.15}{2}$	$\times 0.160$	$1.26''$
	1	1.40	$\times 4.00$	$\times 0.160$	$0.90''$
	1	1.00	$\times 2.90$	$\times 0.160$	$0.46''$
T-200 Gopal Thokur					
	1	17.40	$\times 2.50$	$\times 0.160$	$6.96''$
	1	19.60	$\frac{2.40+2.50+2.40}{3}$		
				$\times 0.160$	7.63
From Vajay Singh Lunda					
	1	7.00	$\times 1.90$	$\times 0.160$	$2.13''$
	1	6.80	$\times 1.80$	$\times 0.160$	$1.96''$
	1	13.50	$\frac{2.00+1.90}{2}$	$\times 0.160$	$4.21''$
T/LH-	1	7.20	$\times 2.50$	$\times 0.160$	$3.12''$
From	1	5.60	$\frac{2.50+3.90}{2}$	$\times 0.160$	$2.87''$
	1	9.30	$\frac{1.60+1.50}{2}$	$\times 0.160$	$2.31''$
Links					
To Shri Rupan					
	1	10.00	$\times 1.00$	$\times 0.160$	$1.60''$
To Dilip Thokur					
	1	6.70	$\frac{2.35+1.50}{2}$	$\times 0.160$	$2.17''$
	1	8.50	$\frac{1.70+1.50}{2}$	$\times 0.160$	$2.18''$
	1	4.00	$\times 1.90$	$\times 0.160$	$1.22''$

Continuation

 $= 245.40 m^3$

$$B_F = 245.40 \text{ MP}$$

~~Estimate of the work~~

ABSTRACT OF COST.

(1/1) Fixing Working Bench
Mark & set station.
= 0.228 RM/VP-I, (H 1/1)
@ 11193 = 49 / RM — ₹ 2552.40

(2/2) Clearing & grubbing some
land — — —
= 0.183 Haei (P-I, H 2/2)
@ 52970 = 33 / Haei — ₹ 9494.20

(3/3) Construction of Embankment
— — — — —
= 883.91 m³ (P-2, H No. 3)
@ 190.57 / m³ — ₹ 168447.00

₹ 180693.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BF	2	26,29.961:00
Add: Lab. Cons @ 1% -				107	26300:00
Add: GST @ 12% -				117	315595:00
Add: Reg. Fee -					
(I) Embt/ Ejw					
= 883.91 m ³ @ 3.48/m ³					3076:00
(II) GSB-G3					
= 152.31 m ³ @ 55.58/m ³					8465:00
(III) WBM-G3					
= 93.86 m ³ @ 71.43/m ³					6704:00
(IV) C.C. Pavement-1:30					
= 246.73 m ³					
@ 60.29/m ³					14875:00
(V) Coarse Sand					
= 190.39 m ³ @ 17.58/m ³					3347:00
					236467:00 (1) 36467:00
					230,08,323:00
Less 2.50 % Disp. below					(-1) 75,208:00
Payable Amount -					229,33,115:00
<i>P</i> 28/10/2021 8E					22/12/21 A.F.
Material Statement					
(I) Stone Melap. (GSB+G3)					= 259.78 m ³
(II) Stone Stopp					= 22.53 m ³
(III) Stone Chips					= 222.10 m ³
(IV) Coarse Sand					= 376.04 m ³
(V) Earth @					= 883.91 m ³

P 28/10/2021
8E

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2/10) 200 M. Stone					
			Total	- 1 No	
(3/11) 600 mm Circular spread					
Limit			Total	- 8 Nos	
(4/12) 900 mm. equilateral (Lift					
Engl)			Total	- 4 Nos	
(5/13) 600 x 450 mm Rectangular					
T/sep					
			Total	- 4 Nos	
(6/14) Not applied Thermo					
Plastic Band					
In Man by 1/1	2 x 8 x	30.00 x 0.10			48.00 M ²
	2 x 1 x	4.00 x 0.10			0.80
In Side village	2 x 30.00 x	0.10			6.00
	2 x 1 x	6.00 x 0.10			1.20
	2 x 1 x 37.00	0.10			7.40
	2 x 4.60	0.10			0.92
	2 x 9.60	0.10			1.92
			Total		66.24 M ²
(7/15) Lay in 300 ϕ duct					
Pipe					
	3 x 2 x 2.50				15.00 M
(8/16) Direction & Place Road					
dead in Sign Board					
			Total	- 1 No	
(9/17) Pipe Maintenance Band					
			Total	- 1 No	

Continuation

1st Ark Bell

ABSTRACT OF COST

(1) Fencing working fence
Mark & sett. Bulla -
do - do

= 0.228 km (V.P. 9, 9 + 1/1)

(i) 11193 = 49/km

— ₹ 2552 = w

(2/2) Clearing & grubbing road
Land — do

= 0.183 Hact (P. 9, 9 + 2/2)

(ii) 52970 = 33/Hact

— ₹ 9690 = w

Continuation

₹ 12242 = w

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3/3) Construction of Embankment - do ——— do					
= 883.91 m ³ (P-9, Q 7/3)					
① 190 = 57/m ³					₹ 16844.72=
(4A) Const of Earthen Shore - Loch ——— do					
= 13.41 m ³ (P-14, Q 1 1/4)					
① 190 = 01/m ³					₹ 2548=
(5/5) Coarse sand fill - P do ——— do					
= 190.39 m ³ (U.P-10, Q 4 1/2)					
① 1779 = 92/m ³					₹ 338784=
(6/6) Const of G.S.B. Gr I = 152.31 m ³ (P-10, Q 5/6)					
① 2457 = 41/m ³					₹ 374288=
(7/7) W.P.M. Gr 3 - do do Comp. do					
= 93.86 m ³ (P-10, Q 6/7)					
① 3081 = 11/m ³					₹ 289193=
(8/8) Const of unreinforced C.C. Pavement M-30 - do ——— do					
= 246.73 m ³ (P-10, Q 7/8)					
① 6193 = 63/m ³					₹ 1528154=
(9/9) Fit & RM Stone - = 1 MV (P-12, Q 1/9)					
① 2079 = 81 each					₹ 2080=

Continuation $\bar{2}$ 2715-736-a

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
do — do Cont					
= 2 Nos (P-10, P-9/7)					
= 1 No (P-13, P-9/7)					
= 3 Nos @ 9424 = 57000 - ₹ 28274=6					
					₹ 28,82,370=
(18/5) Add 1% Lab Cons — ₹ 28824=00					
(19/5) Add 12% G.T — ₹ 3,45,884=5					
(20/5) Add. Selp. Fee.					
(I) E/W in Embt + Shoulder					
= 897.32 m ³ @ 3.48/m ³ — ₹ 3123=00					
(II) GSB. Gr 2					
= 152.31 m ³ @ 55 = 8377 m ³ ₹ 8465=00					
(III) WBM. Gr 3					
= 93.86 m ³ @ 7.23/m ³ 6794=00					
(IV) Course Sand					
= 190.39 m ³ @ 17.58/m ³ ₹ 3347=00					
(V) C.C.P. M-30					
= 246.73 m ³ @ 60.29/m ³ — ₹ 14875=00					
					₹ 36,514=00 - (7) 36,514=00
					₹ 32,93,595=
Less 2.50% As per Below — ₹ 82340=00					
					₹ 32,11,255=00
less previous b/w — — ₹ — Nil. —					
Payable —					₹ 32,11,255=00
P 25/11/22 OK					
Award 25/11/22 A.B.					
Cgs					
10/11/22					