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To Sri.....Babam Ram.....A.E. R.W.D
Work Sub-Div.....Kutumba.....

10/7/20
Executive Engineer
Rural Works Division, mt
Works Division, Aurangabad

Subordinate XLV - Form No. 134.

E.E. A. bad DIVISION.

A.E. Kutumba DIVISION.

MEASUREMENT BOOK.

2791
211639

Shri Babam Ram A.E. Kutumba

Director of Survey

Director of Survey

निर्माण कार्य के लिए, नया !

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.	
	1st on				
Name of contractor: - Ram nandan Singh					
1st on A/C bill					
N/w - construction for road					
from Dumari Harjan Tola					
Agency: - Sri Ram nandan Singh					
CNCPL NO - 13 (5011)					
Agreement No -					
Date of work start: -					
Date of completion: -					
measurement					

Constⁿ of HPC

1. E/W in excavation

in foundⁿ

$$H/W - 2 \times 9 \times 3.90 \times 1.15 \times 1.50 = 121.09 m^3$$

$$BHP - 1 \times 9 \times 5.35 \times 1.13 \times 0.36 = 19.59$$

$$140.68 m^3$$

2. providing m/s (PCC)

(PCC 1:2:5:5)

$$H/W - 2 \times 9 \times 3.90 \times 1.15 \times 0.15 = 12.11 m^3$$

$$BHP - 1 \times 9 \times 5.31 \times 1.13 \times 0.25 = 13.51$$

$$25.62 m^3$$

3. plain (reinforced cement

concrete work

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
H/W - $2 \times 9 \times 3.60 \times 0.70 \times 2.78 =$					126.11 m^3
parapet - $2 \times 9 \times 3.60 \times 0.40 \times 0.60 =$					15.56 m^3
less for pipe - $2 \times 9 \times 0.79 \times 0.83 \times 0.83 \times 0.53 =$					5.19 m^3
					<u>136.48 m^3</u>

4. Providing and laying
RCC pipe

$$3 \times 9 \times 2.50 = 67.50 \text{ m}$$

5. painting on parapet wall

$$\text{Top} - 2 \times 9 \times 3.60 \times 0.4 = 25.92 \text{ m}^2$$

$$\text{Side} - 2 \times 9 \times 3.60 \times 0.6 = 77.76 \text{ m}^2$$

$$\text{front} - 4 \times 9 \times 0.40 \times 0.6 = 8.64 \text{ m}^2$$

$$\underline{112.32 \text{ m}^2}$$

6. clearing and grubbing

$$30 \times 2.50 \times 30 \times 3.50 \times 30 \times 3.50$$

$$30 \times 30 \times 3.50 = 3150.00$$

$$30 \times 30 \times 3.50 = 3150.00$$

$$30 \times 30 \times 3.50 = 3150.00$$

$$\underline{9450.00}$$

Both side

$$2 \times 9450 = 18900.00$$

$$= 1.89 \text{ Heef}$$

7. Construction of
embankment. It is
all complete job
of 20' per direction
of E/I

Continuation

Earth Calculation Chart

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
<u>SL</u>	<u>CH</u>	<u>f/A</u>	<u>M/A</u>	<u>Dist.</u>	<u>Volume</u>
1.	0	1.248	—	—	—
2	50	1.489	1.369	50	68.425
3	100	0.355	0.922	50	46.150
4	150	0.834	0.595	50	29.725
5	200	1.406	1.120	50	56.00
6	250	0.765	1.086	50	54.275
7	300	0.368	0.387	50	28.325
8	350	0.314	0.341	50	17.050
9	400	0.293	0.304	50	15.175
10	450	0.855	0.574	50	28.700
11	500	0.673	0.764	50	38.200
12	550	0.816	0.745	50	37.225
13	600	0.314	0.565	50	28.250
14	650	0.332	0.323	50	16.150
15	700	0.512	0.422	50	21.100
16	750	0.595	0.534	50	27.675
17	800	0.685	0.640	50	32.00
18	850	0.916	0.801	50	40.025
19	900	0.966	0.941	50	47.050
20	950	0.905	0.936	50	41.675
21	1000	1.442	1.174	50	58.175
22	1050	0.423	0.933	50	46.625
23	1100	0.458	0.441	50	22.025
24	1150	0.334	0.396	50	19.800
25	1200	0.390	0.362	50	18.100
26	1250	0.333	0.362	50	18.075
27	1300	0.304	0.319	50	15.925
28	1350	0.517	0.411	50	20.525

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
29	1400	0.304	0.411	50	26.525
30	1450	0.306	0.305	50	15.250
31	1500	0.307	0.307	50	15.325
32	1550	0.295	0.301	50	15.050
33	1600	0.610	0.453	50	22.625
34	1650	0.437	0.524	50	26.175
35	1700	0.684	0.561	50	28.025
36	1750	0.566	0.425	50	31.250
37	1800	0.334	0.430	50	22.500
38	1850	0.599	0.467	50	23.325
39	1900	0.317	0.458	50	22.900
40	1950	0.346	0.347	50	17.325
41	2000	0.308	0.342	50	17.100
42	2050	0.664	0.486	50	24.300
43	2100	0.913	0.789	50	39.425
44	2150	1.140	1.027	50	51.325
45	2200	0.341	0.741	50	37.025
46	2250	0.580	0.461	50	23.025
47	2300	0.447	0.514	50	25.675
48	2350	2.094	1.271	50	63.525
49	2400	0.931	1.513	50	73.625
50	2450	0.340	0.636	50	31.775
51	2500	0.620	0.480	50	24.000
52	2550	1.010	0.815	50	40.750
53	2600	1.414	1.212	50	60.600
54	2650	0.749	1.079	50	53.950
55	2700	0.787	0.766	50	38.275
			1764		615 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
For 1000 m lead					
1764.615 x 10 %					176.46 m ³
(ii) for 100 m lead					
1764.615 x 90 %					1588.15 m ³
8. providing curb gr-I					
10 x 30 x 4.05 x 0.200					= 243.00
10 x 30 x 4.05 x 0.200					= 243.00
10 x 30 x 4.05 x 0.200					= 243.00
10 x 30 x 4.05 x 0.200					= 243.00
10 x 30 x 4.05 x 0.200					= 243.00
10 x 30 x 4.05 x 0.200					= 243.00
10 x 30 x 4.05 x 0.200					= 243.00
10 x 30 x 4.05 x 0.200					= 243.00
9 x 30 x 4.05 x 0.200					= 218.70
9. Earthwork shoulder					
2 x 88 x 30 x 1.358 x 0.20					704.32
2 x 88 x 30 x 1.152 x 0.075					= 356.08
					1465.72
					1933.80 m ³
9. providing WBM gr-II					
10 x 30 x 3.75 x 0.075					= 84.375
10 x 30 x 3.75 x 0.075					= 84.375
10 x 30 x 3.75 x 0.075					= 84.375
10 x 30 x 3.75 x 0.075					= 84.375
10 x 30 x 3.75 x 0.075					= 84.375
10 x 30 x 3.75 x 0.075					= 84.375
10 x 30 x 3.75 x 0.075					= 84.375
9 x 30 x 3.75 x 0.075					= 75.938
					750.94 m ³
12/2/21 J.E 12.2.21 A.E					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			BR-		999323=00
5. providing painting on parapet wall					
TMB P-2 I-NO-5					
112.32/m ² @ 97.13 Rs-					10916=00
6. clearing and grading					
TMB-P-2 I NO. 6					
1.89 Hec/ @ 51133.76 Rs-					96643.00
7. construction of embankment - do. all					
Comp. Job					
P-2-5					
TMB-P-5 I-NO-7					

1764.615/m³ (a)		
I For - 1000 m lead - I		
176.46/m ³ (a)	174.94 42618.88 R ₅	7520.528 = 0
	↓	30869 = 50
II For 100 lead		
1588.15/m ³ (a)	131.03 R ₅	208095 = 0
8. providing CTSB 88-I		
TMB P-5 I No-8 R	5467587 = ∞	
2162.70		4944685 = 0
1944.6/m ³ (a)	2528.13 R ₅	5041091 = 0
9. providing WBM-II		
TMB P-5 I-No-9	R	12723096 = ∞
750.94 m ³		
675.00/m ³ (a)	3626.25 R ₅	2447779 = 0
		16197909 = 0
	R ₅ -	8708250 = 0
10. Low dry earth at the side of the road		
Aty vide P ₅ (5)	Continuation 1533.80 m ³ R	3,41470 = ∞
at 176 = 58 m ³		
	Td4R -	9877999 = ∞

B.P -

B. 9877999=∞

Add balances 1.1.2 GST 127. @ B- 1284140 = ∞

less 15.1. AS per Agreement ^{Total B-} 1,11,62,139 = ∞
B- 11,16,214 = ∞

Sch. XLV-Form No. 134 Net B- 1,00,45,925 = ∞

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			B.F		16197909 = ∞
less 10.1. (as per agg)				(-)	1619791
					14,57,8118 = ∞
			BF-		8708250 = ∞
less 8.10.1. (as per agg)					
				(-)	870825 = 0
					7837425 = ∞
					Total B- 1,00,45,925 = ∞
<u>Dr</u>					
12/2/21				12.2.21	
J-E					
			C&P	FE	
			15/2/21		

Continuation