

पि.स.ड. ३१६ के द्वारा दिए गए असोसिएट

मम संस+ (SC

Measurement Book

Schedule XLV-Form No. 134

भाग-१

DIVISION

मोहन बाग

SUB-DIVISION

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).

Details of actual measurement					Contents of area
Particulars	No.	L.	B.	D.	
1ST MEASUREMENT ON A/C BIL.					
Name of work - construction					
of Road From P.W.D. Road					
To Birva Tola in Madhurai					
B.R. ch.					
Agency - Vijay Kumar.					
Agreement No - 44530/30-21					
Date of start - 27-6-20					
Date of completion - 26-6-21					

Date of measurement - 20-8-20					
1. construction of					
B. Road. 0.830 km					
2. construction of					
R. Piller					
0.830 km					
3. clearing & grubbing					
$2 \times 27 \times 30 \times 1.5 = 2430 \text{ m}^2$					
$3 \times 1 \times 20 \times 1.5 = 60 \text{ m}^2$					
Total = 2490 m ²					
4. in 0.25 m ²					
5. construction of					
Embankment - 33.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH.	Area m ²	Mean Area m ²		Dist m.	Volume m ³
0	3.739	—		—	—
50	4.852	4.296		50	214.775
100	5.774	5.313		50	265.656
150	5.710	5.742		50	287.100
200	4.314	5.012		50	250.600
250	5.179	4.747		50	237.325
300	4.554	4.867		50	243.325
350	5.196	4.875		50	243.756
400	5.175	5.186		50	259.275
450	5.204	5.190		50	259.475
500	4.830	5.017		50	250.850
550	4.738	4.784		50	239.200
600	5.373	5.056		50	252.775
650	5.402	5.888		50	294.375
700	5.516	5.459		50	322.950
750	5.235	5.876		50	295.775
800	5.014	5.125		50	256.225
850	5.720	5.367		30	161.010
Total					4332.435
Less 3131.70 m ³					
S. for construction					
S. for waste					
27 x 30 x 7.98 x 0.30 = 1959.14 m ³					
1 x 20 x 7.98 x 0.30 = 47.88 "					
2 x 27 x 30 x 1.49 x 0.20 = 482.76 "					
2 x 20 x 1.49 x 0.20 = 11.92 "					
Total = 2481.70 m ³					

$37 \times 30 \times 375 \times 0.075 = 227.81 \text{ m}^3$
 10 - 1x1m x 1m R.C.C. Box Culvert
 11. Eas in Foundation
 in Foundation.
 $1.50 \times 5.0 \times 0.79 = 7.07 \text{ m}^3$
 $2 \times 0.10 \times 0.30 \times 1.80 = 0.588$
 $\text{Total} = 13.558 \text{ m}^3$
 2- for L. Sand filling
 $1.50 \times 5.0 \times 0.15 = 0.90 \text{ m}^3$
 $2 \times 0.10 \times 0.30 \times 0.10 = 0.35$
 $\text{Total} = 1.25 \text{ m}^3$
 3- for P.C.C. Mrg in
 Foundation.
 $1.50 \times 5.0 \times 0.10 = 0.90 \text{ m}^3$
 $2 \times 2 \times 5.50 \times 0.45 \times 0.30 = 2.98$
 Limit 0.90 m³ Continuation 3.88 m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4-Pin M.Y.S. Bar					
all - 50					
100 M. Ø M.Y.S. Bar					
$5850 \times 2 \times 6 = 70320 \text{ mm.}$					
$5850 \times 2 \times 6 = 70320 \text{ mm.}$					
$2360 \times 8 \times 8 = 151040 \text{ mm.}$					
$1450 \times 2 \times 8 = 23360 \text{ mm.}$					
$1450 \times 2 \times 8 = 23360 \text{ mm.}$					
$2510 \times 2 \times 4 \times 10 = 23280 \text{ mm.}$					
Total					7571200 mm. B.
in 571.25 m.					
Σ 0.52 kg/m					354.14 kg

Box end					
$1580 \times 31 = 48980 \text{ mm.}$					
$1580 \times 31 = 48980 \text{ mm.}$					
$2360 \times 31 = 73160 \text{ mm.}$					
$1560 \times 31 = 48360 \text{ mm.}$					
$2 \times 1125 \times 31 = 69440 \text{ mm.}$					
$2 \times 1120 \times 31 = 69440 \text{ mm.}$					
$6 \times 850 \times 31 = 105400 \text{ mm.}$					
$1580 \times 31 = 48980 \text{ mm.}$					
$1580 \times 31 = 48980 \text{ mm.}$					
$6260 \times 8 \times 8 = 401540 \text{ mm.}$					
Total					3871600 mm. B.
in 387.16 m.					
Σ 0.52 kg/m					512.03 kg

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Vertical Rods -					
$4 \times 4 \times 820 = 13120 \text{ m.m.}$					
$4 \times 3 \times 800 = 9600$					
Total = 22720 m.m.					
$\therefore 28.72 \text{ m.}$					
$20.62 \text{ Kg/m} \quad \text{---} \quad 14.08 \text{ Kg.}$					
Rebar Rods -					
$4 \times 1750 \times 3 = 21000 \text{ m.m.}$					
$4 \times 1070 \times 8 = 34240$					
Total = 55340 m.m.					
$\therefore 55.36 \text{ m.}$					
$\therefore 0.62 \text{ Kg/m} \quad \text{---} \quad 34.32 \text{ Kg.}$					
Total Reinforcement -					
Cost of work -					354.14
Box call					512.03
Vertical -					14.08
Rebar -					34.32
Total =					1014.57 Kg.
$20 \times 1.70 = 34$					
$88 \times 0.80 = 70.40 \text{ m.m.}$					
104.40 m.m.					
$\therefore 0.62 \text{ Kg/m} \quad \text{---} \quad 64.73$					
Work -					0.70 Kg.
Total =					1080 Kg.
S- for R.C.C. margin					
Structure -					
all - 73.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x1.50x5.0x0.21 =					1.89 m ³
2x1x5.0x0.25 =					3.00 "
1x1.50x5.0x0.21 =					1.89 "
2x5.50x0.3x1.10 =					3.63 "
6x2x0.30x1.50 =					3.60 "
6x1/2x5.0x0.10x0.10 =					0.12 "
2x1.50x0.25x0.50 =					0.45 "
4x5x0.30x0.25x0.50 =					0.18 "
Total =					14.15 m³
G- Riv Road Drilling					
2x5.0x1.0x0.50 =					7.20 m ³
H- Riv Road Drilling					
I- Riv Road Drilling					
J- Riv Road Drilling					
K- Riv Road Drilling					
L- Riv Road Drilling					
M- Riv Road Drilling					
N- Riv Road Drilling					
O- Riv Road Drilling					
P- Riv Road Drilling					
Q- Riv Road Drilling					
R- Riv Road Drilling					
S- Riv Road Drilling					
T- Riv Road Drilling					
U- Riv Road Drilling					
V- Riv Road Drilling					
W- Riv Road Drilling					
X- Riv Road Drilling					
Y- Riv Road Drilling					
Z- Riv Road Drilling					

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
<u>ABSTRACT OF 1ST MEASUREMENT</u>						
<u>ON AIR BILL.</u>						
<u>Name of work - construction</u>						
<u>of Road from P.W.D. Road</u>						
<u>To Bairva Tola in -</u>						
<u>Madh Budoni Block.</u>						
<u>Agency - vijay Kumar.</u>						
<u>Agreement No. 44530/20-21</u>						
<u>Date of start - 27-5-20</u>						
<u>Date of completion - 26-6-21</u>						
<u>Date of measurement - 20-8-20</u>						
<u>1. construction of</u>						
<u>Barbed Metal.</u>						
<u>Qty. 0.83 Km.</u>						
<u>Rs 11721.56/- Rs 9729 = 00</u>						
<u>2. construction of</u>						
<u>R. P. Road.</u>						
<u>Qty. 0.83 Km.</u>						
<u>Rs 13000.82/- Rs 10840 = 00</u>						
<u>3. clearing of</u>						
<u>Grubbing - 10.</u>						
<u>Qty. 0.25 Km.</u>						
<u>Rs 51133.75/- Rs 12783 = 00</u>						
<u>4. construction of</u>						
<u>Embankment - 500</u>						
<u>U.P. - 3</u>						
<u>Qty. 195 Km.</u>						
<u>Rs 202.52/- Rs 39491 = 00</u>						
<u>72843 = 00</u>						

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5- for construction of Subgrade - 50.					72843=0
6- Construction of Subgrade - 50.					505561=
7- for construction of Subgrade - 50.					78172=0
8- for construction of Subgrade - 50.					2444537=
9- for construction in Foundation					3678=0
10- for L. sand filling					507=0
11- for R.C.C. 4x5 ft					6143752=0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>MATERIALS</u>					
1. E.W.	3	31.70 m			
2. S. Mould	8	63.51 m ³			
3. L. Sand	2	51.94 m ³			
4. S. Sand	5	4.67 m ³			
5. Cement	6	1 m ³ T.			
6. S. Sand	6	7.8 m ³			
7. S. Sand	13	55 m ³			
<u>20-8-20</u> J.E.					