

MMVSD

(SC)

Majapur to Kalyahi rd
वग फैमो अन्त

Schedule XLV-Form No. 134

गानो जमिन-सुविधा एवं पानी का प्रयोग DIVISION

राष्ट्रीय अग्रणी, मध्य प्रदेश रो-31ent SUB-DIVISION

MEASUREMENT BOOK

638

4948 → Sri Rakesh Roshan Singh

Sch. XLV - Form No. 134

Executive Engineer DIVISION
RWD Daudnaga

Assistant Engineer SUB-DIVISION
0629

Measurement Book

No. 638

Name of Officer _____

Date of first entry _____

Date of last entry _____

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					= 21.08
atg. vide item no. (3) P(1)					= 21.08
					4.11
2/ Construction of Gull cut I					
	1	30.00	3.75	0.10	11.25 m ³
	1	10.00	4.60	0.10	4.60 m ³
	1	10.00	$\frac{5.20+3.90}{2}$	0.10	4.55 m ³
					20.40 m ³
3/ providing laying chd					
rolling with 1/2" TP					
	1	30.00	3.75	0.075	8.4375 m ³
	1	10.00	4.60	0.075	3.45 m ³
	1	10.00	$\frac{5.20+3.90}{2}$	0.075	3.912 m ³
					15.80 m ³
atg. vide item no. (4) P(4)					200.325 m ³
					215.629 m ³
				Limit	215.16 m ³
4/ P & A prime coat with					
bitumen emulsion SS1					
	1	20.00	$\frac{5.50+4.00}{2}$		95.00 m ²
	10	30.00	3.75		1125.00 m ²
	1	15.00	4.30		64.50 m ²
	1	15.00	4.10		61.50 m ²
	1	15.00	4.25		63.75 m ²
	4	30.00	3.75		450.00 m ²
	1	15.00	3.50		52.50 m ²
					1912.25 m ²
5/ P & A Tack coat with					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					= 2.008
at 4. vide item no (3) P(1)					= 2.003
					4.003
2/ Construction of Gully Cor II					
	1	30.00	3.75	0.10	11.25 m ³
	1	10.00	4.60	0.10	4.60 m ³
	1	10.00	$\frac{(5.20+3.90)}{2}$	0.10	4.55 m ³
					20.40 m ³
3/ providing laying chd					
rolling WBSI Cor ITP					
	1	30.00	3.75	0.075	8.437 m ³
	1	10.00	4.60	0.075	3.45 m ³
	1	10.00	$\frac{(5.20+3.90)}{2}$	0.075	3.912 m ³
					15.295 m ³
at 4. vide item no (4) P(4)					200.325 m ³
					215.629 m ³
				Limit	215.16 m ³
4/ P4A Prime Coat with					
bitumen emulsion SS1					
	1	20.00	$\frac{(5.50+4.00)}{2}$		95.00 m ²
	10	30.00	3.75		1125.00 m ²
	1	15.00	4.30		64.50 m ²
	1	15.00	4.10		61.50 m ²
	1	15.00	4.25		63.75 m ²
	4	30.00	3.75		450.00 m ²
	1	15.00	3.50		52.50 m ²
					1912.25 m ²
5/ P4A Tack Coat with					

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
70% of 429.06 m ²					300.31 m ²
atg. vide item 11/6/19/1					763.98 m ²
					1064.29 m ²
9/ Road Marking width 10m					
applied on BT Surface					
$2 \times 10 \times 30.00 \times 0.10 =$					60.00 m ²
$\therefore 2 \times 10 \times 20.00 \times 0.10 =$					40.00 m ²
					100.00 m ²
10/ Road Marking width 10m					
applied on CC Pavement					
$2 \times 10 \times 25.00 \times 0.10 =$					50.00 m ²
11/ Construction of embankment					
with approved material					

Ch	(m ²) Fill Area	(m ²) Mean Area	(m) Dist.	(m ³) Fill Volume
00	2.06	-	-	-
50	1.953	2.007	50	100.325
100	2.934	2.444	50	122.175
150	3.074	3.004	50	150.200
200	2.624	2.846	50	142.450
250	2.14	2.382	50	119.100
300	4.047	3.094	50	154.675
350	6.188	5.123	50	256.125
400	6.592	6.395	50	319.750
450	5.683	6.138	50	306.875
500	6.412	6.048	50	302.375
550	3.051	4.732	50	236.575
600	2.406	2.729	50	136.425

Continuation

Ch	Particulars	Details of actual measurement				Contents of area
		(No)	M/H (m)	B. (m)	M/R	
	650	2.934	2.630	50		133.500
	700	3.599	3.267	50		163.325
	750	4.425	4.012	50		200.600
						2844.475 m ²
	Less Subgrade					
	Earth shoulder				(-)	1520.92 m ²
	Less C.C. Pavement				(-)	152.88 m ²
	Less Gully				(-)	508.70 m ²
	Less W.B. for III				(-)	215.16 m ²
						447.315 m ²
(a)	For Lead up to 1000 m					
	90% of 447.315 m ²					= 402.58 m ²
(b)	For Lead up to 700 m					
	10% of 447.315 m ²					= 44.73 m ²
12)	P&F RCC Mis grade					
(a)	km Stone					= 2 Nos
(b)	200m Stone					= 3 Nos
13)	P&F RCC Mis grade					
	Boundary pillar					= 32 Nos
14)	P&F Retro reflective					
	Traffic Sign					
(a)	600mm side equilateral triangle					= 14 Nos
(b)	600mm dia Circular					= 1 Nos
(c)	800 x 600mm Rectangular					= 12 Nos
(d)	600 x 450mm Rectangular					= 8 Nos
(e)	900mm side Octagonal					= 4 Nos

Continuation

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Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/ Setting out pillar					
(a) Bench Mark pillar					
Qty. vide item no. 1(a) P(1)					
				= 1 No	
@ Rs 3864.11				= Rs	3864.00
(b) Reference pillar					
Qty. vide item no 1(b) P(1)					
				= 3 Nos	
@ Rs 1749.79				= Rs	5249.00
2/ Clearing and grubbing ground					
Qty. vide item no (2) P(2)					
				= 0.525 H	
@ Rs 51133.76				= Rs	26895.00
3/ PAF MHSY L-20 Bored					
Qty. vide item no (1) P(1)					
				= 4 Nos	
@ Rs 9219.04				= Rs	36876.00
4/ Disbentalling of PCC					
Qty. vide item no (5) P(2)					
				= 2.43 m	
@ Rs 484.74				= Rs	1178.00
5/ Disbentalling of Stone/Brick masonry					
Qty. vide item no (6) P(3)					
				= 92.07 m ²	
@ Rs 231.77				= Rs	21329.00
6/ Removal of HP 600-gumunda					
Qty. vide item no. (7) P(3)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				= 15.00m	
@ Rs 236.34				= Rs	3545.00
7/ ELU in excavation for foundation					
atg. vide item no (8) P (B)					
				= 62.696m	
@ Rs 269.32				= Rs	16870.00
8/ P4L PCI 15 grade in leveling					
Course					
atg. vide item no (9) P (B)					
				= 11.383m	
@ Rs 468.61				= Rs	53290.00
9/ P4L RCC NB 600mm dia HP					
atg. vide item no (10) P (B)					
				= 30.00m	
@ Rs 1006.11				= Rs	30183.00
10/ P4L PCI 15 grade in subgrade					
atg. vide item no (11) P (B)					
				= 60.66m	
@ Rs 5457.36				= Rs	331043.00
11/ P4L 300mm dia RCC duct pipe					
atg. vide item no (12) P (B)					
				= 20.00m	
@ Rs 892.66				= Rs	17853.00
12/ Cont. of Subgrade & Earthwork					
(a) For Lead up to 100m					
atg. vide item no 8 & 11 (11)					
				= 456.13m	
@ Rs 176.58				= Rs	80547.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(b) <u>Gr Lead up to 100m</u>					
Qty. vide item no 8 (b) P (12)					
					= 1064.29 m ²
@ Rs 141.17					= Rs 150245.00
13/ <u>Cont. of GSB GAT</u>					
Qty. vide item no (14) P (4)					
					= 488.30 m ²
Qty. vide item no (2) P (10)					= 2040 m ²
					508.70 m ²
@ Rs 2400.23					= Rs 1220997.00
14/ <u>providing and laying LBM GAT</u>					
Qty. vide item no. (3) P (10)					
					= 215.16 m ²
@ Rs 3539.42					= Rs 761541.00
15/ <u>P.A. prime coat with SS 2</u>					
Qty. vide item no. (4) P (10)					
					= 1912.25 m ²
@ Rs 44.84					= Rs 85745.00
16/ <u>P.A. Tack coat with SS 2</u>					
Qty. vide item no (5) P (11)					
					= 1912.25 m ²
@ Rs 15.25					= Rs 29162.00
17/ <u>providing, laying and rolling HSI</u>					
Qty. vide item no (6) P (11)					
					= 1912.25 m ²
@ Rs 201.85					= Rs 385987.00
18/ <u>Construction of unreinforced</u>					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Joint CC pavement					
Qty vide Item no. (7) P(11)					
				= 152.88 m ²	
@ B 5961.74					= 911431.00
19/ Road Marking with hot applied					
OD OT Surface					
Qty vide Item no. (9) P(12)					
				= 100.00 m ²	
@ B 735.44				= 73544.00	
20/ Road Marking of CC pavement					
Qty vide Item no. (10) P(14)					
				= 50.00 m ²	
@ B 821.29				= 41064.50	
21/ Construction of embankment					
(a) Far Lead up to 100m					
Qty vide Item no. 11(a) P(13)					
				= 2402.58 m ²	
@ B 174.92				= 419427.00	
(b) Far Lead up to 100m					
Qty vide Item no. 11(b) P(13)					
				= 44.73 m ²	
@ B 131.03				= 5861.00	
@ B 48.74					
22/ P & F R.H. Side					
(a) kn Stone					
Qty vide Item no. 12(a) P(13)					
				= 2 Nos	
@ B 1989.93				= 3979.86	
(b) 200m Stone					
Qty vide Item no. 12(b) P(13)				= 3 Nos	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@B 552.47				= 13	1657.00
23/ PAF RCC 4.5 grade boundary pillar					
atg vide item no (13) P(13)				= 32 Nos	
@B 463.54				= 13	14833.00
29/ PAF Retroreflective double studs					
2/ 600mm side triangular					
atg vide item no 14(a) P(13)					
@B 3664.80				= 14 Nos	51307.2
(b) 600mm dia circular					
atg vide item no 14(b) P(13)				= 2 Nos	
@B 4936.71					
(c) 800x600mm rectangular					
atg vide item no 14(c) P(13)				= 12 Nos	
@B 6909.69				= 13	32916.00
(d) 600x450mm rectangular					
atg vide item no 14(d) P(13)				= 8 Nos	
@B 4806.52				= 13	38452.00
(e) 900mm side octagonal					
atg vide item no 14(e) P(13)				= 4 Nos	
@B 8832.58				= 13	35330.00
25/ White washing on post					
atg vide item no (15) P(14) = 49.92 m ²					
@B 97.19				= 13	4852.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
26/ planting of tree by the road side					
24/ wide then no. (16) P(17)					
				215 Nos	
@ Rs 815.26					= Rs 12229.00
					Rs 4570110.00
Add Cost 12%					Rs 548913.00
Add L. Cost 1%					Rs 45701.00
					Rs 5164224.00
Less 10% Deduct					(Rs 516422.00)
					Rs 4647802.00
Less previous F1					Rs 2682764.00
					Rs 1965038.00
check					

Continuation