

M/Scheme 1 - Construction & S/Sr Maintenance of Road
Keranchakk to Chirayantan (Chandachakk)
Schedule XLV-Form No. 134
Length - 1.582 Km,

MMhsp (SLC)

21310 31h10 - 2142-31

DIVISION

Ag No: - 34/SBR/20-21

Meant 1 - M/S Global Solutions **SUB-DIVISION**

Measurement Book

1217

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: — Constn & maintn of road from Kiranichak to chorigatar (chandachak) under Dhanarua block.					
Name of Contractor — M/s Global Solution.					
Agg. amount — Constn ₹ 1,11,87,727.00					
Agg. No: — 31-SBD/2020-21					
Agg. Actual amount — ₹ 10,82,626.00					
Start date — 11/01/2021					
Intended date of Completion					
— 10/01/2022					
Rate of agreement — 5.10 % below					
Actual date of Completion — 10/10/2023					

Entry of measurement					
1) E/W in excavation for foundn					
146500					
4) H/W	2	3.90	1.50	1.50	13.455m ³
Below pipe	1	5.35	1.13	0.365	2.207
					15.662 m ³
✓					ie 15.662 m ³
2) Plu for m-15 in foundn					
H/W	2	3.90	1.15	0.15	1.346
Below pipe	1	5.31	1.13	0.25	1.50
					2.846 m ³
✓					ie 2.846 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ P/V & laying WP3 GP. 600 mm					
✓ 2 x 2.5 = 7.50m					
④ Construction of h-8B GP & Update measurement					
BT part m ch. 0 to 284m					
1 x 15.00 x (7.00 + 3.75) x 0.20					16.12 ³ m
8 x 30.00 x 4.05 x 0.20					194.40"
1 x 29.00 x 4.05 x 0.20					23.49"
ch - ch 726 m to 1059.30m.					
4 x 30.00 x 3.40 x 0.20 =					81.60"
1 x 10.00 x (3.40 + 4.80 + 3.40) x 0.20 =					7.73
1 x 25.00 x 3.55 x 0.20 =					17.75"
1 x 12.00 x (4.80 + 3.65 + 3.60) x 0.20 =					9.64"
3 x 30.00 x 3.65 x 0.20 =					65.70"
2 x 30.00 x 3.60 x 0.20 =					43.20"
1 x 16.30 x (3.65 + 5.50 + 3.65) x 0.20 =					13.91"
ch 1196 to 1425.30m					
1 x 30.00 x (3.80 + 3.40) x 0.20 =					21.60"
1 x 30.00 x (3.70 + 3.80) x 0.20 =					22.50"
1 x 20.00 x (3.40 + 3.70) x 0.20 =					14.20"
1 x 22.00 x (3.60 + 4.05) x 0.20 =					16.83"
1 x 10.00 x (5.00 + 4.85) x 0.20 =					9.85"
1 x 10.00 x (4.85 + 5.50) x 0.20 =					10.35"
1/2 x 5.30 x 4.10 x 0.20 =					1.09"
1 x 30.00 x (5.20 + 4.45) x 0.20 =					28.95"
					569.96
					598.91 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					79.21 m ³
1 x 8.00 x (4.15 + 4.75) / 2 x 0.100 =					3.56 "
1 x 13.50 x (4.75 + 4.80) / 2 x 0.100 =					6.45 "
1 x 10.00 x (4.05 + 3.68) / 2 x 0.100 =					3.87 "
1 x 6.00 x (4.20 + 4.05) / 2 x 0.100 =					2.47 "
1 x 10.00 x (3.68 + 3.40) / 2 x 0.100 =					3.54 "
		2			
1 x 10.00 x (3.40 + 3.08 + 3.55) / 3 x 0.100 =					3.34 "
1 x 10.00 x (3.55 + 3.70 + 3.75) / 3 x 0.100 =					3.67 "
1 x 10.00 x (3.75 + 3.65) / 2 x 0.100 =					3.70 "
1 x 10.00 x (3.75 + 3.65) / 2 x 0.100 =					3.60 "
1 x 10.00 x (3.65 + 3.55) / 2 x 0.100 =					3.60 "
1 x 10.00 x (3.55 + 3.50) / 2 x 0.100 =					3.52 "
1 x 18.00 x (3.50 + 4.10) / 2 x 0.100 =					6.84 "
1 x 8.50 x (5.50 + 4.50) / 2 x 0.100 =					4.25 "
		2			
1 x 10.00 x (4.00 + 4.30 + 4.25) / 3 x 0.100 =					4.18 "
1 x 14.00 x (5.20 + 4.25) / 2 x 0.100 =					6.64 "
1 x 8.00 x (5.20 + 4.20) / 2 x 0.100 =					3.76 "
1 x 5.00 x (4.20 + 4.55) / 2 x 0.100 =					2.19 "
1 x 11.70 x (4.55 + 4.20 + 3.80) / 3 x 0.100 =					4.74 "
1 x 17.00 x (3.80 + 4.55) / 2 x 0.100 =					7.10 "
1 x 3.50 x (4.50 + 4.05) / 2 x 0.100 =					1.50 "
1 x 10.00 x (4.60 + 4.70) / 2 x 0.100 =					1.91 "
1 x 13.30 x (4.70 + 5.00) / 2 x 0.100 =					6.45 "
		2			
					166.46 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					166.46 m ³
	1	5.60	5.30	0.100	2.97 m ³
	1	3.25	5.10	0.100	4.59 1.66 m ³
	1	2.50	3.15	0.100	0.79 m ³
Ch - 678 to 726 m					
	1	30.00	3.75	0.100	11.25 m ³
	1	18.00	$\frac{4.30+5.00}{2}$	0.100	8.37 m ³
Ch - 1059.30 to 1196.80 m					
	1	7.60	$\frac{4.80+3.40}{2}$	0.100	3.12 m ³
	1	3.50	$\frac{7.40+4.80}{2}$	0.100	2.13 m ³
	1	7.20	$\frac{7.40+6.60}{2}$	0.100	5.04 m ³
	1	16.50	$\frac{3.55+3.33+3.55}{3}$	0.100	5.74 m ³
	1	10.00	$\frac{4.60+3.50+3.25}{3}$	0.100	3.78 m ³
	1	30.00	$\frac{3.50+3.25}{2}$	0.100	10.12 m ³
	1	10.00	3.35	0.100	3.35 m ³
	1	10.00	$\frac{4.10+5.60}{2}$	0.100	4.55 m ³
	1	19.00	4.00	0.100	7.60 m ³
	1	19.00	$\frac{4.00+3.80+4.00}{3}$	0.100	7.47 m ³
	1	13.40	$\frac{5.80+4.30}{2}$	0.100	6.77 m ³
Ch - 1425.30 to 1502 m					
	2	30.00	4.05	0.100	24.30 m ³
					274.68 m ³
Total A + B = 654.77 + 274.68					(B)
= 929.45 m ³					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Plv, laying & spreading for Compacting - do - wbm 4r-3					
do - TS 405.					
Update measurement					
B.T - ch 0 to 284m					
$1 \times 15.00 \times \frac{(7.00 + 3.75)}{2} \times 0.075 =$					6.05 m^3
$8 \times 30.00 \times 3.75 \times 0.075 =$					67.50 m^3
$1 \times 29.00 \times 3.75 \times 0.075 =$					8.16 m^3
ch - 726 to 1059.30m					
$4 \times 30.00 \times 3.30 \times 0.075 =$					29.70 m^3
$1 \times 10.00 \times \frac{(3.10 + 4.50 + 3.10)}{3} \times 0.075 =$					2.67 m^3
$1 \times 25.00 \times 3.25 \times 0.075 =$					6.09 m^3
$1 \times 12.00 \times \frac{(4.50 + 3.35 + 3.35)}{3} \times 0.075 =$					3.34 m^3
$3 \times 30.00 \times 3.65 \times 0.075 =$					24.64 m^3
$2 \times 80.00 \times 3.55 \times 0.075 =$					15.97 m^3
ch 1196 to 1453 $1 \times 16.30 \times \frac{(3.35 + 5.20 + 3.35)}{3} \times 0.075 =$					4.85 m^3
$30.00 \times \frac{(3.80 + 3.50)}{2} \times 0.075 =$					7.76 m^3
$1 \times 30.00 \times \frac{(3.50 + 3.10)}{2} \times 0.075 =$					7.42 m^3
$1 \times 20.00 \times \frac{(3.10 + 3.80)}{2} \times 0.075 =$					4.80 m^3
$1 \times 22.00 \times \frac{(3.30 + 3.75)}{2} \times 0.075 =$					5.81 m^3
$1 \times 10.00 \times \frac{(5.00 + 4.85)}{2} \times 0.075 =$					3.68 m^3
$\frac{1}{2} \times 5.30 \times 4.10 \times 0.075 =$					0.81 m^3
$1 \times 30.00 \times \frac{(4.90 + 4.15)}{2} \times 0.075 =$					10.81 m^3
$1 \times 30.00 \times \frac{(3.35 + 3.20 + 4.90 + 4.15)}{4} \times 0.075 =$					7.37 m^3
$1 \times 30.00 \times 3.40 \times 0.075 =$					7.65 m^3
$1 \times 16.50 \times 3.40 \times 0.075 =$					4.21 m^3
					229.29 m^3
					①

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
P. ac portion					
Ch. 284 to 678m					
1 x 8.00 x 4.50 x 0.075					2.70m ³
1 x 6.20 x $\frac{(7.00 + 6.70)}{2}$ x 0.075					3.19
1 x 4.70 x $\frac{(6.00 + 4.50)}{2}$ x 0.075					1.85
1 x 11.70 x $\frac{(4.50 + 4.53)}{2}$ x 0.075					3.96
1 x 16.50 x $\frac{(3.90 + 5.60)}{2}$ x 0.075					5.88
1 x 3.00 x $\frac{(5.60 + 4.90)}{2}$ x 0.075					1.18
1 x 8.30 x $\frac{(4.90 + 3.90)}{2}$ x 0.075					2.74
1 x 18.00 x $\frac{(4.65 + 3.90)}{2}$ x 0.075					5.77
1 x 12.60 x $\frac{(4.65 + 5.10)}{2}$ x 0.075					4.65
1 x 5.00 x 6.80 x 0.075					2.55
1 x 6.20 x 6.20 x 0.075					2.88
1 x 11.25 x $\frac{(4.58 + 4.60)}{2}$ x 0.075					3.87
1 x 28.70 x $\frac{(4.60 + 4.75 + 5.00)}{3}$ x 0.075					10.30
1 x 9.50 x $\frac{(5.00 + 3.75)}{2}$ x 0.075					3.12
1 x 10.50 x $\frac{(3.75 + 4.05)}{2}$ x 0.075					3.07
1 x 5.50 x $\frac{(3.95 + 3.75)}{2}$ x 0.075					1.59
1 x 0.50 x $\frac{(3.75 + 4.15)}{2}$ x 0.075					2.37
1 x 8.00 x $\frac{(4.15 + 4.75)}{2}$ x 0.075					2.67
1 x 13.50 x $\frac{(4.75 + 4.80)}{2}$ x 0.075					4.83
1 x 6.00 x $\frac{(4.20 + 4.05)}{2}$ x 0.075					1.86
1 x 10.00 x $\frac{(4.05 + 3.68)}{2}$ x 0.075					2.90
1 x 10.00 x $\frac{(3.68 + 3.40)}{2}$ x 0.075					2.66
					76.55m ³

Particulars	Details of actual measurement				Contents of area $\frac{B \times L}{3}$
	No.	L.	B.	D.	
					76.55 m
$1 \times 10.00 \times (3.40 + 3.08 + 3.55) \times 0.075$					2.51
$1 \times 10.00 \times (3.55 + 3.70 + 3.75) \times 0.075$					2.75
$1 \times 10.00 \times (3.75 + 3.65) / 2 \times 0.075$					2.77
$1 \times 10.00 \times (3.85 + 3.55) / 2 \times 0.075$					2.70
$1 \times 10.00 \times (3.55 + 3.50) / 2 \times 0.075$					2.64
$1 \times 18.00 \times (3.50 + 4.10) / 2 \times 0.075$					5.13
$1 \times 10.00 \times (4.00 + 4.30 + 4.25) \times 0.075$					3.14
$1 \times 14.00 \times (5.20 + 4.25) \times 0.075$					4.96
$1 \times 8.00 \times (5.20 + 4.20) \times 0.075$					2.82
$1 \times 5.00 \times (4.20 + 4.55) \times 0.075$					1.64
$1 \times 11.70 \times (4.55 + 4.20 + 3.80) \times 0.075$					3.67
$1 \times 17.00 \times (3.80 + 4.55) \times 0.075$					5.32
$1 \times 3.50 \times (4.50 + 4.05) \times 0.075$					1.12
$1 \times 10.00 \times (4.60 + 4.70) \times 0.075$					3.49
$1 \times 13.30 \times (4.70 + 5.00) \times 0.075$					4.84
$1 \times 5.60 \times 5.30 \times 0.075$					2.23
$1 \times 3.25 \times 5.10 \times 0.075$					1.24
$1 \times 2.50 \times 3.15 \times 0.075$					0.59
Ch- 678 to 726 m					
$1 \times 30.00 \times 3.75 \times 0.075$					8.44
$1 \times 18.00 \times (4.30 + 5.00) \times 0.075$					6.28
Ch- 1059.30 m to 1146.80 m					
$1 \times 7.60 \times (4.80 + 3.45) \times 0.075$					2.35
$1 \times 3.50 \times (7.40 + 4.80) \times 0.075$					1.60
$1 \times 7.20 \times (7.40 + 6.60) / 2 \times 0.075$					3.78

152.56
m

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					152.56 m ³
1 x 16.50 x (3.55 + 3.33 + 3.55)	no. 075				4.30
1 x 10.00 x (4.60 + 3.50 + 3.25)	no. 075				2.84
1 x 30.00 x (3.50 + 3.25)	no. 075				7.59
1 x 10.00 x 3.35	0.075				2.51
1 x 10.00 x (4.10 + 5.00)	no. 075				3.41
1 x 19.00 x 4.00	0.075				5.70
1 x 13.40 x (5.80 + 4.30)	no. 075				5.08
Ch - 1425.30 m					1502 m
2 x 30.00 x 4.05	no. 075				18.23
					202.22 m
Total A + B	2	229.29			202.22
	2	431.51 m ³			

⑥ Content of P.C.C. pavement

M-30	no. 1501				
Ch. 284.40	67.8 m				
1 x 8.00 x (4.50)	0.16				5.76 m
1 x 6.20 x (7.00 + 6.70)	0.16				6.80
1 x 4.70 x (6.00 + 4.50)	0.16				3.95
1 x 11.70 x (4.50 + 4.53)	0.16				8.45
1 x 16.50 x (3.90 + 5.60)	0.16				12.54
1 x 3.00 x (5.60 + 4.90)	0.16				2.52
1 x 8.30 x (4.90 + 3.90)	0.16				5.84
1 x 18.00 x (4.65 + 3.90)	0.16				12.31
1 x 12.60 x (4.05 + 5.10 + 5.10)	0.16				9.98
1 x 5.00 x (6.70 + 7.00)	0.16				5.48
1 x 6.20 x (6.30 + 6.20)	0.16				6.20
					79.83 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					79.83 m ³
1 x 11.25 x (4.58 + 4.60) / 2 x 0.16					8.26
1 x 28.70 x (4.40 + 4.75 + 5.00) / 3 x 0.16					21.97
1 x 9.50 x (5.00 + 3.75) / 2 x 0.16					6.65
1 x 10.50 x (3.75 + 4.05) x 0.16					6.55
1 x 5.50 x (3.95 + 3.75) / 2 x 0.16					3.39
1 x 0.50 x (3.75 + 4.15) / 2 x 0.16					0.32
1 x 8.00 x (4.15 + 4.75) x 0.16					5.70
1 x 13.50 x (4.75 + 4.80) / 2 x 0.16					10.31
1 x 6.00 x (4.20 + 4.05) / 2 x 0.16					3.96
1 x 10.00 x (4.05 + 3.68) / 2 x 0.16					6.18
1 x 10.00 x (3.68 + 3.40) / 2 x 0.16					5.66
1 x 10.00 x (3.40 + 3.08 + 3.55) / 3 x 0.16					5.35
1 x 10.00 x (3.55 + 3.70 + 3.25) / 3 x 0.16					5.87
1 x 10.00 x (3.75 + 3.65) / 2 x 0.16					5.92
1 x 10.00 x (3.65 + 3.55) / 2 x 0.16					5.76
1 x 10.00 x (3.55 + 3.50) / 2 x 0.16					5.64
1 x 18.00 x (3.50 + 4.10) / 2 x 0.16					10.34
1 x 8.50 x (5.50 + 4.50) / 2 x 0.16					6.80
1 x 10.00 x (4.00 + 4.30 + 4.25) / 3 x 0.16					6.69
1 x 14.00 x (5.20 + 4.25) / 2 x 0.16					10.58
1 x 8.00 x (5.20 + 4.20) / 2 x 0.16					6.02
1 x 5.00 x (4.20 + 4.55) / 2 x 0.16					3.50
1 x 11.70 x (4.55 + 4.20 + 3.80) / 3 x 0.16					7.83
1 x 17.80 x (3.80 + 4.55) / 2 x 0.16					11.36
1 x 3.50 x (4.50 + 4.05) / 2 x 0.16					2.39
1 x 10.00 x (4.60 + 4.70) / 2 x 0.16					7.44
					260.87 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					260.87 m ³
1 x 13.30 x (4.70 + 5.00)				x 0.16 =	10.32 m
1 x 5.60 x 5.30 x 0.16				=	4.75 m
1 x 3.25 x 5.10 x 0.16				=	2.65 m
1 x 2.50 x 3.15 x 0.16				=	1.26 m
Ch - 678 to 726 m					
1 x 10.00 x (3.70 + 3.75)				x 0.16 =	5.96 m
1 x 10.00 x (3.25 + 3.70) / 2 x 0.16				=	5.96 m
1 x 10.00 x (3.70 + 4.30) / 2 x 0.16				=	6.40 m
1 x 10.00 x (4.30 + 5.00) / 2 x 0.16				=	7.44 m
1 x 8.00 x (6.65 + 5.00) / 2 x 0.16				=	7.46 m
Ch - 1059.30 to 1146.80 m					
1 x 7.60 x (4.80 + 3.45) / 2 x 0.16				=	5.02 m
1 x 3.50 x (7.40 + 4.80) / 2 x 0.16				=	3.42 m
1 x 7.20 x (7.40 + 6.60) / 2 x 0.16				=	8.06 m
1 x 16.50 x (3.55 + 3.33 + 3.53) / 3 x 0.16				=	9.18 m
1 x 10.00 x (4.60 + 3.50 + 3.25) / 3 x 0.16				=	6.05 m
1 x 30.00 x (3.50 + 2.25) / 2 x 0.16				=	16.20 m
1 x 10.00 x 3.35 x 0.16				=	5.36 m
1 x 10.00 x (4.10 + 5.00) x 0.16				=	7.28 m
1 x 19.00 x 4.00 x 0.16				=	12.16 m
1 x 19.00 x (4.00 + 3.80 + 4.00) / 3 x 0.16				=	11.96 m
1 x 13.40 x (5.80 + 4.30) / 2 x 0.16				=	10.83 m
Ch - 1425.30 to 1502 m					
2 x 30.00 x 4.05 x 0.16				=	38.88 m
over fall 1 x 10.00 x (5.75 + 3.70) x 0.10				=	7.60 m
1 x 6.70 x 3.75 x 0.10				=	2.51 m
					457.58 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ Providing & applying Primer coat					
Update measurement					
Ch-0 to 28m.					
1 x 15.00 x (7.00 + 3.75)				=	80.62 ²
8 x 30.00 x 3.75				=	900.00
1 x 29.00 x 3.75				=	108.75
Ch- 726 to 1053.30m					
4 x 30.00 x 3.10				=	372.00
1 x 10.00 x (3.10 + 4.50 + 3.10)				=	35.67
1 x 25.00 x 3.25				=	81.25
1 x 12.00 x (4.50 + 3.35 + 3.30) / 2				=	45.60
3 x 30.00 x 3.55				=	319.50
2 x 30.00 x 3.40				=	204.00
1 x 16.30 x (3.35 + 5.20 + 3.35)				=	64.66
			3		
Ch- 1196 to 1425.30m					
1 x 30.00 x (3.40 + 3.50)				=	103.50
1 x 30.00 x (3.50 + 3.10)				=	99.00
1 x 20.00 x (3.10 + 3.30)				=	64.00
1 x 22.00 x (3.30 + 3.75)				=	77.55
1 x 10.00 x (5.00 + 4.85)				=	49.25
1 x 10.00 x (4.85 + 5.50)				=	51.75
Approach - 1/2 x 5.30 x 4.10				=	10.86
1 x 30.00 x (4.90 + 4.15)				=	135.75
1 x 30.00 x (3.35 + 3.20) / 2				=	98.25
					2901.96 ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BT- 2901.96 ²
1 x 30.00 x 3.40					= 102.00
1 x 16.50 x 3.40					= 56.10
					3060.06 ²
✓ ie 3060.06m ²					

⑧ Plt & applying tax and
obj & measurement same
✓ vide item ⑦ 3060.06m²

⑨ Plt, laying & rolling
of 20mm thick M.S.S
✓ esp. rse sq.

obj & measurement
same vide item - ⑦
✓ = 3060.06m²

⑧ Plt & fixing m-15 grade
km stone

✓ 03 Nos

⑨ Plt & fixing 20mm stone
✓ 06 Nos

⑩ Plt & fixing m-15 boundary
Pillars
✓ 40 Nos

104000

[illegible]

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Wall -	2	3.60	0.70	2.18	$= 10.987^3$
Parapet -	2	3.60	0.40	1.20	$= 3.456$
Loss for pipe	$2 \times \frac{\pi}{4} \times (0.83)^2 \times 0.53$				$= 0.574$
					$13.869 m^3$
					ie $13.869 m^3$

(18) Construction of embankment /
 shoulder / subgrade & cell
 comp.

Chainage	Area	Mean Area	Dist	Volume
(m)	(m ²)	(m ²)	(m)	(m ³)
0	4.542	-	-	-
50	4.451	4.497	50	224.825
100	4.448	4.450	50	222.475
150	6.661	5.555	50	277.725
200	6.804	6.733	50	336.625
250	6.698	6.751	50	337.550
300	6.953	6.826	50	341.275
350	6.962	6.958	50	347.875
400	6.994	6.979	50	348.950
450	7.102	7.049	50	352.450
500	6.996	7.049	50	352.450
550	6.888	6.942	50	347.100
600	6.883	6.886	50	344.275
650	6.782	6.833	50	341.625
678	5.595	6.198	50	173.278

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
678	5.595				
700	5.868	5.732	22.0	=	126.843
750	5.119	5.494	50.0	=	274.675
800	5.111	5.115	50.0	=	255.750 255.925
850	5.126	5.119	50.0	=	255.925
900	5.159	5.143	50.0	=	257.125
950	5.264	5.212	50.0	=	260.575
1000	5.159	5.212	50.0	=	260.575
1050	5.061	5.110	50.0	=	255.500
1100	6.062	5.562	50.0	=	278.075
1150	5.967	6.015	50.0	=	300.725
1200	2.234	4.101	50.0	=	205.025
1250	1.397	1.816	50.0	=	90.775

1300	1.373	1.385	50.0	=	69.250
1350	1.403	1.388	50.0	=	69.400
1400	1.403	1.403	50.0	=	70.150
1450	2.090	1.747	50.0	=	87.325
1502	1.406	1.748	50.0	=	90.896
					7556.317 m ³

Less For Excav

i) Subgrade work P/S	= (C) 1169.25
ii) " " " " P/S	= (C) 1633.50
iii) Fining sand work P/S item (6)	= (C) 967.00
iv) G.S.B work P/S item (4)	= (C) 929.45
v) W.B.M 5-3 work P/S item (5)	= (C) 431.51
vi) P.C Pavement m. 30 work P/S item (6)	= (C) 457.58
Total B/W	1968.027 m ³

(Embankment + shoulder)

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Answer of QST</u>					
① Placing & fixing of working B.m. pillars					
Qty of TMBP/46 item ①					
1.500 m @ 11142.45/m ²					16714
② Clearing & grubbing road land					
Qty of TMBP/46 item ②					
0.60 Hect @ 5297033/m ²					31782
③ Constn of embankment upto 100m lead					
Qty of TMBP/67 item ③					
865.89 m ³ @ 190.57/m ³					1650132
④ H. Constn of embankment do- upto 100m lead					
Qty of TMBP/67 item ④					
889.51 m ³ @ 153.66/m ³					136682
⑤ Construction of subgrade & earthen shoulder					
Qty of TMBP/67 item ⑤					
					212.627
" " TMBP/5 item ①					116925
" " TMBP/10 item ①					1633.30
					3015.377
@ 190.011 m ³					572952
					4923143

Continuation

Particulars	Details of actual measurement				Contents of area Δ or
	No.	L.	B.	D.	
					Rs 923,432
⑥ Filling in foundation trenches					
Qty vide TMB P/47 item ⑥					
967.00 m ³ @ Rs 1707.08/m ³					1650746
⑦ Constn of 4 S.B Cr-I					
Qty vide TMB P/55 item ④					
929.45 m ³ @ Rs 2396.65/m ³					2227566
⑧ P/L laying spreading					
(8P13) & Compacting old WBM					
Layer 3 at 150					
Qty vide TMB P/59 item ⑤					
431.51 m ³					
Limited to 430.89 m ³					
@ Rs 3011.20/m ³					1297496
⑨ P/L applying primer coat					
Qty vide TMB P/63 item ⑦					
= 3060.06 m ²					
Limited to 3060 m ²					
@ Rs 43.27/m ²					132406
⑩ P/L applying tack coat					
Qty vide TMB P/63 item ⑧					
= 3060.06 m ²					
Limited to 3060 m ²					
@ Rs 14.80/m ²					45288

Rs 6276645

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				NS	6276645 ²
(11) Plv, laying & rolling of 20 mm thick. M38					
Qty vide TMB p/63 item (9)					
3060.06 m ²					
Limited to 3060.06 m ²					
@ 192.94/m ²				28	590396 ²
(12) Constn of unreinforced P.C.C pavement M.30					
Qty vide TMB p/61 item (6)					
457.58 m ³					
@ 6188.20/m ³					28,31,597 ²
(13) Plv Renm-15 grade King 15 Stone.					
Qty vide TMB p/63 item (8)					
63 Nos @ 2077.18/each					6232 ²
(14) Plv & binding 200 mm Stone					
Qty vide TMB p/63 item (9)					
06 Nos @ 582.90/each					3497 ²
(15) Plv & binding boundary Pillars					
Qty vide TMB p/63 item (12)					
40 Nos @ 494.34/each					19774 ²
					NS 9728141 ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BTF Rs 4728/412
(16) P/V & lining of Eoomm 18 Circular					
Qty wide TMB P/64 item (11)					
04 Nos @ Rs 4625.08/each					18500=
(17) P/V 900 mm equilateral 19 triangle					
Qty wide TMB P/64 item (12)					
02 Nos @ Rs 3450.84/each					6902=
(18) 600mm x 450mm rectangular Qty wide TMB P/64 item (13)					
02 Nos @ Rs 4501.88/each					9010=
(19) P/V & laying of hot (21+22) applied thermoplastic Compound					
Qty wide TMB P/64 item (14)					
300.40 m ² @ Rs 721.95/m ²					216871=
(23) P/V & erecting of 25 2 place identification board					
Qty wide TMB P/64 item (15)					
01 No @ Rs 2093.23/each					2093=
					/
					B 9981517=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				12	9981517~
(21) Plv binding of typical 26 m masonry project board.					
Qty vol TMB P/4 item (10) =				0.3 Nd	
" " " P/64 item (16) =				0.2 " "	
				0.5 Nd	
				939358/4 adms	46968~
(22) E/w in excavation for 27 founda of struct-					
Qty vol TMB P/51 item (1)					
15.662 m ³ @ 305.42/m ³					4783~
(23) Plv Per m-15 in daval					
28					
Qty vol TMB P/51 item (2)					
2.846 m ³ @ 5125.87/m ³					14588~
(24) Plv Per m. 20 in founda					
29					
Qty vol TMB P/65 item (1)					
13.869 m ³ @ 5572.92/m ³					77291~
(25) Plv 2 bays Laying 600 30 dia NP3 HP.					
Qty vol TMB P/52 item (3)					
7.50 m @ 2575.31/m ³					19465~
(26) E/w in excavate					
32 Qty vol TMB P/18 item (15)					
21.31 m ³ @ 305.42/m ³					6509~
					18 101.51.121~

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				13	10151121
(27) Plu pcc m-15 in 1-2 valley					
33 Course					
Qty vado T m p/48 item (16)					
2.66 m ³ 2.13 5125.87/3 m					13635
(28) Plu pcc m-20 in 1-2 valley					
34 Qty vado T m p/49 item (17)					
26.83 m ³ 2.14 5572.92/3 m					149521
				13	10314277
Labour cost 1%				= 1	103143
4-5 ft 12%				= 1	1237713
				13	11655133
					(A)
Seigniorage Fee					
i) item (3) 865.89 m ³ x 3.48				= 2	3018
ii) item (4) 889.51 m ³ x 3.48				= 2	3095
iii) item (5) 3015377 x 3.48				=	10494
iv) item (6) 967.00 x 3.48				= 2	3365
v) item (7) 929.15 x 55.58				= 2	51659
vi) item (8) 430.89 x 71.43				= 2	30778
vii) item (11) 3060.00 x 1.413				=	4324
viii) item (12) 457.58 x 60.29				=	27587
ix) item (23) 2.846 x 52.024				=	148
x) item (24) 13.869 x 74.033				=	1027
xi) item (25) 7.50 x 0.056				=	0
xii) item (27) 2.66 x 52.026				=	138
xiii) item (28) 26.83 x 74.033				=	1986

137614

Limit 130,086

Continuation

(13)

