

Pinggy Sethna Path to durga Asthan Sethna wla
Dhobitola (New MR Maint Policy-2018)

Schedule XLV-Form No. 134

Cost Cost: - 9294549=

Maint Cost: - 962682=

DIVISION

Contractor: - Sunny Builders Pvt Ltd.

Start Date: - 18.4.23

SUB-DIVISION

End Date: - 17.01.24

Below: - 15%

MB. No - 796

MEASUREMENT BOOK

1.

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.	
Name of work - pmgsy Sethna path to Durga Asthan Sethna via Dhobi-tola					
Name of Agency - Sunny Build Con Pvt. Ltd.					
Agreement No. -					
Date of start - 18.04.2023					
Date of Completion - 17.01.2024					
Date of measurement - 08-08-2023					
Record measurement					
① clearing and grubbing road					

land etc. all comp.					
2x	10x	30x	1.50	=	900m ²
2x	5x	30x	1.50	=	450m ²
2x	5x	30x	1.50	=	450m ²
2x	10x	30x	1.50	=	900m ²
2x	4x	30x	1.50	=	360m ²
					3060m ²
					0.31 Hect

② Construction of embankment

With approved material etc. all comp.
in earthen portion

1x	25x	6.13+5.94	x 1	=	150.875m ³
2x	30	x 5.94+5.98	x 1	=	357.60m ³
3x	30x	5.98+6.08	x 1	=	542.70m ³
1x	22	x 6.08+5.12	x 1	=	123.20m ³

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
$3 \times 30 \times 5.12 + 6.78 \times \frac{2}{2} \times 1 = 535.50 \text{ m}^3$					
$2 \times 30 \times 6.78 + 6.23 \times \frac{2}{2} \times 1 = 390.30 \text{ m}^3$					
$2 \times 24 \times 6.23 + 6.04 \times \frac{2}{2} \times 1 = 294.48 \text{ m}^3$					
$2 \times 28 \times 6.04 + 5.52 \times \frac{2}{2} \times 1 = 323.68 \text{ m}^3$					
$2 \times 30 \times 5.52 + 6.16 \times \frac{2}{2} \times 1 = 350.40 \text{ m}^3$					
$1 \times 9 \times 6.16 + 6.18 \times \frac{2}{2} \times 1 = 55.53 \text{ m}^3$					
Allow $21/08/23$ HP current $21/08/23$ 3124.26 m^3					
3120 m^3					
③ E/W in excavation etc. all					
Comp.					
H.W.					
$3 \times 2 \times 3.90 \times 1.15 \times 1.50 = 40.365 \text{ m}^3$					
Below pipe					
$3 \times 1 \times 5.35 \times 1.13 \times 0.365 = 6.621 \text{ m}^3$					
					46.98 m^3

④ providing m/s (pcc 1:2:5.5)					
as levelling Course etc. all					
Comp.					
H.W.					
$3 \times 2 \times 3.90 \times 1.15 \times 0.150 = 4.036 \text{ m}^3$					
Below pipe					
$3 \times 1 \times 5.311 \times 1.13 \times 0.250 = 4.50 \text{ m}^3$					
Less for pipe					
$3 \times 0.250 \times 0.7857 \times 0.830^2 \times 5.849 = -2.37 \text{ m}^3$					
					6.15 m^3
⑤ plain/RCC in Substructure					
etc. all					
Comp.					
H.W.					
$3 \times 2 \times 3.60 \times 0.70 \times 2.18 = 32.96 \text{ m}^3$					
parrapet					
$3 \times 2 \times 3.60 \times 0.40 \times 1.20 = 10.37 \text{ m}^3$					
Less for pipe					
$3 \times 2 \times 0.7857 \times 0.830^2 \times 0.530 = -1.72 \text{ m}^3$					
					41.61 m^3
⑥ P/L RCC pipe NP-3 for culvert					
etc. all					
Comp.					

Continuation $3 \times 3 \times 2.50 = 22.50 \text{ m}^3$

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑦ Excavation for road work in					
Soil etc. all Comp.					
$2 \times 4 \times 30 \times \frac{0.372 + 0.378}{2} \times 0.175 = 16.17 \text{ m}^3$					
$2 \times 5 \times 30 \times \frac{0.378 + 0.375}{2} \times 0.175 = 19.77 \text{ m}^3$					
$2 \times 3 \times 30 \times \frac{0.375 + 0.370}{2} \times 0.175 = 11.73 \text{ m}^3$					
$2 \times 2 \times 30 \times \frac{0.370 + 0.362}{2} \times 0.175 = 7.69 \text{ m}^3$					
$2 \times 2 \times 30 \times \frac{0.362 + 0.398}{2} \times 0.175 = 7.98 \text{ m}^3$					
$2 \times 1 \times 20 \times \frac{0.398 + 0.382}{2} \times 0.175 = 2.73 \text{ m}^3$					
					66.07 m ³
					limit — 65.63 m ³
⑧ Construction of GSB Gravel.					
all Comp.					
$2 \times 24 \times 3 \times \frac{3.82 + 3.78}{2} \times 0.100 = 18.48 \text{ m}^3$					
$3 \times 30 \times \frac{3.78 + 3.76}{2} \times 0.100 = 33.93 \text{ m}^3$					
$4 \times 30 \times \frac{3.76 + 3.82}{2} \times 0.100 = 45.98 \text{ m}^3$					
$1 \times 20 \times \frac{3.82 + 3.72}{2} \times 0.100 = 7.54 \text{ m}^3$					
$2 \times 28 \times \frac{3.72 + 3.84}{2} \times 0.100 = 21.17 \text{ m}^3$					
$2 \times 30 \times \frac{3.84 + 3.77}{2} \times 0.100 = 22.83 \text{ m}^3$					
$1 \times 30 \times \frac{3.77 + 3.65}{2} \times 0.100 = 11.18 \text{ m}^3$					
$1 \times 6 \times \frac{3.65 + 3.62}{2} \times 0.100 = 2.18 \text{ m}^3$					
$3 \times 30 \times \frac{3.62 + 3.76}{2} \times 0.100 = 34.11 \text{ m}^3$					
					196.85 m ³
					limit — 195 m ³
$2 \times 5 \times 30 \times \frac{0.382 + 0.375}{2} \times 0.100 = 11.35 \text{ m}^3$					
$2 \times 4 \times 30 \times \frac{0.375 + 0.370}{2} \times 0.100 = 8.94 \text{ m}^3$					
$2 \times 3 \times 30 \times \frac{0.370 + 0.385}{2} \times 0.100 = 6.79 \text{ m}^3$					
$2 \times 4 \times 30 \times \frac{0.385 + 0.382}{2} \times 0.100 = 9.20 \text{ m}^3$					
$2 \times 1 \times 20 \times \frac{0.382 + 0.378}{2} \times 0.100 = 1.52 \text{ m}^3$					
Continuation					37.80 m ³
					limit — 37.50 m ³

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Total Qty = $(195 + 37.50) m^3$					
AKur 12/09/23 JE 18/09/23					270 m ³
(9) P/L Spreading and Compacting					
108m Gr-3 etc. all Comp.					
$1 \times 2.6 \times 3.86 + 3.78 \times 0.075 = 7.95 m^3$					
$1 \times 3.0 \times 3.78 + 3.80 \times 0.075 = 8.53 m^3$					
$3 \times 3.0 \times 3.80 + 3.82 \times 0.075 = 25.72 m^3$					
$1 \times 1.8 \times 3.82 + 3.60 \times 0.075 = 5.0 m^3$					
$4 \times 3.6 \times 3.60 + 3.98 \times 0.075 = 34.11 m^3$					
$2 \times 3.0 \times 3.98 + 3.85 \times 0.075 = 17.62 m^3$					
$3 \times 2.5 \times 3.85 + 3.94 \times 0.075 = 21.90 m^3$					
$3 \times 3.0 \times 3.94 + 3.62 \times 0.075 = 25.51 m^3$					
$1 \times 1.1 \times 3.62 + 3.48 \times 0.075 = 3.0 m^3$					
					148.84 m ³
					limit - 146.25 m ³
$2 \times 5 \times 3.0 \times 0.378 + 0.375 \times 0.075 = 8.47 m^3$					
$2 \times 4 \times 3.0 \times 0.375 + 0.380 \times 0.075 = 6.80 m^3$					
$2 \times 3 \times 3.0 \times 0.380 + 0.366 \times 0.075 = 5.0 m^3$					
$2 \times 4 \times 3.0 \times 0.366 + 0.384 \times 0.075 = 6.75 m^3$					
$2 \times 1 \times 2.0 \times 0.384 + 0.392 \times 0.075 = 1.16 m^3$					
					28.18 m ³
					limit - 28.13 m ³
Total Qty = $(146.25 + 28.13) m^3$					
AKur 25/09/23 JE 26/09/23					174.38 m ³
(10) Construction of dry lean Cement					
Concrete etc. all Comp.					
$3 \times 2.5 \times 2.55 \times 0.075 = 14.34 m^3$					
$5 \times 3.0 \times 1.80 \times 0.075 = 20.25 m^3$					
$6 \times 2.0 \times 1.95 \times 0.075 = 17.55 m^3$					
					Continuation
$4 \times 3.0 \times 2.25 \times 0.075 = 20.25 m^3$					

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
4 x	25 x 1	25 x 0	0.075		$= 9.37 m^3$
7 x	24 x	2.55 x	0.075		$= 32.13 m^3$
				113.89	m^3
		limit		112.50	m^3

(11) Construction of un-reinforced

pcc pavement etc all Comp

1 x 28 x	3.95 + 3.75		$\times 0.160 = 17.25 m^3$
2 x 30 x	3.75 + 3.82		$\times 0.160 = 36.34 m^3$
3 x 22 x	3.82 + 3.66		$\times 0.160 = 39.49 m^3$
4 x 30 x	3.66 + 3.92		$\times 0.160 = 72.77 m^3$
3 x 30 x	3.92 + 3.78		$\times 0.160 = 55.44 m^3$
1 x 25 x	3.78 + 3.74		$\times 0.160 = 15.64 m^3$
3 x 30 x	3.74 + 3.80		$\times 0.160 = 54.29 m^3$
5 x 30 x	3.80 + 3.92		$\times 0.160 = 92.64 m^3$
4 x 30 x	3.92 + 3.70		$\times 0.160 = 73.15 m^3$
5 x 30 x	3.70 + 3.78		$\times 0.160 = 89.76 m^3$
4 x 30 x	3.78 + 3.98		$\times 0.160 = 74.50 m^3$
			621.27 m^3
		limit	618.12 m^3

(12) Construction of Subgrade and

earthen shoulders etc all Comp.

2 x 5 x 30 x	0.725 + 0.610		$\times 0.300 = 60 m^3$
2 x 5 x 30 x	0.610 + 0.680		$\times 0.30 = 58.05 m^3$
2 x 4 x 30 x	0.680 + 0.610		$\times 0.30 = 46.44 m^3$
2 x 5 x 30 x	0.610 + 0.550		$\times 0.30 = 52.20 m^3$
2 x 5 x 30 x	0.550 + 0.690		$\times 0.30 = 55.80 m^3$
2 x 10 x 30 x	0.690 + 0.595		$\times 0.30 = 115.65 m^3$

Continuation 388.14 m^3 limit — 382.50 m^3

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑬ RCC mis grade km stone					2 Nos.
⑭ RCC mis grade 200m stone					4 Nos.
⑮ Direction and place identification					
2x 1.20 x 0.80 =					1.92 m ²
⑯ 600mm equilateral triangle					11 Nos.
⑰ 600mm Circular					8 Nos.
⑱ 600mm x 450mm rectangular					3 Nos.
⑲ 900mm octagon stop board					2 Nos.

⑳ RCC mis grade boundary pillar
16 Nos.

㉑ p/L of hot applied thermos -

plastic Compound etc. all Comp.

2x 34 x 36 x 0.10 = 204 m²

㉒ p/f of logo of maintenance

project 3 Nos.

AKur
20/11/23
JE

48
20/11/23
AK2

Material Statement

① E/W - 3120 m³

② Subgrade - 382.50 m³

③ GSB Gr-1

Stone metal - 240.30 m³

Course sand - 105.30 m³

④ WBM Gr-3

Stone metal - 211 m³

Screening material - 41.85 m³

⑤ PCC

Agg - 599.29 m³

Sand - 299.65 m³

AKur
20/11/23
JE

Continuation

Abstract of Cost

1st on A/c Bill

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1/1 Clearing and grubbing road land etc. all Comp.					
Qty vide TMBP. —				1/1	
= 0.31 Hect @ Rs. 62032.43/Hect —					Rs. 19230.200
2/2 Construction of embankment with approved etc. all Comp.					
Qty vide TMBP. —				2/2	
= 3120 m ³ @ Rs. 250.34/m ³ —					Rs. 781062.200
3/3 Construction of Subgrade & cartway shoulder etc. all Comp.					
Qty vide TMBP. —				5/12	
= 382.50 m ³ @ Rs. 253.71/m ³ —					Rs. 97094.200
4/4 Excavation for roadwork etc. all Comp.					
Qty vide TMBP. —				3/7	
= 65.63 m ³ @ Rs. 99.78/m ³ —					Rs. 6549.200
5/5 Construction of GSB Gr. 1 etc. all Comp.					
Qty vide TMBP. —				4/8	
= 270 m ³ @ Rs. 2381.77/m ³ —					Rs. 643078.200
6/6 p/l, spreading and Compacting WBM Gr. 3 etc. all Comp.					
Qty vide TMBP. —				4/9	
= 174.38 m ³ @ Rs. 3280.22/m ³ —					Rs. 572005.200
7/7 Construction of dry lean Cement Concrete etc. all Comp.					
Qty vide TMBP. —				5/10	

Continuation

Cl to Rs. 2118967.200

Sch.XLV-Form No. 134 B/F B. 2118367200

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
= 112.50 m ² @ B. 6755.92/m ²					
			B. 7	60041	200
8/8 Construction of un-reinforced					
PCC Chk. all Comp.					
Qty vide TMBP. —				5/11	
= 618.12 m ² @ B. 8242.44/m ²				B. 5094817	200
9/9 RCC mis grade 1cm stone					
Qty vide TMBP. —				6/13	
= 2 Nos. @ B. 2817.19/No. —				B. 5634	200
10/10 RCC mis grade 20cm stone					
Qty vide TMBP. —				6/14	
= 4 Nos. @ B. 817.33/No. —				B. 3270	200
11/11 direction and place inter-					
Location Sign etc. all Comp.					
Qty vide TMBP. —				6/15	
= 1.92 m ² @ B. 15040.85/m ²				B. 28878	200
12/12 600mm equilateral triangle					
Qty vide TMBP. —				6/16	
= 11 Nos. @ B. 4440.11/No. —				B. 48841	200
13/13 600mm Circular					
Qty vide TMBP. —				6/17	
= 8 Nos. @ B. 4337.44/No. —				B. 34700	200
14/14 600mm x 450mm rectangular					
Qty vide TMBP. —				6/18	
3 Nos. @ B. 4192.26/No. —				B. 12577	200
15/15 900mm octagon step board					
= 2 Nos. @ B. 8681.44/No. —				B. 17362	200

Continuation

C/o B. 8125088200

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
16/16 RCC mis grade boundary pillar					
etc. all Comp.					
Qty vide TMBP. —				6/20	
= 16 nos. @ R. 756.61/No. —				R. 12266200	
7/18 p/L of hot applied thermoplastic Compound etc. all Comp.					
Qty vide TMBP. —				6/21	
= 204 m ² @ R. 926.40/m ² —				R. 188986200	
18/19 p/f logo of maintenance					
Qty vide TMBP. —				6/22	
= 3 nos. @ R. 12744.95/No. —				R. 38235200	
19/20 E/W in excavation for structure etc. all Comp.					
Qty vide TMBP. —				2/3	
= 46.98 m ³ @ R. 326.71/m ³ —				R. 15349200	
20/21 providing mis as levelling Course etc. all Comp.					
Qty vide TMBP. —				2/4	
= 6.15 m ³ @ R. 6755.92/m ³ —				R. 41549200	
21/22 plain p/L RCC pipe NP-3 for culverts etc. all Comp.					
Qty vide TMBP. —				2/6	
= 22.5 m @ R. 3129.43/m —				R. 70412200	
22/23 plain RCC m20 in Substructure etc. all Comp.					
Qty vide TMBP. —				2/5	
= 41.61 m ³ @ R. 7790.65/m ³ —				R. 324169200	

Continuation

8816054200

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
		8/f	8816	054	200
Add 18% GST — B.		15868	90	200	
Add 1% Labour Cost — B.		8816	1	200	
Seigniorage fee — B.		1159	15	200	
		B.	106070	20	200
less for 15% below					
as per agreement — (-) B.		15910	53	200	
		B.	90159	67	200
AKKUR 20/11/23 JE		90159	67	23	