

Schedule XLV-Form No. 134
RAMKOLA SE DUMARI PATH. (MMMSU)

Executive Engineer

**Rural Works Department
Works Division Marhaura**

DIVISION

Taxaiya

SUB-DIVISION

Ex. A. P Construction.

MEASUREMENT BOOK

1007.

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Name of work - masonry road from					
Ramkola to Duvvi.					
Agency - Er. A. P. Construction M.L.H.					
Agreement No - 06 mmsury/MSB/2024-25					
Date of start - 30/08/24					
Date of completion - 29/08/24					
Date of measurement -					
Re work measurement					
Box culvert (5.0 x 3.0 m)					
① Earthwork in excavation in					
foundation upto 0.30 m - d -					
Box - $1 \times 5.00 \times 3.00 \times 0.30 = 50.59 \text{ m}^3$					

Cut off wall	$2 \times 6.50 \times 1.30 \times 1.50 = 31.82 \text{ m}^3$
Return wall	$4 \times 2.90 \times 3.66 \times 1.50 = 102.77 \text{ m}^3$
Total	$= 185.18 \text{ m}^3$

② Mr. P. C. M-15 in foundation
— do — all complete job

Box	$1 \times 5.80 \times 3.30 \times 0.10 = 4.81 \text{ m}^3$
Return wall	$4 \times 2.90 \times 2.66 \times 0.20 = 6.17 \text{ m}^3$
Total	$= 10.98 \text{ m}^3$

③ Supplying & fixing H.V.C.B. bar in foundation.

$2 \times 25 \times 5.92 = 2.96 \text{ m}$	
@ 0.89 kg/m	$= 263.44 \text{ kg}$
$2 \times 36 \times 3.54 = 2.54 \text{ m}$	
@ 0.395 kg/m	$= 100.68 \text{ kg}$

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
① cleaning & curbing road					
lane — do — do —					
vide TMB, P 43 = 1.48275 Ha					
@ 76926.08/Ha = B 114062.00					
② Scratching the existing					
bituminous road — do —					
vide TMB, P 43 = 6487.50 m ²					
@ 32.78/m ² = B 212660.00					
③ Construction of subgrade					
and earthen shoulder — do —					
vide TMB, P 57 = 1634.176 m ²					
Total = 2335.44 m ²					
@ B 264.72/m ² = B 618238.00					
④ Construction of U.S. B Unit					
— do — do — all complete job —					
vide TMB, P 43 = 54.799 m ²					
@ B 2945.01/m ² = B 161384.00					
⑤ Providing & laying W.B.M. (U.S.)					
— do — do —					
vide TMB, P 43 = 1074.66 m ²					
vide TMB, P 53 = 15.95 m ²					
Total = 1090.61 m ²					
@ B 6000.03/m ² = B 6543717.00					

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑥ Providing & applying Prime coat — do — do —					
vide TMB, P-44 = 13256.25 m ²					
@ 54.52/m ² = Rs 722731.00					
⑦ Providing & applying tack coat — do — do —					
vide TMB, P-44 = 13256.25 m ²					
@ 18.72/m ² = Rs 248157.00					
⑧ Providing & applying tack coat with R.S-I					
vide TMB, P-44 = 13256.25 m ²					
@ 15.67/m ² = Rs 207725.00					
⑨ Providing & laying S.M — do — 50mm — do —					
vide TMB, P-44 = 662.813 m ²					
@ Rs 12610.47/m ² = Rs 8358383.00					
⑩ Providing & laying S.S-B-C 25mm thick — do — do —					
vide TMB, P-44 = 331.411 m ²					
@ Rs 14941.94/m ² = Rs 4951923.00					
⑪ Construction of dry lean cement concrete — do — do —					
vide TMB, P-44 = 47.304 m ³					
vide TMB, P-52 = 12.70 m ³					
Total = 60.0 m ³					

Continuation Rs 22138980.00

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					$\text{② } 5735.027/m^3 \rightarrow 344102.20$
⑫ Construction of Panel					
cement concrete - do -					
vide TMB, P-45 = 1192.60 m ³					
vide TMB, P-54 = 276.59 m ³					
Total = 1469.19 m ³					
⑬ 9859.147/m ³ → 1,448,496.00					
⑬ Pro R.C.M-15 in Local Stone					
(i) KM Stone					
vide TMB, P-56 = 7 NOV					
⑭ 3019.54/m ³ → 21137.200					
(ii) 200mm stone					
vide TMB, P-56 = 11 NOV					
⑮ 829.48/m ³ → 9124.200					
⑭ Retro-reflective traffic					
Sign board - do -					
vide TMB, P-56 = 3.84 m ²					
⑯ 15063.81/m ² → 57845.200					
⑮ Providing & fixing retro-reflective					
conforming, mandatory sign board.					
600mm equilateral triangle					
vide TMB, P-56 = 12 NOV					
⑰ 4601.21/m ² → 55215.200					
Continuation					371,11363.200

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
600mm circular					
vide TMB, P-56 = 3 Nos					
@ 6013.17/5 = Rs 36079.200					
600x450mm rectangular					
vide TMB, P-56 = 4 Nos					
@ 5868.64/5 = Rs 23475.200					
900x300mm Hazard marker					
vide TMB, P-56 = 36 Nos					
@ Rs 5868.64/5 = Rs 211271.200					
900mm side octagonal					
vide TMB, P-56 = 3 Nos					
@ Rs 10338.00 = Rs 31014.200					
(16) Pr. R. GEM-15 in Boundary					
Pillar — do — do —					
vide TMB, P-56 = 144 Nos					
@ Rs 683.68/5 = Rs 98450.200					
(17) Planting tree by road side					
avenue plantation — do —					
vide TMB, P-56 = 175 Nos					
@ 1305.10/5 = Rs 228393.200					
(18) Providing hot applied thermos					
plastic compound — do —					
(i) At edge of BT Portion.					
vide TMB, P-44 = 700.00 m ²					
@ 886.50/m ² = Rs 620550.200					
(ii) Pedestrian crossing					
vide TMB, P-57 = 7.20 m ²					

Continuation 38360595200

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					@ Rs 886.50/m ² 6383200
(15) At edge of c/c Portion,					
vide TMB, P-58 = 639.0 m ²					
					@ Rs 988.82/m ² 631856200
(19) Providing & fixing masonry					
gun board — do —					
vide TMB, P-44 = 2 NO					
vide TMB, P-58 = 1 NO					
TOTAL = 3 NO					
					@ Rs 11030.01/52 3309020
(20) Earthwork in excavation					
in foundation trench —					
vide TMB, P-17 = 42.0 m ³					
					@ Rs 405.88/m ³ 29220200
(21) Br. p. c. M-15 in 0.2m					
foundation — do —					
vide TMB, P-51 = 5.40 m ³					
					@ Rs 7210.01/m ³ 38934200
(22) Br. p. c. M-20 in cub-					
structure — do —					
vide TMB, P-52 = 65.55 m ³					
					@ Rs 8276.59/m ³ 542530200
(23) Providing weep holes in					
— do — do —					
vide TMB, P-52 = 60 NO					
					39642608200

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	@ 285.88/D				17123200
25) Providing & laying hilly material — do —					
vide TMB, P-52 = 14.40 m ³					
@ B 4647.69/m ³					66927200
26) Earthwork in excavation in foundation trenches —					
vide TMB, P-47 = 185.18 m ³					
@ B 405.83/m ³					75152200
27) Providing P.C.C M-15 in foundation — do —					
vide TMB, P-47 = 10.98 m ³					
@ B 7210.01/m ³					79166200
28) Providing P.C.C M-20 in foundation, —					
vide TMB, P-48 = 35.70 m ³					
@ B 8276.59/m ³					295474200
29) Supplying & fitting HYSD Reinforcement — do —					
vide TMB, P-48 = 0.364 MT					
@ B 71697.99/MT					26098200
30) Pro. P.C.C M-20 in sub-structure — do —					

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	

Vide TMB, P-48 = 26.42 m³

@ 8276.59/m³ = 218668200

31) For weep holes in masonry

— do — do —

Vide TMB, P-50 = 64 NDA

@ 285.88/5 = 18264200

32) For p.c.m. in sub

structure — do —

Vide TMB, P-49 = 39.18 m³

@ 8355.35/m³ = 327363200

33) Supplying & fitting Hysd

Bar — do — do —

Vide TMB, P-49 = 3.66 MT

@ 71913.29/MT = 263203200

34) Backfilling behind Abutment wing wall etc.

Vide TMB, P-49 = 70.50 m³

@ 2347.41/m³ = 165492200

35) Providing & laying filter media

— do — do —

Vide TMB, P-49 = 35.59 m³

@ 4655.134/m³ = 165676200

C/D — do — 41361214200

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
36) For laying R.C in substructure — do —					
vide TMB, P-50 = 20.79 m ³					
@ 9686.92/m ³					201391200
37) Supplying & fitting HYSD bar — do — do —					
vide TMB, P-50 = 1.68 MT					
vide TMB, P-51 = 0.135 MT					
Total = 1.815 MT					
@ 73468.39/MT					133336200
38) For P.Ce M-20 in substructure — do — do —					
vide TMB, P-51 = 6.78 m ³					
@ 8276.59/m ³					56115200
39) Painting of parapet wall — do — do —					
vide TMB, P-58 = 41.92 m ²					
@ 136.59/m ²					5726200
40) Drainage spout as per specification — do —					
vide TMB, P-51 = 4 Nos					
@ 5763.45/51					23054200
41) Providing & laying bearing coat — do — do —					
vide TMB, P-51 = 3.26 m ²					

Continuation 41780836200

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	@ 14455.27/m ²	47	12	5	200
② Binding & laying p.c.c. in Approach slab -					
vide TMB, P-53 = 11.25 m ²					
	@ 13867.00/m ²	150	30	1	200
③ p.c.c. M-20 below approach slab -					
vide TMB, P-53 = 5.63 m ²					
	@ 7813.09/m ²	44	0	16	200
④ Earthwork in excavating in foundation trench -					
vide TMB, P-					
⑤ Brickwork in cm 1:1:3 in parapet -					
vide TMB, P-54 = 21.09 m ²					
	@ 6323.95/m ²	133	37	2	200
⑥ Plastering with cement mortar (1:4) on wall -					
vide TMB, P-55 = 201.12 m ²					
	@ 202.41/m ²	40	70	9	200
⑦ Painting two coat on new surface -					
vide TMB, P-55 = 201.12 m ²					
	@ 136.59/m ²	27	47	1	200
		4	22	238	30

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					BP = Rs 4,22,23830-00
Add 18% GST					= Rs 7600289-00
Add @ 1% Labour cum					= Rs 422238-00
Add Signature fee					= Rs 445097-00
					= Rs 50691454-00
Less 12.31% below					= Rs 6240118-00
					= Rs 4,44,51,336-00
Less previous payment					= Rs 3,61,09,846-00
Net Amount					= Rs 83,41,490-00
Work has been completed & all the specifications & drawings of 5/4. Sub 19/8/25 Mmm/b AE 19/8/25 J.E					