

Name of scheme: — Construction & Maintenance of Road from:
PMGSY to Raja Bigha In Dhanurua Block.

Schedule XLV-Form No. 134

ATEIO Conty: — 64-12-31

PMGSY (General)

Agens: — Anuresh Kumar

DIVISION

Agno: — 10/SEB/2019-20

SUB-DIVISION

Below: — 0.01.1.

Measurement Book

→ 1108

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>4th A/c Btl</u>					
Name of work:- Constn & 5 years maintenance of road from PMGSY (Road) to Rajabiga under PMGSY (GEN) in Dhaneru Block.					
N/Contractor:- Sri Anurag Kumar					
Approved:-	—	10/5/30/2019-20			
Start dt:-	—	30/8/2019			
Int. dt of Comp:-	—	29.8.2020			
Date of Entry:-	—	18/2/21			
<u>work done</u>					
(1/5) Construction of subgrade					
and Carpet Shallow					
do — do — Comp. JWS					
<u>In Main road, bare</u>					
Sub. grade - CH: 948.90 to 969M.					
					$1A 20.10 \times 7.98 \times 0.30 = 48.12 M^3$
(2/6) Construction G.C.B. Soil -					
do — do — Comp. JWS					
CH: 792.90 - 816.90 M	1A	21.00	4.05	0.20	$= 19.49 M^3$
CH: 948.90 - 969M	1A	20.10	4.05	0.20	$= 16.28 M^3$
					$= 35.72 M^3$
(3/7) Constn of W.B. M. G. 3. — do —					
all Comp JWS					
CH: 790.90 - 819.90	1A	29.00	3.75	0.075	$= 8.16 M^3$
CH: 948.90 - 969M	1A	20.10	3.75	0.075	$= 5.65 M^3$
					$= 13.81 M^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/8) Former Cont 11.16. 1/2 comb.					
(SS1) — 2 — — — 2'					
CH: 770.70 — 816.90M					
1A 29.00M 3.75					= 108.75m ²
CH: 948.90 — 961.00M					
1A 20.10M 3.75					= 75.38"
					= 184.13m ²
(6/1) Take Cont with parallels					
(RS-1) — 2 — — — 2'					
8/5 - Same area 11A (1/8)					= 184.13m ²
(6/10) M.S.S:- Poorly 2A 1/2					
2 20' 1/2 20' 1/2 11A					
Mix seed to 100' 1/2 =					
CH: 770.70 to 816.90M					
1A 29.00M 3.75					= 108.75
CH: 948.90 to 961.00M					
1A 20.10M 3.75					= 75.38
					= 184.13m ²
(6/5) Cont of 1/2 1/2 1/2 1/2 1/2					
eastern shoulder — 20					
Cont of 1/2 1/2 1/2 1/2 1/2					
CH: 770.70 — 816.90M					
End of 1/2 1/2 1/2 1/2 1/2	2+29.00M	1.33M	0.20		= 15.43m ²
End of 1/2 1/2 1/2 1/2 1/2	2+29.00M	1.202M	0.075		= 5.23"
CH: 948.90 to 961.00M					

Continuation

1/2 1/2 1/2 1/2 1/2
 " 6/2 - 2x20.10x1.33x0.20 = 10.67
 " 6/2 - 2x20.10x1.202x0.075 = 3.62
 = 34.97m²

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7/12) Lay if thru sch p					
do — do — cut					
<u>12 store of C.C.P.</u>					
Bolt & nut	2x	30.00	0.25		= 15.00 m ²
Wash	1x	28.40	0.25		= 7.00 "
"	1x	25.00	0.25		= 6.25 "
Bolt & nut	2x	18.00	0.25		= 9.00
"	2x	30.00	0.25		= 15.00
Total Qty =					52.25 m ²

(8/23) P/V & Lay if of hot applied
thermo plastic compound
2.5 mm thick —————

B.T. Part

CH: 331.90 to 969.00 M upto Drkub
8000

2x 21 x 30.00 x 0.10 = 126.00

2x 1 x 7.10 x 0.10 = 1.40

Link road to Thamarapalayam

CH: 00 — 184 M

2x 6x 30.00 x 0.10 = 36.00

2x 1 x 4.00 x 0.10 = 0.80

Link to Community Hall.

CH: 00 — 270 M

2x 9x 30.00 x 0.10 = 54.00

= 218.20 m²

(9/24) P/V & Lay if of hot
applied thermo plastic

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Compound ed					
<u>C.C. border part</u>					
<u>CH 200 - 33 1.90m</u>					
2 x 11 x 30.00 x 0.10 =					66.00m ²
2 x 1 x 1.90 x 0.10 =					0.38 "
					= 66.38m ²
10) Calculation of Earth work					
in embankment — —					
(As per Level graph & Calculation Sheet)					
CHAINAGE	C/S (m ²)	Mean C/S	Dist. (M)	Fell of 8h	
(Meter)	(M ²)	(M ²)	(M)	M ³	
(A) Main part road -					
00	2.25	—	—	—	
50	2.45	2.35	50	117.50	
100	2.50	2.475	50	123.75	
150	2.55	2.525	50	126.25	
200	1.95	2.25	50	112.50	
250	1.75	1.85	50	92.50	
300	2.95	2.35	50	117.50	
350	4.87	3.91	50	195.50	
400	7.35	6.11	50	305.50	
450	7.45	7.40	50	370.00	
500	7.00	7.225	50	361.25	
550	8.75	7.875	50	393.75	
600	5.75	7.25	50	362.50	
650	5.60	5.675	50	283.75	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
700	5.65	5.675	50	921.95	
750	5.75	5.70	50	925.00	
800	6.15	5.95	50	997.25	
850	3.75	7.45	50	272.50	
900	3.75	8.25	50	142.50	
950	7.65	8.30	50	115.00	
969	5.54	6.95	19	125.21	
With Cont. - $D_{1/2} =$				5121.06 m ³	
				(A)	
Deductio of Cont					
(1) S.S. good & Carriage & Dubs					
2451.57 + 48.12 + 34.97 =				2534.66 m ³	
(11) S.S. f. G.S.B.					
959.88 + 35.72 =				995.60 m ³	
(111) W.B.M. G.S.B.					
385.87 + 13.81 =				399.68 m ³	
(1V) C.C. level M.B.				201.65 m ³	
Total deductio $D_{1/2} =$				4131.61 m ³	
				(B)	
Hence, Net $D_{1/2}$ of Emb'th.					
$= (A - B) = 5121.06 - 4131.61 =$					
(B) Link Road to Human bridge					
C.H. c/s	Mean c/s	Ditto		Filling $D_{1/2}$	
00	3.85	—	—	—	
50	3.75	3.80	50	190.00	
100	3.65	3.70	50	185.00	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
150	3.75	3.70	50	125.40	
124	3.10	2.95	34	116.45	
With Cont. Blk =					676.45 M ³
(C) <u>down to Commanding Wall</u>					
CH: C/S	17.50	17.50	17.50	17.50	
00	6.13	—	—	—	
50	6.02	6.105	50	305.25	
100	6.25	6.165	50	312.25	
150	6.30	6.275	50	313.25	
200	6.15	6.225	50	311.25	
250	6.25	6.20	50	310.50	
270	5.25	6.15	20	131.00	
With Cont. Blk =					1667.50 M ³
G. Total E. Blk = (A + B + C)					
> 5121.04 + 676.45 + 1667.50					
= 7527.01 M ³ — (D)					
<u>Reduction of Cont. Blk</u>					
(a) Sub grade below ground level					
= 2451.39 + 48.12 + 34.97 + 3534.620"					
(b) E. Blk = 759.34 + 35.72 = 795.06 M ³					
(c) W. Blk = 322.27 + 13.21 = 335.48 M ³					
(d) C. C. Cont. Blk = 251.65 M ³					
= 4131.61 M ³ — (E)					
H. Total Cont. Blk = (D - E)					
= 7527.01 - 4131.61 = 3395.40 M ³					

	AKS G/S	
<u>ABSTRACT OF COST.</u>		
(1) Setting up reference Pillars & Bench Marks - so		
= 1.16 KM. (TMR P/26, Re V/I)		
@ 15471 = Rs/Km ———— ₹ 17,947:-		
(2) Clearing & grubbing road land etc. do		
= 0.851 Hect (TMR P/26, SL 2/2)		
@ 55727 = Cost/Hect ————— ₹ 48538-4		/

→ 66,485 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7/7) Construction of 10.13 M. Gr. 3 do — to — Corp. Dr					
$= 310.72 \text{ m}^3$ (P/27, Sh 7/7)					
$= 75.15 \text{ m}^3$ (Released 1/23, Sh 7/7)					
$= 13.81 \text{ m}^3$ (TMS P/22, Sh 3/7)					
$= 399.68 \text{ m}^3$					
Joint to 392.72 m ³					
@ 3701 = 27 / m ³ — ₹ 1453,600 =					
(8/8) Formwork Coat: P/V 8 apply f. Formwork Coat with (SS-1) — do — to — — — — —					
$= 2885.85 \text{ m}^3$ (TMS P/27, Sh 8/8)					
$= 1001.85 \text{ m}^2$ (Released 1/24, Sh 3/8) (958)					
$= 184.13 \text{ m}^2$ (TMS P/33, Sh 4/8)					
$= 4071.83 \text{ m}^2$ @ 52 = 731 m ² — ₹ 214911 = 00					
(9/9) Take Coat: P/V 8 apply f. Take Coat with (SS-1) — do					
$= 2885.85 \text{ m}^2$ (TMS P/27, Sh 9/9)					
$= 1001.85 \text{ m}^2$ (Released 1/24, Sh 4/9) (958)					
$= 184.13 \text{ m}^2$ (TMS P/33, Sh 5/9)					
$= 4071.83 \text{ m}^2$ @ 18.85 / m ² — ₹ 76751 = 00					
(10/10) M.S.S. P/V & lay up & root P fix seal for form type P. do — to — Corp. Dr					
$= 2885.85 \text{ m}^2$ (TMS P/27, Sh 10/10)					
$= 1001.85 \text{ m}^2$ (Released 1/24, Sh 5/10) (958)					
$= 184.13 \text{ m}^2$ (TMS P/33, Sh 6/10)					
$= 4071.83 \text{ m}^2$ @ 233 = 73 / m ² — ₹ 951709 =					
₹ 6466,468 = 00					

Continuation

P/35, Sh 5/10

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11/11) Const of water in for 100					
C.C. Paved. M. 30					
do				EM	
= 201.65 M ³ (P/28, 94 11/11)					
@ 7619 = 30/m ³					₹ 1536432
(12/12) Laying Bricks 30 L.P					
do				do	
= 65.00 M ² (TMS P/28, 94 12/12)					
= 52.25 m ² (TMS P/34, 94 12/12)					
= 117.25 M ² @ 65 = 03/m ²					₹ 709392
(13/13) P.V. & G.I.P. Drilling					
K.M. Stone					
= 3 Nos (TMS P/28, 94 13/13)					
@ 2436.88 each					₹ 82082
(14/14) P.V. & G.I.P. 200 M. Stone					
(Pre cast) do					
= 5 Nos (TMS P/28, 94 14/14)					
@ 769.21 each					₹ 38460
(15/18) P.V. & G.I.P. Typical survey					
Project Infantry Road					
do					
= 2 Nos (TMS P/28, 94 15/18)					
= 1 Nos (TMS P/28, 94 15/18)					
= 3 Nos @ 156.79 = 68 each					₹ 152394
(16/19) P.V. & G.I.P. 600 Circular					
T/Syn do					

Continuation

= 2 Nos (TMS P/28, 94 16/19)

@ 5793 = 29 each — ₹ 11527

₹ 81,42,719

C/P Continuation

AKS
11/3

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Overall Material to be used</u>					
(I) Earth Dig - - - - -					$5930.08 M^3$
(II) Stone Mchil Regret (Gr 3 + Gr 3)					$1367.91 M^3$
(III) Sand. m (Gr 3 Gr 4)					$381.65 M^3$
(IV) Stone Screening (Gr 3)					$94.25 M^3$
(V) Stone Chufs					$286.44 M^3$
(VI) Coarse Sand.					$90.75 M^3$
(VII) 100A Bricks					$6191 M^3$
(VIII) Bitumen (S-90)					$7737.00 kg$
(IX) Emulsion (SS-1)					$3461.00 kg$ $1251.00 kg$
(X) Emulsion (RS-1)					$1120 kg$

[Signature]
 28/12/21
 JE