

Charan Maji Paid to Tong Solikh

Schedule XLV-Form No. 134

M.M. Singh (Aushesh)

E.E. R. V. D. Wary. Aggarwal **DIVISION**

EE. Klabinger **SUB-DIVISION**

NO 4464

MEASUREMENT BOOK

Agency -

Baldoo Singh

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).

[illegible]

					1st RA Roll
					(1) clearing and grubbing Roll
					Land etc. -
					$2 \times 10 \times 50' \times 3.50 = 3500.00 \text{ m}^2$
					$2 \times 10 \times 50' \times 3.50 = 3500.00 \text{ m}^2$
					$2 \times 10 \times 50' \times 3.50 = 3500.00 \text{ m}^2$
					$2 \times 3 \times 50' \times 3.50 = 1050.00 \text{ m}^2$
					Total: - 11550.00 _m
					Say: - $\frac{11550.00 \text{ m}^2}{10000} \Rightarrow [1.16 \text{ Hect}]$

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(2) Plv and fixing Bench mark and Reference pillars etc.					
(a) Bench Mark: —				2.00 Nos	
(b) Reference pillars: —				6.00 Nos	
(3) Cutting of trees and forests etc. —					
12.00 Nos. —				12.00 Nos	
(4) Excavation for roadway Box cutting etc. —					
[BEST for Flexible]					
$2 \times 15 \times 30.00 \times 0.775 \times 0.10 = 69.75 M^3$					
[BEST for Rigid]					
$2 \times 4 \times 30.00 \times 0.375 \times 0.10 = 9.00 M^3$					
$2 \times 1 \times 20.00 \times 0.375 \times 0.10 = 1.50 M^3$					
				total	80.25 M ³
		(-)			9.00 M ³
		(-)			1.50 M ³

Continuation

Net = 69.75 M³

12/2/24
J.E

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(5) Construction of Subgrade shoulder etc:- [For New construction BT]					
10 x 30.00 x 7.60 x 0.30 =					630.00 M ³
10 x 30.00 x 7.10 x 0.30 =					630.00 M ³
8 x 30.00 x 7.00 x 0.30 =					504.00 M ³
1 x 20.00 x 7.00 x 0.30 =					42.00 M ³
Total:					1806.00 M ³
<i>[Signature]</i> <i>18/2/24</i> <i>G.E</i>					
(6) Construction of embankment obtained Borrow pits lead up to 100m and 100 metre etc (graph attached)					
Sono:- Ch	Fill Area	Mean Area	Mst	Volume	
1	0	0.651	-	-	-
2	50	0.460	0.566	50	28.275 M ³
3	100	0.650	0.565	50	28.230 M ³
4	150	0.775	0.713	50	35.625 M ³
5	200	0.929	1.652	50	82.600 M ³
6	250	1.506	2.015	50	100.725 M ³
7	300	1.043	1.292	50	63.575 M ³
8	350	1.571	1.307	50	63.350 M ³
9	400	1.332	1.452	50	72.575 M ³

Continuation CH:-

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				18 1/2	
Sono	ch	1711 Area	Neon Area	10134	value
10	450	1.527	1.430	50	91.475M ³
11	500	1.418	1.473	50	73.625M ³
12	550	1.705	1.562	50	78.075M ³
13	600	0.752	1.229	50	61.425M ³
14	650	1.615	1.184	50	59.175M ³
15	700	1.012	1.314	50	65.675M ³
16	750	1.118	1.565	50	78.250M ³
17	800	0.801	1.460	50	72.975M ³
18	850	0.866	0.834	50	41.675M ³
19	900	1.936	1.401	50	70.050M ³
20	950	1.760	1.848	50	92.400M ³
21	1000	0.481	1.121	50	56.025M ³
22	1050	0.563	0.522	50	26.100M ³
23	1100	0.354	0.459	50	22.925M ³
24	1150	0.404	0.379	50	18.950M ³
25	1200	0.417	0.411	50	20.525M ³
26	1250	0.846	0.632	50	31.575M ³
27	1300	0.709	0.778	50	38.875M ³
28	1350	1.088	0.899	50	44.925M ³
29	1400	0.858	0.973	50	48.650M ³
30	1450	0.852	0.855	50	42.750M ³
31	1500	0.953	0.903	50	45.125M ³
				44 1/2	

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				BH:-	
Sr No	Ch	Fill Area	Mean Area	Dist	Volume
32	1550	0.961	0.957	50	47.850 M ³
33	1600	0.862	0.812	50	45.575 M ³
34	1650	0.350	0.606	50	30.300 M ³
				Total:-	1761.925 M ³

(a) up to lead 1000 m

$$1761.925 @ 20\% = 352.38 M^3$$

(b) up to lead 100 m

$$1761.925 @ 8\% = 140.954 M^3$$

20/2/24
O.E.

(7) Consents of emolument

approved deposited Material etc:-

Approved by Dm No: (4) Page (2)

$$69.75 M^3 @ 60\% \Rightarrow 41.85 M^3$$

(8) Granular Sub-base G.S.B

etc:-

G.S.B widening Portion (Borrowing)

$$2 \times 15 \times 30.00 \times 0.525 \times 0.10 = 47.25 M^3$$

Profile Correction (Avg)

$$4 \times 15.00 \times 1.50 \times 0.10 = 9.00 M^3$$

$$8 \times 2.60 \times 0.75 \times 0.10 = 1.56 M^3$$

$$CH:- 57.81 M^3$$

Continuation

26/2/24
O.E.

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				B/H:-	57.8 m ³
<u>Pipe Conduits</u>					
	2x	30.00 x	1.00 x	0.10 =	6.00 M ³
	12 x	2.50 x	0.60 x	0.10 =	1.80 M ³
	18 x	1.30 x	0.50 x	0.10 =	1.17 M ³
	2 x	15.50 x	0.90 x	0.10 =	2.79 M ³
<u>SB overlay for 80 B/gt</u>					
	15 x	30.00 x	4.05 x	0.10 =	182.25 M ³
<u>SB in Eastern Overlay</u>					
	10 x	30.00 x	4.05 x	0.20 =	243.00 M ³
	10 x	30.00 x	4.05 x	0.20 =	243.00 M ³
	8 x	30.00 x	4.05 x	0.20 =	194.40 M ³
	1 x	20.00 x	4.05 x	0.20 =	16.20 M ³
<u>For P.C.C Eastern</u>					
	5 x	30.00 x	3.75 x	0.10 =	56.25 M ³
				Total:-	1004.67 M ³

On 28/12/24
J.E

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(9) P.V canal laying water Bound Macadam W.B.M-3 etc:					
For B.T Position					
$10 \times 30' . 60 \times 3' . 75 \times 0' . 075 =$					84.38 M ³
$10 \times 30' . 60 \times 3' . 75 \times 0' . 075 =$					84.38 M ³
$10 \times 30' . 60 \times 3' . 75 \times 0' . 075 =$					84.38 M ³
$10 \times 30' . 60 \times 3' . 75 \times 0' . 075 =$					84.38 M ³
$3 \times 30' . 60 \times 3' . 75 \times 0' . 075 =$					25.31 M ³
For p.c.c position					
$5 \times 30' . 60 \times 3' . 75 \times 0' . 075 =$					42.19 M ³
$3 \times 30' . 60 \times 3' . 75 \times 0' . 075 =$					25.31 M ³
2/3/24 J.E					Total - 430.33 M ³
(10) Earth work excavation for foundation trenches etc:- (3 Nos CD-1000)					
H/W:- $2 \times 3 \times 6.45 \times 1.40 \times 1.50 =$					81.27 M ³
Belappa:- $3 \times 4.850 \times 1.53 \times 0.365 =$					8.12 M ³
					Total - 89.39 M ³
2/3/24 J.E					

Continuation

(12) plain p.c.c for head
 well M20 grade (1:2:4)
 (3 NOS CD - 1000mm ϕ)

H/W:- $2 \times 3 \times 6.15 \times \frac{(1.25 + 0.40)}{2} \times 2.58 = 78.54 \text{ M}^3$

For sapet:- $2 \times 3 \times 6.15 \times 0.40 \times 0.60 = 8.86 \text{ M}^3$

Less sapet:- $2 \times 3 \times 0.7857 \times (1.230)^2 \times 0.622 (-) 4.43 \text{ M}^3$

Total = 82.97 M³

18/3/24
 D.E

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(13) P.W. end fixing NP3 on pipe! -					1500 ^m
3 X 3 X 2.50 →					22.50 Rmt
183 Rmt O.E. S					
<u>ABSTRACT OF COST</u>					
(1/3) clearing and grubbing Road land etc:-					
Qty vide TNB (446) Page (1) Item (1)					
1.16 Hect @ 75573 = 34/Hect					R 87665 = Rs
(2) P.W. end fixing Bench mark and Reference pillars etc:-					
Qty vide TNB (446) Page (2) Item (2)					
(a) Bench mark: 2.10 Hect @ 4435 = 36/Hect					R 8871 = Rs
(b) Reference pillars: 6.6 Hect @ 2054 = 19/Hect					12325 = Rs
					CH = 108861 = Rs

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				BH:-	108861 = 00
$\frac{3}{(4)}$ Cutting of trees and branches etc:-					
Qty. nile TMB (4464) Page (2) Item (3)					
12.00 MS @ 357 = 261 MS				B-	4287 = 00
$\frac{4}{(6)}$ Excavate of Roadway Box Cutting etc:-					
Qty. nile TMB (4464) Page (2) Item (4)					
69.75 M ³ @ 103 = 961 M ³				B-	7251 = 00
$\frac{5}{(10)}$ Construct of Supergrade eastern shoulder etc:-					
Qty. nile TMB (4464) Page (3) Item (5)					
1806.40 M ³ @ 264 = 631 M ³				B-	477922 =
$\frac{6}{(8,9)}$ Construct of embankment Obtained Borrow pits etc:-					
Qty. nile TMB (4464) Page (3) Item (6)					
(a) Up to load 1000 mtr:-					
352.38 M ³ @ 261 = 209 M ³				B-	92003 =
(b) Up to load 100 mtr:-					
81409.50 M ³ @ 177 = 641 M ³				B-	250384 =
				CH:-	940708 = 00

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					BH: 940708 = 60
7 (9) Constituents of embankment deposit Materials etc.-					
Qty. vide TQA (4464) Page (5) Item (7)					
60.741.85 MB @ 53201/MB B- 263720					
8 (11) Granular Sub-base G.S.B etc.-					
Qty. vide TQA (4464) Page (5 to 6) Item (8)					
1004.67 MB @ 298925/MB B- 3003471 =					
9 (12) P.W. and Laying water based Masticum WB M-3 etc.-					
Qty. vide TQA (4464) Page (6 to 7) Item (9)					
430.33 MB @ 463925/MB B- 1996555 =					
10 (31) Excavation for foundations trenches etc.-					
Qty. vide TQA (4464) Page (7) Item (10)					
89.39 MB @ 1539862/MB B- 35633 =					
					CH: 5979004 =

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					B.I. - 5979004 =
11 (32) P.V. and Layering P.C.C M15 grade (1:2:5) for foundation					
Qty m ³ TMB (4464) Page (8) Item (11)					
13.79 M ³ @ 6428 = 66 M ³ B					88657 =
12 (35) P.V. and P.C.C plan for head wall etc. - (M20 grade)					
Qty m ³ TMB (4464) Page (8) Item (12)					
82.97 M ³ @ 7418 = 89 M ³ B					615545 =
13 (45) P.V. and fixing NP3 1000 mm pipe etc. -					
Qty m ³ TMB (4465) Page (9) Item (13)					
22.50 M ³ @ 7529 = 48 M ³ B					169413 =
					Total: 6852613 =
Add 18% GST			(+)		1233470 =
Add 1% L.C.W			(+)		68526 =
Add S. fee			(+)		150000 =
					U.T. - 8304609200
18/3/24 S.E					

Continuation

Continuation