

Certified That This M.B. Contain (100)
Pages By Printer's Machine And Issued
To Srt. Dimesh Singh A.E. R.W.D.
Work Sub-Div. Nahinagar

[Signature]
Executive Engineer
Rural Works Division, m
Works Division, Aurangabad
10/7/00

Schedule XLV - Form No. 134.

E.G. Ahmed DIVISION.

A.E. Nahinagar SUB-DIVISION.

MEASUREMENT BOOK.

2800 2820
231433

Name of owner Sri Dimesh Singh A.E.

Nahinagar

Date of first entry _____

Date of last entry _____

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 area
	No.	L.	B.	D.	
<u>1 Station A/C Bill</u>					
Name of work - Construction of Road from					
Kazakhani P.M.G.S. Road to					
Rajpur Horizon Tola, Block					
M.M. G.S.					
Agency - Sumit Kumar Singh					
Dm. Bigha, Aurangabad					
Agreement No - 17 S.B.D/2020-21					
Date of Work Start - 08/06/2020					
Date of Completion - 07/03/2021					

<u>Measurement</u>					
①/3 clearing and grubbing					
Road Land - d - B.I.					
2x 14x30m x 3.55m (w) = 29.82m ²					
1x 1x6.0m x 3.0m (w) = 18.00m ²					
3000.00m ²					
= 0.30 hectare					
②/4 providing Excavation					
for road way - d -					
(Box cutting) - d - B.I.					
2x 10x30m x 0.525 x 0.10m = 31.50m ³					
2x 1x25m x 0.525 x 0.10m = 2.625m ³					
2x 3x30m x 0.375 x 0.10m = 6.75m ³					
2x 1x10m x 0.375 x 0.10m = 0.75m ³					
41.625m ³					

Continuation

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

③/5 Construction of embankment

do Material obtained at site — do — do — RT

Qty as same as in No ②/4

Note T.M.S Reg No ①

$$= 41.625 \text{ M}^3 \times 60\% = 24.98 \text{ M}^3$$

⑤/6 Construction of embankment

do Material obtained

from Borrow pits — do — RT

Lead up to 100 & 100m

Qty as per RTW calculation sheet

S.N	ch	Fill gm mm ²	Mean Area in m ²	Length	Volume in m ³
1	0	4.516			
2	50	2.987	3.751	50	187.55 M ³
3	100	1.525	2.256	50	112.80 M ³
4	150	2.84	2.182	50	109.10 "
5	200	1.58	2.21	50	110.50 M ³
6	250	3.101	2.340	50	117.00
7	300	3.213	3.157	50	157.85 M ³
8	350	1.52	2.366	50	128.65 "
9	400	1.625	1.573	50	78.675 M ³
10	425	1.765	1.695	25	42.375 M ³
					1034.12 M ³

$$\text{Lead up to 100m} = 930.708 \text{ M}^3$$

$$\text{Lead up to 1000m} = 103.41 \text{ M}^3$$

⑥/35 Bricklaying

300mm dia. Rice pit

$$\text{Qty. } 2\pi \times 3 \times 2.5 = 15 \text{ M}$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
<u>Measurement</u>					
①/10 Constructing gopuram					
(800 base - d - 6.5.19.61)					
G.S.B	1	10	30	0.525	121
widely	2x	10x	30m	0.525m	$0.10m = 31.58m^2$
G.S.B	1x	10x	25m	0.525x0.10m	$= 2.625$
	1x	10x	20m	0.525x0.10m	$= 18.75$
	1x	1x	25m	0.525x0.10m	10.1312
					(A) 165.75m ²
② In profile Corridor -					
	1x	10.50	1.90		$= 19.95m^2$
	1x	9.25	1.75		$= 16.18$
	2x	8m	2.0m		$= 32$
	1x	11.15	1.85		$= 20.62$
	1x	8.95	1.90		$= 17.00$
	2x	6.0m	2.0m		$= 24.00$
	1x	10.15	1.65		$= 16.75$
	2x	50m	1.0m		$= 10.0$
					$156.50m^2 \times 0.10m$
					$= 15.65m^2$ (B)
Total G.S.B work done = (A) + (B)					
					$165.75m^2 + 15.65m^2 = 181.40m^2$
widely in c.c. paving	2x	3x	30m	0.375m	$0.10m = 6.75m^2$
	2x	1x	10m	0.375m	$0.1 = 0.75$
in profile Corridor	2x	8.0m	2.0m	0.10m	$= 3.200$
	1x	7.20m	1.5m	0.1	$= 1.08$
					$193.18m^2$
	1x	10m	3.0m	0.10m	$= 3.00m^2$
					$196.18m^2$
②/11 Widely laying S.S. and Compacting - do					
W.B.M. gl-3 Continuation - d - 241					

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1x10x30x3.75x0.075m					= 84.37 m ³
1x1x5.0x3.75x0.075					= 1.40 m ³
1x1x15x3.75x0.075m					= 4.21 m ³
1x1x5x3.75x0.075					= 1.40 m ³
m.c.c. part					
1x3x30x3.80x0.075					= 25.65 "
1x1x5x3.80x0.075					= 1.42
1x1x15x3.80x0.075m					= 3.37
					121.82 m ³

Construction of 600mm dia. H.P. part

③/3, H.W. in ex. column 1m

for column - at - 21.5

H.W. - 2x 3.90x1.15x1.60 = 14.35 m³

Bottom
R/c - 1x 5.35x1.13x0.365 = 2.207 "

16.55 m³

Bottom - 15.66 m³

④/32 Finely Puccin (1:2.5:5)

in foundation - at - 21.5

H.W. - 2x 3.90x1.15x0.15 = 1.35 m³

Bottom R/c - 1x 5.35x1.13x0.2 = 1.50 m³

2.85 m³

⑤/33 Finely Plain concrete

Circle in M-20 grade m

Sub-structure - at - 21.5

H.W. 2x 3.60x0.70x2.78 = 14.01 m³

Foot 2x 3.60x0.40x0.60 = 1.728 "

15.74 m³

less for

2x 0.7857x0.83²x0.59 = 0.57 m³

15.17 m³

⑥/34 Finely zelaying Rice

Rice M/s of 600mm dia 7.50 m

1x3x2.58m

Continuation

Particulars	Details of actual measurement				Contents area
	No.	100	mm	HQ	
(7)/36 E/W in ex culm					
in fender - d CI					
H.W. - 2x	6.45m	x	1.40	x	1.60 = 28.90 m ³
1x	4.85	x	1.53	x	0.65 = 2.70 m ³
					<u>31.60 m³</u>
but cut 29.80 m ³					
(8)/37 Bridge M/S (1:2:5.5)					
leading in fender - d CI					
H.W. - 2x	6.45	x	1.40	x	0.15 = 2.70 m ³
1x	4.93	x	1.53	x	0.25 = 1.88 m ³
					<u>4.60 m³</u>
(9)/38 Landing Pile					
Cement - Cement concrete					
M20 grad in Sub Station					
- d - d CI					
H.W. - 2x	6.15	x	0.83	x	3.18 = 32.46 m ³
for 2x	6.15	x	0.42	x	0.60 = 3.07 m ³
					<u>35.53 m³</u>
less for					
Pile - 2x	0.785	x	(1.23) ²	x	0.622 = 1.50 m ³
					<u>34.03 m³</u>
(10)/39 Bridge and					
Laying R.C.C. Pile					
M20 of 100 mm dia in					
Culm - d - d CI					
1x	3x	2.5m	=	7.50 m	
(11)/15 Construction of					
in reinforced - d					
plain cement concrete					
for - d CI					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1x	3x	30m	3.75m	0.16m	= 54.00m ³
1x	1x	5m	3.75m	0.16m	= 3.00m ³
1x	10m	3.0m	0.15m		= 4.50m ³
					<u>61.50m³</u>

(12) 18 Providing and fixing
of typical M.M. GSY
Sign board - do EI
1x 2 = 2 Nos

(13) 7.8 Constructing center shoulder EI

2x	10x	30m	1.40x	0.20	= 168.00m ³
2x	1x	25m	1.40x	0.20	= 14.00
2x	10x	30m	1.20x	0.075	= 54.00
2x	1x	25x	1.20x	0.075	= 4.50
2x	3x	30x	0.40x	0.10	= 78.00
2x	3x	30x	0.60x	0.16	= 72.80m ³
					<u>265.58m³</u>

22/02/21

22/02/21

J.R

1st on AIC Bill

Abstract of Cost

①/3 Clearing and Grubbing

Road Land - do EI

Qty vide T.M.B Rs No ①

= 0.30 hectare

@ 51133 = 76/Acre - R-1534020

②/4 Providing Box

Culvert for roadway

- do - do EI

Qty vide T.M.B Rs No ①

= 41.63m³

@ 74 = 16/m³ - R- 3087 =

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

③/5 Construction of

embankment

-d- Material deposited

at side -d- E.I.

Qty vide T.M.B. No. ②

= 24.98 m³

@ 26 = 11/m³ - R 652 = L

④/6 Construction

of embankment

-d- borrow pit - E.I.

Qty vide T.M.B. No. ②

Lead up to 1000 m = 930.78 m³

@ 131 = 03/m³ - R 121951 = 00

⑤/7 Construction

of embankment

-d- borrow pit - E.I.

Lead up to 1000 m = 103.4 m³

@ 174 = 94/m³ - R 18091 = 00

⑥/8 Construction of

earthen shoulder

-d- -d- E.I.

Qty vide T.M.B. No. ⑥

= 265.58 m³

Sub total = 63.17 m³

Lead up to 1000 m

= 78.95 m³

@ 176 = 58/m³ - R 13941 = 00

⑦/9 -d- Earthen shoulder

Lead up to 1000 m 184.22 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(12/32) Driveway M.I.S. P.C.E.					
(1:2.5:5) gravel					
Concrete - d. 150					
Qty. in d. T.M.B. P.M. (4)					
= 2.85 M ³					
@ 4617 = 28/m ³ - R. 13159 = 0					
(13/33) Driveway P.C.E.					
M20 Plain Concrete					
Concrete - in slab -					
Structure - d. 150					
Qty. in d. T.M.B. P.M. (4)					
= 15.17 M ³					
@ 5407 = 47/m ³ - R. 82031					
(14/34) Driveway Laying					
Rice NP3 P.C.E. of					
600 mm x 150 mm - d.					
Qty. in d. T.M.B. P.M. (4)					
= 7.50 M					
@ 977 = 46/m ³ - R. 7331 = 0					
(15/35) 240 mm x 120 mm					
for foundation - d. 150					
Qty. in d. T.M.B. P.M. (5)					
= 29.80 M ³					
@ 269 = 32/m ³ - R. 8026 = 0					
(16/36) Driveway M.I.S.					
(P.C.E.) 1:2.5:5 @					
Gravel Concrete - d. 150					
Qty. in d. T.M.B. P.M. (5) 4.60 M ³					
@ 4617 = 28/m ³ - R. 21240 = 0					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L	B	
		B. F.	R.	1870378

22/02/21
 I.E

22/02/21
 A.E

CSP

9/3/21
 1870378