

MIRAGSY NEWS SC

121.13.110-3310

070 0-90-85 24 1117 1118211 1118 1119 1

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Measurement Book

Schedule XLV-Form No. 134

070 0-90-85 24 1117 1118211 1118 1119 1

DIVISION

070 0-90-85 24 1117 1118211 1118 1119 1

SUB-DIVISION

070 0-90-85 24 1117 1118211 1118 1119 1

11.13.110-3310

1

(These four lines should be repeated at the commencement of the measurement relating to each work)

1.	Setting out pillars				
	Providing & fixing of				
	working bench mark				
-	-	do	-	-	0.770km

leind	-	-	do	-	-
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2x	25x	30x	1.0	= 1500m ²
2x	1x	20x	1.0	= 40m ²

Total	1540m ²
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$$1540 \text{ m}^2 = 0.15 \text{ Hect}$$

10000

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
as per technical specification					
(A) Be side of BES for provision of flexible road					
2.5	2	9	30	0.525	0.10 = 28.35m ³
(B) Be side of PCC for provision of rigid road					
2.5	2	16	25	0.375	0.10 = 30.0m ³
Total					58.35m ³
(4) construction of embankment with approved material					
do					
APSR	2	30	0.9	0.8	43.2m ³
Limit to					41.13m ³
(5) const. of embankment with material obtained from borrow pits - do -					
For 1000 m lead					
2.5	2	8	25	1.10	0.80 = 35.2m ³
Limit to					345.52m ³
(6) const. of subgrade & earthen shoulder					
do					
as per technical specification					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(A) 9m flexible road					
side of GSB					
$2 \times 9 \times 30 \times 0.975 \times 0.10 =$					52.65
side of WBM					
$2 \times 9 \times 30 \times 1.125 \times 0.075 =$					60.75
(B) 9m rigid road					
side of WBM					
$2 \times 3 \times 30 \times 0.625 \times 0.075 =$					8.437
side of PCC					
$2 \times 3 \times 30 \times 0.625 \times 0.160 =$					18.0
Total					124.647 m ³
(C) construction of granular subbase by providing coarse graded material					
For flexible road					
GSB in full width					
$1 \times 9 \times 30 \times 4.050 \times 0.10 =$					109.35 m ³
GSB in widening					
$2 \times 9 \times 30 \times 0.525 \times 0.10 =$					28.35 m ³
For profile correction					
$3 \times 10 \times 2.5 \times 0.1 =$					7.5 m ³
For rigid road					
$2 \times 16 \times 25 \times 0.375 \times 0.10 =$					30.0 m ³
Total					175.20 m ³

Continuation

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) WBM gr-I-II					
Providing laying spreading and compacting stone aggregates - do - as per technical specification					
Flexible road	1	9	30	3.75	0.075 = 75.937
Rigid road					
R.P.C.	4	30	3.75	0.075	= 33.75
	2	21	3.75	0.075	= 11.812
	30	$\frac{3.75 + 3.65}{2}$		0.075	= 8.325
	30	$\frac{3.10 + 3.75}{2}$		0.075	= 7.706
	2	20	2.90	0.075	= 8.70
C.C.	1	30	3.30	0.075	= 7.425
	2	30	3.2	0.075	= 14.40
	1	20	2.6	0.075	= 3.90
	2	30	3.50	0.075	= 15.75
Total					111.768m ³ 187.705m
(9) cement concrete pavement					
const. of unreinforced plain cement concrete - do - as per technical specification					
R.P.C.	4	30	3.75	0.16	= 72
	2	21	3.75	0.16	= 25.2
	30	$\frac{3.75 + 3.65}{2}$		0.16	= 17.76
	30	$\frac{3.10 + 3.75}{2}$		0.16	= 16.44

Continuation

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2x20x	2.90	0.16			18.56
1x30x	3.30	0.16			15.84
2x30x	3.20	0.16			30.72
1x20x	2.6	0.16			8.32
2x30x	3.50	0.16			33.60
Total					238.44m ³

U Singh
20/01/2021
JE

RPSM
20-1-2021
AE
Ekm.

material statement

① E/W = 511.297m³

② stone aggregates = 384.219m³

③ coarse sand = 174.457m³

④ Stone screening = 45.049m³

⑤ stone chips = 214.596m³

⑥ cement = 83.454 tone

U Singh
20/01/2021
JE

RPSM
20-1-2021
AE
Ekm.

Continuation

Abstract of cost

6

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① setting out pillars					
Providing & fixing of					
working bench mark					
do					
Qnt = 0.770 Km p ①					
item - ① @ Rs 5967.90					
				Rs	4595=
② clearing & grubbing					
road land - do					
Qnt = 0.15 Hect Page ①					
item - ② @ Rs 51133.76					
				Rs	78752
③ Box cutting					
Excavation for roadway					
in soil - do					
Qnt = 58.35 m ³ Page ②					
item - ③ @ Rs 126.24/m ³					
				Rs	7366=
④ const. of embankment					
with approved material					
do					
Qnt = 411.13 m ³ Page ②					
item - ④ @ Rs 88.36/m ³					
				Rs	3634=
⑤ const. of embankment					
with material obtained					
from borrow pits					

Continuation
C/o Totals 23470=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
- - do - -					
For 1000 m length					
amt = 345.52 m					Page - (2)
item - (5) @ Rs 184.30					
				2 Rs	63679:-

(6) const. of subgrade
of earthen shoulder

- - do - -					
amt = 124.647 m ³					
Page - (3) item - (6)					
@ Rs 210.88/m ³				Rs	26286:-

(7) construction of

granular subbase
by providing coarse
graded material

- - do - -					
amt = 175.20 m ³					Page - (3)
item - (7) @ Rs 3296.27					
				Rs	577506:-

(8) WBM gr-II

Providing laying
spreading and compacting
stone aggregates

- - do - -					
amt = 187.705 m ³					
Page - (4) item - (8)					
@ Rs 4015.79/m ³				Rs	753784:-

Continuation Rs 1444725:-

Continuation