

ମୋହ୍ୟ ଶ୍ରୀ କୃତ୍ତିବିଜ୍ଞାନ ପତ୍ର (New MR-3054)

Schedule XLV-Form No. 134

ମୋହ୍ୟ କାର୍ଯ୍ୟ ଅଧିକାରୀ ପତ୍ର ପରିଷଳ୍ୟ ଭାଗ
SUB-DIVISION

ମୋହ୍ୟ କାର୍ଯ୍ୟ କାର୍ଯ୍ୟ ଅଧିକାରୀ ପତ୍ର ପରିଷଳ୍ୟ ଭାଗ
SUB-DIVISION

MEASUREMENT BOOK

No 2356

ମୋହ୍ୟ : - ରଜନୀତ ଦୁଲାର

Sch. XLV - Form No. 134

ଭ୍ରାମିକ କର୍ତ୍ତାଙ୍କ କାର୍ଡ ପୁସ୍ତକ DIVISION

କାର୍ଡ ଅନ୍ତର୍ଗତ ପ୍ରମାଣଜୀବନ SUB-DIVISION

Measurement Book

No. 2356

Name of Officer

ଶ୍ରୀ ରାମଚନ୍ଦ୍ର ପଟ୍ଟାଳ

Date of first entry

Date of last entry

INDEX**PAGE**

प्रमाणिक किया जाता है विश्लेषण-पुस्तक में
शुद्धीत कुल रक्त (100) से पर्यांगनित हो
जौधी रामकुणाट स्थानी स १५७ अंग्रेजी
के नाम का अवर प्रोड्यूसर नाम पुरे लिए
निर्णीत किया जाता है।

कार्यपालक अभियन्ता
प्रामीण कार्य विभाग
सूर्य प्रमण्डल, पुणे
70-12-20

1st & Final Bill

1

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W: - Maintenance & Repair of Road & CD works					
MR - N/ 2019-20 Pupri / 10					
from Janipur Belmohan					
Path in Nanpur block					
under New MR - 3054					
N/Agency: - Rajneesh Kumar , rahilo , Jaitpur , Sareya , muzaffarpur					

Agreement no:- 49MBD/2020-21

Date of Commencement:- 10-12-20

Date of Completion:- 9-12-21

Actual Date of Completion:-

Work Done

(i) clearing & grubbing reed bed etc

$$2 \times 106 \times 30m \times 1m = 6360 m^2$$

$$2 \times 25m \times 1m = 50 m^2$$

$$QTY = 6410 m^2$$

$$6410 / 10000 = 0.641 Ha$$

Qty Limit as per

agreement - 0.64 Ha

Actual
Date
3-02-21
3-02-21

RD
9-12-21
Continuation AB

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2/2) Constrn. of Subgrade 2 earthen shoulders with approved material etc.					
	$2 \times 16 \times 30m \times 0.7m \times 0.3m = 126 m^3$				
	$2 \times 5 \times 30m \times 0.7m \times 0.3m = 63 m^3$				
	$2 \times 3 \times 30m \times 0.55 \times 0.3m = 23.7 m^3$				
	$2 \times 2 \times 30m \times 0.6m \times 0.3m = 21.6 m^3$				
	$2 \times 5 \times 30m \times 0.55 \times 0.3m = 45.5 m^3$				
	$2 \times 5 \times 30m \times 0.68 \times 0.3m = 61.2 m^3$				
	$2 \times 2 \times 30m \times 0.55 \times 0.3 = 19.8 m^3$				
	$2 \times 3 \times 30m \times 0.65 \times 0.3 = 35.1 m^3$				
	$2 \times 5 \times 30m \times 0.6 \times 0.3 = 54 m^3$				
	$2 \times 7 \times 30m \times 0.68 \times 0.3 = 85.68 m^3$				
	$2 \times 6 \times 30m \times 0.68 \times 0.3 = 73.44 m^3$				
	$2 \times 2 \times 30m \times 0.55 \times 0.3 = 19.8 m^3$				
	$2 \times 5 \times 30m \times 0.55 \times 0.3 = 45.5 m^3$				
	$2 \times 6 \times 30m \times 0.65 \times 0.3 = 70.2 m^3$				
	$2 \times 2 \times 30m \times 0.55 \times 0.3 = 19.8 m^3$				
	$2 \times 2 \times 30m \times 0.65 \times 0.3 = 23.4 m^3$				
	$2 \times 2 \times 30m \times 0.45 \times 0.3 = 16.2 m^3$				
	$2 \times 30m \times 0.65m \times 0.3 = 11.7 m^3$				
	$2 \times 2 \times 30m \times 0.55 \times 0.3 = 18 m^3$				
	$2 \times 2 \times 30m \times 0.55 \times 0.3 = 19.8 m^3$				
	$2 \times 30m \times 0.65m \times 0.3m = 11.7 m^3$				
	$2 \times 2 \times 30m \times 0.55 \times 0.3 = 19.8 m^3$				
	$2 \times 5 \times 30m \times 0.65 \times 0.3 = 58.5 m^3$				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$2 \times 5 \times 30 \text{ m} \times 0.68 \times 0.3 = 61.2 \text{ m}^3$
					$2 \times 3 \times 30 \text{ m} \times 0.68 \times 0.3 = 36.72 \text{ m}^3$
					$2 \times 2 \times 30 \text{ m} \times 0.65 \times 0.3 = 23.4 \text{ m}^3$
					$2 \times 5 \times 30 \text{ m} \times 0.65 \times 0.3 = 61.2 \text{ m}^3$
					$2 \times 30 \text{ m} \times 0.65 \times 0.3 = 11.7 \text{ m}^3$
					$2 \times 5 \times 0.65 \times 0.3 = 1.95 \text{ m}^3$
					$2 \times 5 \times 30 \text{ m} \times 0.68 \times 0.3 = 61.2 \text{ m}^3$
					$\text{Q}_4 = 1214.79 \text{ m}^3$

(3/3) Constrn. of truncated Sub base by providing well graded material etc

					$16.13 \text{ m} \times 1.76 \text{ m} \times 0.175 = 4.95 \text{ m}^3$
					$18 \text{ m} \times 2.25 \text{ m} \times 0.175 = 7.07 \text{ m}^3$
					$22.55 \text{ m} \times 1.76 \text{ m} \times 0.175 = 6.92 \text{ m}^3$
					$5.24 \text{ m} \times 2.57 \text{ m} \times 0.175 = 2.35 \text{ m}^3$
					$5.24 \text{ m} \times 2.25 \text{ m} \times 0.175 = 2.05 \text{ m}^3$
					$2.74 \text{ m} \times 1.76 \text{ m} \times 0.175 = 0.84 \text{ m}^3$
					$18 \text{ m} \times 2.25 \text{ m} \times 0.175 = 7.07 \text{ m}^3$
					$4.7 \text{ m} \times 2.37 \text{ m} \times 0.175 = 1.95 \text{ m}^3$
					$3.05 \text{ m} \times 1.43 \text{ m} \times 0.175 = 0.76 \text{ m}^3$
					$5.49 \text{ m} \times 1.66 \text{ m} \times 0.175 = 1.59 \text{ m}^3$
					$4.24 \text{ m} \times 1.59 \text{ m} \times 0.175 = 1.17 \text{ m}^3$
					$2.99 \text{ m} \times 1.76 \text{ m} \times 0.175 = 0.918 \text{ m}^3$
					$4.36 \text{ m} \times 2.19 \text{ m} \times 0.175 = 1.66 \text{ m}^3$
					$3.05 \text{ m} \times 2.11 \text{ m} \times 0.175 = 1.12 \text{ m}^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		1.63m	1.76m	0.175	$0.50m^3$
		5.55m	2.57m	0.175	$2.49m^3$
		1.5m	1.11m	0.175	$0.23m^3$
		26.84m	2.57m	0.175	$12.04m^3$
		4.3m	2.57m	0.175	$1.93m^3$
		3.62m	1.43m	0.175	$0.9m^3$
		3.05m	2.25m	0.175	$1.13m^3$
		15.06m	2.18m	0.175	$5.73m^3$
		4.61m	2.25m	0.175	$1.81m^3$
		3.05m	1.53m	0.175	$0.85m^3$
		5.86m	2.37m	0.175	$2.43m^3$
		8.5m	1.76m	0.175	$2.61m^3$
		..			—
		18.02.21	18.02.21	18.02.21	$QTY = 73.24m^3$
		18.02.21	18.02.21	18.02.21	
(4) P/v, laying, spreading					
2 Compacting of 40BM-II					
		16.13m	1.76m	0.075	$2.13m^3$
		18m	2.25m	0.075	$3.03m^3$
		22.55m	1.76m	0.075	$2.98m^3$
		5.24m	2.57m	0.075	$1.01m^3$
		5.24m	2.25m	0.075	$0.88m^3$
		2.74m	1.76m	0.075	$0.36m^3$
		18m	2.25m	0.075	$3.03m^3$
		4.7m	2.37m	0.075	$0.84m^3$
		3.05m	1.43m	0.075	$0.33m^3$
		5.49m	1.66m	0.075	$0.68m^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$4.24m \times 1.59m \times 0.075 = 0.5m^3$
					$2.93m \times 1.75m \times 0.075 = 0.39m^3$
					$4.36m \times 2.19m \times 0.075 = 0.72m^3$
					$3.05m \times 2.11m \times 0.075 = 0.48m^3$
					$1.63m \times 1.76m \times 0.075 = 0.22m^3$
					$5.55m \times 2.57m \times 0.075 = 1.06m^3$
					$1.5m \times 1.1m \times 0.075 = 0.12m^3$
					$26.84m \times 2.57m \times 0.075 = 5.17m^3$
					$4.3m \times 2.57m \times 0.075 = 0.83m^3$
					$3.62m \times 1.43m \times 0.075 = 0.38m^3$
					$3.05m \times 2.28m \times 0.075 = 0.51m^3$
					$18.06m \times 2.10m \times 0.075 = 2.46m^3$
					$4.61m \times 2.25m \times 0.075 = 0.77m^3$
					$3.65m \times 1.59m \times 0.075 = 0.36m^3$
					$5.06m \times 2.37m \times 0.075 = 1.04m^3$
					$8.5m \times 1.76m \times 0.075 = 1.12m^3$
					$27.28m \times 1.9m \times 0.075 = 3.88m^3$
					$9.07m \times 2.86m \times 0.075 = 1.94m^3$
					$9.07m \times 2.48m \times 0.075 = 1.68m^3$
					$6.44m \times 1.9m \times 0.075 = 0.91m^3$
					$22.5m \times 2.48m \times 0.075 = 4.18m^3$
					$8.5m \times 2.63m \times 0.075 = 1.67m^3$
					$6.76m \times 1.51m \times 0.075 = 0.76m^3$
					$9.33m \times 1.78m \times 0.075 = 1.28m^3$
					$8.02m \times 1.7m \times 0.075 = 1.02m^3$
					$6.7m \times 1.9m \times 0.075 = 0.95m^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$8.14m \times 2.41m \times 0.075 = 1.47 m^3$			
		$6.76m \times 2.32m \times 0.075 = 1.17 m^3$			
		$4.22m \times 1.9m \times 0.075 = 0.6 m^3$			
		$9.39m \times 2.86m \times 0.075 = 2.01 m^3$			
		$5.13m \times 1.13m \times 0.075 = 0.43 m^3$			
		$31.0m \times 2.86m \times 0.075 = 6.82 m^3$			
		$8.08m \times 2.86m \times 0.075 = 1.73 m^3$			
		$7.36m \times 1.51m \times 0.075 = 0.83 m^3$			
		$6.76m \times 2.48m \times 0.075 = 1.25 m^3$			
		$19.41m \times 2.4m \times 0.075 = 3.49 m^3$			
		$8.41m \times 2.48m \times 0.075 = 1.56 m^3$			
		$6.76m \times 1.7m \times 0.075 = 0.86 m^3$			
		$6m \times 1.55m \times 0.075 = 0.7 m^3$			
					$Q44 + 72.56 m^3$
		26.00	26.36	$(R) 20$	26.24
(S/S) P/N, laying, spreading					
2 Compacting of CBM - III					
etc.					
		$16.13m \times 1.76m \times 0.075m = 2.13 m^3$			
		$18m \times 2.28m \times 0.075m = 3.03 m^3$			
		$22.59m \times 1.76m \times 0.075 = 2.98 m^3$			
		$5.24m \times 2.57m \times 0.075 = 1.01 m^3$			
		$5.24m \times 2.25m \times 0.075 = 0.88 m^3$			
		$2.74m \times 1.76m \times 0.075 = 0.36 m^3$			
		$18m \times 2.28m \times 0.075m = 3.63 m^3$			
		$4.7m \times 2.37m \times 0.075m = 0.84 m^3$			
		$3.05m \times 1.43m \times 0.075m = 0.193 m^3$			

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$5.43m \times 1.66m \times 0.075m = 0.60m^3$
					$4.24m \times 1.53m \times 0.075m = 0.59m^3$
					$2.93m \times 1.76m \times 0.075m = 0.33m^3$
					$4.36m \times 2.13m \times 0.075m = 0.72m^3$
					$3.05m \times 2.11m \times 0.075m = 0.48m^3$
					$1.63m \times 1.76m \times 0.075m = 0.22m^3$
					$5.55m \times 2.57m \times 0.075m = 1.06m^3$
					$1.5m \times 1.11m \times 0.075m = 0.12m^3$
					$2.684m \times 2.53m \times 0.075m = 5.17m^3$
					$4.3m \times 2.057m \times 0.075m = 0.83m^3$
					$3.62m \times 1.43m \times 0.075m = 0.38m^3$
					$3.05m \times 2.25m \times 0.075m = 0.38m^3$
					$15.06m \times 2.18m \times 0.075m = 2.46m^3$
					$4.61m \times 2.25m \times 0.075m = 0.77m^3$
					$3.05m \times 1.53m \times 0.075m = 0.72m^3$
					$5.86m \times 2.37m \times 0.075m = 1.04m^3$
					$8.5m \times 1.76m \times 0.075m = 1.12m^3$
					$27.29m \times 1.9m \times 0.075m = 3.88m^3$
					$9.07m \times 2.06m \times 0.075m = 1.95m^3$
					$9.07m \times 2.48m \times 0.075m = 1.69m^3$
					$6.44m \times 1.8m \times 0.075m = 0.92m^3$
					$22.5m \times 2.48m \times 0.075m = 4.18m^3$
					$8.5m \times 2.43m \times 0.075m = 1.67m^3$
					$6.76m \times 1.51m \times 0.075m = 0.76m^3$
					$9.33m \times 1.78m \times 0.075m = 1.24m^3$
					$12.02m \times 1.7m \times 0.075m = 1.62m^3$
					$6.7m \times 1.5m \times 0.075m = 0.95m^3$
					$8.14m \times 2.41m \times 0.075m = 1.47m^3$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$6.76m \times 2.32m \times 0.075m = 1.17 m^3$
					$4.22m \times 1.3m \times 0.075m = 0.60 m^3$
					$9.39m \times 2.06m \times 0.075 = 2.01 m^3$
					$5.13m \times 1.13m \times 0.075m = 0.45 m^3$
					$31.08m \times 2.06m \times 0.075 = 6.82 m^3$
					$8.08m \times 2.06m \times 0.075 = 1.73 m^3$
					$7.36m \times 1.51m \times 0.075 = 0.83 m^3$
					$6.76m \times 2.48m \times 0.075 = 1.25 m^3$
					$19.41m \times 2.4m \times 0.075 = 3.49 m^3$
					$8.41m \times 2.48m \times 0.075 = 1.56 m^3$
					$6.76m \times 1.7m \times 0.075 = 0.86 m^3$
					$6m \times 1.58m \times 0.075 = 0.7 m^3$
					$12.5m \times 2.9m \times 0.075 = 2.72 m^3$
					$12.5m \times 2.52m \times 0.075 = 2.36 m^3$
					$9.9m \times 1.95m \times 0.075 = 1.44 m^3$
					$18m \times 2.52m \times 0.075 = 3.4 m^3$
					$11.46m \times 2.48m \times 0.075 = 2.13 m^3$
					$10.22m \times 1.56m \times 0.075 = 1.19 m^3$
					$12.76m \times 1.84m \times 0.075 = 1.76 m^3$
					$11.46m \times 1.76m \times 0.075 = 1.51 m^3$
					$10.17m \times 1.95m \times 0.075 = 1.48 m^3$
					$11.58m \times 2.9m \times 0.075 = 2.51 m^3$
					$10.22m \times 2.9m \times 0.075 = 2.22 m^3$
					$7.7m \times 1.95m \times 0.075 = 1.12 m^3$
					$12.02m \times 2.9m \times 0.075 = 2.78 m^3$
					$8.6m \times 1.19m \times 0.075 = 0.76 m^3$
					$14m \times 2.9m \times 0.075 = 3.04 m^3$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$11.52 \text{ m} \times 2.3 \text{ m} \times 0.075 = 2.5 \text{ m}^3$
					$11.6 \text{ m} \times 2.28 \text{ m} \times 0.075 = 1.98 \text{ m}^3$
					$\text{Qtr} = 107.46 \text{ m}^2$
					107.46 5.0321 5.18 5.321 AB
(6/6) Prime Coat:- P/v 2					
applying Primer Coat					
with Bitumen emulsion					
(SS-1) on prepared Surface					
of granular base etc					
Same Area over					
Item no - S/S					
$107.46 / 0.075 = 1432.8$					
					$\text{Qtr} = 1432.8 \text{ m}^2$
(7/7) Tack Coat:- P/v 2					
applying tack coat					
with bitumen emulsion					
(RS-1) etc.					
Same Area as					
Item no. (6/6) = 1432.8 m^2					
in Pcs.					
$4 \text{ m} \times 1 \text{ m} = 4 \text{ m}^2$					
$10 \text{ m} \times 2 \text{ m} = 20 \text{ m}^2$					
$20 \times 1.5 \text{ m} \times 1.5 \text{ m} = 45 \text{ m}^2$					
$30 \times 1 \text{ m} \times 1 \text{ m} = 30 \text{ m}^2$					
$11.35 \text{ m} \times 2 \text{ m} = 22.7 \text{ m}^2$					
					$\text{Qtr} = 1554.8 \text{ m}^2$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8/8) P/v, laying & rolling of close graded Premix surfacing material of 20mm thickness etc.					
Same Area over					
Item no - (7/7)					
Area Front 30m x 21m Side 30m x 3.75m	12x10 30.4.22 A2				Qty = 1554.5 m ²
(9/9) P/v & applying tack coat with bitumen emulsion (RS-1) etc.					
4 x 30m x 3.75m	= 450 m ²				
2 x 30m x 3.7m	= 222 m ²				
5 x 30m x 3.75m	= 562.5 m ²				
4 x 30m x 3.75m	= 450 m ²				
5 x 30m x 3.75m	= 562.5 m ²				
10 x 30m x 3.75m	= 1125 m ²				
10 x 30m x 3.75m	= 1125 m ²				
10 x 30m x 3.75m	= 1125 m ²				
30 x 30m x 3.75m	= 3375 m ²				
20 x 30m x 3.75m	= 2250 m ²				
6 x 30m x 3.75m	= 675 m ²				
20m x (3.75 + 7.4)	= 111.5 m ²				
		2			
					Qty = 12033.5 m ²
Qty Limit as per agreement					
agreement	= 12000 m ²				
					Qty = 12000 m ²

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10/10) SDBC:- 9/v 2 layering Semi dense bituminous Concrete etc.					
$4 \times 30m \times 3.75 \times 0.025m = 11.25m^3$					
$2 \times 30m \times 3.75 \times 0.025 = 5.55m^3$					
$5 \times 30m \times 3.75 \times 0.025 = 14.06m^3$					
$4 \times 30m \times 3.75 \times 0.025 = 11.25m^3$					
$5 \times 30m \times 3.75 \times 0.025 = 14.06m^3$					
$10 \times 30 \times 3.75 \times 0.025 = 28.13m^3$					
$10 \times 30m \times 3.75 \times 0.025 = 28.13m^3$					
$30 \times 30m \times 3.75 \times 0.025 = 84.37m^3$					
$20 \times 30m \times 3.75 \times 0.025 = 56.25m^3$					
$6 \times 30m \times 3.75 \times 0.025 = 16.87m^3$					
$20m \times \frac{[3.75+7.4]}{2} \times 0.025 = 2.78m^3$					
$QTY = 300.83m^3$					
QTY Limit as per agreement = $300m^3$					
20m x 12.5 x 3.75 12.5 x 3.75 x 30 (RKD) 12.5 x 3.75 x 30 AB					
(11/11/12) Km Stone:- Reinforced Cement Concrete M-15 grade Km Local Stone					
(i) Km Stone:-					
$QTY = 4 NO.$					
(ii) 200m Stone:-					
$QTY = 13 NO.$					
(12/13) Direction 2 Place					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Indefinite location Sign					
Retro-reflectorized traffic Sign P/N 2 erecting direction etc.					
$2 \times 1.2 \times 0.8 = 1.92$					
$Q_{H1} = 1.92 \text{ m}^2$					

(13) (i) 2 fixing of retro-reflectorized cautionary mandatory signs

2 triangular 600mm equilateral 2 triangle

$Q_{H1} = 10 \text{ MD}.$		
(ii) 600mm x 450mm rectangular	$Q_{H1} = 4 \text{ MD}.$	
(iii) 600mm x 450mm rectangular	$Q_{H1} = 6 \text{ MD}.$	
(iv/v) Boundary pillar:		

Reinforced cement concrete
m-15 grade boundary
pillar etc.
 $Q_{H1} = 60 \text{ MD}.$

(15/18) Plotting of tree

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					by the road side etc.
					$QTY = 14 \frac{6}{10} NO.$
(16/19) P/v 2 laying of hot applied thermoplastic Compound 2.5 mm thick					
					etc.
					$2 \times 3200 \times 0.1 = 640 m^2$
					length width height area $QTY = 640 m^2$
					(RK) 2
(17/20) P/v 2 Fixing of typical masonry infomary					13.5.21 AB
					Sign board with logo etc.
					$QTY = 2 NO.$
					Constr. of parapet wall
					sq ft No. CH - 960m
(18/21) Brick masonry work in cement mortar 1:3 in Parapet etc.					
					$3.35m \times 0.4m \times 0.6m = 0.8 m^3$
					$3.35m \times 0.4m \times 0.6m = 0.8 m^3$
					$QTY = 1.6 m^3$
					\downarrow A_1

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(21/21) Brick masonry work in cement mortar etc.					
$2 \times 4m \times 0.4m \times 0.6 = 1.92 m^3$					
					Ar
(22/22) Plastering with cement mortar on brick work					
Side face - $4 \times 4m \times 0.6m = 9.6 m^2$					
Top - $2 \times 4m \times 0.4m = 3.2 m^2$					
Front face - $4 \times 0.4m \times 0.6m = 0.96 m^2$					
					$Q_{Pl} = 13.76 m^2$
					Q2
(23/23) Painting two coat including primer coat etc.					
Same Area over					
Item no - 22/22					
					$Q_{Pl} = 13.76 m^2$
					C2
2nd flr. Parapet wall C1 - 17.00m					
(24/21) Brick masonry work in cement mortar					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2 x 4.1m x 6.0m				$6.0 \times 4.1 = 24.6 \text{ m}^2$
					As
(25/22) Plastering with cement mortar (1:4) on brick work etc					
Side face 4 x 4.1m x 0.6m					9.04 m^2
To P 2 x 4.1m x 0.4m					3.20 m^2
Front face 4 x 0.4m x 0.6m					0.96 m^2
					$Q_{M1} = 14.00 \text{ m}^2$
					BS
(26/22) Plastering two bays including Polymer mortar etc					
Same Area bays					
Item no - 26/22					
					$Q_{M1} = 14.00 \text{ m}^2$
					J
					C2
					<i>Front of brick</i>
					<i>Brick</i>
4th No. Parapet wall					
C1 - 1000m					

(27/21) Brick masonry work in cement mortar					
2 x 4m x 0.4 x 0.6					1.92 m^3
A4					
(28/22) Plastering with cement mortar on brick work					

The following table is a rough estimate of the

Thickness of the film	Area of the film	Volume of the film
1 mm	1 m ²	1 m ³
0.1 mm	100 m ²	100 m ³
0.01 mm	10000 m ²	10000 m ³
0.001 mm	1000000 m ²	1000000 m ³

Fig.

(a) Graph showing time taken todeposit a given amount ofsilver.Deposition time - thickness of the filmSame Area covered100 m² - 20 min.1000000 m² - 10000 min.10000000 m² - 100000 min.100000000 m² - 1000000 min.CH - 22.60 mST - 100000000 m² - 1000000 min.(b) Graph showing time taken todeposit a given amount ofsilver.Deposition time - thickness of the filmDeposition time - area covered(31/22) Plasticized filmCentrifugation timeDeposition timeTime - 22.60 m = 3.2 m²Time - 22.60 m = 3.2 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
front face	4 x 0.4 m x 0.6 m				0.96 m^2
					$\text{Q}_M = 13.76 \text{ m}^2$
					BS
(32/23) Painting two coats including pointing Coats etc.					
Same Area over					
Item no - 31/22					
					$\text{Q}_M = 13.76 \text{ m}^2$
Cost	55				CS
Ct No. Parapet wall					
Cost	29.60				
(33/21) Brick Masonary work in cement mortar					
2 x 4 x 0.4 m x 0.6 m					1.92 m^3
					AB
(34/22) Plastering with cement mortar etc.					
Side face - 4 x 4 x 0.6 m					0.96 m^2
Top - 2 x 4 x 0.4 m					3.2 m^2
front face 4 x 0.4 x 0.6 m					0.96 m^2
					$\text{Q}_M = 13.76 \text{ m}^2$
					BS
(35/23) Painting two coats including pointing Coats etc.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Same Area over					
Item no - 34/22					
$Q_{M1} = 13.76m^2$					
C6					
Front or back	21				
74 NO. Parapet wall					
C14 - 29.6m					
(34/21) Brick Masonry wrote in cement mortar etc					
$2 \times 4 \times 0.4 \times 0.6 = 1.92m^3$					
A7					
(37/22) Plastering width cement mortar on brick work etc.					
Side face $4 \times 4 \times 0.6m = 9.6m^2$					
Top - $2 \times 4 \times 0.4m = 3.2m^2$					
Front face $4 \times 0.4 \times 0.6 = 0.96m^2$					
$Q_{M1} = 13.76m^2$					
87					
(38/23) Painting two coats including Primer coat					
Same Area over					
Item no - 37/22					
$Q_{M1} = 13.76m^2$					
C7					

Front or back
continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
Qth No. Parapet wall				
QH - 3060m				
(30/21) Brick masonry work in cement mortar etc.				
	2 x 9m x 0.4m x 0.7m = 1.02 m ³			AQ
(40/22) Plastering width cement mortar etc.				
side face - 4 x 4m x 0.7m = 9.6 m ²				
Top - 2 x 4m x 0.4m = 3.2 m ²				
Front face 4 x 0.4m x 0.6m = 0.96 m ²				
Qth = 13.76 m ²				BB
(41/23) Painting fence board moulding Primer & top etc.				
Same Area over Item no. 40/22				
Qth = 13.76 m ²				CQ
For door top on R. side 135+150				AB

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
<u>ABSTRACT OF COST</u>				
(1/1) clearing & grubbing				
Road Land etc.				
Q/H ₁ wide TMB P-1				
Q/H ₁ = 0.64 Ha				
@ ₹ 51133 -76 / Ha — ₹ 32726 = 0				
(2/2) Constrn. of subgrade				
2 earthen shoulder				
with appraved etc.				
Q/H ₁ wide TMB P-2				
Q/H ₁ = 1214.79 m ³				
@ ₹ 175 = 22 / m ³ — ₹ 212855 = 0				
(3/3) Constrn. of granular				
sub. base by providing				
well graded material				
etc.				
Q/H ₁ wide TMB P-3 to 4				
Q/H ₁ = 73.24 m ³				
@ ₹ 1993 = 33 / m ³ — ₹ 146033 = 0				
(4/4) P/H ₁ , levelling, spreading				
& compacting of worn-II				
Q/H ₁ wide TMB P-4 to 6				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				$Q_{t4} = 72.56 \text{ m}^3$	
④ @ ₹ 3546 = ₹/m ³					₹ 257363 =
(S/S) P/v, laying, spreading					
2 Compacting of WBM-III					
Q _{t4} v/s TMB P-6 to 9					
				$Q_{t4} = 107.46 \text{ m}^3$	
④ @ ₹ 3289 = ₹/m ³					₹ 353450 =
(E/6) Prime coat:- P/v 2					
applying prime coat					
with bitumen emulsion					
(RS-1) on prepared					
surface of granular					
base etc.					
Q _{t4} v/s TMB P-9					
				$Q_{t4} = 1432.8 \text{ m}^2$	
④ @ ₹ 42 = ₹/m ²					₹ 60421 =
(T/7) Tack coat:- P/v 2					
applying tack coat					
with bitumen emulsion					
(RS-1) etc.					
Q _{t4} v/s TMB P-3					
				$Q_{t4} = 1554.5 \text{ m}^2$	
④ @ ₹ 14 = ₹/m ²					₹ 22231 =
(B/8) P/v, laying S valley					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
QTY of close - graded premix surfacing etc.					
QTY visible TMB P-10					
QTY = 1554.5 m ²					
@ ₹ 205 = ₹ 28/m ²					₹ 319107=00
(3/9) Tack coat:- P/v 2 applying tack coat with Bitumen emulsion (RS-1)					
QTY visible TMB P-10					
QTY = 12000 m ²					
@ ₹ 12 = ₹ 2/m ²					₹ 144240=00
(10/10) SDBC:- P/v 2 layer semi dense bitumen concrete etc.					
QTY visible TMB P-11					
QTY = 3000 m ³					
@ ₹ 10542 = ₹ 4/m ³					₹ 3162882=00
(11/11/12) Km stone:- Reinforced cement concrete m-15 grade Km local stone					
(i) Km stone:-					
QTY visible TMB P-11					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	QTY = 4 No.				
@ ₹ 2390=53/NB					₹ 9562=
(ii) 200m Stone:-					
QTY visible TMB P-11					
QTY = 13 NB.					
@ ₹ 640=49/NB.					₹ 8326=
(12/13) Retro reflectorised traffic signs providing					
2 erecting alteration					
2 place identification					
etc.					
QTY visible TMB P-12					
QTY = 1.92 m ²					
@ ₹ 12307=01/m ²					₹ 23629=
(13/14/15/16) P/v 2 fixing of					
retro reflectorised					
Cautionary, mandatory					
2 informative Signs etc.					
QTY visible TMB P-12					
QTY =					
(1) 600mm equilateral					
2 triangle					
QTY visible TMB P-12					
QTY = 10 NB.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ £ 3708 = 10 / No. ——————					£ 37081 = 00
(ii) 600mm circular					
Qty visible TMB P-12					
Qty = 4 No.					
@ £ 3804 = 65 / No. ——————					£ 15218 = 00
(iii) 600mm x 450mm					
rectangular					
Qty visible TMB P-6 No.					
@ £ 3675 = 53 / No. ——————					£ 22053 = 00
(14/17) Boundary pillar :-					
Reinforced cement					
Concrete M-15 grade					
boundary pillar etc.					
Qty visible TMB P-12					
Qty = 60 No.					
@ £ 510 = 83 / No. ——————					£ 30649 = 00
(15/18) Planting of tree by					
the road side etc.					
Qty visible TMB P-13					
Qty = 146 No.					
@ £ 819 = 92 / No. ——————					£ 119708 = 00
(16/19) 1/0.8 laying of					
hot applied thermo-					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17/20) Plastic Compound etc.					
QTY visible TMB P-13					
QTY = 640 m ³					
@ ₹ 735 = 44/m ²					₹ 470682/-
(18/21) P/v 2 Fixing of typical MR Information Sign board etc.					
QTY visible TMB P-13					
QTY = 2 Nos.					
@ ₹ 9538 = 69/Nos.					₹ 190772/-
(18/21) Brick masonry m ³ work in cement mortar etc.					
1.6 m ³ QTY visible TMB P-13 Marked A1					
1.92 m ³ QTY visible TMB P-15 Marked A2					
1.97 m ³ QTY visible TMB P-16 Marked A3					
1.92 m ³ QTY visible TMB P-16 Marked A4					
1.92 m ³ QTY visible TMB P-17 Marked A5					
1.92 m ³ QTY visible TMB P-18 Marked A6					
1.92 m ³ QTY visible TMB P-19 Marked A7					
1.92 m ³ QTY visible TMB P-20 Marked A8					
15.09 m ³ @ ₹ 81					
QTY Limit 14.4 m ³					
@ ₹ 5141 = 91/m ³					₹ 74043/-

Particulars	Details of actual measurement				Content of area
	No.	L.	B.	D.	
(19/22) Plastering with cement mortar on brick work etc.					
Qty visible TMB P-14					
11.68 m ² Qty visible TMB P-14 marked B ₁					
13.76 m ² Qty visible TMB P-15 marked B ₂					
14.08 m ² Qty visible TMB P-16 marked B ₃					
13.76 m ² Qty visible TMB P-17 marked B ₄					
13.76 m ² Qty visible TMB P-18 marked B ₅					
13.76 m ² Qty visible TMB P-19 marked B ₆					
13.76 m ² Qty visible TMB P-20 marked B ₇					
108.32 m ²					
Qty limit 100 m ²					
100.00 m ²					
@ ₹ 1 QC = 35/m ²					₹ 18175 =
(20/23) Painting two coats including Primary coat etc.					
11.68 m ² Qty visible TMB P-14 marked c ₁					
13.76 m ² Qty visible TMB P-15 marked c ₂					
14.08 m ² Qty visible TMB P-16 marked c ₃					
13.76 m ² Qty visible TMB P-17 marked c ₄					
13.76 m ² Qty visible TMB P-18 marked c ₅					
13.76 m ² Qty visible TMB P-19 marked c ₆					
13.76 m ² Qty visible TMB P-20 marked c ₇					
13.76 m ² Qty visible TMB P-21 marked c ₈					
Qty = 108.32 m ²					

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