

MIMSY (SC)

Schedule XLV-Form No. 134

MAIN Road Nunki tola gadhad Kuchhar main
Road to Seta tola

આસિલ કોમિ ધિમી/કોમિ ગ્રાંસજ ગુપરી DIVISION

આસિલ કોમિ ધિમી/કોમિ ગ્રાંસજ ગુપરી SUB-DIVISION
કોમિ ગ્રાંસજ

Measurement Book

N-2278

Agency: - Mala Sirhar Ji

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ग्रामीण कार्य विभाग कार्य प्रमंडल पुणे DIVISION

कार्य भवन प्रमंडल बेरवाडा SUB-DIVISION

Measurement Book

No. 2278

Name of Officer श्री राम कुमार सलमाजी

सहायक अभियंता कार्य भवन प्रमंडल बेरवाडा

Date of first entry _____

Date of last entry _____

1st on A/c 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 measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/work: - Construction of Road					
2 CD works with maintenance					
main Road Nunki talu					
Goodhaul Kuthar main Road					
to Serha talu under MCHS					
N/Agency: - Mala Sitta, Sheohar					
Agreement No - 37 SBD of 2019-20					
Date of Commence: - 29-02-20					
Date of completion: - 28-11-20					

RECORD MEASUREMENT

(1/1) Paving & fixing of working benchmark pillar

① working benchmark

$$QTY = 0.01 \text{ cm}$$

② Reference pillar

$$QTY = 0.01 \text{ km}$$

(2/2) clearing & grubbing Road land etc

$$2 \times 950 \text{ m} \times 3.5 \text{ m} = 6300 \text{ m}^2$$

$$6300 / 10000 = 0.63 \text{ Ha}$$

$$QTY = 0.63 \text{ Ha}$$

Continuation

3rd final
on/ A/c Bill

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[illegible]

Earth work Qty sheet

SL No.	cm	Area	Mean Area	Distance	Volume
1	0.00	1.285			
2	50.00	2.098	1.325	50	86.45
3	100.00	2.09	2.405	50	124.22
4	150	2.64	2.77	50	138.5
5	200	2.17	2.4	50	120.425
6	250	1.93	2.65	50	102.57
7	300	4.83	3.23	50	161.7
8	350	4.43	4.406	50	224.3
9	400	4.09	4.66	50	233.15
10	450	5.15	5.02	50	251.2
11	500	5.23	5.19	50	259.67

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12	550	5.32	5.27	50	263.87
13	600	5.22	5.27	50	263.65
14	650	5.16	5.19	50	259.75
15	700	5.96	5.56	50	278.35
16	705	0.49	3.23	5	16.16
17	708	0.651			0.00
18	750	2.18	1.41	42	59.49
19	800	2.038	2.11	50	105.5
20	850	1.81	1.925	50	86.22
21	902	2.033	1.92	52	99.94
				Total Qty	23145.14 m ³
				Deductor =	
				498	2447.01 m ³

				WBM =	256.81
				PCC =	275.10
				MSS =	34.42 m ³
				Net =	2131.72 m ³

(1/4) Constr. of embankment
with material obtained
from borrow pit etc.

(a) Lead 1000m.

				Qty =	760.61 m ³
				Less Previous	(-) 549.45
				Qty wide road	
				P = 12	= 211.16 m ³

(b) Lead 100 m

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$Q_{t1} = 108.07 \text{ m}^3$
Less Previous					$= (-) 73.85 \text{ m}^3$
Q_{t1} value					
P. 12					
					Net = 34.22 m^3

(2/5) Constn. of Subgrade

earthen shoulder etc.

					$Q_{t1} = 1263.04 \text{ m}^3$
Less Previous Q_{t1}					$= (-) 877.5$
value P. 13					
					Net = 385.54 m^3

(3/6+11) Constn. of kerbs

Sub-base by providing
well graded material etc.

m per					
Box cutting		$2 \times 30 \text{ m} \times 0.30 \times 0.1 \text{ m}$			2.28 m^3
		$2 \times 15 \text{ m} \times 0.5 \text{ m} \times 0.1 \text{ m}$			1.9
Profile		$12 \times 1.5 \text{ m} \times 1.5 \text{ m} \times 0.1 \text{ m}$			2.7
					$Q_{t1} = 6.80 \text{ m}^3$

(4/7+12) P/O laying spreading

& Compacting of WBM-III

		$30 \text{ m} \times \frac{(3.0+3.0)}{2} \times 0.075$			$= 0.66 \text{ m}^3$
		$15 \text{ m} \times \frac{(3.0+4.2)}{2} \times 0.075$			$= 5.7 \text{ m}^3$
					$Q_{t1} = 14.3 \text{ m}^3$

7-10-10
JE

Continuation

Continuation

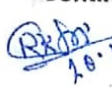
Ray
Frazer
1-11-20
74

Rab
01.11.20
43

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8/10) P/v, laying & rolling of close graded Premix Surfacing of mss etc					
Qty same item no-A/m					
Qty = 1713 m ²					
(9/14) Reinforced cement Concrete m-15 grad km Local stone etc					
(i) km stone					
Qty = 2 No.					
(ii) 200m stone					
Qty = 4 No.					
(10/15) Reinforced cement Concrete m-15 grad boundary pillar etc					
Qty = 3 x 20 = 60 No.					
Qty = 60 No.					
(11/16) P/v & fixing of Retro reflective Cautionary mandator & Informatory Sign board etc					

Continuation

 J. E.
 10-11-20
 R. B. D.
 10-11-20
 AB

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(a) 600 mm circular					
Qty = 8 Nos.					
(b) 900 mm equilateral					
8 triangle					
Qty = 4 Nos.					
(c) 600 mm x 450 mm					
Qty = 4 Nos.					
(12/17) P/V & laying of					
hot applied thermo-					
plastic Compound 2.5					
mm thick etc					

2 x 450 x 0.1 = 90 m ²					
Qty = 90 m ²					
(13/18) P/V & laying of					
hot applied thermoplastic					
Compound 2.5 mm thick					
on concrete surface					
2 x 449 m x 0.1 m = 89.8					
m ²					
Qty = 89.8 m ²					
(14/19) Placing of free by					
the road side in 0.6 m					
dia holes etc.					

Continuation

Continuation

Scanned by CamScanner

11-11-70
 JE
 RB
 MB

Scanned by CamScanner

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1/1) P.V. & Fixing of working benchmark etc.					
(a) working benchmark					
Qty (prev) vide TMB P-11					
Qty = 0.9 km					
@ ₹ 4350 = 70/km — ₹ 3923 =					
(b) Reference pillar					
Qty (prev) vide TMB P-11/12					
Qty = 0.9 km					
@ ₹ 2010 = 80/km — ₹ 1012 =					
(2/2) Cleaning & grubbing Road Land etc.					
Qty (prev) vide TMB P-12					
Qty = 0.43 Hrs					
@ ₹ 49739 = 47/1 Hr — ₹ 31336 =					
(3/3) Excavation For Roadway in soil using manual means etc.					
Qty (prev) vide TMB P-12					
Qty = 26.25 m ³					
@ ₹ 81 = 20/m ³ — ₹ 2132 =					
(4/4) Constr. of embankment					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
with material obtained from borrow pit etc					
(a) 1000 m. Lead					
Qty (Prob) vide TMB P-12					
Qty = 760.61 m ³					
@ ₹ 187 = 51/m ³ — ₹ 142622.200					
(b) 100 m. Lead					
Qty vide TMB P-12					
Qty = 108.07 m ³					
@ ₹ 142.62/m ³ — ₹ 15412.200					
(5/5) Constn of subgrade & earthen shoulder etc.					
Qty vide TMB P-10					
Qty = 1263.09 m ³					
@ ₹ 189 = 39/m ³ — ₹ 239207.200					
(6/6+11) Constn. of uncrushed Sub-base by providing well graded material etc					
440.13 m ³ Qty (Prob) vide TMB P-13					
6.00 m ³ Qty vide TMB P-10					
447.01 m ³ Qty @ ₹ 2836 = 04/m ³ — ₹ 1267730.200					
(7/7+12) P/O laying, spreading					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 Compartment of WBM-1st					
242.51 m ³ Qty (prev) vide TMB P-13					
14.3 m ³ Qty vide TMB P-18					
256.81 m ³ @ ₹ 3452 = 01/m ³ - ₹ 886511 =					
(8/8) P/v & applying primer					
Coat with Bitumen					
emulsion (SS-1) etc.					
Qty vide TMB P-19					
Qty = 1719 m ²					
@ ₹ 51 = 81/m ² — ₹ 89061 =					
(9/9) P/v & applying tank					
Coat with bitumen					
emulsion (SS-1)					
Qty vide TMB P-19					
Qty = 1719 m ²					
@ ₹ 17 = 39/m ² — ₹ 29893 =					
(10/10) P/v, laying, rolling					
of MSS etc.					
Qty vide TMB P-20					
Qty = 1719 m ²					
@ ₹ 234 = 42/m ² — ₹ 402368 =					
(11/13) Contn. of un-reinforced					
Plain cement concrete					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
244.54 m ² Qty (prev) vial TMB P-14					
30.64 m ² Qty vial TMB P-13					
275.18 m ² @ ₹ 8044 = 1/m ² — ₹ 2213575 = 0					
(12/14) Reinforced cement					
Concrete m-15 grade					
1 km Stone					
(i) 1 km Stone					
Qty vial TMB P-20					
Qty = 2 No.					
@ ₹ 2534 = 67/10 — ₹ 5069 = 00					
(ii) 200m Stone					
Qty vial TMB P-20					
Qty = 4 No.					
@ ₹ 692 = 51/10 — ₹ 2770 = 00					
(13/15) Reinforced cement					
Concrete m-15 grade					
boundary filler at					
Qty vial TMB P-20					
Qty = 60 No.					
@ ₹ 540/No — ₹ 32400 = 00					
(14/16) P/v & Fixing retro-					
reflective Concreting					
mandate = 4 & 1/2 m ²					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sign board etc.					
(a) 800mm circular					
Qty vide TMB P-21					
Qty = 8 No.					
@ ₹ 5623.50/No — ₹					44988.00
(b) 900mm equilateral					
& triangle etc.					
Qty vide TMB P-21					
Qty = 4 No.					
@ ₹ 6223.1/No — ₹					25692.00
(c) 600mm x 450mm rectangular					
Qty vide TMB P-21					
Qty = 4 No.					
@ ₹ 5468.45/No — ₹					21874.00
(15/17) P/v & laying of hot applied thermoplastic etc.					
Qty vide TMB P-21					
Qty = 90 m ²					
@ ₹ 850.53/m ² — ₹					76584.00
(16/18) P/v & laying of hot applied thermoplastic etc.					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty v/sk TMB P-21					
Qty = 89.8 m ²					
@ ₹ 347 = ₹ 31/m ² —					₹ 85092.200
(17/19) Planting of tree					
by the road side etc					
Qty v/sk TMB P-21					
Qty = 46 Nos					
@ ₹ 817 = ₹ 1/No —					₹ 37600.200
(18/21) P/v & erecting					
cleverer & place					
relectorisation retro-					
relectorisation etc.					
Qty v/sk TMB P-22					
Qty = 1110.					
@ ₹ 3556 = ₹ 83/No. —					₹ 3557200
(19/22) P/v & fixing of typical					
masonry sign					
board etc.					
2 No. Qty (Prev) v/sk TMB P-14					
3 No. Qty v/sk TMB P-22					
5 No. Qty @ ₹ 11815 = ₹ 75/No. —					₹ 59093.20
(20/23) Brick masonry work					
in cement mortar etc.					

Continuation

Continuation