

MMGISY ନିର୍ଦ୍ଦେଶନାମା PMGISY ପାଠ୍ୟ ପାଠ୍ୟ (MNP Ekma
Punukani Pathy) ନିର୍ଦ୍ଦେଶନା

Schedule XLV-Form No. 134

ଭୁବନେଶ୍ୱର DIVISION

ଭୁବନେଶ୍ୱର SUB-DIVISION

Measurement Book

M.G.NO- 193
19-20

પ્રમાણિત વિભાગ દ્વારા જે/કે રૂબરૂ માપવા
પ્રદાન કરેલ જમીન ક્ષેત્રફળ ૧-૧૦૦ ચોરસ મીટર
જે/કે સહાયતા ભૂમિમાલિકા, ભાગ ૨ અથવા ૩
સુદેશ જે નામ સુધી સિદ્ધિ છે.


Executive Engineer,
Rural Works Department
Works Division Phulparas
23.5.2020

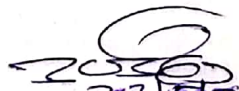
Sch. XLV - Form No. 134

મનપાલિકા DIVISION
સુદેશ SUB-DIVISION

Measurement Book

No. 193.

19-20

Name of officer 
Executive Engineer,
Rural Works Department
Works Division Phulparas
23.5.2020

Date of first entry _____

Date of last entry _____

મનપાલિકા સહાયતા ભૂમિમાલિકા રાજુ રાજુ (MNE Ekma Phulparas)

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.	
1st On A/c bill					
Name of Work: const. & maint. of road and C.D. work for primary path					
Rajpur (MNP Exams phulkahi path) under mmusy - Gen					
Agency: Abbas Akhtar					
Agreement NO: 53 SBD/2020-20					
Date of Commencement - 28.01.2020					
Date of Completion - 27.10.2020					
Date of Measurement: 21.7.2020					
1. Providing and fixing logo of Mmusy project.					
Providing and fixing logo of mmusy					
Project - 01 No.					
Citizen information board - 01 No.					
Total - 02 Nos.					
2. Setting out pillars etc					
Main road - 8 nos. x 0.282 km = 2 Nos.					
Link Road No. (1) - 8 nos. x 0.058 km = 1 No.					
Link Road No. (2) 8 nos. x 0.076 km = 1 No.					
Link Road No. (3) 8 nos. x 0.530 km = 0 No.					
Link Road No. (4) 8 nos. x 0.146 km = 01 No.					
Continuation					
Total = 5 Nos.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3. Clearing and grubbing of					
road land					
Main Road - $9 \times 30.0m \times 3.50m$					$= 945.00 m^2$
		$12.00m \times 3.50m$			$= 42.00 m^2$
Link Road No. (1) - $3 \times 30.0m \times 3.50m$					$= 315.00 m^2$
		$8.0m \times 3.50m$			$= 28.00 m^2$
Link Road No. (2) $2 \times 30.0m \times 3.50m$					$= 210.00 m^2$
		$16.0m \times 3.50m$			$= 56.00 m^2$
Link Road No. (3) $1 \times 30.0m \times 3.50m$					$= 105.00 m^2$
		$23.0m \times 3.50m$			$= 80.50 m^2$
Link Road No. (4) $4 \times 30.0m \times 3.50m$					$= 420.00 m^2$
		$26.0m \times 3.50m$			$= 91.00 m^2$
		Total			$= 2292.50 m^2$
					$= 0.22925 \text{ Hec.}$
4. Box cutting: Excavation for					
roadway in soil					
for Rigid Road:-					
Be side of G.S for provision					
of Rigid Road:-					
$2 \times 9 \times 30.0m \times 0.375m \times 0.10m$					$= 20.25 m^3$
$2 \times 12.0m \times 0.375m \times 0.10m$					$= 0.90 m^3$
$2 \times 3 \times 30.0m \times 0.375m \times 0.10m$					$= 6.75 m^3$
$2 \times 8.0m \times 0.375m \times 0.10m$					$= 0.60 m^3$
$2 \times 2 \times 30.0m \times 0.375m \times 0.10m$					$= 4.50 m^3$
$2 \times 16.0m \times 0.375m \times 0.10m$					$= 1.20 m^3$
$2 \times 1 \times 30.0m \times 0.375m \times 0.10m$					$= 2.25 m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$2 \times 23.0 \text{ m} \times 0.375 \text{ m} \times 0.10 \text{ m}$					$= 1.73 \text{ m}^3$
$2 \times 4 \times 30.0 \text{ m} \times 0.375 \text{ m} \times 0.10 \text{ m}$					$= 9.00 \text{ m}^3$
$2 \times 26.0 \text{ m} \times 0.375 \text{ m} \times 0.10 \text{ m}$					$= 1.95 \text{ m}^3$
		Total			$= 49.13 \text{ m}^3$
		Limit			$= 45.23 \text{ m}^3$

5. Construction of embankment

with approved material, etc.

$4 \times 2.80 \text{ m} \times 1.05 \text{ m} \times 0.025 \text{ m}$					$= 2.94 \text{ m}^3$
$9 \times 3.20 \text{ m} \times 1.65 \text{ m} \times 0.30 \text{ m}$					$= 14.26 \text{ m}^3$
$7 \times 2.60 \text{ m} \times 1.40 \text{ m} \times 0.30 \text{ m}$					$= 7.64 \text{ m}^3$
$6 \times 4.05 \text{ m} \times 1.55 \text{ m} \times 0.30 \text{ m}$					$= 11.30 \text{ m}^3$
$8 \times 3.45 \text{ m} \times 1.10 \text{ m} \times 0.30 \text{ m}$					$= 9.10 \text{ m}^3$

Total $= 45.24 \text{ m}^3$

6. Construction of embankment

with material obtained from

borrow pits, etc.

	C/S Area	Mean Length		Volume
Chain	Area	C/S Area		Volume
in m	m^2	m^2	in m	m^3
0	1.40	-	-	-
100	0.86	1.13	100	113.00
200	0.98	0.92	100	92.00
282	1.48	1.23	82	100.86
Link Road				
0	0.74	-	-	-
100	1.66	1.20	100	120.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
146	1.28	1.47	46	67.62	
Total Qty: 493.48 m ³					
for 100 m lead 80% of 493.48 m ³ = 394.78 m ³					
for 1000 m lead 20% of 493.48 m ³ = 98.70 m ³					
7. Granular Sub-base with well graded material as per specification for Rigid Road					
for profile correction:-					
4 x 3.22 m x 1.20 m x 0.10 m = 1.54 m ³					
9 x 3.55 m x 1.10 m x 0.10 m = 3.61 m ³					
7 x 2.80 m x 1.05 m x 0.075 m = 1.54 m ³					

11 x 1.90 m x 1.15 m x 0.10 m	= 2.40 m ³
8 x 2.80 m x 0.95 m x 0.075 m	= 1.60 m ³
6 x 4.15 m x 1.10 m x 0.10 m	= 2.74 m ³
5 x 2.15 m x 0.80 m x 0.10 m	= 0.86 m ³
widening portion:-	
2 x 9 x 30.0 m x 0.375 m x 0.10 m	= 20.25 m ³
2 x 12.0 m x 0.375 m x 0.10 m	= 0.90 m ³
2 x 3 x 30.0 m x 0.375 m x 0.10 m	= 6.75 m ³
2 x 8.0 m x 0.375 m x 0.10 m	= 0.60 m ³
2 x 2 x 30.0 m x 0.375 m x 0.10 m	= 4.50 m ³
2 x 16.0 m x 0.375 m x 0.10 m	= 1.20 m ³
2 x 1 x 30.0 m x 0.375 m x 0.10 m	= 2.25 m ³
2 x 23.0 m x 0.375 m x 0.10 m	= 1.73 m ³
2 x 28.0 m x 0.375 m x 0.10 m	= 1.95 m ³
Total Qty = 63.42 m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S. KIBM Circulating - 3 Material					
----- etc					
Main Road:-					
$5.0m \times (3.75 + 3.15)m / 2 \times 0.075m = 1.29m^3$					
$25.0m \times (3.15 + 3.10)m / 2 \times 0.075m = 5.86m^3$					
$30.0m \times (3.10 + 3.15)m / 2 \times 0.075m = 7.03m^3$					
$30.0m \times (3.15 + 3.05)m / 2 \times 0.075m = 6.98m^3$					
$30.0m \times (3.05 + 3.55)m / 2 \times 0.075m = 7.43m^3$					
$30.0m \times (3.55 + 3.65)m / 2 \times 0.075m = 8.10m^3$					
$30.0m \times (3.65 + 3.75)m / 2 \times 0.075m = 8.33m^3$					
$30.0m \times (3.75 + 3.50)m / 2 \times 0.075m = 8.16m^3$					
$30.0m \times (3.50 + 3.40)m / 2 \times 0.075m = 7.76m^3$					
$30.0m \times (3.40 + 2.90)m / 2 \times 0.075m = 7.09m^3$					
$12.0m \times (2.90 + 2.95)m / 2 \times 0.075m = 2.63m^3$					
					70.66m ³
Link Road No. (1)					
$30.0m \times (3.25 + 3.45)m / 2 \times 0.075m = 7.65m^3$					
$30.0m \times (3.45 + 3.40)m / 2 \times 0.075m = 7.71m^3$					
$30.0m \times (3.40 + 3.40)m / 2 \times 0.075m = 7.65m^3$					
$8.0m \times (3.40 + 3.20)m / 2 \times 0.075m = 1.98m^3$					
					24.99m ³
Link Road No. (2)					
$30.0m \times (3.20 + 3.25)m / 2 \times 0.075m = 7.26m^3$					
$30.0m \times (3.25 + 3.20)m / 2 \times 0.075m = 7.26m^3$					
$16.0m \times (3.20 + 3.20)m / 2 \times 0.075m = 3.84m^3$					
					18.36m ³
Link Road No. (3)					
$30.0m \times (3.45 + 3.20)m / 2 \times 0.075m = 7.03m^3$					
$23.0m \times (3.20 + 3.40)m / 2 \times 0.075m = 5.69m^3$					
					12.72m ³

Continuation

Material statement:-

1. E/w -

2. Stone Agg. -

i) 53mm to 26.5mm size - $26.64 \text{ m}^3 @ 362.57$

ii) 26.5mm to 4.75mm size - $34.25 \text{ m}^3 @ 404.62/\text{m}^3$

iii) 53mm to 22.4mm size - $201.80 \text{ m}^3 @ 362.57/\text{m}^3$

iv) 11.2mm size - $40.03 \text{ m}^3 @ 248.50/\text{m}^3$

3. Sand - $15.22 \text{ m}^3 @ 110.69/\text{m}^3$

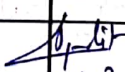
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21.7.2020
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of cost					
1. Providing and fixing logs of					
mmysy project.....					
02 Nos. vide TMB P-1					
@ 10314.42/No. — R.					20629.20
2. Setting out pillars					
05 nos. vide TMB P-1					
@ 2515.22/No. — R.					12576.20
3. Clearing and grubbing of					
road land					
0.22925 Hae. vide TMB P-2					
@ 49739.47/H — R.					11403.20
4. Box cutting, excavation for					
roadway in soil					
45.23 m ³ vide TMB P-3					
@ 82.01/m ³ — R.					3709.20
5. Construction of embankment					
with approved material.....					
45.24 m ³ vide TMB P-3					
@ 31.42/m ³ — R.					1421.20

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6. Construction of embankment with material obtained from borrow pit near for 100 m level 394.78 m^3 vide TMB P-4 @ $142.67/\text{m}^3$ ————— R. 56323200 for 1000 m level 98.70 m^3 vide TMB P-4 @ $187.51/\text{m}^3$ ————— R. 18507200					
7. Granular Sub-base with well graded material near					
WSD Cracking - 5 meter 63.42 m^3 vide TMB P-4 @ $3239.11/\text{m}^3$ ————— R. 205424200					
8. WBM Cracking - 3 material near 166.78 m^3 vide TMB P-6 @ $4028.46/\text{m}^3$ ————— R. 671867200 R. 10,01,859200 less 4.55% below R. () 45585200 R. 9,56,274200					
					 21.7.2020 JB

Continuation