

MMSY (ND8) Ex:CS

M.B.No - 533

21-2-2

Shedule XLY Form No. 134.

हर्दुग - चौक र अमरपुरा. ०११५ नं०

प्रांत. नं० ११५

DIVISION

अप्रांत. नं० ११५

SUB-DIVISION

Measurement Book

Ranjit Kumar

प्रमाणित किया जाता है कि इस
मापी पुस्त में मशीन द्वारा अंकित
कुल - 100 (एक सौ) पन्ने हैं जिसे
श्री शमेश कुमार सतार, सहायक
अभियंता, ग्रामीण कार्य विभाग,
अवर प्रमंडल गोगरी का
निर्गत किया जाता है।

Akumal
Executive Engineer
R.W.D. Works Div.
Gogri
9/2/2022
9.2.22

Sch. XLV - Form No. 134

प्रमंडल गोगरी DIVISION

अवर प्रमंडल गोगरी SUB-DIVISION

Measurement Book

No.

Name of Officer _____

Date of first 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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work—					
Construction of road from					
Hazipur chowk to G.N. Bandh					
Name of Agency—					
Rajiv Kumari					
Add—					
A-1-mali, P.O + P.S. Beldaur					
Distt—					
Khagaria (Bihar)					
Agreement No:—					
21SRD/2021-2022.					
Date of Start:—					
08.02.2022					
Date of Completion:—					
07.02.2022					

Record measurement

Date—

H.P. cutrest— 1.0 m by 1.000 m by 1.000 m

1. Fluo in excavation for

found? of structure etc—

do-do-all Comp. job —

$$2 \times 6.450 \times 1.400 \times 1.500 = 27.09 \text{ m}^3$$

Below pipe

$$1 \times 4.850 \times 1.530 \times 0.365 = 2.71 \text{ m}^3$$

$$29.80 \text{ m}^3$$

2. pyg. m/c F.C.C. (1:2.5:5)

as levelling course etc—

do-do-all Comp. job —

$$2 \times 6.450 \times 1.400 \times 0.150 = 2.71 \text{ m}^3$$

Below pipe

$$1 \times 4.931 \times 1.530 \times 0.250 = 1.89 \text{ m}^3$$

Less

$$0.250 \times 0.7857 \times (1.230)^2 \times 5.496 = 2.03 \text{ m}^3$$

$$0.91 \text{ m}^3$$

3rd & final Bill

Sch. XLV-Form No. 1 ABSTRACT OF COST

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

Date - 06.06.2022

1. Flue in excavation
for found of structure
etc-do-do-all comp job
747. vide T.O.B.P. (24)
29.80m³

QRs. 2795.00/m³ — Rs. 8,317.50

2. Prg. m/c P.C.C. (1:2:5)
as levelling course
etc-do-do-all comp.
job —

747. vide T.O.B.P. (24)
2.96m³

QRs. 5111.33/m³ — Rs. 15,129.50

3. Brick masonry work in
con. (1:4) in headwall
etc-do-do-all comp.
job —

747. vide T.O.B.P. (24)
30.61m³

QRs. 5730.62/m³ — Rs. 1,75,414.50

4. prg. & laying R.C.C.
pipe NIP3 for culverts

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

or 1st class bedding

etc-do-do-all Comp.

job —

Qty. vide T.O.B.P. (25)

7.50 m²

Q.Rs. 3869 = 91/m² — Rs. 29,024/-

5. Plastering with con.

(1:4) on substructure.

etc-do-do-all Comp. job

Qty. vide T.O.B.P. (25)

66.85 m²

Q.Rs. 162 = 37/m² — Rs. 10,854/-

6. Pvg. 1.5 mm cement

punning including

curing etc-do-do-all

Comp. job —

Qty. vide T.O.B.P. (25)

14.22 m²

Q.Rs. 47 = 72/m² — Rs. 678/-

7. Setting out pillars

pvg. & fixing of working

benchmarks pillars etc-

do-do-all Comp. job —

Qty. vide T.O.B.P. (25)

i) working benchmarks/pillars

Q.Rs. 3828 = 52/m² — Rs. 3,828/-

Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L.	D.	
ii) Reference pillars - 4 nos.				
Q.R. 17.55 = 02/001				R. 7.020
8. clearing & grubbing				
Road Land (by manual				
means) including uprooting				
wild vegetation, grass,				
bushes etc - do - do - all				
comp. job —				
2+4. vide T.M.B.P. (26)				
		0.33 Hq.		
Q.R. 52.970 = 33/Hq.				R. 17.480

9. excavation for roadway				
in soil using manual				
means etc - do - do - all				
comp. job —				
2+4. vide T.M.B.P. (26)				
		117.92 m ³		
Q.R. 75 = 57/m ³				R. 8.911

10. Const. of embankment				
with material obtained				
from borrow pits etc - do - do				
all comp. job —				
2+4. vide T.M.B.P. (26)				
		707.01 m ³		
Q.R. 1.90 = 36/m ³				R. 134.586

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ii) for 100mm lead - 1017.41					
OR 162 = 67/m ³ — Rs. 1,65,502-					
11. Conf. of granular sub-base by providing well graded material etc -					
do-do-all comp. job -					
Qty. vide T.O.B.P. (27)					
384.372 m ³					
OR 2433 = 59/m ³ — Rs. 9,35,404-					

12. Pvg. laying rolling & compacting of WBM					
gr-3 etc-do-do-all comp. job —					
Qty. vide T.O.B.P. (27)					
244.07 m ³					
OR 3220 = 70/m ³ — Rs. 7,86,076-					
13. Conf. of un-reinforced plain cement concrete etc-do-do-all comp. job -					
Qty. vide T.O.B.P. (27)					
306.0 m ³					
OR 6617 = 27/m ³ — Rs. 20,24,885-					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
14. Prg. & applying primer coat (SS-1) etc-do-do-all comp job					
Qty. vide T.M.B.P. (28)					
		2280.25			
QRs. 42=07/m ²					Rs. 95,930/-
15. Prg. & applying tack coat (RS-1) etc-do-do-all comp job					
Qty. vide T.M.B.P. (28)					
		2280.25			
QRs. 14=51/m ²					Rs. 23,086/-

16. Prg. laying & rolling of close graded premix surfacing etc-do-do-all comp job					
Qty. vide T.M.B.P. (28)					
		2280.25			
QRs. 196=38/m ²					Rs. 4,47,795/-
17. Conf. of subgrade & earthen shoulder etc-do-do-all comp job					
Qty. vide T.M.B.P. (29)					53393m ³
Qty. vide T.M.B.P. (31)					206.6m ³
		740.495			
QRs 192=04/m ³					Rs. 1,42,205/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
18. - pvg. & fixing of typical mon(asy) informative signboard with logo etc-do-do-all completed.					
247. vide T.O.B.P. (29)					
i) logo identification signboard - 1.0 nos.					
247. vide T.O.B.P. (31)					
Logo identification signboard - 1.0 nos.					
					2.0 nos.
ii) citizen information board - 1.0 nos.					
247. vide T.O.B.P. (37)					
citizen information board - 1.0 nos.					
					2.0 nos.
iii) maintenance board 247. vide (37)					
					2.0 nos.
Total					6.0 nos.
Q.R. 9187 = 19/000. - Rs. 55,123.50					
19. - Laying brick & lining layer on prepared subgrade with bricks on end ending according to lines & level etc-do-do-all completed -					

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
7.7. vide T.O.B.P. (35)				
500.002				
Q.Rs. 494 = 44/m ²			Rs.	2,47,220
20. planting of trees by the road side (Avenue trees) in 0.60m dia holes etc-do-do-all comp job				
7.7. vide T.O.B.P. (35)				
50.0 nos.				
Q.Rs. 844 = 59/nos.			Rs.	42,229

21. Reinforced cement concrete mis grade kilometre local stone of standard design etc-do-do-all comp job				
7.7. vide T.O.B.P. (35)				
i) 1km stone - 3.0 nos.				
Q.Rs. 2148 = 50/nos.			Rs.	6,445
ii) 200m stone - 4.0 nos.				
Q.Rs. 591 = 54/nos.			Rs.	2,366
22. Reinforced cement concrete mis grade boundary pillar etc-do-do				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
all comp. job					
747 vide T.O.B.P. (36)					
48.0 nos.					
Q.R. 995 = 37/nos.					Rs. 23,778:-

23. Prg. & fixing of Retain
reflective Cautionary,
mandatory and interlocking
signboard etc-do-do-all
comp. job —

747 vide T.O.B.P. (36)

i) 600mm equilateral &
triangle - 10.0 nos.

Q.R. 3611 = 31/nos. — Rs. 50,567:-

ii) 600mm circular - 4.0 nos.

Q.R. 4908 = 71/nos. — Rs. 19,635:-

iii) 600mm x 450mm Rectangular
- 2.0 nos.

Q.R. 4641 = 21/nos. — Rs. 9,282:-

iv) 900mm dia octagon - 2.0 nos.

Q.R. 8880 = 80/nos. — Rs. 17,762:-

24. Prg. & laying of hot
applied thermoplastic

Compound 2.5mm thick

etc-do-do-all comp. job

747 vide T.O.B.P. (36)

Q.R. 721 = 95/m² — Rs. 1,67,492:-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
25: Prg. & erecting direction & place identification retro-reflectored sign etc-do-do-all comp job - Qty. vide T.M.B.P. (37) 1.0 nos					
ORs 2664 = 32/nos					Rs. 2,664/-

26: Painting two coats including primer coat after filling the surface with synthetic enamel paint etc-do-do-all comp job

Qty. vide T.M.B.P. (37) 116.23 m ²					
ORs 101 = 40/m ²					Rs. 11,786/-
					Rs. 56,98,473/-
Add 12% GST + 1% L.C.					Rs. 7,40,801/-
					Rs. 64,39,274/-

Construction cost — Rs. 64,39,274/-
— (A)

Signage fee

10% of material cost

Qty. vide T.M.B.P. (29)					
i) C. Sand - 152.0 m ³					
ORs 175 = 80/m ³					Rs. 26,722/-
ii) 40mm agg - 4.56 m ³					
ORs 494 = 15/m ³					Rs. 2,253/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
iii) 20mm agg. - 2.28 m ³					
CR. 604 = 91/m ³				Rs.	1,379 =
iv) 10mm agg. - 0.73 m ³					
CR. 668 = 80/m ³				Rs.	488 =
v) Flt - 1240.945 m ³					
4 y. vide T. R. P. (34) - 206.5 m ³					
1447.505 m ³					
CR. 34 = 81/m ³				Rs.	50,388 =
vi) 53mm to 9.5mm - 230.9 m ³					
CR. 620 = 62/m ³				Rs.	1,43,312 =
vii) 53mm to 22.4mm - 296.2 m ³					
CR. 51 = 44/m ³				Rs.	1,51,534 =
viii) 9.5mm to 2.36mm - 92.36 m ³					
CR. 51 = 58/m ³				Rs.	47,527 =
ix) Stone screening - 58.77 m ³					
CR. 397 = 73/m ³				Rs.	23,374 =
x) mss - 68.40 m ³					
CR. 523 = 37/m ³				Rs.	35,798 =
xi) crushed stone - 27.54 m ³					
CR. 581 = 99/m ³				Rs.	1,60,321 =
xii) Sand - 137.73 m ³					
CR. 175 = 80/m ³				Rs.	24,213 =
xiii) Fine sand - 20 m ³					
CR. 141 = 85/m ³				Rs.	2,837 =
xiv) C. sand - 2.582 m ³					
CR. 175 = 80/m ³				Rs.	454 =
xv) 40mm aggregate - 1.977 m ³					
CR. 494 = 15/m ³				Rs.	977 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
xvi) 20mm aggregate - 1.753m ³					
CR. 604 = 91/m ³ —					R. 1,060.27
xvii) 10mm aggregate - 1.843m ³					
CR. 668 = 80/m ³ —					R. 1,232.24
					R. 6,738.70
10% S.F. i.e. —					R. 673.87
					— (B)
Total cost					
(A) —					R. 64,39,274.27
(B) —					R. 67,387.24
					R. 65,06,661.51
less 12% 65% below CR. 8,23,093.27					
Cost per agg. —					R. 56,83,568.24

less previous payment CR. 50,18,497.27

R. 6,70,071.24

[Signature]

06.06.2022

J.E.

cep

Attnal

11/6/2022

SE

[Signature]
06/06/2022
A.F.

Material Consumption