

पन्ना नवरी मारी एव व नवरी एव
New for

मुम्स्य-150

Schedule XLV-Form No. 134

मुम्स्य व नवरी मारी एव व नवरी एव DIVISION

मुम्स्य व नवरी मारी एव व नवरी एव SUB-DIVISION

MEASUREMENT BOOK

Kenu Devi

No 2320

Sch. XLV-Form No. 134

ग्रामीण कार्य विभाग कार्य प्रमंडल, पुणे DIVISION
कार्य भवन प्रमंडल, वाजपेटी SUB-DIVISION

Measurement Book

No. 2320

Name of officer श्री रामकुमार सलमाशी

सहायक अधिकारी कार्य भवन प्रमंडल वाजपेटी

Date of first entry _____

Date of last entry _____

Isl on 1/2 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.	
H/W: — Const of Road					
and CD works with					
maintenance for P.M.G.S.Y					
Mahmuda Primary					
School to Khatre to					
New bridge under					
P.M.G.S.Y.					
H/Agency: — Renu Devi					
Vill + P.O. — Brahmapur					
P. S. — Kantaul					
Darbhanga.					
Agreement NO. — 2183/20-21					
Date of start: —					
10/06/2020					
Date of comp: —					
9/3/2021					
Actual date of comp					
: — work is under					
progress					

Continuation

2nd on 1/2 Bill

11

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
HYW: - Const. of Road &					
C.D. works with					
Maintenance for primary					
Mohamads Primary					
School to Khatri toll					
New bridge under					
construction.					
By Agency - Renu dera					
Village + 2.0 - Brahmanpur					
P.S. Kambaul					
Darbhanga					
Agreement no: -					
21 5/12/20 21					
Date of Start -					
10/6/2020					
Date of Comp: -					
9/3/2021					
Actual date of Comp					
: - work is under					
progress					
Serial ① Pr and fixing of					
working bench marks					
hill etc. -					

Continuation

Other - $1 \times 15 = 15 \text{ m}$
 $= 0.015 \text{ km}$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Reference pit/box					
— Same as					
— 0.015 m					
② clearing and grubbing road land including all comp.					
Qty — $2 \times 15 \times 2.50$					
$= 105 \text{ m}^3$					
$= 0.0105 \text{ km}^3$					
③ Cont of G.C.S. for providing well graded					

material spread					
in uniform layer					
$1 \times 15 \times 2.60 \times 0.100 = 10.80 \text{ m}^3$					
④ Pro and laying spread and compacting stone aggregate up to 1.3 m by Gravel Bedding					
all comp.					
$1 \times 15 \times 2.56 \times 0.075 = 4.00 \text{ m}^3$					
⑤ Cont of unforced					
per parameter of 11					
as per design area					
proposed sub-base					
including all comp.					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x 30x	2	3.50	3.70	0.160	17.28 m ³
1x 20x	2	3.70	3.60	0.160	17.52
1x 20x	2	3.60	3.40	0.160	16.80
1x 30x	2	3.40	4.50	0.160	18.96
1x 20x	2	4.50	2.60	0.160	17.53
1x 30x	2	2.60	3.80	2.90	14.88
1x 23x	2	2.90	4.20	0.160	13.06
					116.05

Say 116.05 m³

(b3). R and laying and

rolling of Premix

surfacing material

of 150 mm thickness

see compo -

from - 0

1x 30x	2	3.05	3.75	3.00	98.00
1x 30x	2	3.00	3.10		91.50
1x 30x	2	3.10	2.70		87.00
1x 30x	2	2.70	3.00	3.00	87.00
1x 30x	2	3.00	3.50	3.30	98.00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x30x		$\frac{3.30+3.10+3.10}{3}$		=	95.00
1x30x		$\frac{3.10+3.60+3.80}{3}$		=	105.00
1x30x		$\frac{3.80+4.50}{2}$		=	124.50
1x15x		$\frac{4.50+3.25}{2}$		=	116.25
1x30x		$\frac{3.25+2.75}{2}$		=	105.00
1x30x		$\frac{3.75+3.10}{2}$		=	102.75
1x30x		$\frac{3.10+3.30}{2}$		=	94.00
1x30x		$\frac{3.30+3.10}{2}$		=	96.00
1x30x		$\frac{3.10+3.30}{2}$		=	96.00

1x30x		$\frac{3.30+3.00}{2}$		=	94.50
1x12x		$\frac{3.00+3.00}{2}$		=	36.00
				=	1528.50 m ²

(7) P. and applying
primer coat with
Bitumen (SS-2) on
prepared surface
including all exp.
Qty/area - 1528.50 m²
vide also item (6)

(8) P. and applying top
coat with emulsion (RS-3)
on prepared surface

Continuation
including all exp.

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
		Other measurement is (2)				
		Area = 152.85 m^2				
(9) u/s for R.C. 1cm stone		Qty. 2 m ³				
(11) 200m stone		— 2 m ³				
(10) for R.C. (115) Boundary		bills all up				
		Qty. — 50 m ³				
(11) i/s for and flt of cantilever		Information mandatory				
		sign board all up				
		Qty. — 5 m ³				
(ii) Equilateral Δ		Qty. — 2 m ³				
(11) Rectangular		Qty. 2 m ³				
(12) for and laying of		hot applied thermo				
		plastic compound all				
		comp				
flexible surface	Qty.	$2 \times 44.7 \text{ m} \times 0.10$				
		$= 89.40 \text{ m}^2$				
(13) for and laying of		hot applied thermo				
		plastic compound all				
		comp				

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Fig. 2 Road	2	203	0.10		
				10.60 m ²	
(14)	Planting of trees by road side including all comp.				
	Qty -	50	nos		
(15)	for and laying of R.C.C. 300mm dia duct pipe including all comp.				
	Qty -	2	4.2 x 2.5		
				5 m	
(16)	for and erecting direction and place R/Sign board and all comp.				
	Qty -	1	nos		
(17)	for and fixing of typical type masonry in bounding R/Sig/culvert board and all comp.				
	Qty -	2	nos		
	E/R Calculation sheet				
Sl No	Ch	Area	meas m ²	Distance	Vol/Qty
1	0	1.60	-	-	-

Continuation

17
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2	2.167	1.886	50	50	04.300
3	100	2.452	2.308	50	115.375
4	150	4.647	3.540	50	176.975
5	200	3.916	4.372	50	213.575
6	250	2.948	3.482	50	171.600
7	300	4.515	3.732	50	186.575
8	350	6.267	5.341	50	269.550
9	400	5.542	5.905	50	295.225
10	450	4.543	5.842	50	252.120
11	500	4.114	4.827	50	216.550
12	550	5.005	4.562	50	228.100
13	600	3.561	4.287	50	214.325
14	650	2.976	2.272	50	163.600
Total area = 2597.835 m ²					
(Including creek)					
Less Creek —					
(1) Total G.S.B.					
$356.10 + 21.20 = 377.40 \text{ m}^2$					
(2) Total Gr. II —					
$112.00 + 52.83 = 164.83 \text{ m}^2$					
(3) Total Rec —					116.05 m ²
(4) 200 creek —					15.00 m ²
— = 673.08					
Total area = 1924.795 m ²					

Continuation

Continuation

Continuation

Abstract of Cost

19

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL NO (1/1) Pr and fixing of					
working of					
bolts					
Qty- nre Tm B p (6)					
- 0.635 Km					
nre Tm B p- (11)					
0.015 Km					
= 0.650 Km					
@ 7 1153 = 64/100					7 2700=00
SL NO (2/2) Reference fill-in					
Qty- nre Tm B p- (6)					
- 0.635 Km					
nre Tm B p- (12)					
0.015 Km					
= 0.650 Km					
@ 7 1920 = 02/100					7 1248=00
SL NO (3/3) electing and grubbing					
road land including					
all crops					
Qty- nre Tm B p- (5)					
- 0.45 Hp					
nre Tm B p- (12)					
- 0.0105 Hp					
= 0.4605 Hp					
@ 7 49 191 = 70/100					7 22793=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SLNO (4/4) for location of road					
way in soil includ p					
acc comp					
Qty - vol p (7) of 10m					
- 15.000m ³					
@ 774 = 10/m ²				7	1112.000
SLNO (5/5) Contd of embankment					
both rock and soil					
from borrow pits					
acc comp job					
Qty - vol 10m p (10/10)					
for 1000m length					
- 192.479m ³					
@ 172 = 11/m ²				7	3330.500
for - 100m length					
- 384.957m ³					
@ 7138 = 10/m ²				7	53162.000
SLNO (6/6) Contd of sub-grade					
and carters shoulder					
by approved method					
including acc comp					
job					
Qty - vol 10m p (10/10)					
- 1347.357m ³					
@ 175570/m ³				7	338145.000

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S.No (77) Const of Gr. by providing well graded material spreading in uniform layers are comp.					
Qty. vide Tm 13 P- (8)					
					- 345.30 m ³
vide Tm 13 P- 10.80 m ³ P- (12)					
					= 356.10 m ³
@ ₹ 2685 = 15/m ³ — ₹ 956182.00					
S.No (88) for laying spreading and compaction					
Stone aggregate of 10 mm by Gr. III are comp.					
Qty. vide Tm 13 P- (8)					
					- 108.00 m ³
vide Tm 13 P- (12)					
					- 4.00 m ³
					= 112.02 m ³
@ ₹ 3267 = 39/m ³ — ₹ 365948.00					
S.No (96) Const of Gr. by providing well graded material in uniform layers including comp.					
Qty. vide Tm 13 P- (8)					
					- 21.30 m ³

Continuation

@ ₹ 2685 = 15/m³ — ₹ 53194.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL NO (10/13) for laying spreading and compact of stone aggregate upto 173m by Gr-131 include of all comp job					
Qty - viz Tmā p - (9)					
- 52.63 m ³					
② 7 3267 = 39/m ³ — 7 171963 =					
SL NO (11/21) for and laying of Red Corundum pipe including all comp					
Qty - viz Tmā p - (9)					
- 5.00 m					
viz Tmā p - (16)					
- 5.00 m					
- 10.00 m					
③ 7 837 = 88/m — 7 8375 = 00					
SL NO (12/23) for and fixing typical type mangist Informatory hand board including all comp					
Qty - viz Tmā p - (9)					
- 2 m ³					
viz Tmā p - (16)					
- 3 m ³					
- 5 m ³					

Continuation

④ 7 10 990 = 25/m³ — 7 84 951 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL NO (13/14) Cont of un-reinforced P.C.C. pavement of the or for depth over a prepared sub-base including all comp. job					
Qty - vide TMB P- (13)					
- 116.05 m ³					
Q 7 7523 = 81/m ³ — 7 873137.00					
SL NO (14/11) P.C.C. laying and rolling of P.C.C. mix surfacing material of 75 mm including all comp.					
Qty - vide TMB P- (14)					
- 1528.50 m ²					
Q 7 196 = 81/m ² — 7 300824.00					
SL NO (15/11) P.C.C. and applying primer coat with bitumen (SSD) on prepared surface including all comp.					
Qty - vide TMB P- (14)					
- 1528.50 m ²					
Q 7 41 = 29/m ² — 7 63112.00					
SL NO (16/10) P.C.C. and applying tack coat with					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Bitumen emulsion (Rs-2)					
on prepared surface					
including all crop					
Qty - vide Tm B p. (15)					
- 1528.50 m ²					
@ ₹ 14.00/m ²				₹	21399.00
SLNO (13/15) i) for Rec Kms stone					
Qty - vide Tm B p. (15)					
- 2 m ³					
@ ₹ 2368 = 48/m ³				₹	4737.00
(ii) 200mm stone					
- 2 m ³					
@ ₹ 623 = 99/m ³				₹	1902.00
SLNO (18/16) for Rec (15)					
Boundary pillars					
all crop					
Qty - vide Tm B p. (15)					
- 50 m ³					
@ ₹ 477 = 24/m ³				₹	23967.00
SLNO (19/17) ii) for affixing					
of cautionary Interlocking					
& mandatory sign board					
including all crop					
Qty - vide Tm B p. (15)					
Electric Bore (Equitator) p					
Qty - 5 m ³					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② Z 1845 = 41/m ² —					Z 24247=00
(ii) Equilateral Δ - 3 m					
② Z 5496 = 02/m ² —					Z 16488=00
(ii) Rectangulars - □					
— 2 m ²					
② Z 1723 = 95/m ² —					Z 9448=00
SL No (20/18) Road laying					
of hot applied thermo					
plastic compound etc					
cont.					
Qty - vide Tm ² P- (15)					
— 89.40 m ²					
② Z 735 = 60/m ² —					Z 65745=00
SL No (21/15) Road laying					
of hot applied					
thermo plastic compound					
etc cont.					
Qty - vide Tm ² P- (15)					
— 40.60 m ²					
Limit to 40.00 m ²					
② Z 820 = 82/m ² —					Z 32833=00
SL No (24/20) Planting					
of trees by road side					
including etc cont.					
Qty - vide Tm ² P- (14)					
— 50 m ²					

Continuation

Continuation