

PMGSY NEN SC PM.B.NO-3274
102 ଅମୃତନାମିକ ଗୁଡ଼ିଆ ଗହଳିଆ ୨୦୧୪ ମସିହା
ପ୍ରାଥମିକ ଶିକ୍ଷା

Measurement Book

Schedule XLV-Form No. 134

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ସମ୍ପ୍ରଦାୟ: ଶାଳିଆ ଗହଳିଆ ଗୁଡ଼ିଆ

DIVISION

ଶାଳିଆ ଗୁଡ଼ିଆ ଗହଳିଆ ୨୦୧୪ ମସିହା

SUB-DIVISION

ପ୍ରାଥମିକ ଶିକ୍ଷା

PM.B.NO-3274

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 - T02 Bompura					
Nahar Pul se Kataiya khas					
Tak.					
Agency - Sandeep kumar					
Date of start of work - 28/05/2020					
Date of completion - 27/05/21					

Measurement

1. setting out pillars

Providing & fixing of
 working benchmark
 — — do — —

(A) working benchmark

pillars — — do — —

ent = 2 NO.

(B) Reference pillars

— — do — —

ent = 7 NO.

2. clearing and grubbing

road land — — do — —

RRS

$2 \times 69 \times 2.5 \times 3.50 = 1207.5 \text{ m}^2$

$\frac{1207.5}{10000} = 1.207 \text{ Hect}$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3. Dismantling of existing structure - do -					
brick masonry from culvert					
				ant = 2	215.33m ³
④ Dismantling of existing structure - do -					
cement concrete					
				ant = 9.45m	3
⑤ Removing all types of house pipe					
- - - do -					
⑥ up to 600mm dia					
				ant = 5m	
⑦ above 600mm to 900mm dia H.P.					
				ant = 25m	
⑧ Box cutting					
Excavation for road/way in soil - do -					
⑨ Be side of BES for provision of flexible road - do -					
RF [2 x 53 x 25 x 0.525 x 0.10 = 139.12m ³					
⑩ Be side of BES for rigid road					
RF [2 x 16 x 25 x 0.375 x 0.10 = 30.0m ³					
Total					169.125m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ construction of embankment					
do					
① For 1000 m lead					
$2 \times 4 \times 25 \times 1.20 \times 0.90$					216
$2 \times 10 \times 25 \times 1.3 \times 0.90$					585
$2 \times 8 \times 25 \times 1.25 \times 0.85$					425
$2 \times 8 \times 25 \times 1.30 \times 0.80$					416
Total					1642m
Limit					1512.59m
③ For 100 m lead					
$2 \times 4 \times 25 \times 1.7 \times 0.9$					306m
$2 \times 8 \times 25 \times 1.5 \times 0.8$					480m
$2 \times 8 \times 25 \times 1.5 \times 0.8$					480
$2 \times 8 \times 25 \times 1.4 \times 0.7$					392
$2 \times 8 \times 25 \times 1.2 \times 0.75$					360
$2 \times 4 \times 25 \times 1.8 \times 1.15$					414
$2 \times 8 \times 25 \times 1.4 \times 0.7$					392
Total					2794m
Limit to					2788.22m
⑧ const of subgrade and earthen shoulders					
do					
9m flexible road side of GSB					
$2 \times 53 \times 25 \times 1.4 \times 0.20$					798m
side of WBM					
$2 \times 20 \times 25 \times 1.2 \times 0.075$					90m

Continuation

Scanned with CamScanner

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9m rigid road					
side of GSB					
2 x 16 x 25 x 0.625 x 0.10 =					50 m ³
side of W Bm					
2 x 16 x 25 x 0.625 x 0.075 =					37.50
			Total		975.50
⑨ const. of granular subbase -- do --					
as per tech. specification					
9m flexible road					
GSB in widening					139.125
2 x 53 x 25 x 0.525 x 0.10 =					149.63
GSB in full width					
53 x 25 x 4.05 x 0.10 =					536.625
For profile correction					
8 x 9 x 3.05 x 0.10 =					21.96
3 x 8.5 x 3.10 x 0.10 =					7.905
9m rigid road					
2 x 16 x 25 x 0.375 x 0.10 =					30
4 x 5 x 3.0 x 0.10 =					6.0
			Total		741.615 m ³
⑩ 1/4 Bm gr - III					
Providing, laying, spreading and compacting stone aggregates -- do --					
32 x 25 x 3.75 x 0.075 =					225 m ³
16 x 25 x 3.75 x 0.075 =					112.50 m ³
			Total		337.50 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) const. of un-reinforced plain cement concrete pavement - do - as per tech. specifi-					
R.F.C.M	8X	25X	3.75X	0.1602	120m ³
	4X	25X	3.80X	0.1602	60.80m ³
	4X	25X	3.85X	0.1602	61.60m ³
	Total				242.40m ³
(12) H-P culvert					
(i) Earthwork in excavation for found.					
	-	-	do	-	
R.F.C.M	H.W	2X	6.450X	1.40X	1.5 = 27.09m ³
	Below pipe	1X	4.850X	1.530X	0.365 = 2.708
					29.798m ³
for 6 th No. of H.P culvert					
	Total amt = 6 th X 29.798 =				178.788m ³
(ii) Providing m-15 P.C.C as leveling course in found - do -					
R.F.C.M	H.W	2X	6.450X	1.40X	0.150 = 2.709
	Below pipe	1X	4.931X	1.530X	0.250 = 1.886
	less for pipe		0.250X	0.7857X	(1.230) X 5.496 = 1.633
	for 6 th No. of H.P culvert				2.962m ³
	Total amt 6X2.962 =				17.772m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(iii) Brick masonry work					
in cm 1:4 ch head					
wall - do -					
H.K. 2 x 6.150 x 0.825 x 2.58 =					26.181
Parapet 2 x 6.150 x 0.400 x 1.2 =					5.904
for tile					
2 x 0.7857 x (1.230) ² x 0.622 =					1.478
Total					30.607m ³
for 6 th No. of H.P. culvert					
Total ent = 6 x 30.607 =					122.428
					183.642m
(iv) Providing and laying					
RCC pipe NP-3 for					
culvert - do -					
3 x 2.50 =					7.50
for 6 th No. of H.P. culvert					
total ent = 6 x 7.50 =					30 m
					45 m
using 25/0.5/2021 JE					
RPSm 27-5-2021 AE					

Continuation

[illegible]

Abstract of cost				
(1) setting out pillars				
(A) working benchmark pillars - do -				
amt = 2 NO. P-(1)				
item - 1(A) @ Rs 3869.45				
= Rs 7739 =				
(B) Reference pillars				
- do -				
amt = 7 NO. P-(1)				
item - 1(B) @ Rs 1781.79				
= Rs 12473 =				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2. clearing & grubbing road land - do -					
Qnt = 1.207 Hect					
P- (1) item - (2)					
@ Rs 49174.86/Hect					
				= Rs	59354 =
③ Dismantling of existing structure - do -					
Qnt = 215.33 m ³ P- (2)					
item - 3 @ Rs 227.35					
				= Rs	48955 =
④ Dismantling of existing structure - do -					
Qnt = 9.45 m ³ P- (2)					
item - (4) @ Rs 470.91 =					
				Rs	4450 =
⑤ Removing all types of hume pipe - do -					
(A) upto 600 mm dia					
Qnt = 5 m P- (2)					
item - 5 (A) @ Rs 168.01 =					
				Rs	840 =
(B) above 600 mm to 900 mm dia H.P					
Qnt = 25 m P- (2)					
item - 5 (B) @ Rs 227.19 = Rs					5680 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) Box cutting					
- - do - -					
amt =	169.125 m ³				
P - (2) item - (6)					
@ Rs	81.18	2	Rs	14582.2	
			Rs	13729.2	
(7) const. of embankment					
- - do - -					
(A) For 1000 m lead					
amt =	1512.59 m ³				
P - (3) item - 7 (A)					
@ Rs	187.47/m ³	2	Rs	283565	
(B) For 160 m lead					
amt =	151.89 m ³			2788.22 m ³	
P - (3) item - 7 (B)					
@ Rs	151.89/m ³	2	Rs	423503	
(8) const. of subgrade of earthen shoulders					
- - do - -					
amt =	975.50 m ³			P - (4)	
item - (8) @ Rs	230.79				
				Rs	225135
(9) const. of granular subbase					
- - do - -					
amt =	741.615 m ³			P - (4)	
item - (9) @ Rs	3072.50/m ³				
				2 Rs	2278612
				Rs	2278612

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) WBM gr- III					
do					
ent = 222.5 m^3				P- (4)	
item - (10) @ Rs 4375.04					1483326=
					= Rs 988884=
(11) const. of un-reinforced plain cement concrete pavement - do					
ent = 2242.40 m^3					
P- (5) item - (11)					
@ Rs 8078.54/m ³					
				2 Rs	1958238
(12) H.P culvert					
(i) Earthwork in excavation for found					
do					
ent = 178.788 m^3				P- (5)	
item - 12 (i) @ Rs 258.89					
					= Rs 30857=
					Rs 46286=
(ii) Providing m-15 PCC as bedding course in found - do					
ent = 11.848 m^3				P- (5)	
item - 12 (ii) @ Rs 5677.03					
					= Rs 67261=
					Rs 100892=

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(iii) Brick masonry work in cm 1:4 in headwall -- do --					
ent = 183.642 m ³					
P- (6) item - 12 (iii)					
@ Rs 5707.63/m ³					Rs 698773=
					Rs 1048160=
(iv) Providing & laying RCC pipe NP-3 for culvert -- do --					
ent = 30m P- (6)					
45m					
item - 12 (iv)					181573=
@ Rs 4034.96/m					2Rs 121048=
					Total Rs 722909
					Total Rs 8182510.
6/11/21 25/05/21 JE	RP 27-7-2021 AE			C&B 29/9/21 BR	

Continuation