

MMGSYSC

M.B.No-3174

Schedule XLV-Form No. 134

एकमा-ताजपुर ग्राम पंचायत महसुद १/११ करि
ताजपुर 2019-20

Ag.No.

DIVISION

सेक्टर: मह कुमर

मी.पारो २१०१५५६७८९ SUB-DIVISION

पकमा

MEASUREMENT BOOK

M.B.No-3174

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work- const. of road					
from Ekma-Tajpur mukhya					
path se makaul Baba					
kabristan tak.					
Name of agency- madhu kumari					
Agreement no- 22 SBD/2019-2020					
Agreement amount- Rs 8881967.00					
Date of start of work- 18/07/2019					
Date of completion - 17/07/2020					

① Box cutting / excavation					
for roadway in soil using					
manual means - do -					
Be side of BES for provision					
of rigid road -					
$2 \times 300 \times 0.375 \times 0.10 = 22.50 \text{ m}^3$					
② const. of embankment					
with material obtained					
from borrow pits -					
- do - do -					
per tech. specification					
(i) For 100m lead					
$2 \times 8 \times 25 \times 1.10 \times 0.80 = 320 \text{ m}^3$					
$2 \times 2 \times 25 \times 1.10 \times 0.90 = 99 \text{ m}^3$					

Continuation Total 419.00 m³Limit to 406.63 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(ii) For 100 m lead					
$2 \times 5 \times 25 \times 1.2 \times 1.1 =$					330 m ³
(3) const. of subgrade and earthen shoulders					
do					
side of WBM (flexible road)					
$2 \times 875 \times 1.20 \times 0.075 =$					157.50 m ³
In rigid road					
side of WSB					
$2 \times 300 \times 0.625 \times 0.10 =$					37.50
side of WBM					
$2 \times 300 \times 0.625 \times 0.075 =$					28.13
side of CC road					
$2 \times 300 \times 0.625 \times 0.160 =$					60.00
					Total 283.13 m ³
(4) const. of WSB by providing coarse graded material					
do					
as per technical specifi-					
For rigid portion					
WSB in box cutting portion					
$2 \times 300 \times 0.375 \times 0.10 =$					22.50
extra widening $5 \times 8 \times (4.25 - 3.75) \times 0.10 =$					2.40
For profile correction					
$6 \times 4 \times 3.0 \times 0.1 =$					7.2 m ³
					Total 29.70 m ³
					30.10 m ³
(A) Limit to					27.45 m ³
For flexible portion					
Extra widening $2 \times 3.0 \times 2.5 \times (4.65 - 4.05) \times 0.1 =$					9.00
					4.90
(B) Continuation Limit to					8.93 m ³
Total A+B					36.38 m ³

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) WBM ga-II					
Providing, laying, spreading and compacting stone - - -					
as per technical specific -					
(A) for flexible portion					3
35 X 25 X 3.75 X 0.075 =					246.09 m ³
for extra widening					
2 X 3 X 2.5 X (4.65 - 4.05) X 0.075 =					
2 X 55 X (4.35 - 3.75) X 0.075 =					4.95
Total					251.04 m ³
Limit to					251.02 m ³
(B) For rigid portion					
10 X 30 X 3.75 X 0.075 =					84.38
for extra widening					
5 X 8 X (4.35 - 3.75) X 0.075 =					0.36
					1.80
Total					86.18 m ³
Limit to					86.06 m ³
Adding (A) + (B)					
251.02 + 86.06 =					337.08 m ³
(6) Const of unreinforced plain cement concrete pavement - - -					
as per technical specific					
10 X 30 X 3.75 X 0.16 =					180.0 m ³
extra widening					

Continuation

$$5 \times 8 \times (4.35 \times 3.75) \times 0.16 = 3.84$$

$$\text{Total } 183.84 \text{ m}^3$$

$$\text{Limit to } 183.60 \text{ m}^3$$

P. T. O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
H.P. culvert					
① Earth work in excavation for found. of structure					
H.W	2	6.450	1.40	1.50	$= 27.090 \text{ m}^3$
Below pipe	1	4.850	1.530	0.365	$= 2.768 \text{ m}^3$
				Total	29.798
for 2 No.					$2 \times 29.798 = 59.596$
② Providing m-15 as welling course in found.					
H.W	2	6.450	1.4	0.150	$= 2.709$
Below pipe	1	4.931	1.53	0.250	$= 1.886$
Less for pipe					$0.25 \times 0.7857 \times (1.230)^2 \times 5.496 = 1.633$
Net				Total	2.962 m^3
for 2 No.					$2 \times 2.962 = 5.924 \text{ m}^3$
③ Brick masonry work in cm 1:4 in head wall - do -					
as per technical specifi.					
H.W	2	6.150	0.825	2.580	$= 26.181$
Private	2	6.150	0.40	1.20	$= 5.904$
Less for pipe	2	0.7857	(1.230)	0.622	$= 1.478$
				Total	30.607 m^3

Continuation

for 2 No., $2 \times 30.607 = 61.214 \text{ m}^3$

P.T.O

Continuation

Sch. XLV—Form No. 134

Sch. XLV—Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
① setting out pillars					
① providing & fixing of working bench mark					
— — do — —					
qnt vide TMB Page-⑥					
itm-⑩ = 1 No.					
@ Rs 4022.00/No. = Rs 4022.00					
② Reference pillar					
qnt. 5 No. — page-⑧					
itm-⑫ @ Rs 1845.50					
= Rs 9228.25					
③ clearing & grubbing road					
cond. — — do — —					
qnt. 0.82 Hectare					
Page-⑥ itm-③½					
@ Rs 50148.62/Hect. =					
Rs 41122.20					
④ Box cutting					
Excavation for road					
way in soil — — do — —					
qnt. 91.875 m ³ page-⑦					
itm-④½ + 22.50 m ³					
page-⑪ itm-①					
= 91.875 + 22.50 = 114.375					
@ Rs 75.43/m ³ = Rs 8627.25					

Continuation

C/TOTAL Rs 62999.25

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) const. of embankment with material					
do. do. do.					
(i) for 1000m lead					
Qnt. 406.63 m ³					Page- (11)
item - (2) @ Rs 155.23/m ³					
					2 Rs 631212
(ii) For 100 m lead					
Qnt. 706.50 m ³					Page- (7)
item - (5/7) + 330 m ³					
Page- (12) item 2(i)					
= 706.50 + 330.00 m ³					
= 1036.50 m ³					
Limit to 1011.26 m ³					
@ Rs 130.88/m ³					= Rs 1323542
(5) const. of subgrade and earthen shoulder					
do.					
Qnt. 490 m ³					Page- (7)
item - (5/8) + 283.13 m ³					
Page- (12) item - (3)					
= 490 + 283.13					
= 773.13 m ³					@ Rs 195.94/m ³
					= Rs 1514872
(6) const. of G.S.R by providing coarse graded material					

Continuation

C/o Total Rs 4099612

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
as per technical specification					
Qnt. = 459.59 m ³					
page - (7) item (8/9)					
+ 36.38 m ³ page - (12)					
item - (4) =					
459.59 + 36.38					
= 495.97 m ³					
@ Rs 2996.61/m ³					
					= Rs 1378351
					Rs 1486229
(7) WBM 98-III					
Providing, laying					
spreading as per compaction					
store - - do - -					
as per technical specification					
Qnt. = 337.08 m ³ page - (13)					
item - (5) @ Rs 4454.63					
					= Rs 1501566
					= Rs 1501566
(8) const. of unreinforced					
plain cement concrete					
pavement - - do - -					
Qnt. = 183.60 m ³ page - (13)					
item - (1) @ Rs 8154.35/m ³					
					= Rs 1497138

Continuation

C/O Total Rs 4894894

P. T. O

4511379

4894894

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
H-P culvert					
⑨ Earthwork in excavation for found. of structure					
— do —					
Qnt. 89.394 m ³ Page-(4)					
itm - (7/1) + 59.596 m ³					
Page - (14) itm - (7)					
= 148.99 m ³ @ Rs 264.02					
					= Rs 393362
⑩ Providing m-15 RCC as leveling course					
— do —					
Qnt. 8.886 m ³ Page-(7)					
itm - (8/28) + 5.924 m ³					
Page - (14) itm - (8)					
= 14.81 m ³ @ Rs 5732.94/m ³					
Rs 14.82					= Rs 84901
					89898
⑪ Brick masonry work in cm (1:1) in half wall					
— do —					
Qnt. 91.821 m ³ Page-(8)					
itm - (9/38) + 61.214 m ³					
Page - (14) itm - (9)					
= 153.035 m ³ @ Rs 6027.17					
					= Rs 922368

Continuation

C/O Total Rs 59411499

P.T.O

5557594
5941946

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) Providing and laying RCC pipe NP-3 — — — — —					
Qnt. 22.5m					Page- (8)
itm - (10/4) + 15.0m					
Page- (15) itm - (10)					
= 22.5 + 15.0					37.50
= 37.50m					@ Rs 4078.91
					= Rs 1529592
(13) Plastering with Cement mortar (1:4) on brick work — — — — —					
Qnt. 200.553m ²					Page- (8)
itm - (11/5) + 133.702m ²					
Page- (15) itm - (11)					
= 334.255m ²					@ Rs 169.67
					= Rs 567132
(14) Providing 1.5mm Cement putty — — — — —					
Qnt. 412.66m ²					Page- (8)
itm - (12/6) @ Rs 49.48					
					= Rs 211120

Continuation

C/o Total Rs 61532822

P.T.O

5769711
51 515224

Continuation