

171.340 - 3274

102 अथवा 106 गुण सहित 2014 तक पर

Measurement Book

Schedule XLV-Form No. 134

02
Schedule XLY-Form NO
4923-877 42/4 3412

DIVISION

27/10/2019

SUB-DIVISION

1870-6274

[illegible]

(1)	clearing & grubbing road land				
	$2 \times 4 \times 25 \times 3.50 = 700$				$\frac{7}{100} m$
	$= \frac{700}{10000}$		$= 0.07$		$0.07 hect$
(2)	Box cutting				
	$2 \times 4 \times 25 \times 0.525 \times 0.10 = 10.50$				m^3
(3)	const. of subgrade & earthwork shoulder				
	$2 \times 4 \times 25 \times 1.410 \times 0.20 = 56$				m^3
	$2 \times 3.7 \times 25 \times 1.20 \times 0.075 = 166.50$				m^3
	$2 \times 16 \times 25 \times 0.625 \times 0.160 = 80$				m^3
	$2 \times 16 \times 25 \times 0.250 \times 0.125 = 25$				m^3
	Total				$321.50 m^3$

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ const. of granular subbase					
— do —					
$2 \times 4 \times 25 \times 0.5$			$25 \times 0.10 =$		$10.50m^3$
$4 \times 25 \times 4.05 \times 0.10 =$					$40.50m^3$
			Total		$51.0m^3$
⑤ WBM gr - III					
Providing, laying, spreading and compacting stone					
— do —					
$25 \times 25 \times 3.75 \times 0.075 =$					$175.781m^3$
$2 \times 5 \times 15 \times 0.50 \times 0.075 =$					$5.625m^3$
			Total		$181.406m^3$
⑥ Prime coat					
— do —					
$57 \times 25 \times 3.75 =$					$5343.75m^2$
$2 \times 5 \times 15 \times 0.50 =$					$75m^2$
$2 \times 5 \times 11 \times 0.50 =$					$55.0m^2$
			Total		$5398.75m^2$
			Limit to		$5397.19m^2$
⑦ Tack coat					
— do —					
$57 \times 25 \times 3.75 =$					$5343.75m^2$
$2 \times 5 \times 11 \times 0.50 =$					$55.0m^2$
			Total		$5398.75m^2$
			Limit to		$5397.19m^2$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) Mix seal surfacing					
Providing, laying and					
rolling of class-graded					
premix surface					
— do —					
57 X 25 X 3.75 =					5343.75m ²
2 X 5 X 11 X 0.50 =					55m ²
			Total		5398.75m ²
			Limit to		5397.19m ²
(9) Hard shouldering					
— do —					
2 X 16 X 25 X 0.250 =					200m ²
(10) Kilometer stone					
(i) km stone — do —			ent =		3 No.
(ii) 200m stone — do —			ent =		7 No.
(11) Boundary pillar					
— do —			ent =		160 No.
(12) Traffic sign					
— do —					
(i) 600mm circular board			ent =		14 No.
(ii) 700mm equilateral					
— do —			ent =		8 No.
(iii) 600mm x 450mm rectangular board — do —			ent =		6 No.

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) Road marking with hot applied Thermo-plastic compound on BT					
do					
2X 57X 25X			0.10 =		285m ²
(14) Road marking with hot applied Thermoplastic compound on concrete surface					
do					
2X 16X 25X			0.10 =		80m ²
(15) Direction & place identification sign					
do					
				ant =	1 NO.
(16) Providing & fixing of typical masonry informatory sign board with logo					
do					
				ant =	4 NO.
H.P. culvert					
(17) (i) Earthwork in excavation for foundation					
do					
2X 6.450 X 1.40 X 1.5					27.09m ³
1X 41.850 X 1.530 X 0.365					2.708m ³
Total					29.798m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(ii) Providing M-1 S.P.C. as levelling course do					
$2 \times 6.450 \times 1.40 \times 0.15 =$					$2.709 m^3$
$1 \times 4.931 \times 1.530 \times 0.250 =$					$1.886 m^3$
$0.250 \times 0.7857 \times (1.230)^2 \times 5.496$					
					$= -1.633$
			Total		$2.962 m^3$
(iii) Brick masonry work in cm 1:4 in head wall do					
$2 \times 6.150 \times 0.825 \times 2.58 =$					26.181
$2 \times 6.150 \times 0.400 \times 1.2 =$					5.904
$2 \times 0.7857 \times (1.230)^2 \times 0.622 =$					
					$\ominus 1.478$
			Total		$30.607 m^3$
(iv) Providing and Laying RCC pipe NP-3 for do					
$3 \times 2.50 =$					$7.50 m$
(v) Plastering with cement mortar do					
$2 \times 6.150 \times 3.780 =$					$46.494 m^2$
$2 \times 6.150 \times 0.600 =$					$7.380 m^2$
$2 \times 6.150 \times 0.400 =$					$4.920 m^2$
$4 \times 0.825 \times 2.580 =$					$8.514 m^2$
$4 \times 0.400 \times 1.20 =$					$1.920 m^2$
$2 \times 0.7857 \times (1.230)^2 =$					$\ominus 2.377 m^2$
Continuation					
			Total		$66.851 m^2$
For total 7 culvert					
Total amt					$= 7 \times 66.851 = 467.957 m^2$

Continuation

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Setting out pillars					
① working bench mark pillar					
do					
ent = 2 No. P- (7) item - (1A)					
@ Rs 3869.45 = Rs 7739					
② Reference pillars					
do					
ent = 7 No. P- 7 item					
- (1B) @ Rs 1781.79 = Rs 12473					
② clearing & grubbing					
road land - do -					
ent = 1.207 hect P- (8)					
item - (2) (+) ent = 0.07 hect					
P- (13) item - (1)					
- 1.207 + 0.07 = 1.277 hect					
@ Rs 49174.86/hect Rs 62796					
③ Dismantling of existing structure - do -					
ent = 215.33 m ³ P- (8)					
item - (3) @ Rs 227.35					
= Rs 48955					
④ Dismantling of existing structure - do -					
ent = 9.45 m ³ P- (8)					
item - (4) @ Rs 470.91 = Rs 4450					
⑤ Removing all types of					
hume pipe					
do					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(A) upto 600 mm dia					
ant = 5 m P-(8)					
itm - 5(A) @ Rs 168.01					
				= Rs	8402
(B) above 600 mm to 900 mm dia H.P					
ant = 25 m P-(8)					
itm - 5(B) @ Rs 227.19					
				= Rs	56802
(C) Box cutting					
ant = 169.125 m ³					
P-(9) itm - (C) + 10.50 m ³					
P-(13) itm - (2)					
= 169.125 + 10.50					
= 179.625 m ³ @ Rs 81.18					
				= Rs	145822
(7) const. of embankment					
do					
(A) For 1000 m lead					
ant = 1512.59 m ³ P-(9)					
itm - 7(A) @ Rs 187.47/m ³					
				= Rs	2835652
(B) For 100 m lead					
ant = 2788.22 m ³ P-(9)					
itm - 7(B) @ Rs 151.89/m ³					
				= Rs	4235032

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) const. of subgrade & earthen shoulder do					
ent = 975.50 m ³ P-(9)					
itm - (8) + ent = 327.50 m ³					
P- (13) itm - (3)					
= 975.50 + 327.50					
= 1303 m ³					
Limit to 1247 m ³					
@ Rs 230.79 / m ³ = Rs					287795
(9) const. of granular subbase - do - -					
ent = 741.615 m ³ P-(9)					
itm - (9) + ent = 51 m ³					
P- (14) itm - (4)					
= 741.615 + 51 = 792.615 m ³					
Limit to 792.05					
@ Rs 3072.50 / m ³ = Rs					2433574
(10) W.B.M gr - III do					
ent = 337.50 m ³ P- (10)					
itm - (10) + ent = 181.406 m ³					
P- (14) itm - (5)					
= 337.50 + 181.406 m ³					
= 518.906 m ³					
Limit to 518.42 m ³					
@ Rs 4395.04 / m ³ = Rs					2278476

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) cont. of un-reinforced plain cement concrete pavement -- do --					
amt = 242.40 m ³ P-(10)					
itm - (11) @ Rs 8078.54/m ³					
				= Rs	1958238=
(12) H.P culvert					
(i) Earthwork in excavation for found					
amt = 178.788 m ³ P-(10)					
itm - 12 (i) + 29.798 m ³					
P- 16 itm - 17 (i)					
= 178.788 + 29.798					
= 208.586 m ³ @ Rs 258.89					
				= Rs	54000=
(ii) Providing m-15 PCC as levelling course					
amt = 17.772 m ³ P-(10)					
itm - 12 (ii) + 2.962 m ³					
P-(17) itm - 17 (ii)					
= 17.772 + 2.962					
= 20.734 m ³ P@t					
@ Rs 5677.03/m ³ = Rs					117707=
(iii) Brick masonry work in cm 1:4 in					
head wall -- do --					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ant =	183.642	m ³	P-(11)		
itm - 12 (iii) + ant =					
30.607	m ³	P-(17)			
itm - 16 16 (iii)					
= 183.642 + 30.607					
= 214.249	m ³				
@ Rs 5707.63			= Rs	1222854	
(iv) Providing & laying					
RCC pipe NP-3					
do					
ant = 45m	P-(11)				
itm - 12 (iv) + ant = 7.50m					
P-(17) itm - (iv)					
= 45 + 7.50 = 52.50m					
@ Rs 4034.96/m			= Rs	211835	
(v) Plastering with cement					
mortar - do					
ant = 467.950	m ²	P-(17)			
itm - 17 (v)					
@ Rs 162.97	/m ²		= Rs	76261	
(vi) Providing 1.5 mm					
cement punning					
do					
ant = 99.54	m ²	P-(18)			
itm - 17 (vi) @ Rs 48.03					
= Rs				4780	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(vii) Painting two coats on new concrete surface					
ant = 813.64					
P- (18) itm - 17 (vii)					
@ Rs 108.50/m ² = Rs 88280=					
(13) Prime coat					
ant = 5397.19 m ²					
P- (14) itm - 60 @ Rs 54.70					
= Rs 295226=					
(14) Tack coat					
ant = 5397.19 m ²					
P- (14) itm - 10 @ 7					
@ Rs 18.39/m ² = Rs 99254=					
(15) mix seal surfacing					
ant = 5397.19 m ²					
P- (15) itm - 8					
@ Rs 275.71/m ² = Rs 1488059=					
(16) Hard shouldering					
ant = 200 m ²					
P- (15) itm - 9 @ Rs 477.91					
= Rs 95582=					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) Kilometer stone					
(i) km stone					
ant = 3 No. P- 15					
itm - 10 (i)					
@ Rs 2341.41 = Rs 7024 =					
(ii) 200 m stone					
ant = 7 No. P- (15)					
itm - 10 (ii)					
@ Rs 656.91 = Rs 4598 =					
(18) Boundary pillar					
- - - do - - -					
ant = 160 No. P- (15)					
itm - (11) @ Rs 521.38					
= Rs 83421 =					
(19) Traffic sign					
(i) 600 mm circular board - - do - -					
ant = 14 No. P- (15)					
itm - 12 (i)					
@ Rs 5656.77 = Rs 79195 =					
(ii) 900 mm equilateral - - do - -					
ant = 8 No. P- (15)					
itm - 12 (ii) @ Rs 6301.69					
= Rs 50414 =					
(iii) 900 600 mm x 450 mm rectangular board					
- - do - -					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ant = 6 No. P- (15)					
itm - 12 (iii) @ Rs 5501.63					
				= Rs	330102
(20) Road marking with hot applied Thermo-plastic compound on BT surface - do -					
ant = 285m ² P- (16)					
itm - (13) @ Rs 924.59					
				= Rs	263508
(21) Road marking with hot applied Thermo-plastic compound on concrete surface - do -					
ant = 80m ² P- (16)					
itm - (14) @ Rs 1027.72					
				= Rs	822182
(22) Direction & Place identification sign - - - do -					
ant = 1 No. P- (16)					
itm - (15)					
@ Rs 3458.54 = Rs					34582
(23) Providing & fixing of typical masonry informatory signboard with logo - do -					

Continuation