

MB No:- 3487

TDS अमरावती  
X

**Schedule XLV Form No. 134.**

~~क्षेत्रों का विभाजन~~

DIVISION

SUB-DIVISION

**Measurement Book**

I stand final bill

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 -	T05	To			
Landmark -	Lawari				
Agency -	Nikhil Kumar Singh				
Agreement no -	119	SBD		2020-21	
Date of start of work -	13		06		2021
Date of completion -	12		03		2022
Actual date of completion -	10		03		22

## Measurement

1. Setting out pillars

— do — out = 0.270km<sup>3</sup>

2. Clearing & grubbing road

land — do —

$2 \times 9 \times 30 \times 1.0 = 540\text{m}^2$

$= \frac{540\text{m}^2}{10000} = 0.05\text{hect}$

— — — 0.05 hect

3. Box cutting

— — — 58

$2 \times 9 \times 30 \times 0.375 \times 0.10 = 20.25\text{m}^3$

(4) const. of embankment with material : do —

$30 \times 0.8 \times 0.6 = 14.4\text{m}^3$

Limit to  $12.15\text{m}^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5. const. of embankment with material obtained					
	—	— do —			
	$2 \times 8 \times 30 \times 1.2 \times 0.85 = 489.60 m^3$				
		Umitto	$470.69 m^3$		
6. const. of subgraded earthen shoulders					
	—	— do —			
	$2 \times 9 \times 30 \times 1.0 \times 0.125 = 67.50 m^3$				
	$2 \times 9 \times 30 \times 0.625 \times 0.075 = 25.31 m^3$				
	$2 \times 9 \times 30 \times 0.625 \times 0.160 = 54.0 m^3$				
		Total	$146.81 m^3$		
7. const. of granular sub- base					
	—	— do —			
	$2 \times 9 \times 30 \times 0.375 \times 0.10 = 20.25 m^3$				
	$1 \times 10 \times 0.5 \times 0.10 = 0.5 m^3$				
8. WBM g8 - III			Total	$20.75 m^3$	
providing, laying, spreading and compacting stone aggregates					
	—	— do —			
	$8 \times 30 \times 3$				
	$1 \times 30 \times \frac{(6.30 + 3.6)}{2} = 148.5 m^2$				
	$20 \times 3.60 = 72 m^2$				
	$25 \times \frac{(3.60 + 5)}{2} = 107.50 m^2$				
	$25 \times \frac{(5 + 4.8)}{2} = 122.50 m^2$				
	$2 \times 2.5 \times 3.75 = 187.50 m^2$				
	$2 \times 2.5 \times \frac{(3.4 + 3)}{2} = 160 m^2$				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	$2 \times 2.5 \times 3.35 =$				
	$2 \times 2.5 \times 3.25 =$				$162.50m^2$
					$\text{Total} = 960.50m^2$
	$\therefore \text{amt} = 960.50m^2 \times 0.075m$				
(4)		$= 960.50 \times 0.075$			
					$= 72.037m^3$

(9)	const. of un-reinforced				
	plain cement concrete				
	do				
	$30 \times (6.30 + \frac{3.6}{2}) = 148.50m^2$				
	$20 \times 3.60 = 72m^2$				
	$25 \times (3.60 + \frac{5.0}{2}) = 107.50m^2$				
	$25 \times (\frac{5}{2} + 4.8) = 122.50m^2$				
	$2 \times 2.5 \times 3.75 = 187.50m^2$				
	$2 \times 2.5 \times (3.4 + \frac{3}{2}) = 160m^2$				
	$2 \times 2.5 \times 3.25 = 162.50m^2$				
	$25 \times 3.35 = 83.75m^2$				
	Total $1044.25m^2$				
	$\therefore \text{amt} = 1044.25m^2 \times 0.160m^3$				
	$= 167.08m^3$				
	Limit to $165.24m^3$				
	$\therefore \text{amt} = 165.24m^3$				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) Providing and laying of a reinforced cement concrete pipe	—	—	do	—	
					cnt = 7.50 m
(11) Boundary pillar	—	—	do	—	
					cnt = 22 No.
(12) Kilometer stone	—	—	do	—	
					cnt = 1 No.
(i) Km stone —	—	—	—	—	cnt = 2 No.
(ii) 200 m stone —	—	—	—	—	cnt = 1 No.
(13) Providing & fixing of retro-reflective cautionary, mandatory & informative sign	—	—	do	—	
(i) 800 mm x 600 mm rectangular board	—	—	—	—	cnt = 1 No.
(ii) 600 mm x 450 mm rectangular board	—	—	—	—	cnt = 1 No.
(iii) 900 mm side octagon	—	—	—	—	cnt = 1 No.



# Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Setting out pillars					
	—	— do —			
cont = 0.270 Km	Page	(1)			
item - (1) @ Rs 1280/-					
		= Rs 3456/-			
(2) Clearing & grubbing					
road land	— do —				
cont = 0.05 hect. <sup>2</sup> - (1)					
item - (2) @ Rs 52970.33					
		= Rs 2860/-			
(3) Box cutting					
	— do —				
cont = 20.25 m <sup>3</sup> P - (1)					
item - (3) @ Rs 130.83					
		= Rs 2649/-			
(4) const. of embankment					
with material	do —				
cont = 12.15 m <sup>3</sup> P - (1)					
item - (4) @ Rs 96.75	Rs	1176/-			
(5) const. of embankment					
with material					
obtained — do —					
cont = 470.69 m <sup>3</sup> P - (2)					
item - (5) @ Rs 197.04					
		= Rs 92745/-			
(6) const. of subgrade &					
earthen shoulder					
	do —				
cont = 146.81 m <sup>3</sup> P - (2)					
item - (6) @ Rs 183.34/-					
		Rs 26916/-			

continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) const. of granular subbase - do					
cont = $20 \cdot 25 \text{ m}^3$ P - (2)					
item - (7) @ Rs 3312.90					
					= Rs
cont = $20 \cdot 75 \text{ m}^3$ P - (2)					
item - (7) Umit + do					
$20 \cdot 66 \text{ m}^3$ @ Rs 3312.90					
					= Rs 68445 =
(8) WBm ge - III					
- - - do					
cont = $72 \cdot 037 \text{ m}^3$ P - (3)					
item - (8) @ Rs 4565.15					
					= Rs 333
					Rs 328860 =
(9) const. of un-reinforced plain cement concrete					
- - - do					
cont = $165 \cdot 24 \text{ m}^3$ P - (3)					
item - (9) @ Rs 8190.70					
					= Rs 1353431 =
(10) Providing & laying of a reinforced cement concrete pipe					
- - - do					
cont = $7 \cdot 50 \text{ m}$ P - (4)					
item - (10) @ Rs 935.76					
					= Rs 7018 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Boundary pillar					
	—	do			
cont = 22 No.	P - (4)				
item - (11) @ Rs	525 =				
		Rs	11550 =		
(12) Kilometer stone					
	—	do			
(i) Km stone					
cont = 2 No.	P - (4)				
item - 12 (i) @ Rs	2372				
		2 Rs	4744 =		
(ii) 200m stone					
	—	do			
cont = 1 No.	P - (4)				
item - 12 (ii) @ Rs	638.48				
		= Rs	638 =		
(13) Providing & fixing of retro-reflectoised cautionary, mandatory					
(i) 800 mm x 600 mm rectangular board					
	—	do			
cont = 1 No.	P - (4)				
item - 13 (i) @ Rs	6531.20				
		= Rs	6531 =		
(ii) 600mm x 450mm rectangular board					
	—	do			

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ent = 1 No. P - (4)					
item - 13 (ii) @ Rs 4579.50					= Rs 4580/-

(iii) 900 mm side octagon

ent = 1 No. P - (4)					
item - 13 (iii) @ Rs 8315.62					= Rs 8316/-

#### (14) Providing and erecting

direction & place

identification - do -

ent = 3 No. P - (5)

item - (14) @ Rs 10190.98

= Rs 30573/-

#### (15) Road marking with

hot applied Thermo-

plastic compound

- do -

ent = 54 m<sup>2</sup> P - (5)

item - (15) @ Rs 859.51

= Rs 46414/-

#### (16) Providing & fixing

of typical miners

informatory sign

board with ways

- do -

ent = 4 No. P - (5)

item - (16) @ Rs 10306.70

= Rs 41227/-

Continuation

C/I Total Rs 2042129/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	131F	Rs	20	42129=	
			Total	Rs 2042129=	
Actual T-121.	(+)	Rs	245055=		
Actual Labour Cens	141. (+)	Rs	20421=		
Actual Signorage fee	(+)	Rs	23840=		
		Total	Rs 2331445=		
Less 21% as per agreement	(-)	Rs	489603=		
		Total	Rs 1841842=		

Singh 10/03/22  
 Bhakwan 10/03/22  
 TE  
 C & P  
 A  
 31/3/22  
 302-2

### material statement

$$(1) E/W = 629.65 \text{ m}^3$$

$$(2) stone metal = 254.405$$

$$= 254.405 \text{ m}^3$$

$$(3) coarse sand = 82.277 \text{ m}^3$$

$$(4) stone screening = 17.288 \text{ m}^3$$

Work has been completed

as per tech specification.

Singh 10/03/22  
 Bhakwan 10/03/22  
 TE  
 C & P  
 A  
 31/3/22  
 302-2