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Yerigal
101 TPF

Executive Engineer
PWD Works Division
199 Perahadayal
1-7-27

Sch. XLV - Form No. 134

4025992007 DIVISION

206271 40129 SUB-DIVISION

Measurement Book

No.

1133

Name _____

Date of first entry _____

Date of last entry _____

3rd Year Maintenance

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work- Maintenance of road from Mahnada road to Musahar Toli under MMSYS-X Agency - K.R. and Sons Infra Service Private Limited					
Agreement No. 09 SBD/2020-21					
Date of start- 28/08/2020					
Date of completion- 27/05/2021					
Actual date of completion- 25/05/2021					
3rd year Maintenance 26/05/2023 to Period 25/05/2024					

① Maintenance of earthen shoulder

1	X	8.10	X	1.20	=	9.72	M ²
2	X	10.10	X	1.25	=	26.25	M ²
2	X	7.50	X	0.90	=	13.50	M ²
2	X	8.40	X	1.15	=	18.40	M ²
1	X	6.80	X	1.15	=	7.82	M ²
2	X	7.50	X	1.10	=	16.50	M ²
2	X	9.00	X	1.25	=	22.50	M ²
1	X	5.40	X	0.75	=	3.75	M ²
3	X	6.10	X	1.10	=	19.80	M ²
2	X	7.40	X	1.25	=	26.25	M ²
3	X	5.00	X	0.85	=	12.75	M ²
1	X	8.25	X	1.10	=	9.07	M ²
2	X	6.50	X	1.10	=	14.30	M ²
2	X	9.40	X	1.15	=	20.70	M ²

Continuation

221.31 M²

(2) Restoration of Rain

creels

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X	6.50	X 0.90	X 0.30 =	1.75H	
2 X	8.40	V 1.20	X 0.25 =	4.80H	
1 X	7.20	X 1.10	X 0.30 =	2.38H	
1 X	5.50	V 0.80	X 0.30 =	1.32H	
2 Y	8.40	X 1.25	X 0.30 =	6.10H	
1 X	7.00	X 1.28	X 0.25 =	2.24H	
1 X	9.25	X 1.20	X 0.30 =	3.33H	
2 X	11.50	V 1.25	X 0.25 =	7.19H	
1 X	4.60	V 1.25	V 0.30 =	1.80H	
1 Y	10.40	V 1.20	V 0.25 =	3.00H	
1 X	7.50	V 1.10	X 0.25 =	2.06H	
2 X	9.50	X 1.25	X 0.25 =	5.94H	
1 X	8.10	X 1.25	X 0.25 =	2.53H	
2 Y	8.85	V 1.20	V 0.30 =	6.37H	
2 X	11.00	V 1.25	X 0.30 =	50.41H	
					8.25H
					58.66H

(3) Maintenance of bituminous

surface

(i) Repair to potholes

1 X	1.80	X 0.90 =	1.62H
1 X	2.50	X 1.25 =	3.12H
1 X	3.91	X 1.50 =	4.50H
2 X	2.10	V 1.25 =	5.25H
2 X	3.40	V 1.50 =	9.00H
1 X	2.40	V 1.25 =	2.50H
2 X	2.40	X 1.20 =	4.80H

Continuation

30.79H

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
				30.79M
1	X	2.50	V 1.50 =	3.75M
2	V	2.00	V 1.25 =	7.50M
2	V	3.75	V 1.75 =	13.12M
1	V	2.50	X 1.28 =	3.20M
				58.36M

(ii) Patch repair:-

Q - same as above = 58.36M

(g) Maintenance of earthen

Shoulder

3	X	10.00	X 1.20 =	24.00M
4	X	7.40	X 1.15 =	32.20M
2	X	6.50	X 1.10 =	14.30M
2	X	8.00	X 1.15 =	18.40M
1	X	5.40	X 1.10 =	5.50M
1	X	10.00	V 1.20 =	12.00M
1	X	9.50	V 1.10 =	10.45M
				16.85M

(5) (i) Maintenance of H.P.

curved

3 Nax

(ii) White washing on
plastered walls

Top - 3 Nax X 2 X 6.15 X 0.40 = 14.76M

Ends - 3 Nax X 4 X 0.40 X 0.60 = 2.88M

Side - 3 Nax X 4 X 6.15 X 0.60 = 44.28M

61.92M

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6)(i) cutting of branches of trees					2 Nay
(6)(ii) cutting of shrubs					9 Nay
(7) Trimming of grass					
	2 x 10 x 30 x 0.60 =				360.00ft
	2 x 10 x 30 x 0.50 =				300.00ft
	2 x 8 x 30 x 0.57 =				273.60ft
					933.60ft
(8) Maintenance of Trees by the road side					84 Nay
(9) Brown, laying Road Marking					
BT Portion -					
	2 x 10 x 30 x 0.100 =				60.00ft
	2 x 10 x 30 x 0.100 =				60.00ft
	2 x 7 x 30 x 0.100 =				42.00ft
	2 x 1 x 20 x 0.100 =				4.00ft
CC Portion -					
	2 x 1 x 30 x 0.100 =				6.00ft
					172.00ft
(10)(i) Maintenance of road signs					0.43 Km
(ii) Maintenance of 200m stone					0.86 Km
	28.6.24.				28/6/24 AC
J.E.					

Continuation

Proposed by

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Restoration of Rain cuts					
	$\alpha - V T n B P 15(2) = 58.46 \text{ ft}$				6.98 ha
	$c P - 4.06 \cdot 82 / 17 P - 23864 \text{ za}$				
② Maintenance of earthen shoulder					
	$\alpha - V T n B P 14(1) = 221.31 \text{ ft}$				1.45 ha
	$P 16(1) = 116.85 \text{ ft}$				
	$c P - 6.1 \cdot 70 / 17 P - 338.16 \text{ ft}$				
	$c P - 6.1 \cdot 70 / 17 P - 20864 \text{ za}$				
③ Maintenance of biminiess surface					
(i) Repair to bottom					
	$\alpha - V T n B P 15(3) = 58.36 \text{ ft}$				
	$c P - 393.43 / 17 P - 229.6 \text{ za}$				
(ii) Patch repair:-					
	$\alpha - V T n B P 15(3) = 58.36 \text{ ft}$				
	$c P - 269.68 / 17 P - 157.39 \text{ za}$				
④ Maintenance of H.P. culvert					
	$\alpha - V T n B P 16(5) = 3 \text{ nos}$				
	$c P - 1130.27 \text{ nos} P - 3392 \text{ za}$				
⑤ White washing on isolated area					
	$\alpha - V T n B P 16(5) = 61.92 \text{ ft}$				
	$c P - 16.89 / 17 P - 1040 \text{ za}$				
⑥ cutting of branches of trees					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Q-VTMBP 17 ⑥ = 2 Hect					
c R 109 = 74/each R - 219 = 0					
⑦ cutting of shrubs					
Q-VTMBP 17 ⑥ = 9 Hect					
c R 6.73/each R - 61 = 0					
⑧ Trimming of grass					
Q-VTMBP 17 ⑦ = 933.60 H					
c R 2.24 / H R - 209 = 0					
⑨ Maintenance of Trees by the road side					
Q-VTMBP 17 ⑧ = 84 Hect					
c R 574.05/each R - 48220 = 0					
⑩ Paving and laying Road					
Marking					
Q-VTMBP 17 ⑨ = 172.00 H					
c R - 735.44/H R - 126496 = 0					
⑪ Maintenance of road side					
Q-VTMBP 17 ⑩ = 0.43 Km					
c R - 1077.81/Km R - 463 = 0					
⑫ Maintenance of 200m stone					
Q-VTMBP 17 ⑪ = 0.86 Km					
c R - 702 = 291 Km R - 604 = 0					
R 266014 = 0					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.R.	R.	2 66 0 1420	
Add'l	121.	C18-(+)		3 192220	
Add'l	1/1.	labour cost(+)		2 660=00	
Add'	self storage fee(+)			1 170200	
			R	3 0 1,76620	
Less o.	111.	behus(-)		332200	
		R		3 0 1,434=00	
<u>Net.</u>				301000 = 0	
28.6.24.		28/6/24			
J.B.		AE			

material statement

- (i) sand - 94.7117
- (ii) chips - 3.15M³
- (iii) sand - 0.70M³
- (iv) bitumen - 0.279MT

<u>Arif</u>	<u>28/6/24</u>	
28.6.24.	28/6/24	
J.B.	AE	

Continuation