Schedule XLV-Form No. 134

भभुआ कुदरा रोड भगोढ़ी नहर से करहुन्दी

भभुआ DIVISION

भभुआ SUB-DIVISION

m.k. Cmpt

MEASUREMENT BOOK

MB No-1586

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	

IInd A/C Bill

Final Bill of contractor

N/W — Bhabhua Kudra road

Akoshi Nahar to Karaundi.

Agency — M. K. Construction.

Agreement No — MBD - /22 22-23

Date of start of work — 10.3.2023.

Date of completion — 9-12-23.

Date of extension —

Date of actual completion —

Record measurement —

(1) Providing and applying tack coat with bitumin emulsion RS-1.

CH. 0.0 —	30.0 m.	
	$2 \times 15.0 \times \frac{8.50+3.80}{2}$	~~187.25~~ m^2 184.50
	~~$1 \times 15.0 \times 3.75$ m = 56.25~~	
CH. 2430 —	2520 m.	
	$3 \times 30.0 \times 3.75$ m	$= 337.5 m^2$
Block-2	$1 \times 15.0 \times \frac{5.25+3.75}{2}$	$= 67.5 m^2$
	$1 \times 15.0 \times 3.75$ m	$= 56.25$ "
	$1 \times 15.0 \times \frac{3.75+5.75}{2}$	$= 71.25$ "
	$1 \times 15.0 \times \frac{5.75+3.75}{2}$	$= 71.25$
	$1 \times 25.0 \times 3.75$ m	$= 91.30$
Extra on curves —		

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
At CH. 225.0m & 750.0 m.					
	2	20.0	$\left[\frac{4.50+3.75}{2}-3.75\right]$		$= 15.0\ m^2$
At. CH. 925.0m.					
	1	20.0	$\left[\frac{3.75+5.30}{2}-3.75\right]$		$= 15.50\ m^2$
At CH. 1220m & 450 m.					
	2	20.0	$\left[\frac{3.75+4.25}{2}-3.75\right]$		$= 10.0\ m^2$
At CH. 1960 m.					
	1	20.0	$\left[\frac{4.50+3.75}{2}-3.75\right]$		$= 7.50\ m^2$
At. CH. 2320m.					
	1	20.0	$\left[\frac{5.75+3.75}{2}-3.75\right]$		$= 20.0\ m^2$
					~~947.55 m²~~
					947.55 m²

(2) Forming, laying hot dense bituminous concrete - dc- all complete as per tech. Specification clause 508.

CH. 0.0 - 300 m.

2 X 15.0 X $\frac{8.50+3.80}{2}$ X 0.025 m

= 4.612 m³

~~1 X 15.0 X 3.75 X 0.025 m = 1.406 "~~

CH. 2430. - 2520 m.

3 X 30.0 X 3.75 X 0.025 m = 8.44 "

Link-2 : 1 X 15.0 X $\frac{5.25+3.75}{2}$ X 0.025 m

= 1.687 m³

1 X 15.0 X 3.75 X 0.025 m = 1.406 "

1 X 15.0 X $\frac{3.75+5.25}{2}$ X 0.025 m = 1.781 "

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	1	15.0	$\frac{5.75+3.75}{2}$	0.025 m	
					= 1.781 m³
	1	22.0	4.15	0.025 m	= 2.283 m²
Extra at curves					
At Ch. 225.0 & 750 m.					
	2	20.0	$\frac{4.50+3.75}{2} - 3.75$	0.025 m	
					= 0.375 m³
At Ch. 925.0 m.					
	1	20.0	$\frac{5.75+5.30}{2} - 3.75$	0.025 m	
					= 0.387 m³
At Ch. 1220 m & 1450 m.					
	2	20.0	$\frac{4.25+3.75}{2} - 3.75$	0.025 m	
					= 0.250 m³

At Ch 1960 m.

$$1 \times 20.0 \times \left[\frac{4.50 + 3.75}{2} - 3.75\right] \times 0.025$$

$$= 0.187 \text{ m}^3$$

At CH. 2030m.

$$1 \times 20.0 \times \left[\frac{5.75 + 3.75}{2} - 3.75\right] \times 0.025$$

$$= 0.50 \text{ m}^3$$

$$22.69 \text{ m}^3.$$

Ans

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
3. Providing & Laying of hot applied thermoplastic compound for road marking					
	84	30.0	0.100	2	= 504.0 m²
	3	30.0	0.100	2	= 18.0 m²
	10.0	0.100	2		= 2.0 "
	2	30.0	0.100	2	= 12.0 m²
	1	22.0	0.100	2	= 4.40 "
	9	30.0	0.100	2	= 54.0 "
	20.0	0.100	2		= 4.00 "
					598.40 m²

4. Providing / Fixing Reflectors in 1 cm thick

→ 4 Nos.

(ii) 200 mm thick — 12 Nos

5. Providing / Fixing of above reflected cautionary & informatory road signs

(i) 600 mm equilateral triangle — 10 Nos

(ii) 600 mm circular — 15 Nos

(iii) 600 x 450 mm rectangular — 10 Nos

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
6. Supply / Fixing of typical mimosy information signboards with Logo.			—	2 Nos.	
7. Supply / Fixing guard stones / boundary stones			—	98 Nos	
8. Planting of trees by the road sides and maintenance for one year			—	190 Nos.	

9.- earth of Subgrade and Shoulder with Lead up to 1000m.

10 x 30.0 x 1.00 x 0.150 x 2 = 90.0 m³

10 x 30.0 x 1.10 x 0.150 x 2 = 99.0 "

4 x 30.0 x 1.10 x 0.150 x 2 = 39.60 "

10 x 30.0 x 0.600 x 0.150 x 2 = 54.0 "

10 x 30.0 x 0.600 x 0.100 x 2 = 36.0

5 x 30.0 x 0.600 x 0.100 x 1 = 18.0

10 x 30.0 x 1.00 x 0.150 x 2 = 90.0

10 x 30.0 x 1.10 x 0.150 x 2 = 99.0 "

10 x 30.0 x 1.20 x 0.150 x 2 = 108.0 "

5 x 30.0 x 1.0 x 0.150 x 2 = 45.0 "

10 x 30.0 x 0.600 x 0.150 x 2 = 54.0 "

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	3	30.0	0.60	0.10	= 10.80 m³
	3	30.0	0.60	0.10	× 2 = 10.80 "
					754.20 m³
(10) Brick masonary work in cm (1:3) in foundation					
	5	4.00	0.40	0.90	× 2 = 14.40 m³
(11) Plastering in cm (1:4) on Brick.					
	5	4.00	0.90		= 720 m²
	5	4.00	0.90	× 2	= 16.0 "
	5	0.40	0.40	× 4	= 7.20 "

95.20 m²

(3) Painting two coats on new concrete surface

95.20 m²

2nd

~~25/9/25~~

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
		Abstract			
(1) clearing and grubbing the road land (by manual means)					
		0.900 Hect			vide MBP
@ Rs 62032=43		Hect			
					Rs 55829=-
(2) Excn of Sub grade and shoulder with Lead upto 1000 m.					
		754.20 m³			vide MBP 18
@ Rs 246=75/m³					Rs 186099=-

(3) cost of granular sub base by providing well graded materials — as — all complete (grading II)

229.91 m³ vide item P3

@ Rs 2611.45 / m³

— Rs 587341.00

(4) Providing laying & spreading and compacting WBM Gr III Specification — as — all complete.

235.62 m³ vide TMB P4

@ Rs 5175.68 / m³ — Rs 1219494.00

Continuation

2048763=00

Sch.XLV-Form No. 134 B.F Rs ~~2878052~~=

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
5. Providing and applying primer coat with bit emulsion SS-1.					
	3141.60 m²				Vide Page 5
	@ Rs 5/- = 80/m²				
					Rs 178443=00
6. Providing and applying Tack coat with bit. emulsion RS-1.					
	15180.88 m²				Vide Page 10
	947.55 m²				" " 14
	16128.43 m²				
	@ Rs 19-40 /m²				Rs 312872=00

7. Providing & laying rolling of mix seal surfacing materials of 22 mm thickness

4798.38 m² vide TONB 10

@ Rs 219=90 / m²

— Rs 1058212=-

8. Providing & laying semi dense bituminous surface -do- all complete

259.56 m³ vide TONB 8

23.09 m³ " " P15

283.55 m³

@ Rs 12469.40 m³

Continuation Rs 3535698-

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
10. Providing & Fixing					
RCC M15 grade in					
(i) Km stones					
	4 Nos			vide Item No 16	
	CSR 2758=83/Nos				
			— Rs	11035/-	
(ii) 200m stones					
	12 Nos				
	CSR 773=14/Nos				
			— Rs	9278/-	
(11) Providing and Fixing M.S					
set to affected cantilever					
reinforcement					

traffic light —

(i) 600 mm equilateral triangle

10 Nos vide Item P-16

@ Rs 4209 = 65/Nos

— Rs 42096 =00

(ii) 600 mm Circular

14 Nos vide Item P16

@ Rs 4147 = 73/

— Rs 58068 =00

(iii) 600 x 450 mm rectangular

10 Nos vide Item P16

@ Rs 4008 = 79/each

— Rs 40088 =00

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(11) Providing & laying of hot thermoplastic compound for road marking					
		598.40 m^2 vide TMR			
		@ Rs 823.40/ m^2			
				— Rs 492962/-	
12- Providing Fixing Logo information Logo Board					
		— 2 Nos vide TMR P17			
		@ Rs 10291.27/ Nos			
				— Rs 20583/-	
13. Providing Fixing boundary stone/guard stone					
		— 98 Nos			

	SR	642=63	Rs 62978=00
14. Planting of trees and their maintenance for one year.			
	—	190 Nos	
	SR	1062=66	Rs 20190=00
15. Brick masonry work in parapet of culverts			
	—	14.40 m^3	
	SR	6363=21	Rs 91630=00
16. Plastering with CM (1:3) on brick work			
	—	95.22 m^2	
	SR	188=41	Rs 17942=00

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
17. Painting two coats on new plastered surface.	—	95.20 m²			
@ Rs 116 = 86				Rs	11125 =00
					1581 93698 =00
Add GST @ 18%	—	—	—	Rs	147 4866 =00
" L.C. @ 1%	—	—	—	Rs	81937 =00
" S. Fee @ 1.05%	—	—	—	Rs	86034 =00
					Rs. 9836535 =00
Less 25.01% below as per agreement @ Rs					2460117 =00
				Rs	7376418 =00
Deduct Payments					

				Rs 79 66334=00		
				Rs 1410084=00		
[signature] 25/9/23 128						

Continuation