

## MUNICIPAL CORPORATION OF GREATER MUMBAI

**SAMPLE ESTIMATE FOR REINSTATEMENT OF TRENCHES  
CONSIDERING 4.5 METRES WIDE CARRIAGEWAY AND TRENCH  
1 METRE LENGTH, 0.80 METRE WIDTH AND 0.85 METRE DEPTH**

Sr. No.	Item No.	Description	Length in Mtr.	Width in Mtr.	Depth in Mtr.	Qty.	Rate	Per	Amt.
1	PPCC 14A	Excavation in Road Carriageway	1 x 2	0.40	0.08	0.064	234/-	Cu. Mtr.	84.24
			1 x 2	0.80	0.08	0.128			
			1 x 2	0.80	0.105	0.168			
						0.360			
2	PPCC 16	Transporting surplus Material upto 3 km	1 x 2	0.40	0.08	0.064	117/-	Cu. Mtr.	42.12
			1 x 2	0.80	0.08	0.128			
			1 x 2	0.80	0.105	0.168			
						0.360			
3	PPCC 18	Transporting surplus material beyond 3 km	17.00			0.360	07/-	Km.	42.84
4	FMCCR 27	Supply & Filling sand Metal in trench	1	0.8	0.30	0.24	916/-	Cu. Mtr.	219.84
5	FMR 215	Supply & Sprading 60 mm metal 11 cm thick compacted to 8 cm thick	1	1.60	-	1.60	63/-	Sq. Mtr.	252.00
			1	2.40	-	2.40			
						4.00			
6	FMR 509	P/L hot mix graded Asphalt macadam to a minimum thickness 65 mm	1	2.40	-	2.40	199/-	Sq. Mtr.	686.55
			1/2	2.10	-	1.05			
						3.45			
7	FMR 508	P/L Premix hot mixed Asphalt macadam useing reconditioning material	1x1/2	2.10	-	1.05	169/-	Sq. Mtr.	177.45
8	FMR 525	Providing tack coat of straight run bitumen 0.75 kg./m <sup>2</sup>	1	2.10	-	2.10	11/-	Sq. Mtr.	23.10
9	FMR 524	Providing tack coat of straight run bitumen 0.50 kg./m <sup>2</sup>	1	4.50	-	4.50	8/-	Sq. Mtr.	36.00

Sr. No.	Item No.	Description	Length in Mtr.	Width in Mtr.	Depth in Mtr.	Qty.	Rate	Per	Amt.
10	FMR 505	P/L Premix (hotmix) Asphaltic concrete --40 mm (Compacted thickness )	1	4.50	-	4.50	177/-	Sq. Mtr.	796.50
11	FMR 709	Milling up to 60 mm depth Asphaltic surfaces	1 x 2	2.10	-	4.20	31/-	Sq. Mtr.	130.20
12	FMR 711	Transporting milled material	1 x 2	2.10	-	4.20	7/-	Sq. Mtr.	29.40
<b>TOTAL</b>									<b>2520.28</b>

Cost for 4.50 Sq.Mtr. - 2520.28  
Hence, Cost per Sq.Mtr -  $\frac{2520.28}{4.50}$  = Rs. 560.06

Add 1% Water & Sewerage Charges  $\frac{5.60}{565.66}$   
Add 15% Supervision Charges  $\frac{84.85}{650.51}$   
Total 650.51

**Say Rs. 651/- per Sq. Mtr. for reinstatement of carriageway with asphalt finish.**