

NAME OF WORKS: **FACTORY ROADS MAINTENANCE WORKS-FY2024-25**

Total Amount of Free Issue Materials with GST 18%:	0.00	A3=A2+T1
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Estimate Amount in Words: **Rupees Thirty Nine Lacs Ninety Five Thousand Two Hundred Forty Four Only**

Overall Estimate Value with GST 18% : **47,14,387.85** A4=A1+T2

Overall Value with GST 18% and Including Free Issue Material :	47,14,387.85	AS=A3+A4
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ABSTRACT ESTIMATE/ BILL OF QUANTITY

ESTIMATE NO: **E42ATM2425**
REVISION NO: **R0**

Date: **23-11-2024**

NAME OF WORKS: **TOWNSHIP ROADS MAINTENANCE WORKS-FY2024-25**

Details of Free Issue Materials					
Sl.No	Type of Materials	Quantity	Unit	Price	Amount
1	Cement	0.00	Kg	5.80	0.00
2	Rebar Steel	0.00	Kg	54.00	0.00
3	Structural Steel	0.00	Kg	58.50	0.00

Total Amount of Free Issue Materials: 0.00 A2
18% GST for Free Issue Material: 0.00 T1

Total Amount of Free Issue Materials with GST 18%: 0.00 A3=A2+T1

Estimate Value (Excl. Free Issue Material & GST): **₹ 1,16,95,042.00** A1
Estimate Amount in Words: **Rupees One Crores Sixteen Lacs Ninety Five Thousand Forty Two Only**

Estimate Value (Excl. Free Issue Material&GST): **₹ 1,16,95,041.45** A1

18% GST for Estimate Value: 21,05,107.46 T2

Overall Estimate Value with GST 18%: **1,38,00,148.91** A4=A1+T2

Overall Value with GST 18% and including Free Issue Material: **1,38,00,148.91** A5=A3+A4

Quantity Factor: 1.00						Total Amount: 1,16,95,041.45 A1		Total:		0.00	0.00	0.00	0.00	0.00	0.00	0.00		
SAP S/N	S/N	PREVIOUS. EST.S/N	WORK CODE (From SAP Rate Master)	WORK SHORT TEXT (From SAP Rate Master)	WORK DESCRIPTION (From SAP Rate Master)	QUANTITY	UNIT	RATE DSR-18 (Excl.GST 14.05%)	AMOUNT C=A*B	Cement Kg/Unit (D)	Free Issue Material Type	Quantities of Free Material			Amount of Free Material			
												1.CEMENT (Kg)	2.REBAR STEEL (Kg)	3.STRUCT. STEEL (Kg)	1.CEMENT	2.REBAR STEEL	3.STRUT. STEEL	
10	1		CVL-16.77	CVL-16.77_ROAD-WORK	(16.77) Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material within all lifts and lead upto 1km (by mechanical means).	17,125.00	M2	4.16	71,240.00	X	0.00	NIL	0.00	0.00	0.00	0.00	0.00	
20	2		CVL-16.30.2	CVL-16.30.2_ROAD-WORK	(16.30) Providing and applying tack coat using hot straight run bitumen of grade VG - 10 including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications	17,125.00	M2	29.50	5,05,187.50	X	0.00	NIL	0.00	0.00	0.00	0.00	0.00	
30	3		CVL-16.55.1	CVL-16.55.1_ROAD-WORK	(16.55) Providing and laying bituminous macadam using crushed stone aggregate of specified grading premixed with bituminous binder, transported to site by tipplers, laid over a previously prepared surface with paver finisher equipped with electronic sensor to the required grade.	856.25	M3	6,789.61	58,13,603.56	X	0.00	NIL	0.00	0.00	0.00	0.00	0.00	
40	4		CVL-16.57.1	CVL-16.57.1_ROAD-WORK	(16.57) Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tipplers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of	513.75	M3	9,596.36	49,30,129.95	X	0.00	NIL	0.00	0.00	0.00	0.00	0.00	
50	5		CVL-16.1	CVL-16.1_ROAD-WORK	(16.1) Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the	1,500.00	M2	137.44	2,06,160.00	X	0.00	NIL	0.00	0.00	0.00	0.00	0.00	
60	6		CVL-16.48.1	CVL-16.48.1_ROAD-WORK	(16.48) Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete. (16.48.1) New work (Two or more coats).	560.00	M2	189.35	1,06,036.00	X	0.00	NIL	0.00	0.00	0.00	0.00	0.00	
70	7		CVL-16.50	CVL-16.50_ROAD-WORK	(16.50) Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acryloetrite) or HIP (High impact polystyrene) or ABS having electronically welded micro- prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/-5) degrees to base .The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I: 809 as recommended in BS: 873 part 4 : 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge.	364.00	NO	172.21	62,684.44	X	0.00	NIL	0.00	0.00	0.00	0.00	0.00	0.00