

M.M.G.S.Y. 2026-27

**Name of work :- Resurfacing & Strengthening of Various Roads Of Valsad Taluka Dist.
Valsad -Total 4 Roads 7.20 Km. (Package No. 4)**

:: SCHEDULE 'B' ::

Sr. No.	Estimated Quantity but may be more or less	Item of work	Estimate Rate	Unit	Total amount according to estimated quantities.
			In figures		
1	2	3	4	6	7
1	0.92	Clearing and grubbing road land including uprooting trunk vegetation, grass bushes, shrubs, saplings and trees girth upto 300 mm removal of stumps of trees cut earlier & disposal of unserviceable material. (C) By Mechanical means in area of light jungle.	28393.04	Hect.	26121.60
2	2173.00	Earth work in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff, embankment as and where directed within 200 meters from the end of the cutting with all required lead and lift.	128.07	Cum.	278296.11
3	25312.50	Scarifying gravelled macadam or bitumen macadam surface 6cm to 10 cm depth including stacking useful materials on road side and disposing off remaining stuff.	40.72	Sqm.	1030725.00
4	540.00	Constructing of granular sub-base Gr-II by providing course graded B.T. machine crushed material satisfying MOST specification of (grading II) using materials (26.5 mm to 4.75 mm @ 75 per cent, 2.36 mm below @ 25 per cent) including spreading in uniform layer with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density etc. complete.	580.75	Cum.	313605.00
5	3597.00	Providing and laying wet mix macadam base course as per MORTH specification using machine crushed B.T. chips as per required gradation, mixing with required optimum quantity of water, conveying the mix to site of work, spreading in to grade and camber with paver/mechanical means and consolidation each layer with vibratory roller to achieve the desired density including cost of material labour plant and equipment etc. complete.	748.12	Cum.	2690987.64
6	25313.00	Providing and applying priming coat with emulsion (SS-2) at the rate of 2.5 kg/ 10 Sq.mt. including cost of asphalt and preparing the surface heating, and applying etc. complete.	22.52	Sqm.	570048.76
7	1006.00	Supplying, stacking & spreading Hard Murrum on road side for hard side shoulder of work as per specification including rolling & watering complete.	440.36	Cum.	443002.16

8	75.00	Supplying, fixing & joining reinforced concrete heavy duty non pressure pipe with colars for culverts carryig heavy traffic as per Indian Railway Standard Specifications including setting and joining the pipe in cement mortar 1:2 watering and laying (to level or slope) of I.S. class NP-3 600 mm dia.(Internal)	1952.00	Rmt.	146400.00
9	540.00	Providing & laying 50 mm thick bituminous macadam with 0.66 cum stone chips for one M.T. using the asphalt 34 kg/M.T. (i.e 3.40%) for mixing and emulsion for tack coat 2.5 kg/10sqmt heating the asphalt and agg by continues batching of hot mix plant & spreading the same by pavers finisher and consolidation with power roller of 80 to 100 KN with necessary equipment, oil, kerosene, fire, wood, labour charges etc. complete with contractor's own machinary.	3185.54	MT	1720191.60
10	1699.00	Providing & laying 37.50 mm thick bituminous macadam with 0.66 cum stone chips for one M.T. using the asphalt 34 kg/M.T. (i.e 3.40%) for mixing and emulsion for tack coat 2.5 kg/10sqmt heating the asphalt and agg by continues batching of hot mix plant & spreading the same by pavers finisher and consolidation with power roller of 80 to 100 KN with necessary equipment, oil, kerosene, fire, wood, labour charges etc. complete with contractor's own machinary.	3285.34	MT	5581792.66
11	1458.00	Providing and laying 25 mm thick compacted Semi Dense Bituminous Concrete using stone chips as per MORT&H gradation & VG-30 grade asphalt for mixing @ 5.0% by weight of total mix for binder including heating the aggregate and asphalt by drum mix plant and spreading the same by paver finisher and consolidation with vibratory roller including providing all materials, equipments, tools and plants, oil, kerosene, fire wood, labour charges etc. complete	3971.62	MT	5790621.96
12	25312.50	Providing and laying asphalt painting on B.T. surface with bitumen VG-30 at rate 5.00Kg / 10Sq.mt. and spreading stone dust for painting surface at rate of 0.03 cu.mt. / 10 sq.mt.	39.13	Sqm.	990478.13
13	72.00	Excavation for foundation upto 1.5 m. depth including sorting out and stacking of useful material and disposing off the excavated stuff as directed by Engineer in charge with all lead and lift in (B) Dense or hard soil murrum etc. complete	149.83	Cum.	10787.76
14	8.00	Providing & filling in foundation with ordinary cement concrete M 100 mix & providing necessary vertical pin headers including formwork, vibrating ramming and curing complete.	3240.34	Cum.	25922.72

15	47.20	Providing & casting in situ ordinary cement concrete M 150 mix and providing necessary pinheaders including , shuttering scaffolding laying vibrating and finishing without V-Grooves. (A) Height from 0.0 m to 5.0m for head wall of causeway	3610.75	Cum.	170427.40
16	29.00	Constructing of granular sub-base Gr-II by providing course graded B.T. machine crushed material satisfying MOST specification of (grading II) using materials (26.5 mm to 4.75 mm@ 75 per cent, 2.36 mm below@25 per cent) including spreading in uniform layer with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density etc. complete.	580.75	Cum.	16841.75
17	20.00	Supplying, fixing & joining reinforced concrete heavy duty non pressure pipe with colars for culverts carryig heavy traffic as per Indian Railway Standard Specifications including setting and joining the pipe in cement mortar 1:2 watering and laying (to level or slope) of I.S. class NP-3 900 mm dia.(Internal)	3446.50	Rmt.	68930.00
18	82.56	Wall painting two coats with plastic emulsion paint of approved brand and manufacturer on wall surfaces to give an even shade including thoroughly brushing the surface to remove all dirt, dust, mortar drops and other foreign matter.	80.35	Sqm.	6633.70
19	10.00	Providing and fixing ordinary Kilometer stone of precast C.C. 1:2:4 including necessary reinforcement as per I.R.C. type design in C.C. 1:4:8 including letter and paints etc. complete	1290.57	No.	12905.70
20	32.00	Providing & Fixing Hectometer stone as per I.R.C. type design including painting, lettering etc. complete (i) Fixing in C.1:5:10	356.50	No.	11408.00

21	4.00	Village name Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 90x60 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.3mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	6397.43	No.	25589.72
22	4.00	Providing & fixing junction boards made out of 4mm ACP sheet size 120 X 90 cms rectangle with massage on both side of board, as per the design of IRC. Pre treated with phospheting process and acid etching with one coat of epoxy primer and two coats of best quality epoxy paint,front side reflectorised with high intensity Micro Prismatic Grade Type -IV retro reflective sheeting as per the IRC-67 and latest MOST specification and back side message / lettering shall be painted with ready mix synthetic enamel paints of superior quality in required shade and color as specified, mounted on 2 nos of 3.6mt long stand stand pst of iron angle 50x50x6mm and frame fabricated from suitable MS angle of 40x40x3mm as required,painted with best quality epoxy coating in black and white bends.The details of the letters / symbols for board shall be as per the instruction of engineer in charge.The fixing at site shall be in 1:2:4 CC block of size 45x45x60 cms for each leg, including excavation, curingetc complete under the supervision of Engineer in charge.	7106.36	No.	28425.44

23	4.00	MMGSY Logo Board:- Providing and fixing MMGSY Logo Board made out of 2mm aluminium sheet, as per the drawing & design. Pre treated with phospheting process and acid etching coated with one coat of epoxy primer and two coat of best quality epoxy paint, reflectorized with retro reflective sheeting as per the latest M.O.S.T. specification, 3.1 Mt. long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3 mm, 75 x 75 x 6 mm as required painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x 45 x 60 cms for each leg, including excavation curing etc. complete under the supervision of Engineer-In-Charge (A)Engineer grade.	5050.00	No.	20200.00
Total Rs. :-					19980342.80