

Name of Work:

OWR - MMGSY 2026 - 2027. PTN : 12, Resurfacing of Mudvada Rabaripura Road. In Sidhhpur Taluka, Dist-Patan.

BILL OF QUANTITIES
QUANTITY STATEMENT

It. No.	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Estimated rate	Amount
				Rate In figures	
1	3	2	6	4	7
1	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials (C) By mechanical means in area of light jungle	0.60	Hec	28455.09	17073.05
2	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(C) From Borrow area within 1.0 Km.lead.	750.00	Cum.	165.43	124072.50
3	Rolling & Watering Of earhwork in Layers With Vibratory Roller including filling in depressions which occur during the process.	750.00	Cum.	23.41	17557.50
4	Construction of granular sub-base by providing well graded material, (Metal 25.60 mm to 53 mm 35%, B.T. Kapachi 25.60 mm to 4.75 mm 45% & Coarse sand below 2.38 mm 20%)spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401. Grading I	61.00	Cum.	1207.50	73657.50
5	Providing and laying W.B.M of B.T.M.C metal of size 45 mm to 90 mm size including 0.27 Cu.m. stone screening &0.08 Cu.M. stone dust as filler including spreading, watering & consolidation by vibratory roller 80KN to 100KN static weight. 100 mm thick compected.	37.00	Cum.	1799.97	66598.89
6	Providing and laying W.B.M of B.T.M.C metal of size 45 mm to 63 mm size including 0.12Cu.M. Stone Screeing &0.08 Cu.M. stonedust as filler including spreading, watering &consolidation by vibratory roller 80 KN to 100 KN static weight. 75mm thick compected each of two layer.	220.00	Cum.	1637.01	360142.20
7	Providing and laying bituminous grout base course 37.5 mm thick using asphalt VG-30 for tack coat at the rate of 4 Kg./ 10 Sq.Mt. on WBM surface using B.T. stone aggregates as per required gradation with the asphalt of VG-30 grade at the rate of 1.99 % i.e. 19.90 Kg. /M.T. by weight by mix including heating and mixing in drum mix plant, transporting the mix spreading the same by paver finisher and consolidation by vibratory roller including cost of all materials, fuel labours, tools and plant etc. using contractors own drum mix plant etc. complete	536.00	MT	2756.37	1477414.32

8	providing and laying 37.50 mm thick compacted bituminous macadam using stone chips 0.66 Cum per M.T. mix. As gradation and using asphalt grade VG 30 for tack coat for 2.50 kg/10smt on BT surface and mixing 34 Kg M.T. (L.e. 3.40 % of mix) including heating the asphalt and aggregate by continuous batching drum mix plant transporting mixed material and spreading the same by paver finisher and consolidation by vibretory roller of 80 KN to 100 KN static weight including the cost of labour oil lubricants etc using contractor's own machineries and plants	513.00	MT	3771.76	1934912.88
9	Providing and laying bituminous seal coat using stone chips 6mm size 0.24 Cmt/10 Smt .i.e.0.66Cmt aggregate with bitumen Grade VG-30 4.50 % of weight including heating asphalt and aggregate by continous batching Drum mix plant & transporting the mix material spreading the same by paver finishers & consolidation with vibratory roller 80/100 KN statics wt. incl providing tools plants firewood oil,kerosene labour charges etc. comp. {RA}	226.00	MT	4236.71	957496.46
10	Providing hard side shoulder of 100 mm thick for embankment using quarry spall with all lead and lift and including watering and rolling and consolidation of sub grade in layers at OMC to required dry density including filling depression which occur during the process using vibratory roller of 80 KN to 100 KN (selected quarry spall having CBR value not less than 30.0{As per R.A.})	180.00	Cum.	873.45	157221.00
11	Scarifying graveled macadam or bitumen macadam surface 6 cms. to 10 cms. depth i.c. stacking useful materials on road side and disposing of remaining stuff.	1125.00	Sqm.	43.58	49027.50
12	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful material and disposing off the excavated stuff upto 50 m lead(A) Loose or soft soil	208.00	Cmt	128.79	26788.32
13	Providing & laying CC 1:4:8 , (1 cement:4 Coarse sand:8 machine crushed stone aggregate 40mm nominalsize) and curing complete in Foundation & Plinth.	39.00	Cmt	2749.06	107213.34
14	Providing and casting in situ ordinary cement concrete M-150 mix and providing necessary pin headers including shuttering, scaffolding, laying vibrating curing and finishing complete without V Grooves. (A) Height from 0.0 to 5.00 mt	198.90	Cmt	3723.54	740612.11
15	Supplying and fixing reinforced concrete heavy duty non pressure pipe with collars for culverts carrying heavy traffic as per IS 458-1991 specification including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S.Class NP 3 of 300 mm diameters.	75.00	Rmt	659.99	49499.25

16	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	636.48	MT	77.29	49193.54
17	Providing & laying weep hole in Abutments, and returns by using PVC 6 Kg/Sqcm. Pipe of 110mm dia. including laying in proper grade and jointing the completed as per detailed specification.	68.00	No.	146.03	9930.04
18	Providing and fixing Hectometer as per I.R.C. type design including painting, lettering etc. complete.(i) Fixing in Earth	4.00	No	116.08	464.32
19	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 (for O.D. Road V.R.)	2.00	No	704.33	1408.66
20	Citizen's Information Board - Providing and fixing of typical Project information board as per instruction. Two ACP Sheets of 3 mm thick, of 900 mm x 750 mm size fixed at top & bottom duly rivetted with MS angles of 25 x 25 x 5 mm thick M.S. angles shall be welded by two vertical M.S. angle shall be welded by two vertical M.S. angle of 5 mm thick to 75 mm x 75 mm of 12 SWG square tubes posts duly embedded in cement concrete M-15 grade blocks of 60 x 60 x 75 Cm, below ground level. The letters & figure of any shade reflectorised with High Intensity Prismatic Grade Retro Reflective Sheeting of Type-4 as per ASTM D-4956 and latest MORTH specifications; All section of framed posts and steel tube will be painted with primer and two coats of epoxy paints as per drawing Clause 1701 and Annexure 1700.1 (10.16). (A) Class-B High intensity Grade Retro Reflective sheeting.	1.00	No	9855.58	9855.58
21	Providing and fixing Logo Board of Project diamond size (600 x 600mm) 16 gauge & board plate size (900 x 250 mm) 16 gauge thick M.S. Plate and 2.40 meter deep length single angle 75 x 75 x 6 mm size including fitting in CC Block CC 1:2:4, 30 x 30 x 85 Cm including necessary excavation, painting, lettering with luminous colour as per drawing etc.	1.00	No	2393.70	2393.70

22	Direction sign (Junction board):-Providing and fixing sing boards made out of 2mm aluminium sheet; size 244 x 122cms. rectangle as as per the design of IRC-67-1977 pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm 75x75x6mm as required; painted with best quality 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 block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)... No-26098A, SOR 24-25, P.NO.210)	1.00	No	14831.71	14831.71
23	Village name/ Bump Ahead sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 90 x 60cms. rectangle as as per the design of IRC-67-1977 pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm painted with best quality 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 block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)... No-26101A, SOR 24-25, P.NO.215)	5.00	No	5045.36	25226.80
24	Chevron Sign :-Providing and fixing sing boards made out of 3mm ACP (Aluminium Composite Panel); size 60x45 cm 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 reflective sheeting of Type-4 as per ASTM D-4956 and latest MOST Specifications; 3.1mtr long stand post of Iron Angle 75 x 75 x 6 mm as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with best quality 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 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 warranty for 7 years for the Retro reflective sheeting from original manufacturer shall be submitted by contractor. (A) Class-B High Intensity Grade Retro Reflective Sheeting	25.00	No	3711.75	92793.75

25	<p>Project Information Board: Providing and fixing of typical Project informatory sign board with Logo as per 1700 of MORD specifications and drawing. The board will be a composite unit consisting of Three Plates ACM (Aluminum Composite Material), material specifications as per clause 17001.3. The topmost plate will be of 3mm ACM in diamond shape of 600x600mm size, riveted with MS angle iron frame of 25mmx25mmx5mm size on back on edges. The middle 4mm ACM plate will be 1200x150mm size riveted with MS angle iron frame of 25mmx25mmx5mm size on back on edges. The main 4mm ACM lower most plate will be 1500mmx600mm size, riveted with MS angle iron frame of 25mmx25mmx5mm size. Riveting of all the sheets over angle and flat iron frame will be done neatly to have plain surface on one side. The angle iron frame of lower most plate and flat iron frame of the middle plate will be welded to two nos 75mmx75mm (12 SWG) sheet tubes posts placed at 1125mm apart centre to centre. the top of the middle plate will be flushed with the top of 75mm dia medium steel tube posts and these posts will be embedded in cement concrete M15 grade block of 450x450x600mm below ground level. The height of the bottom of the lower plate will be 1200mm from normal ground level and the bottom of the middle plate will be 100mm above the top level of the lower most plate. the diamond shaped plate mounted over flat angle iron frame will be connected to middle plate by square steel section of 47mmx47mm, thickness 12SWG having a spacing of 100mm between the diamond shaped plate and middle plate and this square section will be riveted to the bottom point of the diamond shaped plate. logo, letters and numerals on the ACM should be as per design of Retro Reflective sheeting of Type 1 AECB Class A grade.</p>	1.00	No	11832.15	11832.15
26	<p>Regulatory/Mandatory signs : Providing and fixing sign boards made out of 2mm aluminium sheet; size 60cms. diameter circle as per the design of IRC-67-1977 pre treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; 3.1m long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3mm 75x75x6mm 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 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...I No-26094A, SOR 24-25, P.NO.204)</p>	4.00	No	3439.81	13759.24

27	Road Marking with Hot Applied Thermoplastic Paints with reflectorising glass beads on bitumin surface. Providing and laying a hot applied thermoplastic compound 2.5 mm. thick including reflectorising glass beads @ 250 gms per sqm. area, Thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-2015. The Finished surface to be level, uniform and free from streaks and holes. zebra patta/bump patta lane/center line/edge line/cut patta, The white color marking should provide liminanance coefficient on cement road shall be min. 130 mcd/m2/lux and Asphalt road shall be min 100 mcd/m2/lux during the service life during the day time. The marking should meet the performance criteria for night time reflectivity, wet reflectivity and skid resistance as mentioned in the section-15 of IRC 35-2015. warranty of reflectorising for 3 (three) years.	330.00	Sqm.	367.72	121347.60
28	Cat Eye / Road Stud / RPM: Supplying Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with Micro prismatic lens (No Glass bead lens) capable of providing total internal reflection of the light entering the lens face and shall support a load of 13635 kgs. tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A	383.00	No	217.40	83264.20

29	Providing and erecting a"W" Metal Beam Crash Barrier Comprising 3 mm Thick Corrugated Sheet Metal Beam Rail, 70 Cm Above Road /Ground Level , Fixed on ISMC Series Channel Vertical Post 150x75x5 mm Spaced 2 m Centre to centre 1.8 mt Hight ,1.1 m Below Ground / Road Level , all Steel parts and Fitment to be Galvanized by hot dip process , all fittings to be conform to IS: 1364, Metal Beam rail to be fixed on the Vertical Post with a spacer of channel section 150x75x5 mm long Complete as per Clause810	120.00	Rmt	7321.53	878583.60								
					7474171.71								
	In Word												
	Rupees Seventy Four Lakhs Seventy Four Thousand One Hundred Seventy One and Paise Seventy One Only												
<p>I/We am/are willing to carry out the work at...% above/below percent(Should be written in figures and words) of the estimated rate mentioned above. Amount of my /our tender works out as under.</p> <table> <tr> <td>Estimated amount put to tender Rs.....</td> <td>Estimated amount put to tender Rs.....</td> </tr> <tr> <td>Add.....% Above Rs.....</td> <td>Deduct.....% below Rs....</td> </tr> <tr> <td>Net Rs.....</td> <td>Net Rs.....</td> </tr> <tr> <td>In words.....</td> <td>In words.....</td> </tr> </table>						Estimated amount put to tender Rs.....	Estimated amount put to tender Rs.....	Add.....% Above Rs.....	Deduct.....% below Rs....	Net Rs.....	Net Rs.....	In words.....	In words.....
Estimated amount put to tender Rs.....	Estimated amount put to tender Rs.....												
Add.....% Above Rs.....	Deduct.....% below Rs....												
Net Rs.....	Net Rs.....												
In words.....	In words.....												
<p style="text-align: center;">Signature of Contractor</p> <table> <tr> <td>Deputy Executive Engineer Panchayat R & B Sub Division Sidhhpur</td> <td>Executive Engineer Panchayat R & B Division Patan</td> </tr> </table>						Deputy Executive Engineer Panchayat R & B Sub Division Sidhhpur	Executive Engineer Panchayat R & B Division Patan						
Deputy Executive Engineer Panchayat R & B Sub Division Sidhhpur	Executive Engineer Panchayat R & B Division Patan												
<p>Notes 1 - The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.</p> <p>Notes 2 - The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.</p> <p>Notes 3 - GST and Income tax TDS will be deducted at a source while making payments of bills.</p> <p>Note 4 - In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.</p>													