

Name of Work :- Constg. of Rural Road Under MMGSY - 2022-23 Package No. - 12, Ta. - Modasa Dist. - Arvalli

SCHEDULE - "B"

Item No.	Item Of Work	Qty. Estimated but may Be Less or More	Estimated Rate		Unit	Total Amount according to estimated quantities
			In Figure Rs. And Ps.	In words		
1	2	3	4	5	6	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.	1.21	32361.24	Rupees ThirtyTwo Thousand Three Hundred SixtyOne and Paisa TwentyFour Only	Hect.	39157.10
2	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C. to required dry density including filling the depression which occur during the process using power roller 8T to 10T.(E) From Borrow area with all lead and lift.	8866.00	182.24	Rupees One Hundred EightyTwo and Paisa TwentyFour Only	Cum	1615739.84
3	Providing, laying, and compacting Hard murrum for Road side shoulders including spreading in uniform thickness, including rolling with vibratory roller 80-100 kN static wt. to proper grade and camber including watering etc. complete.	479.00	354.40	Rupees Three Hundred FiftyFour and Paisa Fourty Only	Cum	169757.60
4	Construction of Granular Sub Base (GSB) by providing M.C. coarse graded material of grading-I, spreading in uniform layers 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, complete as per MORTH specification.	2496.00	783.39	Rupees Seven Hundred EightyThree and Paisa ThirtyNine Only	Cum	1955341.44
5	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam (Grade-I) (B.T. Metal of size 45 to 90 mm) specification including spreading in uniform thickness, hand packing , rolling with vibratory roller 80-100 kN static wt. to proper grade and camber, applying and brooming, stone screening / binding materials to fill-up the interstices of coarse aggregate, watering and compacting etc. complete as per Specifcation.	1780.00	894.86	Rupees Eight Hundred NinetyFour and Paisa EightySix Only	Cum	1592850.80

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6	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam (Grade-II) (M.C. Metal of size 40 to 63 mm) specification including spreading in uniform thickness, hand packing , rolling with vibratory roller 80-100 kN static wt. to proper grade and camber, applying and brooming, stone screening / binding materials to fill-up the interstices of coarse aggregate, watering and compacting etc. complete as per Specifcation. (45 to 63mm size M.C. Metal)	2581.00	853.87	Rupees Eight Hundred FiftyThree and Paisa EightySeven Only	Cum	2203838.47
7	Providing & laying 37.50mm thick Bituminous grout base course with Emulsion RS1 for tack coat @ 4.0 kg./ 10 Sqmt WBM surface and using B.T. stone aggregate as per required gradation with asphalt of VG-30 grade at the rate of 1.99% i.e. 19.90 Kg/ M.T. including heating & mixing in drum mix plant transporting the mix spreading the same by paver finisher and consolidation by vibratory roller as per MORT&H specification including cost of all materials fuel, labours, tools and plant etc using contractors own drum mix plant etc. comp.	1074.00	2056.17	Rupees Two Thousand FiftySix and Paisa Seventeen Only	M.T.	2208326.58
8	Providing and laying 25 mm thick premix asphalt carpet using 0.66 cmt per 1 MT.mix with M.C. stone agg. & Emulsion RS1 for tack coat @ rate of 2.50 kg / 10 smt. & using asphalt VG-30 of 33.60 kg .ie. 3.36 % by Drum Mix Plant & spreading the same by paver finisher with vibratory roller 80 to 100 KN. static wt. incl. providing all equipments tools and plants, fire wood, oil, kerosene, labour charges etc. complete with contractor's own machineries, etc. complete.	752.00	2797.62	Rupees Two Thousand Seven Hundred NinetySeven and Paisa SixtyTwo Only	M.T.	2103810.24

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9	Providing and laying bitumenous Seal coat 0.18 cmt / 10 smt. with machine crushed aggregate using 45.00 kg. VG-30 of bitumen per M.T. of total weight of mix agg. (4.50 % of total weight of mix) by drum mix plant and spreading the same by paver finisher and consolidation with vibratory roller 80 to 100 KN static wt. incl. providing all materials equipments, tools and plants, fire wood, oil, kerosene, labour charges etc. comp & flushing sand @ rate of 0.30	397.00	3170.61	Rupees Three Thousand One Hundred Seventy and Paiza SixtyOne Only	M.T.	1258732.17
10	Providing & fixing ordinary Kilometre stone of pre cast C.C. 1:2:4 including necessary reinforcement per I.R.C type design fixing in C.C. 1:2:4 including painting, lettering etc. complete.	6.00	1051.13	Rupees One Thousand FiftyOne and Paiza Thirteen Only	No.	6306.78
11	Providing and fixing Hectometer as per I.R.C. type design including painting, lettering etc. complete.(ii) Fixing in C.C. 1:5:10	16.00	321.63	Rupees Three Hundred TwentyOne and Paiza SixtyThree Only	No.	5146.08
12	Providing and fixing indicator stone of approved stoneas per I.R.C. type design in C.C. 1:4:8 including white washing etc. complete.(ii) Fixing in C.C. 1:5:10	231.00	293.66	Rupees Two Hundred NinetyThree and Paiza SixtySix Only	No.	67835.46
13	Providing and fixing guard stone as per I.R.C. type design including white washing etc. complete.(ii) Fixing in C.C. 1:5:10	88.00	239.06	Rupees Two Hundred ThirtyNine and Paiza Six Only	No.	21037.28
14	Cautionary Warning Sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 90 x 90 x 90 cms. equilateral triangle as per 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 reflectivesheeting as per latest M.O.S.T.Specifications; 3.1m long stand postand frame fabricated from suitable sizeiron angle of 35 x 35 x 3mm, 75 x 75 x 6mm as required; painted with bestquality epoxy coatings in black andwhite bends. The details of symbol foreach board shall be as per theinstruction 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.(B) High Intensity Grade.	6.00	4326.84	Rupees Four Thousand Three Hundred TwentySix and Paiza EightyFour Only	No.	25961.04

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15	Informatory Signs :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 80 x 60cms. rectangle as per the design of IRC-67-1977 pre treated with phospheting process & acid teching; coated with one coat of epoxyprimer 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 postand frame fabricated from suitable sizeiron angle of 35 x 35 x 3mm 75x 75x 6mm as required; painted with best qualityepoxy coatings in black and whitebends. the details of symbol for eachboard shall details of symbol for eachboard shall be as per the instruction ofengineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x45 x 60cms. for each leg. including excavation curing tec. complete under the supervision of engineer in charge.(B) High Intensity Grade.	6.00	5048.99	Rupees Five Thousand FourtyEight and Paisa NinetyNine Only	No.	30293.94
16	Regulatory/Mandatory signs :Providing and fixing sing boards made out of 2mm aluminium sheet; size 60cms. diameter circle as per the design of IRC-67- 1977 pre treated with phospheting process & acid eteching; 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 framefabricated 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.(B)High Intensity Grade	6.00	3930.92	Rupees Three Thousand Nine Hundred Thirty and Paisa NinetyTwo Only	No.	23585.52

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17	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.(B)High Intensity Grade	6.00	22715.91	Rupees TwentyTwo Thousand Seven Hundred Fifteen and Paisa NinetyOne Only	No.	136295.46
18	Citizen' s information Board- Providing and fixing of typical MMGSY information board as per instruction. Two MS plates of 1.6 mm thick, of 900 mm x 750mm size fixed at top & bottom duly welded with MS angles of 25 x 25 x 5 mm thick M.S plate shall be welded by two vertical M.S flats & four horizontal M.S flates 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 600mm x 600mm x 75mm, below ground level. Painting New letters & figure of any shade with ready mixed synthetic enample paint of superior quality in required shade and colour, All sections 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)	3.00	10884.77	Rupees Ten Thousand Eight Hundred EightyFour and Paisa SeventySeven Only	No.	32654.31

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19	<p>MMGSY "LOGO" Board : Providing and fixing of MMGSY LOGO informatory sign board with Logo as per section 1700 of MORD specifications and drawing. The board will be a composite unit consisting of Two Plates of ACM (Aluminum Composite Material), material specifications as per clause 17001.3. The top most plate will be of 3mm ACP in diamond shape of 600x600mm size, riveted with MS angle iron frame of 25mmx25mmx5mm size on back on edges. The Lower plate will be of 4mm ACP of 1100x300mm size riveted with MS angle iron frame of 25mmx25mmx5mm size on back on edges. 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 Both the plates will be welded to a 75mm x75mmx6mm Mild steel post at Centre and this post 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. The spacing between the diamond shaped plate and Lower Plate is kept 150mm. MMGSY logo, letters and numerals on the ACM should be made up of Retro Reflective sheeting of Type-1 AEGP Class-A grade as per the latest MORD section 1700 and IRC 67-2012 specifications. All the section of the frame and posts shall be painted with primer and two coats of epoxy paint. The design, painting and lettering shall be done as per the MMGSY Logo sign Design and as directed by Engineer in-charge. A warranty for 5 years for the Retro reflective sheeting for Type-1 Class-A from original manufacturer shall be submitted by contractor.</p>	3.00	5048.99	Rupees Five Thousand FortyEight and Paisa NinetyNine Only	No.	15146.97

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20	MMGSY Project Information Board: Providing and fixing of typical PMGSY 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 specificaitons as per clause 17001.3. The top most 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 of 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. 75mm x75mm (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 embeded 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. MMGSY logo, letters and numerals on the ACM should be made up of Retro Reflective sheeting of Type-1 AEGP Class-A grade as per the latest MORD section 1700 and IRC 67-2012 specifications. Al the section of the frame and posts shall be painted with primer and two coats of epoxy paint. The design, painting and lettering shall be done as per the MMGSY Signage Guide and as directed by Engineer-In-charge. . A warranty for 5 years for the Retro reflective sheeting for Class-A respectively, from original manufacturer shall be submitted by contractor.	3.00	11655.40	Rupees Eleven Thousand Six Hundred FiftyFive and Paisa Fourty Only	No.	34966.20
21	Excavation for foundatiuon upto 1.5 m depth incl. Sorting out & stacking of useful material & disposing of the excavated stuff upto 50m. Lead. (B) Dense or hard soil.	1573.00	161.18	Rupees One Hundred SixtyOne and Paisa Eighteen Only	Cum	253536.14
22	Providing and filling in foundation with ordinary cement concrete M- 100 mix and providing necessary vertical pin headers including formwork, vibrating, ramming and curing complete.	431.70	2216.42	Rupees Two Thousand Two Hundred Sixteen and Paisa FourtyTwo Only	Cum	956828.51
23	Supplying and fixing reinforced concrete heavy duty non pres-sure pipes with collars for culverts incl. Setting and joining the pipes in C.M. 1:2 watering & laying (two level or slope) of 900mm dia. NP3 pipe internal diametre of IS 458 / 1971.	142.50	3862.80	Rupees Three Thousand Eight Hundred SixtyTwo and Paisa Eighty Only	Rmt	550449.00

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24	Providing and filling in foundation with ordinary cement concrete M- 150 mix and providing necessary vertical pin headers including formwork, vibrating, ramming and curing complete.	1613.00	2673.15	Rupees Two Thousand Six Hundred SeventyThree and Paisa Fifteen Only	Cum	4311790.95
25	Providing TMT Bar FE 500/500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level.	10721.00	72.43	Rupees SeventyTwo and Paisa FourtyThree Only	Kg.	776522.03
26	Providing and filling sand below R.C.C. raft in layers including ramming and watering complete.	301.00	304.40	Rupees Three Hundred Four and Paisa Fourty Only	Cum	91624.40
27	Providing and laying Weep hole in abutment and return by using PVC. pipe of 100 mm dia including laying in proper grade and joining complete etc as per details specification.	518.00	55.07	Rupees FiftyFive and Paisa Seven Only	No.	28526.26
28	White washing with lime on wall surface (two coats) to give an even shade including thoroughly booming the surface to remove all dirt, dust; mortar drops and other foreign matter.	1244.00	8.08	Rupees Eight and Paisa Eight Only	Sqmt	10051.52
29	Dismantalling the existing structure including removing & stacking the dismantalled materials as and where directed.	4.00	5050.00	Rupees Five Thousand Fifty Only	No.	20200.00
30	Providing & casting in situ Controlled cement concrete M - 250 for Cement Concrete Road laid as directed including tamping, vibrating, finishing, curing, and filling in joints with bitumen complete.	382.00	4036.01	Rupees Four Thousand ThirtySix and Paisa One Only	Cum	1541755.82
31	Compaction and finishing of cement concrete road by trimix process providing extra labour charges for the trimix vacuum dewatering service process on cement concrete road surface by using vacuum dewatering pump floater surface vibrator including making rough finish to surface as per in including levelling the complete.	2544.00	63.04	Rupees SixtyThree and Paisa Four Only	Sqmt	160373.76
32	Demolation & disposal of unserviceable materials with all lead & lift. (ii) Un- reinforced cement concrete.	1.00	10100.00	Rupees Ten Thousand One Hundred Only	No.	10100.00

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33	Excavation for foundation in sand, Gravel, Clay, Soft soil and Murrum etc., including shorting, strutting and dewatering as necessary and disposing of the excavated stuff as directed.	205.00	324.7	Rupees Three Hundred TwentyFour and Paisa SeventyFour Only	Cum	66571.70
34	Providing and casting in-situ controlled cement concrete M-250 for RCC raft and cut off walls including shuttering, laying, vibrating, ramming, and curing complete.	126.00	4303.34	Rupees Four Thousand Three Hundred Three and Paisa ThirtyFour Only	Cum	542220.84
35	Providing and casting in situ controlled cement concrete M - 300 for R.C.C. solid slab including centering, scaffolding, curing & finishing comp..(including Apoxy Painting of Exterior Surface)	22.00	5102.30	Rupees Five Thousand One Hundred Two and Paisa Thirty Only	Cum	112250.60
36	Providing and casting in-situ controlled cement concrete M-300 for average 75mm thick wearing cost laid as directed including tamping, vibrating finishing curing and complete.	4.00	4231.75	Rupees Four Thousand Two Hundred ThirtyOne and Paisa SeventyFive Only	Cum	16927.00
37	Providing and casting in-situ controlled cement concrete M-250 for kerb/kerb blocks including formwork, curing and finishing complete.	2.80	3720.80	Rupees Three Thousand Seven Hundred Twenty and Paisa Eighty Only	Cum	10418.24
38	Providing and casting in-situ controlled cement concrete M-300 for approach slab including formwork curing and finishing complete.	31.80	4103.84	Rupees Four Thousand One Hundred Three and Paisa EightyFour Only	Cum	130502.11

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39	Providing and placing in position FE 500/500D bar reinforcement for following items including cutting bending hooking and tying complete as per detailed drawing.	14.00	71636.86	Rupees SeventyOne Thousand Six Hundred ThirtySix and Paiza EightySix Only	M.T.	1002916.04
40	Providing and fixing post and pipe railing as per detailed drawing including 3 coats of painting to steel works complete.	31.00	1364.38	Rupees One Thousand Three Hundred SixtyFour and Paiza ThirtyEight Only	Rmt	42295.78
41	Providing P.V.C. 100 mm diameter water spouts including necessary iron gratings as per drawings.	8.00	157.80	Rupees One Hundred FiftySeven and Paiza Eighty Only	No.	1262.40
42	Providing and fixing in position 12 mm thick permoulded joint filler in expansion joint for fixed ends of simply supported span, covered with sealant complete as per drawing and technical specifications.	12.80	768.65	Rupees Seven Hundred SixtyEight and Paiza SixtyFive Only	Sqmt	9838.72
43	Providing and laying rubble for apron (each stone weighing not less than 40 Kg.) including packing & filling in the interstices with quarry spall.	17.00	734.88	Rupees Seven Hundred ThirtyFour and Paiza EightyEight Only	Cum	12492.96
44	Providing and laying filter media 600 mm thick as directed at the back of abutments, returns and wing walls as per detailed specification.	40.00	786.62	Rupees Seven Hundred EightySix and Paiza SixtyTwo Only	Sqmt	31464.80
45	Providing Diversion may be necessary for traffic and maintaining the same for the period as may be necessary as directed by engineer in charge.	1.00	10100.00	Rupees Ten Thousand One Hundred Only	No.	10100.00

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46	Dismantling the existing structure including removing and stacking the dismantelled materials as and where directed. (A) R.C.C. work.	270.00	590.62	Rupees Five Hundred Ninety and Paisa SixtyTwo Only	Cum	159467.40								
Total Rs. 24407270.26														
Rupees Two Crore FourtyFour Lakh Seven Thousand Two Hundred Seventy and Paisa TwentySix Only														
<p>I / We / am/are willing to carry out the work at _____% above / below percent (should be written in figure and words) of the estimated rates 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>Deduct _____% below</td> <td>Add _____% above</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. _____	Deduct _____% below	Add _____% above	Net Rs. _____	Net Rs. _____	in words _____	in words _____
Estimated Amount put to tender Rs. _____	Estimated Amount put to tender Rs. _____													
Deduct _____% below	Add _____% above													
Net Rs. _____	Net Rs. _____													
in words _____	in words _____													

Note :-

- 1 All works shall be carried out as per Public Works Department Handbook and Other Specification of Division or as directed
- 2 All the columns is schedule should be filled in ink and the total entries in the last column should be struck by the contractor under this signature.
- 3 Rates quotes include clearance of site (prior commencement of work and at its close) in all respects and hold good for work under all conditions, site, moisture, weather etc.
- 4 To be continue on additional sheets, if found necessary

Signature of Contractor

Dy. Executive Engineer
Panchayat R.&B. Sub Division
Modasa

Executive Engineer
Panchayat R.&B.Division
Modasa