

AHMEDABAD URBAN DEVELOPMENT AUTHORITY

AHMEDABAD

Name of Work :- **Repairing, Maintaining & Patchwork of various TP Road From Ramol Toll plaza to Kamod Junction including Mahemdavad & Bareja Growth center and various other TP Road of Section- 02 in AUDA Area. (RW No.:-02/2026-27)**

SCHEDULE - B

Item No.	Qty.	Description of Items	Rate		Per	Amount
			In Fig.	In words		
1	0.75	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-	28393.04	Rupees Twenty Eight Thousand Three Hundred Ninety Three & Four Paise Only	Hect	21294.78
2	3000.000	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 within 3.0KM. lead	169.44	Rupees One Hundred Sixty Nine & Forty Four Paise Only	Cmt	508320.00
3	2813.00	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50Mt.lead.	102.93	Rupees One Hundred Two & Ninety Three Paise Only	Cmt	289542.09
4	2250.00	Scarifying gravelled macadam or bitumen macadam surface 6 cm to 10 cm.depth including stacking useful materials on road side and disposing off remaining stuff	39.63	Rupees Thirty Nine & Sixty Three Paise Only	Smt.	89167.50
5	675.00	Construction of Grannular sub base(GSB-I) by providing coarse graded material using B.T Metal 26.5mm to 9.5 mm @ 30 % ,9.5mm to 4.75mm 25% & Coarse sand 45 % in uniform layer with motor grader on prepared surface mixing by mix in place method with vibratory roller to achive the desired density complete as per close 401.	1492.78	Rupees One Thousand Four Hundred Ninety Two & Seventy Eight Paise Only	Cmt	1007626.50
6	193.00	Providing & laying WBM 100mm to 150mm compacted thickness of using B.T. Crushed metal of size 45 mm to 63 mm @ 0.91 Cum material for 10 sqm, stone screening Grading Type A 13.2 mm @ 0.12 cum per 10 sqm, Stone dust @ 0.06 Cum per 10 Sqm, including spreading ,watering & consolidation by vibratory roller etc complete and as directed by Engineer in Charge	2305.83	Rupees Two Thousand Three Hundred Five & Eighty Three Paise Only	Cmt	445025.19

Item No.	Qty.	Description of Items	Rate		Per	Amount
			In Fig.	In words		
7	3300.00	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material to site, laying in uniform layers in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	1553.38	Rupees One Thousand Five Hundred Fifty Three & Thirty Eight Paise Only	Cmt	5126154.00
8	3863.00	Providing & applying evenly priming coat with bitumen Emulsion (SS1) on prepared surface of granular base including cleaning of road surface and sparying primer at the rate of 7.50 Kg. / 10 Smt using mechanical means.	96.65	Rupees Ninety Six & Sixty Five Paise Only	Smt	373358.95
9	1854.00	Providing and laying 50 mm thick Dense Graded Bituminous Macadam in single layer using BT stone chips as per MoRTH gradation and specification with Bitumen Grade (VG 30) for mixing @ 45.00 Kg /MT of total Wt. of mix i.e (4.50 % of total weight mix) including tack coat @ 2.5 kg/10 smt and mixing aggregate & asphalt by Drum mix/Batch mix plant and spreading the same by paver finisher including rolling & consolidation with 10-12 tonne vibratory roller & providing all materials equipment's tools & plants, fire wood, oil , kerosene, labour charges, using contractor's own machinery etc Complete as directed by engineer in charge as per MoRTH Specification	4888.80	Rupees Four Thousand Eight Hundred Eighty Eight & Eighty Paise Only	MT	9063835.20
10	1683.00	Providing and laying 30 mm thick of compacted Bituminous concrete using BT aggregate as per MoRTH gradation ,specification and asphalt Grade VG 30 mixing @54.00 Kg /MT of total Wt. of mix i.e. (5.40% of total weight mix) & tack coat at 2.5Kg/10sqm on existing B.T. surface including heating and mixing aggregate & asphalt by Drum mix/Batch mix plant spreading the same by paver finisher including rolling & consolidation with 10-12 tonne vibratory roller & providing all materials equipment's tools & plants, fire wood, oil , kerosene,labour charges , using contractor's own machinery etc Complete as directed by engineer in charge as per MoRTH Specification	5631.76	Rupees Five Thousand Six Hundred Thirty One & Seventy Six Paise Only	MT	9478252.08

Item No.	Qty.	Description of Items	Rate		Per	Amount
			In Fig.	In words		
11	169.00	Providing and laying 30 mm thick of compacted Bituminous concrete using BT aggregate as per MORTH gradation ,specification and asphalt Grade VG 30 mixing @54.00 Kg /MT of total Wt. of mix i.e. (5.40% of total weight mix) & tack coat at 2.5Kg/10sqm on existing B.T. surface including heating and mixing aggregate & asphalt by Drum mix/Batch mix plant spreading the same by Manually including rolling & consolidation with 10-12 tonne vibratory roller & providing all materials equipment's tools & plants, fire wood, oil , kerosene,labour charges , using contractor's own machinery etc Complete as directed by engineer in charge as per MORTH Specification	5530.76	Rupees Five Thousand Five Hundred Thirty & Seventy Six Paise Only	MT	934698.44
12	5625.00	Providing and laying Asphalt painting as wearing course using bitumen VG 30 @ rate of 5.0 Kg./10 sq.m. and stone dust 0.1 Cum/10 Sqm of road surface etc. complete as per Technical Specifications	54.04	Rupees Fifty Four & Four Paise Only	Smt	303975.00
13	234.00	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil.	189.31	Rupees One Hundred Eighty Nine & Thirty One Paise Only	Cmt	44298.54
14	21.00	Providing and laying cement concrete 1:4:8 (1 Cement : 4- coarse sand : 8- handbrokenstone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	2680.21	Rupees Two Thousand Six Hundred Eighty & Twenty One Paise Only	Cmt	56284.41
15	17.00	Providing and laying cement concrete 1:2:4 (1 Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	3697.92	Rupees Three Thousand Six Hundred Ninety Seven & Ninety Two Paise Only	Cmt	62864.64
16		Supplying and fixing reinforced concrete heavy duty non pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.		Rupees / Only		0.00
(i)	30.00	300mm dia.	649.93	Rupees Six Hundred Forty Nine & Ninety Three Paise Only	Rmt	19497.90
(ii)	30.00	450mm dia.	1176.49	Rupees One Thousand One Hundred Seventy Six & Forty Nine Paise Only	Rmt	35294.70

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(iii)	30.00	600mm dia.	1952.00	Rupees One Thousand Nine Hundred Fifty Two & Only	Rmt	58560.00
(iv)	30.00	900mm dia.	3446.51	Rupees Three Thousand Four Hundred Forty Six & Fifty One Paise Only	Rmt	103395.30
17	100.00	Barricading the entire break down or excavated area on rental basis using wooden ballies / M.S.angles at max. 2.00 meter centre to centre, C.G.I. Sheet, reflective paint / Board out side to avoid accident & for smooth traffic diversion & movement including cautionary board etc. Item also includes for making temporary sufficient nos of lighting arrangement through out the work with necessary required arrangement. The same shall be removed after completion of work.	90.90	Rupees Ninety & Ninety Paise Only	Rmt.	9090.00
18	100.00	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length, 30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing improper line and level, filling the joint with C:M1:3 (1cement:3fine sand) etc complete.	361.65	Rupees Three Hundred Sixty One & Sixty Five Paise Only	Rmt.	36165.00
19	100.00	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidlines of IRC : SP 63-2018 etc. Complete.	686.91	Rupees Six Hundred Eighty Six & Ninety One Paise Only	Smt.	68691.00
20	10000.00	Supply loading, unloading, transportation of ready mix patch work material (cold mix) for potholes reparing work and Laying Compaction completed as per Instruction of engineering in charge	15.85	Rupees Fifteen & Eighty Five Paise Only	Kg.	158500.00
21	50.00	Providing Vibratory roller 8 to 10 tone capacity about 100 cum / hour at site including diesel ,driver with nessasary equipment etc	850.80	Rupees Eight Hundred Fifty & Eighty Paise Only	Hour	42540.00
22	800.00	Providing Hydraulic Excavator 1 cum bucket capacity @ 60 cum per hour for all types of work on Road side including all cost of hiring machinary, oil, labour charges etc.complete.	718.98	Rupees Seven Hundred Eighteen & Ninety Eight Paise Only	Hour	575184.00

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23	100.00	Providing tractor with Hydroulic trolly for all type of works on road side including all charges of driver,oil, diesel etc complete.(8 Hour shift per Day)	1677.64	Rupees One Thousand Six Hundred Seventy Seven & Sixty Four Paise Only	Day	167764.00
24	750.00	Supplying Unskilled Mazdoor (Male/Female) for various works on road site etc complete.	491.87	Rupees Four Hundred Ninety One & Eighty Seven Paise Only	Day	368902.50
25	200.00	Providing & Laying empty cement bag with filling earth incl. steaching the bag and laying as directed incl. all labours etc. complete.	23.23	Rupees Twenty Three & Twenty Three Paise Only	No	4646.00
26	200.00	Providing Water Tanker 6 kl capacity at site of work with 5000 lit capacity of tank	171.19	Rupees One Hundred Seventy One & Nineteen Paise Only	Hour	34238.00
27	20.00	Providing and operation dewatering Pump including fuel charges & operator Charges etc. as directed etc. comp. (Shift for Eight Hour) (For Each Pump Set, No payment should be allowed for non working condition of machinery)	496.92	Rupees Four Hundred Ninety Six & Ninety Two Paise Only	Shift	9938.40
28	30.00	Demolition including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	1057.86	Rupees One Thousand Fifty Seven & Eighty Six Paise Only	Cmt	31735.80
29	30.00	Demolition of Brick work and stone masonry including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.(ii) In Cement Mortar.	550.40	Rupees Five Hundred Fifty & Forty Paise Only	Cmt	16512.00
30	1,500.00	Structural steel work (Confirming to IS 4923-1997) riveted, bolted or welded in built up for all type sections, in framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete as per the structural designs and directions of Engineer in charge.	127.95	Rupees One Hundred Twenty Seven & Ninety Five Paise Only	kg	191925.00
31	200.00	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleaning the surface of all dirt, dust and other foreign matter.	87.81	Rupees Eighty Seven & Eighty One Paise Only	Sqm	17562.00
32	20.00	Providing and fixing FRC catch pit jali with frame 600 mm x 600 mm clear opening tec. Comp. as directed by Engineer in charge.	1515.00	Rupees One Thousand Five Hundred Fifteen & Only	No.	30300.00

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33	100.00	Supplying and fixing cat eye (Stimsonite) made out from Acrilo beaultile sterine injuction high compressed molding with reflector made of MMC (prismatic type of size 12cm x 6cm x 2.5cm) provided with bituminous adhesive 100g. with each unit for fixing. (High Intensity grade)	375.72	Rupees Three Hundred Seventy Five & Seventy Two Paise Only	No.	37572.00
34	200.00	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 @ 250gms per sqm area, thickness of 2.5mm is excluding of surface applied glass beds 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 liminance coefficinet on cemend road shalll 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 for the Retro reflectivity should be two years.	367.73	Rupees Three Hundred Sixty Seven & Seventy Three Paise Only	Sqm	73546.00
35	2.00	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 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 blockof 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 (VR)	3342.18	Rupees Three Thousand Three Hundred Forty Two & Eighteen Paise Only	No	6684.36

Item No.	Qty.	Description of Items	Rate		Per	Amount
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36	2.00	Hazard Marker Sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 90 x 30cms. rectangle as as per the design/drawing attached (IRC) pretreated 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; 3.1m long stand post and frame fabricated from suitable size iron angle of 35 x 35 x 3mm & 50 x 50 x 5mm painted with best quality epoxy coatings The fixing at site shall be in 1:2:4 CC block of size 45x45x60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	2423.74	Rupees Two Thousand Four Hundred Twenty Three & Seventy Four Paise Only	No	4847.48
37	2.00	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)...	14831.71	Rupees Fourteen Thousand Eight Hundred Thirty One & Seventy One Paise Only	No	29663.42

Item No.	Qty.	Description of Items	Rate		Per	Amount
			In Fig.	In words		
38	2.00	Chevron sign :-Providing and fixing sign boards made out of 1.5mm aluminium sheet / 3mm ACP (Aluminum composite Panel); size 60x50cm 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; 3.3 mtr 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 of35x35x3mm; 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 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.(A) Class-B Type-4 Retro Reflective sheeting	3711.75	Rupees Three Thousand Seven Hundred Eleven & Seventy Five Paise Only	No	7423.50
						Total Rs. 29944875.68
						Say Rs. 29944876.00

Estimated Amount put to tender

Rs. 29944876.00

(Rs.Two Crore Ninty Nine Lakh Fourty Four Thousand Eight Hundred Seventy Six Only)

I/ We am/ are willing to carry out work at % above / below Estimated rates as mentioned.

Amount of my tender works out as under.

Estimated Amount put to tender Rs.

deduct / Add Rs.

Below / Above Rs.

Net Rs.

Executive Engineer

AUDA, Ahmedabad.

Dated Signature of Contractor