



**AHMEDABAD MUNICIPAL CORPORATION
(CENTRAL ZONE)**

**TENDER DOCUMENT
FOR**

“Pavement Marking with Hot Applied Thermoplastic Paints, Sign Boards and Various Road Safety Furniture Items in Khadia Ward of Central Zone of Ahmedabad (ARC Tender)”

VOLUME –II PRICE BID

Municipal Commissioner

Ahmedabad Municipal Corporation.

Sardar Patel Bhavan, Dana pith, AHMEDABAD – 380 001

PHONE : 91-079-25391811-30; ext:-528 Fax: 91-079-25354638

www.ahmedabadcity.gov.in

e-mail: info@nprocure.com

AHMEDABAD MUNICIPAL CORPORATION
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AHMEDABAD MUNICIPAL CORPORATION-ENGINEERING DEPARTMENT					
CENTRAL ZONE					
ABSTRACT SHEET					
Name of Work : Pavement Marking with Hot Applied Thermoplastic Paints, Signboard and various Road Safety Furniture items in Khadia ward of Central Zone in Ahmedabad. (ARC Tender)					
Sr no.	Qty	Item	Rate Rs.	Per	Amount Rs.
1	350	Road marking with hot applied thermoplastic paints strictly of Automark - "Specsmark", Asian Paints-"Apcomark", Katalline- "Traffic O" or Berger Paints-"Sigmark" with reflectorising glass beads of Automark-"Autolux Gold", "Swarco", "Sovitec" Asian Paints-Apcobids", "Potters" on bitumen 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 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. (As per approved R.A)	559	Smt	195650
2	100	Providing and laying Road marking with hot applied thermoplastic paints strictly of Automark - "Specsmark", Asian Paints-"Apcomark", Katalline- "Traffic O" or Berger Paints-"Sigmark" with reflectorising glass beads of Automark-"Autolux Gold", "Swarco", "Sovitec" Asian Paints-Apcobids", "Potters" 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 exclusive of surface applied glass beds as per IRC:35. The finished surface to be level, uniform and free from streaks and holes.) Directional Arrow, Lettering (1 word - up to 4 letters), or any kind of Artwork etc. (which shall maximum size upto 2.75 Sqmt out to out) Item shall include providing Stencils for lettering, direction arrow signages, and as per requirement. including cleaning, required maintenance, etc. complete pre and post work. Cost shall also include laying with applicator machine & operating boilers, Skilled Labours for road marking, and Un-Skilled labours for barricading/protection, traffic diversion, and it shall also include wastage of material, etc. Contractor shall be responsible to run his own thermoplastic applicator machine & supply necessary diesel, gas, fuel, etc, also it will be his responsibility to Operate preheater. for good quality of workmanship as instructed by Engg-in-charge. Agency has to quote rate on Nos. work basis which shall include following manpower and machinery for each set). (As per approved R.A)	990	Nos.	99000
3	120	Providing and applying Primer before hot applied thermoplastic paints marking on RCC road surface, which must ensure better adhesion of thermoplastic paint to the surface and also increase paint durability, including all material, manpower, tools and machineary required for work, with all required safety standards to work in running traffic conditions, as per standards and as instructed by engg in charge Agency has to quote rate on Sq.Mt. work basis).(As per approved R.A)	47	Smt	5640
4	50	Providing & applying C.R. Base Road Marking Painting lines, dashes, arrow, letters etc. on Road in two coats on new Work with ready mixed road marking paint conforming to IS:164 and AASHTO standard M-248-90 on concrete/ bituminous surface,including required additive/ solvent, providing safety cones,barricades, string, chalks or req. colour for line marking,etc. Cleaning the surface, removing of all dirt , dust & other foreign matter and clear the site as per engineer incharge.(As per approved R.A)	219	Smt	10950

5	5	Standard Delineator: Providing and fixing of Standard Metal Delineator consisting of minimum retro reflective unit exposed area of 330 cm ² white color, full cube corner micro prismatic non-metallic retro reflective sheeting on each side conforming with IRC 67 2012 and meeting the coefficient of retro reflection values as per ASTM D 4956 Type XI table specification. The delineator shall be painted with powder coat of minimum 40 microns thickness, on top of which retro reflective sheeting shall be pasted on both sides. The structure shall be manufactured in roll forming process and shall have height not less than 800 mm above the ground, width not less than 100 mm and shall extend not more than 300mm below the ground while being installed. height of sheeting should be minimum 150mm whereas width of sheeting should not be less than 75mm (should be placed every alternative 15cm). The front and back faces of the delineator should be curved with a radius of not more than 200 mm and with delta angle (or central angle of curve) lying between 20o and 30o, to increase the visibility of the delineator for vehicles moving in continuous curves. The delineator shall have grooves across the length to make the reflective sheets vandal-proof. The delineator is meant for application on gaps in median, traffic islands, dangerous bends, roundabouts, narrow bridges etc. or as desired by site engineer(As per SOR AHMEDABAD 2023-24 Item code 26166)	1017	Each	5085
6	5	AFP (Aluminum Backed Flexible Prismatic): Providing and fixing Aluminum backed flexible prismatic sheeting,consisting of yellow/black colored flexible prismatic sheet with non mettalic prismatic lens as retro reflective elements and confirming to ASTM D4946 Type VI specifications for reboundableretror efective sheeting. This flexible prismatic sheeting shall be of 30 cm width and laminated at the back with a 50 micron Aluminum(Al) foil with pressure sensitive adhesive and liner. Further, this flexible prismatic sheeting shall have screen printed arrow/slant line pattern in black color in a continuous roll format. The AFP sheeting,with the liner removed, shall be applied with a neoprene contact adhesive with a Polychloropreneas base,viscosityof 200-450 cp sand solid content of 20-30%. Once applied, the edgesof the product shall be sealed all around with a two-partepoxy based structural adhesive and shall be extremely resist to peel off. A test report from institutes like ARAI/CRRRI confirming to above mentioned flexibility and ASTM-D 4956-09 Type-VI retroreflectivity performance of the flexible prismatic sheeting used in AFP shall be submitted as directed by Engineer-In-Charge.(SOR 23-24 Item code 26165)	6,312.00	Each	31560
7	5	Hazard Marker Sign: - Providing and fixing sign boards made out of 2.0 mm aluminum sheet / 4 mm ACP (Aluminum composite Panel); size 90x30 cms. rectangular as per design of IRC-67-2012. Pretreated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorized with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T. Specifications; 1.8mtr long stand post of 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 best quality epoxy coatings in black and white bends. The details of symbol foreach 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 10 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-C Type-11 Retro Reflective sheeting. (SOR AHMEDABAD 2023-24 Item code 26102C)	3,630.00	Nos.	18150

8	1	Solar Stud: Supplying of Solar Raised Pavement Markers made of polycarbonate molded body with circular shape, solar powered, LED self illumination in active mode, 360 degree illumination and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face in passive mode. The marker shall support a load of 20000 kg tested in accordance to ASTM D 4280. The marker should be resistant to dust and water ingress according to IP 65 standards and should withstand temperatures in the range of 0 C to 70 C. Color of lighting could be provided in red or yellow (amber) as per requirement and typical frequency of blinking is 1 Hz. There should be current losses of less than 20 micro-amperes at 2.4 V in sleepcharging mode to enhance the life of the marker and a full charge should provide for a minimum autonomy of 50 hours. The height, width and length of the marker shall not be less than 10 mm x 100 mm x 100 mm. Also, the surface diameter of the marker shall not be less than 100 mm respectively. The weight of the marker shall not exceed 0.5 Kilograms. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturers recommendation and complete as directed by the engineer(SOR AHMEDABAD 2023-24 Item code 26167)	2,068.00	Nos.	2068
9	2	Providing and fixing Free Left Retro Reflective sign boards 2mm aluminum sheet / 4mm ACP (Aluminum composite Panel); size 80x60 cm plate as per design of IRC 67-2012 And Frame (25 x 25 x 3 mm) with logo in vertical Pole (65 NB, 3.3 Mt Height) . ACP sheet 3 mm Aluminum/4 mm ACP sheeting fixed with type XI class-c micro prismatic Grade sheeting as per IRC 67: 2022(ASTM D 4956-09) Retro reflective sheeting of Brand of 3M or Avery of size 0.75 M X 0.65 M lettering and signs as applicable with excavating Removing pavement(0.45x 0.45 x0.60)with Concreting Including form Work M25(0.45 x 0.45 x 0.60) etc. Transportation work including loading, unloading, uploading And Lead up to site. Installation and erection. charge(Including all installation and machinery and labors).Nothing shall be paid extra for carting from factory to the fixing site within AMC limit. The rate including contractor profit, overhead charge and Excluding GST etc.complete.(As per R.A)	6,519.11	Nos.	13038.22
10	5	Tree Guard sign :-Providing & fixing sign board made out of 2mm aluminium sheet / 3mm ACP (Aluminum composite Panel) , size 30cms diameter circle, pretreated with phosphating process and acid etching, painted 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. A warranty for 10 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-C Type-11 Retro Reflective sheeting (As per SOR AHMEDABAD 2023-24 Item code 26107C)	526	Nos.	2630
11	2	Give Way Sign: - Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 75 x 75 x 90 cm equilateral triangle plus 60 cm x 20cm rectangular additional plate as per design of IRC-67-2012. Pretreated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T. Specifications; 3.6mtr long stand post of 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 best quality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:1:2 CC block of size 45 x 45 x 60 Cm for each leg. Including excavation, curing etc. complete under the supervision of engineer in charge. A warranty for 10 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-C Type-11 Retro Reflective sheeting. (As per R.A)	5,009.00	Nos.	10018

12	5	<p>STOP Sign: - Providing and fixing sign boards made out of 2mm aluminum sheet / 4mm ACP (Aluminum composite Panel); size 75 cm Octagon as per design of IRC-67-2012. Pre-treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T. Specifications; 3.6 mtr long stand post of 65NB Circular MS Pipe 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 for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:1:2 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 10 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-C Type-11 Retro Reflective sheeting(As per previous tender rate)</p>	7,035.00	Nos.	35175
13	2	<p>Arrow type sign boards :Providing and fixing Arrow type sign boards made out of 4mm ACP (Aluminum composite Panel); size 120 cm x 45 cm (2 Nos) Triangular plate made out of Retro Reflective sheeting of Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T. Specifications fixed over ACP sheet supported with Back Support Square of 25x25x2 mm MS angle 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, firmly fixed 3.6 mtr long stand post of 75 x 75 x 6mm / 65NB Circular SS Pipe as require to ground by means of properly designed foundation with M20 grade of cement concrete 45 cm x45 cmx 60 cm, for each leg with with (2 nos) 300mm long holdfasts welded with pole in opposite directions of angle section size 32 x 32x 2 mmIncluding excavation, curing etc. Complete under the supervision of engineer in charge. A warranty for 10 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-C Type-11 Retro Reflective sheeting.(As per RA)</p>	10,574.00	Nos.	21148
14	1	<p>SS dual Sided Landmark / Tourist Information Signboard : Providing and fixing Dual sided landmark name/ signboard of size 1800x1220 mm made out of Retro Reflective Sheeting of micro Prismatic grade conforming to IRC 67: 2022 & Type Xistandards of ASTM D4956-09 specifications ,fixed over 4 mm ACP sheets supported with back Support square pipe of 25x25x2 mm stainless steel angle of 304 grade, supported on a stainless stell pipe of 76.2 OD, 2.11 mm tick of 304 grade & surrounded by SS pipe of 38.10 mm OD, 1.2 mm tick of SS 304 Grade ,firmly fixed to the ground by means of properly designed foundation with M20 grade cement concrete 45cm x45cm x60cm, 60 cm below ground level as per approved drawing. The message (Legebds ,Letter, Numericals,etc.) and borders shall either be screen printed or of cut out from durable Transparent overlay film or cut from same type of sheeting as per Type -XI standards. Specifications : as per IRC 67 -2022 ,10 Year warranty for retro reflective sheeting from the original sheeting manufacture & a certificate copy of three years outdoor exposure report from an indepedent test lab for the product offered shall be submited by the contractor. (Bottom of the board shall be 900 mm above ground level) specifications : IRC 67: 2022 . There shall be stamp behind the ACP sheet carrying the name of the supplier name of sheeting manufacturer , Type of Retro reflective sheeting , Installtion month & year as per cluase 12.2 of IRC 67-2022 (As per approved RA by Traffic Department)</p>	46,470.00	Nos.	46470

15	2	Sign board per Square Meter : -Providing and fixing sign boards made out of 2mm aluminum sheet / 4mm ACP (Aluminum composite Panel); size 1 meter x 1 meter as per design of IRC- 67-2022. Pretreated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorized with Micro Prismatic Grade retroreflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T. Specifications; 1 Nos. long stand post clear height min 2.1m of 75 x 75 x 6mm / 65NB Circular MS Pipe as required 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 60 Cms. for each leg with (2 nos) 300mm long holdfasts welded with pole in opposite directions of angle section size 32 x 32x 2 mm. Including excavation, curing etc. complete under the supervision of engineer in charge. A warranty for 10 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-C Type-11 Retro Reflective sheeting	12,189.00	Sqm	24378
		(SOR AHMEDABAD 2023-24 Item code 26103C)			
		(Item derived in Sqmt, from size of 1.0x1.0m Each no.)			
16	1	Direction (Junction) Sign: - Providing and fixing sign boards made out of 2mm aluminum sheet / 4mm ACP (Aluminum composite Panel); size 244x122 cm rectangular as per design of IRC-67-2022. Pre-treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D- 4956 and latest M.O.S.T. Specifications; 4.0mtr long (2 Nos.) stand post of 75 x 75 x 6mm / 65NB Circular MS Pipe as required 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 foreach 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 Cm for each leg with (2 nos) 300mm long holdfasts welded with pole in opposite directions of angle section size 32 x 32x 2 mm. Including excavation, curing etc. complete under the supervision of engineer in charge. A warranty for 10 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-C Type-11 Retro Reflective sheeting(SOR AHMEDABAD 2023-24 Item code 26098C)	26,309.00	Nos.	26309
17	1	Regulatory / Mandatory Sign: - Providing and fixing sign boards made out of 2mm aluminum sheet / 4mm ACP (Aluminum composite Panel); size 60 cm Dia Circle plus 60 cm x 20cm rectangular additional plate as per design of IRC67-2012. Pre-treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T. Specifications; 3.6mtr long stand post of 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 best quality epoxy coatings in black and white bends. The details of symbol foreach board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:1:2 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 10 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-C Type-11 Retro Reflective sheeting.(As per R.A)	5481	Nos.	5481

18	2	Cautionary Warning Sign: - Providing and fixing sign boards made out of 2mm aluminum sheet / 4mm ACP (Aluminum composite Panel); size 60 x 60 x 60 cm equilateral triangle plus 60 cm x 20cm rectangular additional plate as per design of IRC-67-2012. Pretreated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T. Specifications; 3.6mtr long stand post of 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 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 1:1:2 CC block of size 45 x 45 x 60 Cm for each leg. Including excavation, curing etc. Complete under the supervision of engineer in charge. A warranty for 10 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-C Type-11 Retro Reflective sheeting.(As per R.A)	5009	Nos.	10018
19	1	Facility Informatory Sign: - Providing and fixing sign boards made out of 2mm aluminum sheet / 4mm ACP (Aluminum composite Panel); size 60 x 45 cm rectangular plus 60 cm x 20cm rectangular additional plate as per design of IRC-67-2012. Pre-treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T. Specifications; 3.6mtr long stand post of 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 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 1:1:2 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 10 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-C Type-11 Retro Reflective sheeting (As per R.A)	5373	Nos.	5373
20	550	CAT-EYE :-Supplying of Moulded Twin Shank Raised Pavement Markers made of polycarbonates and ABS moulded body and reflective panels with Micro Prismatic Lens(No Glass Bed Lens) capable of Providing total internal reflection of the light entering the lens face and shall support a load of 13635 kgs. tested accordance to ASTM D 4280 Type H and complying to specification of category A of MORTH Circular NO RW/NH/33023/10-97-DO III Dt.11.06.1997. The height, width and length shall not exceed 20 mm,130 mm and 130mm and with minimum reflective area of 13 sqcm on each side and slope to the base shall be 35+/-5 degree.The strength of detachment of integrated cylindrical shank,(of diameter not less than 19+/-2 mm and height not less than 30+/-2 mm) from the body is to be a minimum value of 500 kgf. Fixing will be by drilling holes on the road for the shank to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and The color of the marker should be as per the IRC 35-2015 and as directed by Engineer-In-charge.(R&B SOR 2023-24 Item code:26162A)	323	Nos.	177650
21	350	Flexible Median Marker :- Providing and Fixing of Flexible Median Marker that are made of tough, high impact resistant, injection-molded, thermoplastic body with property of flexibility to provide high durability. The dimension of Flexible Median Marker should not exceed 18.4 cm in height(including shank height),12.5 Cm in width, .0.65 cm in thickness and shank depth shall be 3.4 cm The body structure shall be rounded at all its corners and edges. The plastic used for molding the Flexible Median Marker should survive impact load of 5kg continuously for 750 times at room temperature. The logo of the manufacturer shall be embossed on either side of the body in the injection molding process. The Median Marker shall have flame like shaped body with, fluorescent yellow color retro-reflective sheeting of size not less than 90 Cm square, with fully reflective micro prismatic cube corners as its retro-reflective elements as per IRC 67 2012 and ASTM D4956-	269	Nos.	94150

		09 type XI specifications reflectivity values. The retroreflective sheeting shall be one or both sides of the Flexible Median Marker and shall be edge protected with no exposed edges which will prevent edge lifting, vandalism, sheeting damage, etc. The Flexible Median Marker shall be fixed by a combination of epoxy adhesive and grouting as recommended by manufacturer and Engineer in charge.(SOR AHMEDABAD 2023-24 Item code 26164)			
22	5	Providing and fixing Swiss type bollard made out of 1.5mm CRC sheet ,height 140cms,bottom dia 23cm,top dia 12cm with direction plate of 30 cm dia fabricated necessary anchors as directed and also provide through out length pipe of 25 NB for the strenthning of bollard and reflectorised Micro Prismatic Grade Sheet (Type XI)and three yellow strip 6 Inches wide of Type XI Retro reflective Sheeting, fixing with P.C.C M25 grade concrete(Foundation size 30cm×30cm×35cm).(As per AMC Traffic Department SOR)	3750	Nos.	18750
23	6	Poly Urethane:Flexible Bollard - Providing and fixing Poly Urethane:Flexible Bollard made out of TPU (Thermoplastic Urethane Poly Ethelene) and UV stabilized material, shall have high flexiblity and no fedding colours, shall have fixed 3 bends of 100mm width type-I retro-reflective sheeting tape of white colour which sheeting shall be fixed on posts using special adhesive, which shall not easy to tear, the cylindrical shape pillar shall have diameter 160mm, height 1370mm, with square base of 250x250mm, it shall have weight over 5.0kgs, Upper circular head shall be made of PE (Poly Ethelene) / PPCP (Polypropylene copolymer) material with 410mm dia, print area of circular head part shall be 390mm, both the parts shall be fixed with each other by rivetting and special glue material, with peripheral boarder of black colour made of same kind of material, which shall have printed one side direction indication sign and another side AMC Logo on micro prismatic type-XI retro-reflective sheeting. The flexible bollards shall be fixed by nail of 12mm dia x 200mm length, by drilling in existing concrete / or any hard surface by drilling and fixing by epoxy resin and hardner of make brand 3M or same kind of approved brand material. Rate shall include cost of bollard with specified material, all kind of required fixing materials and fixed at site including all fixing charges, surface preparation of any site condition as per work requirements, with all lead and lift, and transportation of any distance. The work shall be executed in direction of the engineer in charge. (As per approved RA of Traffic Project)	6950	Nos.	41700
24	6	Supply and fixing of Spring post extremly flexible and soft so as not to damage the vehicle the vehicle at collision and to be restored soon at its original. The material of the body should be UV stabilised and non-fading color with 3 bands of high quality of Reflective sheeting of min 50mm. The Height of the post should be 800mm, Top dia of 80mm and base should be 200mm, complete with fixing at site with nails/ anchor fasters as directed by Engineer incharge (As per R.A)	1340	Nos.	8040
25	1	Directional Type Signboard : - Providing and fixing direction / any purpose sign boards made out of 2mm aluminum sheet / 4mm ACP (Aluminum composite Panel); size 150 x 120 cm rectangular as per design of IRC-67-2022. Pre-treated with phosphating process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorized with Micro Prismatic Grade retro reflective sheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T. Specifications; 4.2 mtr long stand post of 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 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 1:1:2 CC block of size 45 x 45 x 60 Cms. for each leg with (2 nos) 300mm long holdfasts welded with pole in opposite directions of angle section size 32 x 32x 2 mm. Including excavation, curing etc. Complete under the supervision of engineer in charge. A warranty for 10 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-C Type-11 Retro Reflective sheeting (As per RA)	22100	Nos.	22100
26	10	Rubber Flexible-Pole with Base (Traffic Guide Posts)	2752	Nos.	27520

	<p>Supply and installation of Rubber Flexible-Pole with Base (Traffic Guide Posts) with a minimum one-year warranty, designed for road safety applications. The Rubber Flexible-Pole should be manufactured using high-quality blends of natural and synthetic rubbers compounded with reinforcing fillers, UV-stabilised colours, and specialised rubber chemicals to ensure durability, elasticity, and resistance to degradation. The material composition must be verified through chemical analysis as a blend of rubbers, fillers, and chemicals per ASTM D 3677-2010.</p> <p>The poles shall feature three Type VIII retroreflective tapes, each with a minimum height of 50 mm, conforming to AIS-090:2005 for enhanced daytime and nighttime visibility with multi-angle reflection. UV-stabilised Orange Red colour; strong/flexible with self-recovery; height 800 \pm2 mm; base dia. 220 \pm2 mm; stem bottom dia. 80 \pm2 mm; stem top dia. 67 \pm2 mm; reflector width 51 \pm1 mm and weight 2.7 \pm5% kg.(As per approved R.A.)</p>			
		Estimated Tender Amount	958051.22	

Seal and Signature of the Bidder

Additional City Engineer
(Central Zone)

Date:

Ahmedabad Municipal Corporation

TENDER ABSTRACT

Name of Work :- Pavement Marking with Hot Applied Thermoplastic Paints, Signboard and various Road Safety Furniture items in Khadia ward of Central Zone in Ahmedabad. (ARC Tender)

TENDER NO	DESCRIPTION	AMOUNT RS.
1	Pavement Marking with Hot Applied Thermoplastic Paints, Signboard and various Road Safety Furniture items in Khadia ward of Central Zone in Ahmedabad. (ARC Tender)	Rs. 958051.22
Estimated Tender Amount Rs.		Rs. 958051.22

Contractor's Quoted Rate: -

+

.....% Above

—

OR

..... % Below

Net Tender Amount Rs.

(Rupeesonly)

Seal and Signature of the Bidder

Additional City Engineer
(Central Zone)

Date:

Ahmedabad Municipal Corporation

Check List before submission of tenders

- 1 **Tenderer to submit tenders in a sealed big envelope super scribed as “Pavement Marking with Hot Applied Thermoplastic Paints, Signboard and various Road Safety Furniture items in Khadia ward of Central Zone in Ahmedabad. (ARC Tender)**
on or before the scheduled date and time as mentioned in tender notice.
- 2 Tenderer to note the last date and time of submission of Tenders. Tender should be sent by Registered post A.D. sufficiently well in advance or by speed post or courier or by hand delivery only, so as to reach before last hour of acceptance. **Late tenders received shall not be opened.**
3. Tender fee & Earnest Money Deposit to be submitted along with the technical bid as stated in tender notice.
4. All informations / details to be submitted in the given Performa supported by the valid certificates duly signed & attested. (Please refer “**Information / Details to be submitted by the Tenderers in the Performa mentioned under Statement no 1 to 9**”)
5. The tender documents to be filled completely in every respect and all pages shall be signed before submission.
6. Tenderer to submit all the valid / certified documents in support of their initial / eligibility criteria mentioned above along with the technical bid.
7. Tenderer to submit the income tax clearance certificate.
8. Tenderer to submit the solvency certificate for an amount equal to 20 % of the estimated cost of works. A solvency certificate to this effect shall be submitted by him from any nationalized bank. If he fails to produce such a certificate, his tender will not be considered.
- 9 Tenderer to submit the tender documents in a big envelope containing two separate envelopes to be kept therein duly sealed – one for technical bid & second for price bid. The big envelope shall contain two envelopes separately i.e. for Technical bid (Volume-I) & Price bid (Volume-II). The both documents (Volume-I & II) has to be submitted in duplicate. i.e. 01 original and 01 duplicate

Check list of Tender

Tenderer to submit all the valid / certified documents in support of their initial / eligibility criteria mentioned below along with the bid.

Sr no	Detail	Tick mark
1	Tender fee	
2	Earnest Money Deposit	
3	Register class	
4	Employees Provident Fund certificate or Tender declaration for E.P.F	
5	Minimum 7 years Document proof 1. one work not less than the Rs.1.6 Cr., 2.Two work Rs. 1 Cr., 3.Three work Rs. 80 Lakh.	
6	Average annual turnover in last three year should be more than 30% of Estimated cost	
7	Income tax clearance certificate(latest)	
8	solvency certificate (20% of Estimated cost)	
9	On Going works Details with document proof	
10	Statement no.1. DECLARATION FORM	
11	Statement no.2.PROVIDENT FUND AND MISCELLANEOUS	
12	Statement no.3 CURRICULAM VITIATAE FORM	
13	Statement no.4 FINANCIAL CAPACITY	
14	Statement no.4/A AVAILABLE BID CAPACITY	
15	Statement no.4/B AVAILABLE BID CAPACITY	
16	Statement no.5/A,B,C forms	
17	Statement no.6 CONTRACT LOST BY PARTY EVEN WHEN CONTRACTOR'S PRICE IS LOWEST (IN INDIA)	
18	Statement no.7 ONGOING LITIGATION / ARBITRATION	
19	Statement no.8 DETAILS OF PLANT & MACHINERY AT THIS WORK	
20	Statement no.9 METHOD STATEMENT AND WORK PLAN	

21	Form1. GENERAL INFORMATION	
22	Special Note. Indicated with Bidders sign and seal	
23	Tender Declaration form	
24	Addendum if any.	
25	Pages of tender documents shall be initialled by the tenderer with company's seal.	
26	Original and Duplicate copy of tender	
27	Contractor must have to submit a certificate of being authorized converter of approved manufacturers as per specification and usage conformation certificate of approved brand and manufacture.	
28	Establishment view profile/Apprenticeship Training portal SKILL INDIA	