

Name of Work :: Installation of Fire Safety System & Other Misc. Work at Mahudha ITI Building, Dist. Kheda.

INDEX OF SPECIFICATION

Item No.	Item Description	Unit	Applicable Specification	Specification Booklet Attached
[1]	Fire Fighting Fire Pump Room & Accessories Supplying, Installation, Testing and commissioning of Electric driven Main Fire Hydrant pump suitable for automatic operation and consisting of following: Horizontal type, centrifugal End Suction pump of cast iron body & CI impeller , gland packing to ensure a minimum pressure of 3.5 kg / sq.cm. at highest and farthest outlet at specified flow of 1120 LPM @ 60M. head with M.S.fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required	No	As per separate sheet attached	As per Attached Sheet
[2]	Supplying, Installation, Testing and commissioning of Jockey Pump 10.8M3/hour @60M Head.Horizontal Centrifugal End Suction. with M.S.fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required	No	As per separate sheet attached	As per Attached Sheet
[3]	Supplying, Installation, Testing and commissioning of Diesel Engine driven Main Fire Hydrant pump suitable for automatic operation and consisting of following: Horizontal type, centrifugal End Suction pump of cast iron body & CI impeller , gland packing to ensure a minimum pressure of 3.5 kg / sq.cm. at highest and farthest outlet at specified flow of 1120 LPM @ 60M. head with M.S.fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required	No	As per separate sheet attached	As per Attached Sheet
[4]	Supplying, Installing and fixing Diesel Engine (Pump) 130AH 24M Genset Battery relevant to the required capacity.	No	As per separate sheet attached	As per Attached Sheet
[5]	Supplying, Installing and fixing of Diesel Engine (Pump) fuel Storage tank No Diesel is in scope	No	As per separate sheet attached	As per Attached Sheet
[6]	Supplying, Installing and fixing & Wrapping of Exhaust pipe with Insulation. it should be bigger then diesel discharge line. 80 MM Dia Pipe	Rmt	As per separate sheet attached	As per Attached Sheet
[7]	Supplying, Installation, Testing and commissioning of cubical type floor mounted power cum Fire Pump control panel complete with suitable switch gear, bus bars, relays, contractors, indicating lamps, fuses, instruments manual isolator & auxillary switch including connections complete as required.(Contractor should submit GA Drawing for approval before deliver the Panel at Site)	No	As per separate sheet attached	As per Attached Sheet
[8]	Providing, fixing, testing and commissioning below Caballing work for Fire Pumps (Only from Panel to Pumps) 3 C X 35 Sqmm Alluminium Armoured	Rmt	As per separate sheet attached	As per Attached Sheet
[9]	Providing, fixing, testing and commissioning below Caballing work for Fire Pumps (Only from Panel to Pumps) 3 C X 16 Sqmm Alluminium Armoured	Rmt	As per separate sheet attached	As per Attached Sheet
[10]	Providing, fixing, testing and commissioning below Caballing work for Fire Pumps (Only from Panel to Pumps) 2 C X 1.5 Sqmm Copper Armoured.	Rmt	As per separate sheet attached	As per Attached Sheet
[11]	Providing, fixing, testing and commissioning below Caballing work for Fire Pumps (Only from Panel to Pumps) Perforated G.I.sheet cable tray Cable Tray .300X300X50mm .	Rmt	As per separate sheet attached	As per Attached Sheet
[12]	Providing, fixing, testing and commissioning below Caballing work for Fire Pumps (Only from Panel to Pumps) Perforated G.I.sheet cable tray Cable Tray .150X150X50mm .	Rmt	As per separate sheet attached	As per Attached Sheet
[13]	Providing, fixing, testing and commissioning G.I. Earthing strips of 50MM x 6MM thick, strip shall be run on floor / ceiling / walls, from the equipment to the nearest Earth pit with neccessory accessories as required. (Earth pit shall be executed by other agencies).	Rmt	As per separate sheet attached	As per Attached Sheet
[14]	Cutting hole by Mechanical Means of upto 200 mm dia in slab/beam throughout the thickness	No	As per separate sheet attached	As per Attached Sheet
[15]	Providing, fixing, testing & commissioning of Glicerine Filled dial type Pressure Gauge and range of 0-15 Kg/cm ²	No	As per separate sheet attached	As per Attached Sheet
[16]	Providing, fixing, testing & commissioning of Pressure Switches for automation of fire pumps. Pressure switches shall be double pole single throw type suitable for 3 phase supply with diaphragm. Aluminum Enclosure with IP 66 protection as required..	No	As per separate sheet attached	As per Attached Sheet

Item No.	Item Description	Unit	Applicable Specification	Specification Booklet Attached
[17]	Supplying, Installation, Testing and commissioning Sluice Gate Valve - Cast Iron PN-1.6 (Flanged). Hand Wheel Operated to IS: 1538 with Fittings, Flanges, Nutbolts, Washers, Gaskets etc.of size: 150mm dia (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[18]	Supplying, Installation, Testing and commissioning Sluice Gate Valve - Cast Iron PN-1.6 (Flanged). Hand Wheel Operated to IS: 1538 with Fittings, Flanges, Nutbolts, Washers, Gaskets etc.of size: 80mm dia (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[19]	Supplying, Installation, Testing and commissioning of C.I.Butterfly valve conforming to I.S:13095 class PN 16 rating with Fittings, Flanges, Nutbolts, Washers, Gaskets etc.of size: 150mm dia. (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[20]	Supplying, Installation, Testing and commissioning of C.I.Butterfly valve conforming to I.S:13095 class PN 16 rating with Fittings, Flanges, Nutbolts, Washers, Gaskets etc.of size: 100mm dia (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[21]	Supplying, Installation, Testing and commissioning of C.I.Butterfly valve conforming to I.S:13095 class PN 16 rating with Fittings, Flanges, Nutbolts, Washers, Gaskets etc.of size: 80mm dia. (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[22]	Providing, fixing, testing and commissioning of C.I. Dual plate type Non-Return Valve class PN 16 rating with fittings, flanges, nutbolts, washers, gaskets etc.of sizes: 150mm dia (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[23]	Providing, fixing, testing and commissioning of C.I. Dual plate type Non-Return Valve class PN 16 rating with fittings, flanges, nutbolts, washers, gaskets etc.of sizes: 80mm dia (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[24]	Supplying, Installation, Testing and commissioning of Rubber Bellow conforming to I.S:Standard class PN 16 rating with Fittings, Flanges, Nutbolts, Washers, Gaskets etc.of size: 150mm dia. (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[25]	Supplying, Installation, Testing and commissioning of Rubber Bellow conforming to I.S:Standard class PN 16 rating with Fittings, Flanges, Nutbolts, Washers, Gaskets etc.of size: 80mm dia. (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[26]	Supply, Installation, Testing and Commissioning of S.S. Ball Valves with all fittings required. 25mm dia. (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[27]	Supply, Installation, Testing and Commissioning of S.S. Ball Valves with all fittings required. 15mm dia. (For fire pump room & Accessories)	No	As per separate sheet attached	As per Attached Sheet
[28]	Providing, fixing, testing and commissioning of Above Ground GI. ERW B Class Heavyduty pipes as per IS: 1239 (upto 150 mm dia.) and IS: 3589 (upto 200 mm dia. And above) including cutting, screwing, welding etc. and providing all fittings like flanges, bends, tees, elbows, reducers, clamps, hangers etc. with painting of one coat of primer and 2 or more coats of synthetic enamel paint of approved make / shade complete as per specification. 150mm dia	Rmt	As per separate sheet attached	As per Attached Sheet
[29]	Providing, fixing, testing and commissioning of Above Ground GI. ERW B Class Heavyduty pipes as per IS: 1239 (upto 150 mm dia.) and IS: 3589 (upto 200 mm dia. And above) including cutting, screwing, welding etc. and providing all fittings like flanges, bends, tees, elbows, reducers, clamps, hangers etc. with painting of one coat of primer and 2 or more coats of synthetic enamel paint of approved make / shade complete as per specification. 100mm dia	Rmt	As per separate sheet attached	As per Attached Sheet
[30]	Providing, fixing, testing and commissioning of Above Ground GI. ERW B Class Heavyduty pipes as per IS: 1239 (upto 150 mm dia.) and IS: 3589 (upto 200 mm dia. And above) including cutting, screwing, welding etc. and providing all fittings like flanges, bends, tees, elbows, reducers, clamps, hangers etc. with painting of one coat of primer and 2 or more coats of synthetic enamel paint of approved make / shade complete as per specification. 80mm dia	Rmt	As per separate sheet attached	As per Attached Sheet

Item No.	Item Description	Unit	Applicable Specification	Specification Booklet Attached
[31]	Providing, fixing, testing and commissioning of Above Ground GI. ERW B Class Heavyduty pipes as per IS: 1239 (upto 150 mm dia.) and IS: 3589 (upto 200 mm dia. And above) including cutting, screwing, welding etc. and providing all fittings like flanges, bends, tees, elbows, reducers, clamps, hangers etc. with painting of one coat of primer and 2 or more coats of synthetic enamel paint of approved make / shade complete as per specification. 25mm dia.	Rmt	As per separate sheet attached	As per Attached Sheet
[32]	Providing, fixing, testing and commissioning of Under Ground GI. ERW B Class Heavyduty pipes as per IS: 1239 (upto 150 mm dia.) and IS: 3589 (upto 200 mm dia. And above) including cutting, screwing, welding etc. and providing all fittings like flanges, bends, tees, elbows, reducers, clamps, hangers etc. with Anti Corrosive Treatment for underground pipe acrossing the road and plant entrance lines with primer & one coat of 3 MM thick anti corrosive tape. 100mm dia	Rmt	As per separate sheet attached	As per Attached Sheet
[33]	Excavation and back Filling of soft soil for under ground pipe line of 0.6 mtr. Deep from the ground level. (Depth 0.6 mtr * 0.8 mtr Wide)	Rmt	As per separate sheet attached	As per Attached Sheet
[34]	Providing, fixing, testing and commissioningMS steel supports with Channels & Angle supports for Pumps, Hydrant and Sprinklers pipe line (Kg.)	Kg	As per separate sheet attached	As per Attached Sheet
[35]	Supplying, installing and commissioning of Foot Valve with,suitable flanges, nuts, bolts, gaskets etc. complete. 100mm dia	No	As per separate sheet attached	As per Attached Sheet
[36]	Supplying, installing and commissioning of Foot Valve with,suitable flanges, nuts, bolts, gaskets etc. complete. 80mm dia	No	As per separate sheet attached	As per Attached Sheet
[37]	Fire Fighting Equipement Providing, fixing, testing and commissioning of SS Single Headed Oblique Pattern Hydrant Landing Valves as per IS: 5290 with 80 mm dia flanged inlet & 63 mm dia female outlet complete with cap and chain etc.	No	As per separate sheet attached	As per Attached Sheet
[38]	Providing, fixing, testing and commissioning of SS Branch Pipe with nozzle of 25 mm nominal bore outlet suitable to fit with standard instanteneous type 63 mm dia coupling. As per IS:903	No	As per separate sheet attached	As per Attached Sheet
[39]	Providing, fixing, testing and commissioning of 63 mm dia 15m long RRL Hose Pipe with 63 mm dia.Type A Male and female Stainless Steel couplings duly binded with GI wire, rivets etc. conforming to IS 636 as required.	No	As per separate sheet attached	As per Attached Sheet
[40]	Providing, fixing, testing and commissioning of weather proof standard fire Hose Cabinet wall mounting type 18 Guage. (750 x 600 x 250) having Double Opening with M.S. fabricated stand, necessary locking arrangement by allan key.	No	As per separate sheet attached	As per Attached Sheet
[41]	Providing, fixing, testing and commissioning of Wall mounting Fix type First aid Fire Hose Reel with drum, hanging bracket, 36 M x 25 mm dia high pressure hose reel tubing as per IS:884 with shut nozzle and ball valve and all required accessories.	No	As per separate sheet attached	As per Attached Sheet
[42]	Providing, fixing, testing and commissioning of Two Way Fire Brigade Inlet for Draw Out Connection with 100mm dia Foot Valve. blank cap and chain with necessary fittings, flanges, nutbolts etc. (Make: Shah Bhogilal/Safex/Winco)	No	As per separate sheet attached	As per Attached Sheet
[43]	Providing, fixing, testing and commissioning of 25 mm dia Air Release Valve and Ball Valve assembly on top of each riser for Air release system.	No	As per separate sheet attached	As per Attached Sheet
[44]	On-Off Pump Trigger System. Providing, fixing, testing and commissioning of On-Off Switch.	No	As per separate sheet attached	As per Attached Sheet
[45]	Providing, fixing, testing and commissioning of 3 Core X 1.5 Sqmm flexible Cable with PVC Condiut.	Rmt	As per separate sheet attached	As per Attached Sheet
[46]	Providing, fixing, testing and commissioning of below Auto Glow Signages. Emergency Exit 4" X 12"	No	As per separate sheet attached	As per Attached Sheet
[47]	Providing, fixing, testing and commissioning of below Auto Glow Signages. Fire Fighting Equipements .8" X 12"	No	As per separate sheet attached	As per Attached Sheet
[48]	Providing, fixing, testing and commissioning of below Auto Glow Signages. Fire Extinguisher 4" X 12"	No	As per separate sheet attached	As per Attached Sheet
[49]	Providing and fixing of conventional manual call point	No	As per separate sheet attached	As per Attached Sheet
[50]	Providing and fixing of conventional horn cum strobe	No	As per separate sheet attached	As per Attached Sheet
[51]	SITC Of Conventional Fire Alarm Panel	No	As per separate sheet attached	As per Attached Sheet

Item No.	Item Description	Unit	Applicable Specification	Specification Booklet Attached
[52]	Providing and fixing of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required	Rmt	As per separate sheet attached	As per Attached Sheet
[53]	Providing & laying cement concrete 1: 4 : 8 (1 Cement : 4 Coarse sand : 8 graded B.T stone aggregate 20mm nominal size) Curing comp. including cost of form work in foundation and plinth	Cum	As per separate sheet attached	As per Attached Sheet
[54]	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. In Superstructure in Cement Mortar 1:6 (1-Cement : 6-fine sand) (B) Conventional	Cum	As per separate sheet attached	As per Attached Sheet
[55]	Providing and laying cement concrete 1:3:6 (1- Cement : 3- Coarse sand : 6-crushed stone aggregates 20 mm nominal size) and curing complete including cost of formwork in (A) Wall Caps / Coping	Cum	As per separate sheet attached	As per Attached Sheet
[56]	Providing and laying cement concrete 1:2:4 (1- Cement : 2-Coarse sand : 4-graded stone aggregates 20 mm nominal size) for reinforced concrete Chhajjas not exceeding 10cm. thickness upto floor two level including finishing the exposed surfaces with cement mortar 1:3 (1-cement, 3 Fine sand) to give a smooth and even surface centering and formwork and curing complete excluding cost of reinforcement.	Cum	As per separate sheet attached	As per Attached Sheet
[57]	Providing 15 mm thick cement plaster in single coat on Rough (Similar) side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement : 3-sand)	Sqm	As per separate sheet attached	As per Attached Sheet
[58]	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	Sqm	As per separate sheet attached	As per Attached Sheet
[59]	Wall painting (three coats) including priming coat with plastic emulsion paint of approved brand and manufacture on undecorated wall surfaces to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth including applying priming coat etc. complete.	Sqm	As per separate sheet attached	As per Attached Sheet
[60]	Finishing wall with Weather Proof Acrylic Emulsion Exterior Paint on wall surface (two coat) to give an even shade and of approved brand and manufacture including thoroughly brooming the surface to remove all dirt and remains of loose powered material.	Sqm	As per separate sheet attached	As per Attached Sheet
[61]	Providing and Fixing Machine cut, free edges, machine polished Granite stone slab 18 mm thick (single piece not more than 150 cm) for Doors/Windows sill and Jambs cladding with the help of anchore fastening as per design including full molded round front edge and 1 cm nosing and laid on 20 mm thick cement mortar 1:6 (1 cement:6 coarse sand) jointed with grey cement slurry including rubbing and polishing finishing and etc complete.	Sqm	As per separate sheet attached	As per Attached Sheet
[62]	Both side laminate finish flush door. Providing Material & Labour charge for making laminate finish Flush Door (finished size of door is 40 mm) of size 975 mm x 2400 mm considering waterproof flush door sheet of 38 mm thkness covered both side by 1.0 mm thick Laminate supported by SS -314 finish hinges. All exposed framing of 65 mm x12 mm made by teak wood bidding complete with polish. Finishing with all necessary hardwares like handles, conceal mortise locks, cylinders with 6 nos of keys, stopers, tower bolt, MS nails, SS-314 screws etc. as per details given in drawing and as per instructions of Architect/Engineer In charge. Please see the Attached Make List for Apporoved Makes.	Sqm	As per separate sheet attached	As per Attached Sheet
[63]	Providing and fixing Anodized Alluminum Section Jindal Deluxe Sliding Window System 27mm series THREE track window as shown in elevation, shutter with 5mm thick transparent plain float glass, with transparent silicon sealant with allu. anodized coated fittings and fixture etc complete.	Sqm	As per separate sheet attached	As per Attached Sheet
[64]	Structural steel work (Confirming to IS 4923-1997) riveted, bolted or welded in builtup 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.	Kg	As per separate sheet attached	As per Attached Sheet

Item No.	Item Description	Unit	Applicable Specification	Specification Booklet Attached
[65]	Providing corrugated G.I. sheet of class-3 roofing fixed with galvanised iron J or L Hooks, Bolts and nuts 8mm diameter with bitumen and G.I. limpet washer or G.I. limpet washer. filled with white lead complete excluding the cost of purlins, Rafters and Trusses. (1) 0.80 m thick sheet.	Sqm	As per separate sheet attached	As per Attached Sheet
[66]	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length, 30cm height and 15cm thick of M200 grade concrete as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1cement:3fine sand) etc. complete.	Rmt	As per separate sheet attached	As per Attached Sheet
[67]	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 luminance coefficient on cement road shall be min 130 mcd/m ² /lux and Asphalt road shall be min 100 mcd/m ² /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.	Sqm	As per separate sheet attached	As per Attached Sheet
[68]	Providing and Fixing 15 mm thick 300 mm x 300 mm Tactile Warning Tiles (Attention Tiles ie. Tactile Warning Surface Indicator (TWSI)) of Johnson Endura Tac Button Yellow Plus or equivalent make in flooring laid on 20 mm thick cement mortar 1:6 (1 cement: 6 coarse sand) on new surface and jointed with cement slurry including finished with flush pointing & cleaning the surface for all floors as per detailed drawing etc. complete as directed by Architect or Engineer in charge. The tiles shall be Anti Skid, Chemical Resistant, Fade Proof, Frost - Heat & Weather Proof, High Flexural Strength, Highly Durable, Stain Resistance All Tactile Warning Tiles meet the specific size and dimension standards as required by 150/FDIS 23599.	Sqm	As per separate sheet attached	As per Attached Sheet
[69]	Providing and fixing acrylic multilingual Braille (raised dots) DIRECTIONAL SIGNBOARDS of size 225 x 150mm designed as per accessibility standards and having 3.5mm thick acrylic base plate with Upper Case San Serif words made of white acrylic non glare cut out letters of height 15mm raised not less than 0.8mm above base plate and the equivalent word written in Hindi with Devanagari non glare acrylic letters of height 15mm raised not less than 0.8mm above base plate and having a non-glare acrylic cut arrow pointing in the required direction. Each signboard to be fixed as per manufacturers specifications on the wall at the approved location and at a height of 1200mm from FFL complete as per design / specifications and guidelines as per the entire satisfaction of the Engineer.	No	As per separate sheet attached	As per Attached Sheet
[70]	PROVIDING & FIXING BRAILLE INDICATOR OF SIZE 170 MM X 35MM FOR HANDRAILS OF THE APPROVED DESIGN AND MAKE H BRAILLE DOTS RAISED 0.5 MM ABOVE BASE PLATE TO BE INSTALLED AT SPECIFIC LOCATIONS AS PER DIRECTION ENGINEER IN CHARGE.	Rmt	As per separate sheet attached	As per Attached Sheet
[71]	Providing and Fixing a set of wall mounted 38 mm dia U shaped horizontal stainless steel collapsible grab bar 38mm vertical stainless steel fixed grab rail of grade SS 304 from round pipe supported and 75 mm dia 8 mm thick SS 304 base flange on wall including anchor fasteners, nuts, accessories as per detailed drawing etc. complete as directed by Architect or Engineer in charge.	Set	As per separate sheet attached	As per Attached Sheet
[72]	Providing and Fixing Size: L 75mm x W 75mm x H 1200; 15 mm thick U shape corner Rubber Reflective Guards with yellow reflective Patti fixing on RCC/brick surface including all fitting and material charges & It shall be Chemical Resistant, Fade Proof, Frost - Heat & Weather Proof, High Flexural Strength, Highly Durable, Stain Resistance as per detailed drawing etc. complete as directed by Architect or Engineer in charge.	No	As per separate sheet attached	As per Attached Sheet

Item No.	Item Description	Unit	Applicable Specification	Specification Booklet Attached
[73]	Providing and fixing of acrylic, non-glare, tactile audio pictorial building layout as per the approved size, design and make, having 3mm thick acrylic non glare base plate of the approved colour and non-glare acrylic cut out symbols raised 3mm above base plate and Grade 2/ Grade 1 Braille to be integral with the sign face and be raised 0.5mm above base plate. The map to be installed at the specified location as per accessibility standards, shall be oriented to the position of the viewer and to be installed at a height of 800 mm from the finished ground/ floor level and using the necessary hardware specified by the manufacturer and to be installed up to the height of 800 mm from the finished ground/ floor level and using the necessary hardware specified by the manufacturer and to be installed complete as per design / specifications and guidelines as per the entire satisfaction of the the Engineer-in-charge.	No	As per separate sheet attached	As per Attached Sheet
[74]	Providing & Fixing tactile layout plan of size 900mm x 600mm as approved design, made of 3.0mm thick acrylic non glare base plate and non glare cut out symbols with Braille on which Individual facility points, like Inquiry, reception, restrooms, medical room / first aid, cafeteria or breakout area, lounge, meeting room, conference room etc. present the respective floors with pictograph wherever needed all in tactile raised by minimum of 1.0mm to 2mm In various colours to make it legible for seniors, partial vision Impaired etc. All the facility names should be in Braille, along with English or Hindi. The entire block of tactile signs should be mounted on wall for easy reading. The map to be Installed at specified locations and installed at a height of 800mm.	No	As per separate sheet attached	As per Attached Sheet
[75]	APPROVAL FIRE SYSTEM FROM LOCAL FIRE AUTHORITY Getting of Fire Fighting System Approval from local fire authority with all other charges and documentations for getting No Objection Certificate.	Job	As per separate sheet attached	As per Attached Sheet
[76]	Providing and Fixing 6 mm thick Lexan Polycarbonate multi wall roofing sheet fixed with hilti screw and rubber silicon sealer and alluminium strip of size 50 x 3 mm etc complete as directed by Engineer in charge	Sqm	As per separate sheet attached	As per Attached Sheet
[77]	Providing Prefabricated Security Cabin 6 Ft (L) x 6 Ft (W) x 8 Ft (H) M.S. Built having Main Steel Frame and Walls made of Puff or FRP material and having features like Sliding Window , weatherproof , Electrical fittings , Fan , Main Door with locking arrangement etc, complete and Color as directed including Labour , Transportation etc. complete as directed by Engineer in Charge.	No	As per separate sheet attached	As per Attached Sheet

Dated Signature of
the Contractor.

Dy. Executive Engineer
R & B Subdivision
Nadiad

Executive Engineer
R & B Division
Nadiad