

KALPATARU SHRUSHTI RECEIVING STATION, MIRA ROAD CIVIL WORKS

1.0 INTENT

The scope of works covers the following:

1.1 Construction of Receiving Station building:

- Entire RCC works including building foundations, piling, pile caps, columns, beams, slabs, cable trenches, UG/OH water tanks, staircase, Lift shafts & machine room, Fire escape balconies with staircase
- Anti-termite treatment during excavation works for excavated wall portions
- AAC light weight blocks Masonry works (with manufacturer binder), RR masonry in foundations
- 6mm Ceiling plaster, 12mm Internal wall plaster and 18mm two coat External wall plaster with ready to plast mortar
- Vitrified tiles for flooring with skirting in maintenance rooms
- Lakha Red granite in staircase including Treads with grove and chamfer, risers, skirting and flooring.
- Mirror polished Kota stone for flooring, skirting, treads with grove and chamfer & risers in fire escape balconies
- Green marble window frames in two steps with edge molding, polishing.
- Antiskid vitrified tiles to toilet floors, ceramic tile dado for walls, granite frames to doors
- Metal false ceiling in all rooms with side patches in gypsum board, toilets, passages, entrance lobbies with gypsum sheet for side cut portions.
- Two hour rated Fire Doors with piping glass window for entire building except toilets
- Both sides laminated, waterproof flush doors shall be provided to Toilets, Lift shafts, Electrical shafts at each floor levels

- Colored Anodized Aluminum Windows and louvers with provision of box type MS Grill
- Automated Rolling Shutters/doors of standard makes and manufacturers.
- Monorail shall be provided at second and third floor as per the issued drawings.
- Stainless steel railing in staircase and fire escape balcony as per design and drawing
- Overhead RCC water tanks with all necessary plumbing and piping works
- Entire plumbing works with provision of water pump.
- Plastic emulsion paint for internal walls & ceilings, 100% acrylic paint on texture with grooves for external walls, Polymer coating to all external walls, 3mm thick epoxy paint on Ironite flooring
- Brick bat coba waterproofing shall be provided to all terraces, lift machine room top, water tanks, fire escape balconies, toilets.
- Cable entry and exit points shall sealed with approved fire and water resistance material and methods.
- Cable supporting structure for capacitor banks from GF to terrace.
- Chain link fence at GF for cable cellar yard with provision of doors as per design and drawings.
- Cable trenches with partial slab and checkered plates/precast covers with edge angles at GF with rough Shahabad stone box type waterproofing
- All cutouts to be shown in drawings to be provided with edge angles.
- MS spiral staircase and ladders for OHW tank with PU spray paint as per design and drawing

1.2 Power Transformer Foundations/Yard:

- Entire RCC works including foundations, walls, grade slab, dyke walls, cable trenches with precast covers
- Provision of MS plates and Rails (52kg/m) on walls
- 350mm thick Fire barrier wall of 5m height with RCC foundations, columns, beams including brick work, plaster, painting etc.
- RCC Oil collection pit with raft and dyke wall duly covered with rough Shahabad box type waterproofing
- RCC cable trenches with precast RCC covers as per the design/MS checkered plate covers, MS grating as per the drawings, 2000 lit capacity oil sump for N2 injection system oil collection.
- 250mm thick 25-40mm Gravels filling on MS grating.
- 2.4m high Chain link fence (10gauge) of 25x25mm with MS removable supporting structure & frames with provision of doors as per standard drawings
- Entire structural steel shall be painted with metal primer and two coats of PU spray paint.

1.3 Underground water tank:

- Entire RCC water tank designed to cater heavy loads of 10000 liters capacity
- External rough Shahabad box type waterproofing and internal brick bat coba at base and cement finish plaster with chemical waterproofing for walls
- SITC of 2HP centrifugal pump with all accessories
- Provision of Manhole as per MBMC requirement
- Shoring/strutting required for deeper excavation and retaining adjacent soil etc.

1.4 Overhead water tank:

- RCC overhead water tank above staircase of 25000 liters capacity
- External and internal chemical based waterproofing and cement finish with provision of BB coba at base internally.

1.5 Surrounding development

- Rubble soling 230mm thick for entire area
- M15 grade, 100mm thick Plain Cement Concrete to entire area
- Lacquer finish 80mm thick colored Paver blocks of approved design
- Heavy duty RCC Cable trenches with slab and manhole provision
- Drainage lines, Inspection chambers, gully trap chambers, sewer trap chamber, provision of drainage lines upto MCGM/MBMC sewer
- Cement concrete storm water drains (as per MCGM remark) with MS grating/heavy duty RCC/FRP mesh
- Provision of GI water pipe line from plot boundary to UG tank
- Provision of Garden with plants, English lawn, filling of red soil, manure, as per directives of engineer in charge.

1.6 Compound wall :

- Construction of 2.5m height compound wall as per the design and drawings with provision of double height 450 dia GI concertina coil duly supported with MS angles and barbed wire from three sides
- Front side wall shall be constructed as per design and drawing with provision of openable/sliding MS gates duly painted with PU paint.

1.7 Toilets :

- All Sanitary fittings such as EWC, flush valves, Wash basin, Urinals, bib cocks, stop cocks, pillar cocks, angle cocks, gate valves, rainwater pipes, UPVC/CPVC pipe lines
- Ceramic tiles dado upto full height, anti-skid vitrified tiles for flooring.

- Mirror, FRP doors
- Septic Tank in brick masonry with slab, covers.
- Soak pit with pit, brick bats, RCC covers

1.8 Bore well :

- Selection of position with the help of external agencies, drilling of 150mm dia Bore well up to required depth
- Provision of casing pipe, internal and external UPVC piping up to UG tank
- Provision of submersible/Jet pump of 2Hp capacity, L&T make starter, wiring.
- Contractor shall opt for Statutory permission from respective authorities such as MCGM/MBMC etc.

1.9 Monorail :

- Provision of monorails as per the design and drawing on second and third floor with minimum load carrying capacity of 2.5MT
- Supply and fixing of base plates, anchor bolts, monorail (I Section)
- Motorized chain pulley blocks of approved manufacturer with required capacity and specifications including fixing, testing etc complete.
- It is necessary to provide tests certificate from manufacturer for requisite load carrying capacity of chain pulley block.

1.10 Cable Trenches

- All internal (Building area) cable trenches shall be 1.5m deep with rough shahabad box type waterproofing externally.
- Provision of edge angles, covering open portion with slab/checkered plates.

- All external trenches (open to sky) shall be 1.2m deep with of edge angles and covering with slab/precast RCC covers as per directives of site in charge.
- Provision of sloped raft to be made at the junction of internal and external trench to match the bottom of the external trench raft.
- Width of all trenches shall be as per the cable trench layout issues for construction.
- The trenches at road crossing area will be designed to cater heavy loads (power transformers) load.
- All the trenches shall be constructed in RCC and ends to be sealed (approved manufacturer) properly after cable laying to arrest the water entry.

1.11 Security Cabin :

- Provision of metallic cabin of size 6'x 6' with provision of 750mm wide canopy on door side wall
- Provision of metallic cabin of size 6'x 6' with provision of 750mm wide canopy on door side wall
- False ceiling with ceiling fan, table, chairs (two), cupboard, door, hooks, aluminum windows with MS grill, electrical light fitting with wiring etc all complete as per the specifications.

1.12 The work shall be carried out according to the design/drawings issued by AEML. For all buildings, structures, foundations etc. necessary layout and details shall be given to the Contractor keeping in view the functional requirement of the receiving station facilities & certain minimum requirements are indicated in this specification for guidance purposes only. However, the Contractor shall quote according to the complete requirement.

2.0 GENERAL REQUIREMENTS

- 0.0 The correct assessment of the Scope of work shall be Bidder's responsibility, completely covering the obligations, responsibility, and workmanship, provided in this Bid enquiry whether implicit or explicit. The contractor shall inspect all the locations before submission of bid.
- 1.0 Before commencement of any work at site, the contractor shall submit the detailed work schedule, construction plan and quality assurance plan to AEML Engineer in-charge.
- 2.0 The construction area given in the tender may vary as per the actual execution of works. The payments towards the same shall be released as per the actual execution at site only. Contractor shall access the area of work and arrive at suitable rate before submission of quote.
- 3.0 Contractor shall make his own arrangement for water and electricity required for construction. The charges towards the same shall be born by the contractor.
- 4.0 The Contractor shall opt for **Comprehensive Insurance Policy** to cover the costs of all the equipment, compensation claims for injury sustained by labours, engineers, supervisors, guests, visitors to the site and shall be submitted to AEML before start of works.
- 5.0 The contractor shall be solely responsible for the safety of the labours and their employees including payments, compensation in case of accidents or any mishaps etc. and safety of the public during the entire construction period.
- 6.0 Site shall be kept neat and clean every day. The material shall be stacked properly as per the requirement. Regular Pest control of site with MCGM approved agency shall be done by contractor, charges to the same shall

- be born by contractor copy of the same shall be submitted to site in charge before commencement of works at site.
- 7.0 Labour camp/stay is not allowed at site.
- 8.0 Only metallic scaffolding such as H frames, metal planks, MS ladder shall be allowed at site for any height work. Wooden planks, bamboo etc are not allowed for scaffolding or resting purpose. The entire shuttering material for foundations, columns, slabs shall be in good quality new waterproof plywood and pattis is allowed. Old scaffolding material is not allowed in any case.
- 9.0 The contractor shall opt for Royalty permission from statutory authority before commencement of excavation works at site. The charges towards the same shall be borne by the contractor. Copy of the same shall be submitted to site in charge before commencement of works at site.
- 10.0 The contractor shall be responsible for disposal of excavated soil, debris, waste material outside the plot premises with due fulfillment of charges to statutory authorities, opting permissions etc. Copy of the debris management plan shall be submitted to site in charge before commencement of works at site.
- 11.0 Contractor shall keep his security personnel for watch and ward. AEML will not be responsible for any kind of mishap or theft of construction material from site.
- 12.0 Contractor shall make temporary arrangement of urinals and toilet for labours and AEML staff separately. The same shall be kept clean and disposal shall be done properly to avoid nuisance to the adjacent residents or industry.

- 13.0 Contractor shall construct the temporary office for AEML Officer in the form of porta cabin at site with due provision of fans, AC, tables, chairs, cupboards, mineral water for drinking purpose etc.
- 14.0 Site shall be kept clean at all the time and material shall be stacked at designated places with barricading and name plates of material type.
- 15.0 Sign board in structural steel of size 6x4 feet shall be fixed with due mention about the project details, name of company, approval details, name of contractor, contact details etc.
- 16.0 Contractor shall strictly adhere to the AEML Environment Management policy and System. Contractor shall fulfill the entire requirement mentioned in the policy and its documents. Violation to the stipulated norms shall lead to heavy penalty in this regard. Any changes in the policy during the execution period and its fulfillment or compliance shall be binding on contractor and no extra amount shall be paid for the same.
- 17.0 Contractor shall make sixteen feet high tin sheet barricading duly designed and installed properly, from all the side of plot for protection as well to avoid the nuisance to the adjacent residents. Also the entire building shall be covered with green poly house net of good quality during entire construction period. Contractor shall keep two gates, one small gate for movement of people and other for vehicular movement with locking facility. As and when required PVC net provision shall be made to restrict the falling objects.
- 18.0 Before commencement of the works all shrubs, grass, debris shall be removed from site and leveling, survey and line out shall be done as per the directives of engineer in charge.

- 19.0 Approach road or access required to reach up to the Receiving station plot shall be made by the contractor at his own cost.
- 20.0 Contractor shall make the provision of pump for concrete laying irrespective of quantity as per the directives of engineer in charge.
- 21.0 Care shall be taken to protect the trees available in plot from falling down during excavation works. The trees those are falling in the plot and obstructing the construction of RS shall be removed or relocated as per the directives of engineer in charge. The cost towards the labour, equipment, statutory permissions, liasioning etc towards the same shall be borne by the contractor. The total responsibility in these regards shall lie on contractor.
- 22.0 Contractor shall construct the receiving station strictly in accordance with the approved plan and the layout given by AEML. No deviation in any case shall be entertained.
- 23.0 Minor breaking of newly constructed walls and repairing of the same during electrical installation activities, concealed wiring etc. shall be done by the contractor without any extra cost.
- 24.0 Contractor shall work in coordination with other contractors/agencies working at site.
- 25.0 Cable trenches running out of the building portion shall be provided with bottom slope to match with external trench depth. In such case, height of the trench at junction shall be more than the specified depth of internal trenches.

- 26.0 Cable trenches outside RS building shall be constructed to cater fire tender load and PT load.
- 27.0 The contractor shall provide necessary facilities and assistance for proper inspection of the work at his own cost.
- 28.0 Excavation for foundation of building and power transformers shall be strictly done up to hard starta found at site, irrespective of mention of founding depths in drawings/geotechnical report. The decision of site in charge/consultants shall be final and binding on contractor in disputed case if any.
- 29.0 Minor changes may take place in RCC drawings subject to requirement during construction period. The contractor shall accommodate those changes, if any, without any extra cost.
- 30.0 Any other conditions, specifications etc. not mentioned herein, the clarification as furnished by the Consultant shall be final and binding on the contractor.
- 31.0 All material brought from outside shall be stacked at place prescribed by the site in charge without obstructing the movement of persons, vehicles, etc
- 32.0 Lighting arrangement, necessary signal display, safety and security of labour and material shall be made by the contractor at his own cost and risk. No labour, supervisor, engineers are allowed to work without the safety devices (PPE) like helmet, safety shoes, safety rope and belt, safety jacket, gloves, goggles etc. Separate provision of helmets and jackets to made to the AEML staff visiting at site during progress of works.

- 33.0 Contractor shall provide qualified civil engineer, supervisor and safety officer to monitor and maintain the quality and safety at site. Qualification documents of Civil engineers and safety officer shall be submitted before start of works.
- 34.0 Contractor shall abide by all the necessary law viz., the Provident Fund Act, Minimum Wages Act, the Payment of Wages Act, ESIC, Bonus Act, Indian Contract Act, Sales Tax Act and all such other acts which may be applicable to you from time to time. In case of any liability raised by any of such authorities on us in relation and in connection to our work including manpower, such liability shall be recovered from your bills.
- 35.0 Contractor to comply all the requirements in case of PF and ESIC. You should maintain all the registers at site along with the file duly maintained with the statutory payments made to the respective government authorities. The contractor shall be responsible for the legal issues if any in the matter.
- 36.0 No material will be issued to the contractor as a free supply.
- 37.0 Contractor shall set up the QA/QC lab as per the directives and shall maintain the quality as per the Field quality plan issued by the AEML.
- 38.0 Contractor shall submit the guarantee certificate for Anti-termite treatment and waterproofing treatment as per the prescribed format.
- 39.0 Contractor shall submit No Demand Certificate and Indemnity bond in a prescribed format of AEML during submission of final bill.
- 40.0 Only ready to plast cement sand mortar to be used for all kind of masonry and plastering works.

- 41.0 Adequate safety precautions shall be taken during entire demolition works of existing building to avoid the accidents and locals travelling from adjacent roads. Debris management plan from MCGM shall be opted before demolition works of existing building.
- 42.0 Ironite flooring shall be leveled properly with provision of grooves (for expansion and contraction) and if required shall be finished/levelled with tile polish machine as per the directives of engineer in charge.
- 43.0 Late working as well as night working will not be allowed at site. Noise level shall be kept at optimum level during construction to avoid nuisance to adjacent residents.
- 44.0 The care shall be taken to avoid traffic conjunction especially during concrete and demolition works. It is the responsibility of contractor to manage and removal of cars parked in lane with co-ordination of local car owners and garage owner to facilitate the entry of construction vehicles up to building premises.
- 45.0 Rubble soling shall be provided as per the instructions of site in charge irrespective of mention of the same in drawings.
- 46.0 All the structural steel items shall be coated with PU Paint (Poly Urethane) over two coats of zinc oxide primer. Three years guarantee shall be submitted on stamp paper on back-to-back basis of applicator.
- 47.0 Third party Test reports of all construction material shall be submitted before start of works.
- 48.0 Guarantee certificates of all new pumps provided shall be submitted along with final bill

- 49.0 Heat reflecting chemical coat to be applied on IPS surface of waterproofing over terrace
- 50.0 Provision of Gypsum sheet to walls wherever required or directed by engineer-in-charge.
- 51.0 Design mix report of concrete shall be submitted for approval prior to any type of concrete works at site. Minimum cement content for M30 grade ready mix concrete shall be 360kg.
- 52.0 Concrete cubes (15nos) shall be taken during each pour of concrete. Irrespective of manufacturer test report, contractor shall submit the separate third-party test report for reinforcement steel of each lot received at site. As per the requirement and directives from engineer in charge, contractor shall perform tests such as NDT, core test etc. Charges towards the same shall be borne by the contractor.
- 53.0 Excavation for foundations for any structure shall be done up to hard strata in any type of soil/rock, irrespective of mention in the drawing. The decision of consultant shall be final and binding on contractor.
- 54.0 Plinth level and FFL shall be as per actual site condition and may change as per requirement. In such case, cost of additional excavation in any type of strata or additional backfilling with murum shall be borne by the contractor.
- 55.0 Entrance gates shall be provided as per the layout drawings and any demolition of wall, provision of RCC columns, masonry work, plastering, finishing, painting etc shall be in the scope of contractor.

- 56.0 Paver block area shall be bedded with compacted murum, rubble soling and 100mm thick PCC (M15 grade)
- 57.0 Building plinth area shall be filled up with approved good quality murum duly machine compacted followed by rubble soling, 150mm thick Grade slab (M15 grade concrete) and 60mm thick Ironite flooring.
- 58.0 Automated Rolling shutters/openable doors manufactured by approved manufacturer, finished with two coats of zinc oxide primer and three coats of PU paint of approved shade.
- 59.0 All the works required for completion of receiving station shall be executed by the contractor.
- 60.0 Stainless steel railing shall be provided to staircase as per design, drawings, specifications and requirement/directives of engineer in charge.
- 61.0 Contractor shall stand guarantee for any crack development in walls, internally and externally and leakage through walls for five years period after completion of works. Guarantee certificate shall be provided on stamp paper by the contractor. If necessary, paint application also to be done as per the directives of engineer in charge.
- 62.0 First aid box with all kind of medicines, ointments, cotton, bandage patti, surgical spirits, band aid, Dettol, scissor etc. to be made available at site at all time.
- 63.0 Contractor shall co-ordinate with firefighting and electrical installations agency during the entire course of construction. The probable changes in construction if any due to the installation requirements shall be done free of cost by the contractor and to be executed at site without any dispute.

- 64.0 The terrace staircase door shall be provided in the following manner: a) The top half portion of the doors shall be provided with louvers. b) The latch-lock shall be installed from the terrace side at the height if not more than 1 mtrs. c) The glass front of 6 inch diameter with the breakable glass shall be provided just above the latch lock, so as to open the latch in case of an emergency by breaking glass. d) The door shall either be fitted with magnetic lock connected to console & detection system or shall be synchronized with fire detection and alarm system
- 65.0 Wherever required Mullions to be provided with bar duly grouted with HILTI compound as per the design and directives of EIC.
- 66.0 RCC heavy duty slab shall be provided on all carriage ways
- 67.0 Authorized medical practitioner shall be appointed by the contractor and Medical fitness certificate shall be opted for all labours working at site before deployment.
- 68.0 **COVID-19**: As per the directives of State/Central government and SOP formulated by AEML for construction sites, shall be strictly followed without any additional cost to the company.
- 69.0 Cleaning and levelling of entire plot before start of execution works including small trees (without Nos) & bushes.
- 70.0 Carting away entire Debris lying within plot boundary before start of work. Debris shall not be used for any kind of filling/levelling purpose.
- 71.0 Shifting of Existing water (CI/GI) Pipelines (supplying water to adjacent society) passing through our plot boundary along with Pressure Valve and chamber as per MBMC norms and through licensed plumber and society requirement along with statutory permissions if any.

72.0 2.4m height compound wall with 900mm high concertina coil shall be constructed all around plot boundary.

73.0 Local issues such as vehicular movement, RMC supply, hiring of machinery, purchase of construction material etc. shall be dealt and handled by vendor at his own.

3.0 FINISH SCHEDULE

The finishing schedule is given in Table as below:

Sr No.	Location	Flooring & Skirting	Internal Walls and Ceiling	Doors	Windows & Ventilators
1.0	Ground Floor – Cable Cellar	Kota Stone flooring (Mirror Polish) with skirting	Plastic Emulsion paint with 12-15mm POP punning	Double leaf Fire doors as per authorized manufacturer.	Chain link fence to Cable cellar as per the drawings
2.0	First Floor – 11kV, 33kV Panel room	Kota Stone flooring (Mirror Polish) with skirting	Plastic Emulsion paint with 12-15mm POP punning	Double leaf Fire doors as per authorized manufacturer.	Fully glazed colored anodized aluminum windows and ventilators with provision of exhaust fan
3.0	Second Floor – SCADA, ACDB, DCDB	Kota Stone flooring (Mirror Polish) with skirting	Plastic Emulsion paint with 12-15mm POP punning	Double leaf Fire doors as per authorized manufacturer.	Fully glazed colored anodized aluminum windows and ventilators with provision of exhaust fan
4.0	Toilet	Antiskid ceramic tiles	Full Height Ceramic glazed tiles	FRP door	Fully glazed colored anodized aluminum ventilators with provision of exhaust fan
5.0	Staircase	Lakha Red Granite Stone Flooring & Skirting in all landings, treads, risers with nosing, groove etc.	Plastic Emulsion paint with 12-15mm POP punning	Single leaf Fire Door	Fully glazed colored anodized aluminum windows
6.0	Terrace	Brick bat coba waterproofing	IPS finish with heat reflecting chemical coat	Double leaf Fire doors as per CFO	

7.0	Mumpty roof	Brick bat coba waterproofing with IPS finish on two coats of approved chemicals	Parapet wall of 300 height	--	Fully glazed colored anodized aluminum windows/Ventilators
	Over head water tank	Brick bat coba waterproofing as above for base and sides plastered with cement ghotai with waterproof chemical compound	Parapet wall of 300 height	--	--

4.0 LIST OF MATERIALS & APPROVED BRANDS:

Sr. No.	Materials	Approved Brands
1.0	Cement (OPC/PPC)	L & T, Rajashree, Gujarat Ambuja, A.C.C. Or equivalent.
2.0	High Tensile Deformed Bars – FE500D	TISCO, SAIL, RINL only
3.0	AAC Blocks with binders “A” Grade IS 2185 part 3	Aerocon, Ultratech, Siporex
4.0	Waterproofing compound	Wet seal, Glocem, Oriseal, Permoproof, Sunanda, Roff, Dr Fixit, Pidilite Rsikon 400 ,Resikon
5.0	Primer paint	Asian, Dulux, Nerolac.
6.0	Synthetic Enamel Paint	Asian, Dulux, Nerolac.
7.0	Plastic Emulsion Paint	Asian, Dulux
8.0	Texture paint with 100% Acrylic Emulsion Paints- External surface	Asian (Apex Ultima), Dulux (Weathershield max), Sherwin-Williams, NITCO- Ruff & Tuff
9.0	Metal Zinc oxide primer	Asian, Dulux, Nerolac.
10.0	Polymer waterproofing chemical coat for external Walls	Krishna Concem, Monopal, Dr. Fixit, Sunanda Chem, Pidilite Rsikon 400 , Resikon
11.0	UPVC Pipes- Sanitary	Prince, Neco, Supreme
12.0	GI Pipes	TATA, Zenith
13.0	Plumbing fittings	Metro, Jaguar, Cera
14.0	Sanitary ware	Parryware, Hindustan, Johnson & Johnson, Hindware
15.0	Epoxy Painting	M/s. Hylcron India, M/s. Ind flooring
16.0	Structural steel	Jindal, TATA or equivalent
17.0	Aluminium sections	Jindal, Hindalco
18.0	Ceramic tiles/Vitrified tiles	Nitco, Johnson, Somany, Spartek, Orient, Kajaria
19.0	Water pump-submersible	Kirloskar, Crompton Greaves
20.0	Vitrified tiles	Johnson, Nitco, Kajaria
21.0	Ready to plast Cement+sand mortor	Ultratech, Wall plast, Godrej,Birla Aerocon
22.0	PU paint	Asian, Dulux, Nerolac, Hylcron, Ind Flooring or equivalent
23.0	Gypsum Sheets & Accessories	Saint Gobain
24.0	Watchman Cabin-Metallic	M/s. DPORTA Fab, M/s.Imperial Cabin

26.0	Metallic False Ceiling	M/s. Armostrong, M/s. Chanakya
27.0	Fire retardant metal doors	Godrej, Shakti, MPP Technologies
28.0	Door Closer	DORMA/GEZE/ EVEREST/ Sterling / Hyper
29.0	Automatic Rolling Shutter/Openable door	Indo German / DYNA/GANDHI
30.0	Sand for waterproofing	Packaged Gujrat Sand - Star Ready Plast, Kaneria Plast Pvt Ltd
31.0	Paver Blocks, RCC covers, SWD covers, Manholes Covers, Earth Pit covers	Super Tiles
32.0	Plaster of Paris	Unitile, UNiflair, Kebao
33.0	Ironite powders	Shikhar Ind; Ironite co of India
34.0	Cable opening ceiling	Roxtec, Del Seal, Leakxpert
35.0	Fire Door	Shakti Horman, Supreme