

**Tender no : IHC/Kitchen equipment-OO/2016**

**Sub: Tender for Supply of Kitchen equipment – Oriental Octopus restaurant at IHC**

**Sealed tenders are invited from reputed manufacturers for SITC of new kitchen equipments and shifting to & fro, the old kitchen equipment as mentioned in the tender documents. The equipment are to be supplied for oriental octopus kitchen, situated at fifth floor of rooms block, at IHC.**

**Important Dates**

**Pre bid meeting : 6<sup>th</sup> January 2017 at 3 pm**

**Date of tender submission and opening : 13<sup>th</sup> January 2017 at 3 pm, office of the Director, IHC**

**Terms and condition for the bidders:**

1. The bidders shall submit the bids in two sealed envelopes.
  - a. Pre Qualification Bid - the envelope marked Pre-qualification bid shall contain :
    1. DD for EMD amount of Rs.1,00,000/- ( Rs. One lakh) in favor of India Habitat Centre.
    2. List of clients, whose orders value ( executed in full ) was more than or equal to Rs. 10 lakhs, in last two years.
    3. A letter confirming that the bidder has their own factory/facility to manufacture the equipment.
    4. Copies of the completed single order ( in name of the bidder only) of value not less than Rs.10 lakh, in last two years.
    5. HC reserves the right to verify the documents submitted by the bidder. .
  - b. FINANCIAL BID : shall contain the financial bids only. Financial bids of those bidders will be opened only when the bidder have met the criterion mentioned above. They shall quote the price, as per the annexure 2 & 3. The summary shall be quoted in annexure 4.
2. The bidders are requested to visit the site, before bidding to get acquainted with the actual site conditions and constraints. They shall contact Mr. Ravi Gupta, Chief Engineer, OWH (43663330) for site visits. Old World Hospitality ( OWH) are the licensed operators of all the facilities at IHC.
3. The bidders are requested to send the Queries ( if any ) in advance to GM(P&M) at [rkaggarwal@indiahabitat.org](mailto:rkaggarwal@indiahabitat.org). on or before 4<sup>th</sup> January 2017.
4. Bidders are requested to attend pre-bid meeting on 6<sup>th</sup> January 2017 at 3 pm, at the office of the Director, 6<sup>th</sup> Floor, Core 5A, IHC.
5. The bids ( pre qualification as well as financial bids) are to be submitted on or before on 13<sup>th</sup> January 2017, 3 pm. They will be opened at 3:15 pm on the same day.
6. The evaluation of financial bids will be done based on sum total of amount quoted for Annexure 2 and Annexure 3, while including the AMC cost.
7. Scope of work :
  - a. Dismantling of existing equipments & transferring them in good condition to lower basement (called P2) area after packing them with bubble sheet properly. After renovation of the kitchen is over, transfer them back in the Oriental kitchen with proper installation, and in good condition. It will be the responsibility of the successful bidder to ensure that No damage is caused to the either the equipment or the building while shifting the equipment, to & fro. Any damage, shall be make good by the successful bidder at no extra cost. The list of the such equipments, which are to be shifted to & fro , is enclosed at annexure 2.
  - b. SITC of new equipment as per the list enclosed at annexure 3.

- c. IHC reserves the right to get the material sample tested in the lab of repute to verify the quality of the equipment.
8. The rates quoted shall be all inclusive, and the break up for all the taxes, freight, insurance etc. shall be clearly mentioned. In case of variation in the taxes, the same shall be adjusted accordingly.
9. The acceptance for the purchase order shall be sent within three working days of receipt of the order. A scanned copy of the order will be emailed on the given email address. In case the acceptance is not received within three working days, the purchase order will stand cancelled automatically.
10. Delivery of the equipment :
  - a. The successful bidder ( vendor ) shall submit the shop drawings within 10 days from the date of issue of the order. The shop drawings shall be approved by OWH within three days of submission by the vendor. The approval is must for commencement of the actual production of equipment's.
  - b. A pre delivery inspection will be done at the factory premises by IHC/OWH, which shall be arranged by the vendor, about 7 days before the dispatch so that defects if any can be removed before dispatch. .
  - c. The equipment shall be supplied within 30 days from the approval of shop drawings.
11. In case of delay in either supply or shifting the equipment at the oriental kitchen, Rs. 10,000/- per day will be deducted from the final bill. The decision of the Director, IHC will be final and binding in this regard.
12. Warranty :
  - a. The bidders shall quote the rates for supply with warranty of minimum of one year. In case the original equipment supplier is giving more than one year of warranty, the same shall be passed on IHC at no extra cost. A letter confirming the same from the OEM, shall be given, along with the bid. IHC reserves the right to verify the same with OEM.
  - b. The bidder shall also quote for four years of comprehensive AMC only for 5 nos. of active equipment , mentioned in part B in annexure 3. The AMC shall start after the expiry of the warranty period, as mentioned above.
13. The payment terms shall be as under:
  - a. 10% of the value of the order (excluding the taxes and other charges) shall be paid on acceptance of the order against bank guarantee of the equivalent amount valid for 60 days from the date of issue.
  - b. Additional 15% of the order value will be given on approval of details/designs/shop drawings etc.
  - c. Additional 20% of the order value will be given on inspection at factory premises, when the material is ready for dispatch, after the removal of defects, if any. The visit to the factory shall be arranged by the vendor for IHC/OWH staff.
  - d. Additional 50% of the order value will be paid after the goods are received at IHC, and found to be satisfactory.
  - e. The balance 5% of the order value will be paid after the warranty period of one year.
14. **Comprehensive AMC** : the comprehensive AMC ( for 4 years ) shall be applicable immediately after the expiry of the warranty period, for the equipment as mentioned in part B of annexure 3. Only the equipment mentioned in the annexure 3, part B will be under AMC. The payment for AMC shall be made as under: the format of the VGA (Vendor Guarantee Agreement ) will be given in pre bid meeting.
  1. 50% of the annual AMC value as advance on submission of and invoice duly certified by OWH for the services rendered by the vendor.
  2. Additional 40% of the AMC value on submission of invoice and service reports duly certified by OWH, after six months form the date of start of AMC.

3. The balance 10% shall be paid on successful completion of AMC period and on submission of bill and service report duly certified by OWH.

#### **DETAILS OF KITCHEN EQUIPEMENTS :**

1. Kitchen equipment's : the specifications are as per enclosed annexure.

**Annex - 1** – General specifications

**Annex - 2** – List of equipment to be shifted to & fro

**Annex - 3** – List of new equipment for SITC

Bidder are requested to inspect the site before the Pre-bid meeting, and get acquainted with the site conditions, constraints etc.

For more information or any technical queries, please contact

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## Annex - 1

### **GENERAL SPECIFICATIONS FOR KITCHEN EQUIPMENTS**

#### **STAINLESS STEEL:**

Where Stainless Steel is specified it shall be what is known to the trade as Austenitic 18-B type 304 with content from 17% to 19% chrome, 7 % to 9% nickel and a maximum carbon content of 0.11.

Stainless Steel shall be free from scale and surfaces should be polished to a no. 4 commercial finish. All hoods and visible surfaces shall have pre polished plastic coated stainless sheet. The plastic coating is to be removed at the kitchen site after installation by the contractor.

#### **GALVANIZED IRON:**

Where galvanized iron is called for, it shall galvanized on an 8% copper bearing alloy sheet with approved hot pure zinc galvanizing. Where galvanized iron has been welded, all seams shall be cleaned scales removed and finished with prime coat of Aluminum point.

#### **IRON PIPE:**

Where iron pipe is called for, it shall be genuine wrought iron, fully galvanized. All threads are to be cleaned and coated with rust resistant coating.

#### **STAINLESS STEEL PIPE AND TUBING:**

Seamless tubing shall be thoroughly and properly ground smooth and finished to match adjacent work. All tubing where exposed to view shall be given a final grand of not less then 180 grit emery.

#### **STRUCTURAL STEEL SHAPES:**

All angles, band, channels or other structural shapes used for framing shall be of domestic manufacture uniform and ductile in quality, free of hard spots, runs, checks or cracks or other surface defects. Where such sections are specified as galvanized or tinned by the hot dip process, with all fluxes removed and in the case of galvanized excess spelter removed to be smooth and free from cold runs, blister, uncoated or scaly patches.

#### **HANDLES, BRACKETS, LOCKING DEVICES AND HARD WARE:**

Wherever equipments are provided with handles, knobs, hinges, brackets or other misc. hardware all shall be either of heavy stain finish chrome plated brass or Stainless Steel.

All drawers, enclosed cabinets, refrigerators storage bins, shall be furnished with extra heavy duty security type locking devices of cylinder type, chrome plated.

#### **FASTENINGS:**

Welds, bolts screws, nuts and washers shall be of steel, except where brass or Stainless Steel is fastened, in which case they shall be of brass or Stainless Steel respectively. Where dissimilar metals are fastened, bolts, screws and nuts shall be of the highest grade metal. The spacing and extent of welds, bolts and screws shall be such as to ensure suitable fastenings and prevent bulging of the material fastened.

### **WELDING:**

All welding shall be done by argon arc or the electrical fusion, metal –arc method. Carbon-arc or gas welding will not be permitted. All welding shall be done in a thorough manner, with welding rod of some composition as sheets or parts welded. Welds shall be complete welds, strong and ductile, with excess metal ground off joints finished smooth to match adjoining sheet surfaces. All joints in top of fixtures, tables, drain boards; exposed shelving, sinks etc. shall be welded. All equipment here in specified which is constructed in more than one piece of sheet of metal, shall be continuously Welded together with welds ground smooth and polished. But welds made by spot welding straps under beams and filling in the voids with solder and finished by grinding, will not be accepted.

It is the intention of this specification that all welded joints shall be homogenous with the sheet metal itself. Where sheet sizes necessitate a joint, such a joint shall be welded. Tops of fixtures shall be fabricated in the factory with welded joints to reduce field joints to a minimum. Where fixtures join the tops of such fixtures shall be continuous with welded joints except in the case of field joints. All joints made in the field shall be closely butted, pulled together in the field, field welded and polished smooth in accordance with section. Grinding, polishing finishing if these requirements. Tops of fixtures shall be of maximum length and with welded factory joints to an absolute minimum. Wherever welds occur on the surfaces not finished by grinding & polishing, such welds and the accompanying discoloration shall be suitably coated in the factory by means of metallic base paint. To prevent the possibility of progressive corrosion of such joints.

### **GRINDING, POLISHING, FINISHING:**

All welded exposed joints shall be suitably ground flush with adjoining material and neatly finish harmonizing herewith. Wherever material has been sunken or depressed by the welding operation, such depression will be suitably hammered and pressed flush to adjoining surfaces and if necessary again ground to eliminate low spots. All ground surfaces shall then be polished or buffed to match adjoining surfaces, consistent with good workmanship. Care shall be exercised in all grinding operations to avoid excessive heating of metal & metal discoloration. In all cases, grain of rough grinding shall be removed by successive polishing operations. Texture of final polishing operation shall be uniform and smooth consistent with reasonable care and good workmanship. General finish of all equipment shall be of high grade. But joints and contact joints, wherever they occur, shall be close fitting and shall not require solder as filler. In no case in any soldering for strength and stability of joint and fixture itself. Wherever breaks bend occur, it shall be free from undue extrude and shall not be flaky scaly or cracked in appearance and where such break work does mar the uniform surface appearance of the material. All such marks shall be removed by suitably grinding, polishing and finishing. Wherever shared edges occur they shall be free from burrs, fins or irregular projections and shall be finished over such sheared edges. Where miters are bull nosed

corners occur they shall be neatly finished with under edge of material neatly ground to a uniform condition and, in no case any over lapping materials to be accepted.

It is the intention of these specifications to cover equipment of quality finish consistent with high grade manufacturing practices.

All exposed surfaces shall be of no 4 finish .Where specified all doors cabinets, shelves, whether inside /outside of cabinets and wherever exposed are to be no. four 4 finish. This applies to inside finish of any cabinet having door s or otherwise an exposed surface shall be interpreted as meaning an inside surface exposed to view when a sliding or swinging door is opened. Underside of shelf need not to be 4 finishes but such finish shall be at least equal to 80-ground finish. Final no. 4 finishes to be factory finish, not as furnished by mill. Indication of die markings not blending with final finish will not be accepted.

### **BOLT CONSTRUCTION:**

It is the intention of this specification that all equipment on exposed surfaces and wherever bolts are used to fasten trim to paneling and body of warmers, cabinets, counters etc. and more particularly to fasten tops of counter, dish tables etc. to top of framing such bolts and screws occur on the inside of the fixtures and are either visible or might come in the contact of the hands or the wiping cloth, such bolts, screws shall be capped with a suitable lock washer and chrome plated, brass or bronze acorn nut . Where screw nuts are not visible or readily accessible, they may be capped with a standard lock washer & steel nut treated to prevent rusting & corroding. Wherever bolts and screws are welded to underside of trim or tops, the reverse side of weld shall be neatly finished uniform with the adjoining surface of trim or top, depressions at these points will not be acceptable.

### SOUND DEADENING:

Underside of all Stainless Steel top for tables, counters, sink dishes and pot table with angle framework shall be treated with a coating of Carbozite aluminum finish or approved equal.

### MATERIAL AND WORKMANSHIP:

All material equipment etc. shall be new and of kind specified and shall be in undamaged condition when turned over to owner.

All workmanship shall be of best quality of crafts men skilled in their respective trades. Appliances shall be of rigid construction free from objectionable vibrations and quiet in operation. Manufacture's nameplate shall not appear on any of the fabricated equipment.

### RESERVATIONS:

Various items are specified here in with the model no., brand or trade names or name of manufacturer, and it is the intent of this specification that the exact fixture so specified shall be furnished. *This is not intended to restrict competition and consideration will be given to other brands that are equal or superior on every respect.* **However no substitutes or alternatives will be accepted if not mentioned in the base bid.**

### LEGS:

All legs to be constructed of not less than 40mm diameter Stainless Steel tubing cold drawn, annealed and pickled spaced no more than 1800mm C.C. all legs shall be uniform in finish. All legs, until and unless specified, to be of 304 SS.

### LEGS CROSS BRACING:

All legs bracing where required, to be constructed of not less than 25 mm diameter 18GA SS and as specified above for exact as noted below. All cross bracing to run horizontal between all legs, approximately 250 mm above floor unless otherwise specified. All joints to be completely welded around entire perimeter forming complete seal with all welds ground and painted.

Where one side of box unit is eliminated to provide space for cans, carts, plumbing or otherwise single cross brace to extent to given legs, such cross brace to be reinforced by diagonal section of tubing and set not less than 150mm out at each side, all welded as specified herein before.

### UNDER BRACING:

All Stainless Steel counters, tables boards and dish tables tops to be braced below with inverted type channels made of 16 GA SS or G.I as specified, measuring 25 mm X 100mm X 25mm spaced not more than 750 mm on centers and installed in similar fashion.

### FEET:

All legs shall be provided with Stainless Steel bullet feet, having an integrally formed shaft, with a minimum adjustment of approx. 40mm without using of threading or adjusting bolts. Feet shall be completely sealed at bottom and shall be close fitting between tubular legs support and foot.

### **UNDERSHELVES:**

Where flat under shelving is specified under shelves shall be constructed of 18 GA SS All shelving shall be turned down on all sides approx. 40mm and in 12mm in channel shape with resulting corners cut out to fit contour of leg. Shelving shall be welded to legs and shall be ground polished & smooth under shelving shall m be reinforced with 25 mm X 100 mm X 25 mm of 16GA SS welded channels.

Removable type shelving to be of same material, rolled down on all sides with corners notched to counter of leg with resultant notches ground and polished smooth. Under shelving to be constructed in sections of not more than 900 mm and where butted against adjoining shelf section shelving to be turned down 40 mm and in 12 mm in channel shape. Supporting channel to be furnished on underside of each self-section of same size and material as specified above.

### **DRAWERS:**

Drawers inserts shall be die pressed GN1/1 x100mm deep pans

Drawers front are to be not less than 16 GA double pan type with resulting corners welded ground and polished smooth. All drawers to be deadened. Drawers to set into an enclosed 20 GA SS vermin proof housing closed on all sides. The drawer moves on channel shaped slides four ball bearing rollers two front & two rear auto stops and release catches. Drawer's faces to be provided with built in Stainless Steel pull handle

All drawers unless other wise specified shall be suitable for GN1/1 x100mm deep pans

### **SINKS AND DRAIN BOARDS:**

All sinks and drain boards to be constructed of 16 GA SS unless otherwise specified with all joints neatly welded, ground and polished smooth. No soldering at any point will be accepted in sink and drain board construction. All front and free standing edges to be turned up 40mm and to be turned out 50mm and down 40mm in 12mm raised fronts and ends of drain board are to be level with sink and continuous therewith and is not to follow pitch of drain boards. Drain boards to be pitched 3mm X 25 mm towards sink compartment. Sinks and drain boards to have 250mm high splash back level and continuous not following pitch of drain boards adjacent to walls or adjoining equipment. Where drain boards exceed 600 mm in length legs shall be provided as here in before specified. All vertical and horizontal corners to be rounded to radius of approx. 25 mm with all intersections meeting in spherical section. All sinks having two or more compartments to have double dividing partitions, with fully rounded corners, both vertical & horizontal. All corners of drain boards to be rounded on insides to a radius of 25 mm front corners of rolled rim to be fully rounded on outside rolls and be concentric with inside of roll. Bottom of each sink compartment to be creased to sufficient pitch towards waste outlet with 100 mm 16 GA SS perforated removable strainer plate set not less then 3/8" below sink bottom. Opening for hot & cold-water faucets to be cut in to splash back as required. All sinks shall be 16GA deep unless otherwise specified to a no. 4 satin finish.

Where sinks are to be built as a part of counters, overflow scrap compartments for sinks as indicated on plans, to be constructed sane as above, welded into place, with resulting weld s ground and polished smooth, eliminating traces of welding.

Bottom of each sink compartment to be furnished with 50 mm IPS heavy-duty lever drain. Unless otherwise noted, connected overflow to be furnished with SS perforated plates secured to body of sinks and constructed so that constant water level is 25 mm below dividing partition.

### **DISH TABLE:**

Dish table to be constructed to be same as previously specified for sink drain boards except as noted below. Where table enter dish washing machine or pot washing they shall be turned down 25 mm into machine and a flange provided at both front and splash back, arranged so as to permit a neoprene gasket, approx. 3mm thick, being bolted between flanges and turned down of table forming a watertight joint across bottom and if up both side to top edge of dish table. Under side of all dish table shall be provided with sound deadening material either sprayed or brushed on into smooth coating. Sound deadening to be Carbozite or equal and finished sprayed with aluminum.

### **STAINLESS STEEL TABLE TOPS:**

Where SS tops are called for they shall be of not less than 16 GA SS finished in satin finish with all resulting edges rounded with no burrs or other excess material left. Where tables are placed against building walls they are to be turned up in back approx. 150 mm and returned 25 mm 90 at wall with all exposed ends closed. Vertical and horizontal joints to be coved on 20mm radius terminating in fully coved intersections thoroughly welded, ground and polished smooth to match top surfaces.

Top shall be constructed of single pieces of S.S and to be reinforced underneath with inverted type channels of not less than 16 GA G.I or S.S as noted above, space not more than 750 mm C.C. tables 1800 mm and longer to have 40 X 40 X 3mm galvanized steel angle frame work reinforced outside edges with cross channels over 750 mm or less.

### **SLIDING DOORS:**

Sliding doors where called for, to be made of 18 GA SS exterior and 20 GA galvanized steel interior unless otherwise specified.

Doors to be equipped with recessed Stainless Steel pull handles. Door to be made removable. Door to be double pan construction, filled with suitable sound deadener, 12 mm thick with all corners welded ground and polished smooth to uniform finish. Doors to be designed to permit removal for cleaning and adjustment without use of tools. Bolts and screws are to be kept to minimum and to be of corrosion resisting metal. Spacers where not exposed to view may be of 14 GA, 20 mm diameter upper suspension nylon rollers to be heavy duty and ground to minimize wear and noise. Precaution to be taken in all cases to avoid friction and rubbing between doors, door suspension and upper sliding framework including hardware.

### **NOTE :-**

Double doors to be provided with double overhead tracks and carriers for maximum clear door opening. Units to be provided with trackless bottom with concealed guide for overhead roller doors. Guides to be equipped with limit stops and to prevent telescoping of doors.

### **HINGED DOORS:**

Hinged doors for cabinets, counter etc. to be constructed of 18 GA SS with ground and polished smooth. Hinges catches and locking devices to be chrome plated brass. Hinges to be of construction as to eliminate exposed bolts and screw heads. Doors handles to be provided and to be SS as here in after specified.

### **COUNTER, CABINET AND OVERHEAD SHELVES:**

Counter shelves and cabinet shelves to be constructed of 18 GA SS. Overhead cabinets shelve to be constructed of 18 GA SS.

All shelving is to be removable type, finished in satin finish and constructed in sections of not more than 750 mm. where shelves are more than 1500mm above floor, underside of shelf to be finished same as top. All shelves to be removable for easy cleaning. Plate warmer shelves to be perforated and removable.



### UNTENSIL RACK:

Units to be measured approx. 600mm wide X length as shown on plan, constructed of 50mm X 6mm SS flat with ends fully rounded, one piece welded construction, ground and polished smooth to uniform finish. Center rails to be located approx. 250 mm below outer rails and secured by means of welded V shape braces constructed of same material. Pothooks to be sliding type, positioned 150 mm CC for both upper and lower rails.

Units to be hung from ceiling slab by means of 50 mm X 6mm SS band hangers with cross bracing to prevent swaying. Supports to be secured to racks by means of SS round heads, bolts and acorn nuts with lock washers. Top of ceiling hangers when not exposed to be secured to a 12 S.S. channel, which shall be anchored to ceiling slab in an approved manner. If supporting channels are exposed they are to be constructed of 12 GA SS secured to finish ceiling in approved manner.

Revolving utensil racks to be a here in after specified and in accordance with details shown on drawings.

### WALL CABINETS:

To be of length as shown on plans or which are specified, 325mm deep and 750mm high except where shown otherwise on drawing. **All cabinets to have sloped dust proof tops.** Exterior bottom to be a flush type construction.

Cabinets to be constructed of 18 GA SS of all welded construction. Cabinet interiors to be provided with fixed bottom shelf and two removable, adjustable, intermediate shelves. Shelves to rest on clips, which shall be secured to keyhole strips fastened to interior of cabinet. Doors to be of double wall construction fully sound proof, constructed in accordance with details here in before set forth.

### SINKS SET INTO WORK COUNTERS OR WORK TOPS:

Sinks to be constructed if same gauge and material as specified for counter top. Tops perimeter of each sink to be continuously electrically welded to the edge of opening in table or counter top with resulting welds ground and polished smooth so that sink and top are integral units. Table or counter tops to be punched to receive 20 mm faucets.

All sinks to have vertical and horizontal corners rounded on 25 mm radius with bottom punched to 40mm or 50mm waste outlet depending on which is indicated in drawings.

Sinks to be finished and appearance to be same as table or counter tops.

### BAIN MARIES (ELECTRIC)

To be of some construction as here in before specified as above except that the bottom of the units will not be provided with the steam coils. Bottom of units for electric operation will be furnished with emersion heating elements of size as shown on drawings. Complete with control knob, thermostatic sleeve and dial setting for temperature desired. Immersion heating element to be as manufactured by Escorts Ltd. Or approved equal. False bottom to be constructed to clear immersion heating element.

Cold pans are to be 150 mm deep and to be of size and shape as shown on the drawings with each cold pan section constructed as integral part of the counter.

Cold pans to be constructed of 16 GA SS with all vertical horizontal corners coved with serpentine cooling coils sweated to exteriors. Unit to be insulated on all four sides and bottom with 50 mm of cork set in glycol emulsion. Exterior lining to be of 18 GA galvanized iron with resulting joints fully welded. Top of counter to be flanged down 12 mm and out 12mm into cold pan and counter top. Bottom of pan to be pitched to 25mm

Misc. points :

1. Hind ware water mixture to be fixing in the sink. Model subject to Sample approval.
- 2 .30 meters Length 45mm square pipe.( SS)
3. S S corners angles for the wall corners size 3 mm thick, 55MM X 55 MM as per actual length.
4. Buffing required all the kitchen equipment.( Existing one like racks etc)
5. Drain basket make ACO 12 INCH X 12 INCHES fixed in the last point of drain chamber
  - ALL ACCESSORIES SHALL BE INCLUDED IN THE INSTALLATION AND COMMISSIONING LIKE FASTNERS, PLUG TOP, DRAIN PIPES-G.I. , FAUCETS, FELIXBLE GAS PIPES, FLEIXBLE WIRE UPTO 1.5 MTR OF SUITABLE RATING FOR CONNECTING/ENERGISING THE EQUIPMENTS, ANGLE VALVES , MIXTURES ETC.

#### MAKES

- AIR CURTAIN/insect couter- VTS/AVRO
- WATER COOLER- VOLTAS/BLUE STAR/
- REFERIGERATOR- ELECTROLUX/FOSTER
- COAL TANDOOR—MUNNI LAL
- PLUMBING FAUCETS- JAQUAR/PARKO/
- BURNERS – HPC, VALAVES- SAKHA
- FLEXIBLE GAS PIPES –SURAKSHA GI BRADED/ISI MARKED.
- LIGHT FITTINGS- PHILIPS/BAJAJ/C.G. ( CFL TYPE)
- FASTNERS- HILTI
- WHEELS- JAINSON
- LOCKS- GODREJ.