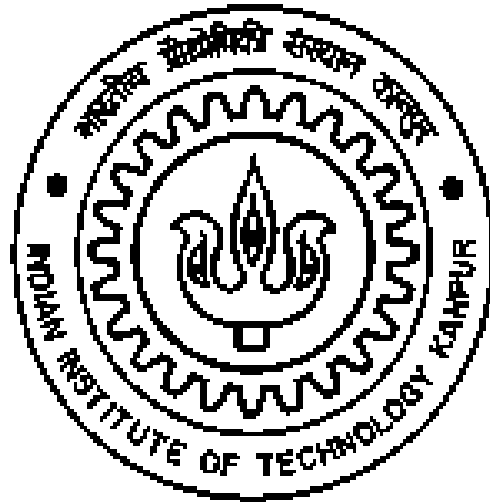


INDIAN INSTITUTE OF TECHNOLOGY,  
KANPUR



TENDER FOR  
SUPPLY, FABRICATION,  
INSTALLATION & COMMISSIONING  
OF KITCHEN EQUIPMENTS AT DINING  
HALL OF VISITORS HOSTEL-II

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C.P.W.D-6

**INDIAN INSTITUTE OF TECHNOLOGY,  
KANPUR INSTITUTE WORKS DEPARTMENT  
Notice Inviting e-Tender**

The Superintending Engineer, IWD,IIT Kanpur, on behalf of Board of Governors of IIT Kanpur, invites online Item rate tenders in two envelope system from the specialized agency in the field of supply, fabrication, installation and commissioning of kitchen equipment's.

S.N	NIT No.	Name of work and location	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time for online submission of bid	Last date for submitting hardcopy of EMD, and other documents	Time & date of opening of bid
1	<b>42/Civil/D2/2019-20/01</b>	Supply, Fabrication installation & commissioning of Kitchen equipment's at Dinning Hall of visitor Hostel-II.	Rs. 55,43,180 /	<b>Rs. 1,11,000/-</b>	90 Days	<b>Upto 3:30 PM on 27.03.2020</b>	After last date and time of submission of tender document upto 3:30 PM on 31.03.2020	Opening at 3:30 PM on 01.04.2020

Note: The contractor submitting the tender should read the schedule of quantities, additional conditions, additional specifications, particular specifications, CPWD- 6 and other terms and conditions given in the NIT and drawings. The bidder should also read the General Conditions of Contract for CPWD Works 2014 with correction slips, upto the date specified in schedule-F, which is available as Government of India Publications.

- 1) Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted:
  - a) Should have satisfactorily completed the works as mentioned below during the last seven years ending previous day of last date of submission of bids.

\* 3 (three) similar completed works costing not less than **Rs. 22.17 Lacs** or 2 (two) similar completed works, not less than **Rs 33.26 Lacs** or 1 (one) similar completed work of aggregate cost not less than **Rs 44.35 Lacs**.

**And**

One completed work of any nature (either part of (a) or a separate one) costing not less than Rs. 22.17 Lacs with some Central Government Department / State Government Department / Central Autonomous Body / Central Public Sector Undertakings).

**Note:** The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to the previous day of last date of submission of bids.

- b) Should have average annual financial turnover of **Rs. 27.72 Lacs** same type works during the last three years ending 31-03-2019.
  - c) Should not have incurred any loss in more than two years during the last five years ending 31-03-2018.
  - d) Should have solvency of **Rs 22.17 Lacs**.
  - e) Should have valid registration with GST authority.
2. The intending bidder must read the terms and conditions carefully. He should submit his bid only if he considers himself eligible and he is in possession of all the documents required.
  3. The bid document consisting of the schedule of quantity, terms and condition, i/c plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen in the office the Engineer-in-Charge between hours of **11:00 AM and 4:00 PM from date of publicity of tender to date of submission of tender every day** except on Saturday, Sunday and public holidays or can be seen and downloaded from website <https://eprocure.gov.in/eprocure/app>, [www.tenderhome.com](http://www.tenderhome.com) & [www.iitk.ac.in/iwd/tenderhall.htm](http://www.iitk.ac.in/iwd/tenderhall.htm). The bids can only be submitted online at <https://eprocure.gov.in/eprocure/app>, free of cost.

4. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
5. The intending bidder must have valid class-III **digital signature** to submit the bid.
6. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
7. Contractor can upload the documents in the form of **JPG** format and **PDF** format.
8. **If a tenderer does not quote any percentage above/below on the total amount of the tender or any section/sub head in the item rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.**
9. The Institute reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
10. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
11. a) Earnest Money in the form of Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of the Director, IIT Kanpur shall be scanned and uploaded to the e-Tendering website by the bidder within the period of bid submission.

**A part of earnest money (EM)** is acceptable in the form of bank guarantee also. In such case, **minimum** 50% of earnest money or Rs. 20 lacs, whichever is less, **shall** have to be deposited in shape prescribed above, and balance **may be deposited** in shape of Bank Guarantee of any scheduled bank **having validity for four months or more from the last date of receipt of bids** which also is to be scanned and uploaded by the intending bidders. The original EMD should be deposited in hardcopy in the office of Executive Engineer along with the mentioned documents.

12. Copy of documents as specified in the tender document shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, copy (original/self-certified as mentioned in **Para 18** below) of all the scanned and uploaded documents as specified in bid document shall have to be submitted by the all bidders, physically in the office of tender opening authority.
13. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
  - (i) The bidder is found ineligible.
  - (ii) **The bidder does not deposit original EMD to the office of Executive Engineer, IWD, IIT Kanpur.**
  - (iii) The bidder does not upload all the documents (**including GST registration**) as stipulated in the bid document **including the scan copy of the EMD.**

- (iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted **physically by the bidder** in the office of bid opening authority.
  - (v) If a bidder does not quote any rate on the amount of the tender or any section/sub head in item rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
14. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra cost consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
  15. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
  16. The contractor shall not be permitted to bid for works in the IWD responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any officer in the Institute Works Department. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
  17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

**18. List of Documents to be scanned and uploaded within the period of bid submission:**

- i. Treasury Challan/ demand Draft/ Pay Order or Banker's Cheque / Deposit at call Receipt / Bank Guarantee of any scheduled Bank against EMD (All drawn in favour of the **Director, IIT Kanpur**).
- ii. Photocopy/scan copy of original EMD.
- iii. Certificate of Incorporation.
- iv. Certificates of Work Experience.
- v. Certificate of Financial Turnover from CA.
- vi. Bank Solvency Certificate.
- vii. Affidavit as per provisions of clause 1.2.3 of CPWD-6.
- viii. Certificate of Registration of GST.
- ix. Any other Document as required.

19. **Certificate of Financial Turnover:** At the time of submission of bid, contractor may upload Affidavit / Certificate form CA mentioning Financial Turnover of last 5 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.

20. Contractor must ensure to quote item rate for each item in column meant for quoting rate in the estimated cost appears in yellow. In addition to this, while selecting any of the cells a warning appears that if cell is left blank the same shall be treated as "0".

21. If any Information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering for future work. The Institute reserves the right to verify the particulars furnished by the applicant independently.

**(Tarun Gautam)**  
Superintending Engineer

## 1.0 INSTRUCTIONS TO BIDDERS

### 1 GENERAL

General bids for furnishing all labour, materials, services necessary for the supply, fabrication, installation and commissioning of Kitchen Equipment's for Dining Hall of Vistors Hostel-II at Indian Institute of Technology, Kanpur. Each bid submitted should be enclosed in a sealed envelope clearly marked "BID FOR KITCHEN EQUIPMENTS AT VH-II, IIT-Kanpur".

- (a) Name of work Supply, fabrication, installation, commissioning of kitchen equipment's for the Dining Hall of Visitors Hostel- II at IIT, Kanpur.
- (b) Site of work Dining hall of Vistors Hostel- II, IIT campus, Kanpur.
- (c) Scope of work Supply of kitchen machines, supply, fabrication, installation and commissioning of kitchen equipment's, & supply of bought out equipment's
- (d) Owners Indian Institute of Technology Kanpur – 208016
- (e) Consultant Shri Avinash Garg  
73A, Pocket A, Sukhdev Vihar  
New Delhi. 110025  
Tel. 011 - 26841037, 26913320

### 2 DETAILS OF TENDER

- (a) Estimated cost of work **Rs. 55,43,180.00**
- (b) Time work for completion 90 days from award of tender
- (c) Availability of Tender Document From 10.00 a.m. to 5.00 p.m. on all working days from 12. 03. 2020 to 26.03.2020
- (d) Earnest money deposit . Rs. 1,11,000/- in the shape of FDR/STDR of a schedule Bank in favour of The Director, Indian Institute of Technology, Kanpur.
- (e) Time & date of opening of Tender 15.30 pm on 01.04.2020
- (f) Escalation of Prices Tender shall be on a fixed price contract only (i.e. no escalation)
- (g) Performance Guarantee 5% of tender value and will be released after 12 months of successfully completion of the work.
- (h) Defect liability period 12 months from date of commissioning completion of work

2.1 Earnest money deposited by un-successful tenderers shall be refunded after 60 days of receipt of tender. This deposit shall not bear any interest.

2.2 The sum @ 5% of the gross amount of the bill shall be deducted from each running bill of the supplier, till the sum along with the sum already deposited as earnest money



amount to security deposit @5% of the tendered amount of the work. This is in addition to the performance guarantee that the contractor is requested to deposit.

2.3 Earnest money deposited by contractor shall be liable to be forfeited in case the contractor does not start the work within 10 days of the date of issue of written acceptance of the tender by the owner.

2.4 Tenderers are advised to inspect the site, examine the drawings and make all investigations regarding the extent of work, its scope and condition under which the work is to be executed. No claim for extra payment of any kind on account of lack of information about the site conditions shall be entertained after the acceptance of tender.

### 3 BID OPENING

All bids shall be opened by the Institute and decision regarding negotiation / award of work will be communicated to the bidder.

### 4 BID REQUIREMENTS.

a) Bidder shall quote the rates in the Bill of Quantities, against each item.

b) Bidders shall not be reimbursed for any costs whatsoever incurred in connection with the preparation and submission of their bids.

c) All bids submitted must be complete in every respect. Each document shall be signed by the bidder.

### 5 REVIEW OF BIDS AND CONTRACT AWARD.

a) Each bid will be checked in detail by the Institute/Consultants to ascertain compliance with the tender documents, and to make sure whether the bid is fully responsive to the specifications and whether it is generally in order.

d) Institute /Consultants reserve the right to reject any or all the bids, without assigning any reason.

6. Your tender must be accompanied by a detailed bar chart and your firm proposal and policy towards deployment of your own resources so as to complete the project within the specified time.

I/We have read all the terms and conditions mentioned and I/We fully agree to carry out the work accurately and according to the given terms and conditions, specifications, drawings, bill of quantities and as per instructions of Institute /Consultants.

(Contractor Signature with Seal)

## **2.0 GENERAL CONDITIONS OF CONTRACT**

### **A. Price to include**

Price quoted for each item in unit prices shall be inclusive of the following:-

- a) Price quoted shall be for the item supplied, installed and commissioned in all respects including all taxes (i.e. GST/IGST, etc.), works contract acts excise, transport, octroi, insurance etc. and the cost of all the materials, fitting, fixtures, all labour, foundations of the equipment, piping and electrical, as required of the equipment and for all the operations detailed in the respective specifications and contract conditions and drawings.

These prices shall remain firm during the currency of this contract.

- b) Training of personnel

For a period of one week after installation and commissioning, your engineers/ technicians shall supervise the running the system and simultaneously train our staff in operation and maintenance.

- c) Visits for preventive maintenance

Your technician will visit the site thrice in the defects liability period (after every four months) for servicing and preventive maintenance of the equipment.

### **B. Tender Drawings.**

Drawing along with the tender documents shall be returned to the Institute /Consultants with the tenders duly signed, dated and stamped of organisation which shall be kept for record.

### **C. Reference Drawings.**

The Contractor shall maintain one set of all drawings issued to him as reference drawings. All corrections, deviations and changes, instructed/ approved by Institute / Consultant made on the site shall be shown on these reference drawings for final incorporation in the completion drawings.

### **D. Execution of Works**

At all stages of work the contractor shall maintain a close liaison with the consultants and with all other contractors working at the site. All works shall be executed in harmony with other works i.e. civil, plumbing, electrical, HVAC etc. Working hours shall remain only during day light, the work may be permitted beyond day light only as exceptional case or for very specific requirement by IIT, Kanpur. For such cases prior intimation and approval will be necessary.

### **E. Water & Electricity Supply**

Water and electricity shall be provided free of cost at the site for installation and testing of supplied equipment at site

**F. Escalations**

No escalation on any account what so ever will be admissible.

**G. Indemnity**

Contractor shall irrevocably undertake with the Institute to indemnify them and keep the Institute fully and effectively indemnified on demand from and against any and all loss, claims, liability, demands, actions, damage and expense (including legal costs on a full and unqualified indemnity basis) which the Institute may suffer or incur directly as a result of any breach by the contractor of its obligations to IIT, Kanpur under the agreement or otherwise.

**H. Contractors Responsibilities**

The contractor shall use all reasonable means to prevent any nuisance to the adjacent property and members of public.

Tiles, terrazzo, finished marble or any other kind of wall or floor surfaces shall have to be protected with suitable means prior to the movement/ placing of the equipment across the same. The contractor will have to make good any damages suffered on this account.

Contractor is to certify that only competent staff and workers are being employed for the works.

**I. Order of Precedence**

Architectural drawings shall take precedence over other drawings as to all dimensions.

Contractor shall verify all dimensions at site and bring to the notice of the architects all discrepancies or deviations noticed. Architects decision shall be final.

Large scale drawings shall take precedence over small scale drawings.

Manufacturer dimensions for equipment, fixtures etc. to be used in works shall take precedence over drawings.

**J. Shop drawings. (on allotment of work)**

- a) The contractor shall submit to the Institute / Consultants four copies of the shop drawings within Ten (10) days of the receipt of letter of intent and incorporate site dimensions within 10 days of receipt of letter of intent.

- b) Shop drawings shall be submitted for the following:-
- i) Showing any changes in layout in the kitchen drawings.
  - ii) Equipment and piping and other related diagrams.
  - iii) Manufacturers or contractors fabrication drawings for any material or equipment supplied by him.
  - iv) The drawings shall show where the equipment requires cutting or close fitting and shall show all reinforcements, anchorage and other details required for complete installation.
  - v) Shop drawings of fabricated equipment shall be drawn to a scale of not less than 1:20.
  - vi) The drawings shall be submitted to the architects for comments and approval with the clear cut understanding that fabrication shall proceed only after all details have been approved by the architects.

#### **K. Specifications**

The specification shall be considered as part of this contract. The drawings indicate the extent and general arrangement of the fixtures, fittings, pipes etc. are essentially diagrammatic.

Bureau of Indian Standards. A reference made to any Indian Standard specification in tender document, shall imply reference to the latest version of that standard, including such revision/amendments as may be issued by the Indian Standard Institute. During the currency of the contract and corresponding clause/s therein, shall hold valid in place of those referred to.

The work shall be installed as indicated on the drawings, however any minor change found essential to co-ordinate the installation of this work with other trades shall be made without any additional cost to the owner. The drawings are for the guidance of the contractor. Exact locations, distances and levels shall be governed by the site conditions and architectural drawings.

#### **L. Manufacturers Instructions**

In case manufacturers have furnished specific instructions for any materials/ execution of works which have not been mentioned in the tender documents these instructions shall immediately be brought to the notice of the Architects and followed.

#### **M. Guarantees**

Guarantees from suppliers for equipment, fixtures etc. shall be submitted to the Institute / Consultants along with the bills for payment.

All required guarantees shall be submitted to the Institute along with the covering form, format of which is to be approved by the Institute / Consultants.

**N. Site Dimensions**

The contractor shall take all site dimensions himself and shall be solely responsible for dimensional accuracy of products and subsequent fitting at site.

The owner reserves the right to require the contractors to make reasonable modifications in the routing of work and relocation of equipment. This specifically refers to conditions where interference occurs or where more desirable accessibility can be obtained or where materials cannot be installed because of structural or mechanical conditions encountered. The contractors will receive no compensation for such changes.

**O. Permits and Clearances.**

On successful completion of the installation, a certificate in the required format shall be furnished by the contractor. The contractor shall be responsible for getting the entire installation duly approved by the concerned authority and obtain permits and clearances for the equipment where required e.g. Burners etc.

**P. Maintenance Manual**

Contractor shall submit a detailed maintenance manual along with as installed drawings and list of spare parts. Routine spares to be provided with every machine supplied. Details of subsequent AMC may also be mentioned.

## **IMPORTANT NOTES:**

- 1 All technical specifications, materials and works shall be as per the drawings/specifications and the instructions given by the Institute and Consultants.
- 2 The Institute/Consultants reserve the right to add/delete/alter any specification, drawings and or quantity and give new specification/quantity at any stage of work.
- 3 The tendered is advised to familiarise himself with site conditions and local rules and regulations of the area before quoting. He must understand each and every BOQ item fully and his quoted rate must include for each and every requirement for the item, complete in all respects. He is welcome to approach the Consultants in case of any doubts, before tendering. No extra claim would be entertained later, on account of this.
- 4 The description of various items in the bill of quantities is meant for giving only a general guidance. All items, however, shall be carried out as per drawings / specifications (attached herewith) or as per the instructions given by the institute Employer/Consultants.
- 5 All materials used shall be of approved brand and make as mentioned in the list of the same, which forms part of this tender, unless specified otherwise in the item and/or approved from Institute / Consultants.
- 6 Subcontractors/Fabricators have to be duly approved by the Institute/ consultants.

### 3.0 AGREEMENT

To,

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Subject: Tender for Supply, fabrication, installation, commissioning of kitchen equipment's for the Dining Hall of Visitors Hostel-II at IIT, Kanpur Campus.**

Dear Sir,

- 1 I/We tender for the execution of work of kitchen equipment of dining hall of Vistors Hostel-II at IIT, Kanpur campus, as per tender documents with in the time schedule of completion of work, as separately signed and accepted by me/us, at the rates quoted by me/us for whole/part work in accordance with the tender documents. General rules and directions, special conditions of contract, schedule of quantities, specifications for materials and workmanship, drawings, proposed time scheduled of completion of job, and all as detailed in the tender documents.
- 2 It has been explained to me/us that time stipulated for completion of work in all respect is accepted and signed by me/us to be followed strictly. I/we agree that in the case of failure on my/our part on completion of work as stipulated, I/we shall pay compensation/penalty to the owner as per provisions and stipulation contained in the provisions of tender documents and I/we agree to recovery being made as specified therein.
- 3 I/we agree to pay security deposit and accept term and conditions laid below in this respect:

- 3.1 Performance Guarantee – 5% of tender value will be released after 12 months of successfully completion of the work.
- 3.2 The sum @ 5% of the gross amount of the bill shall be deducted from each running bill of the supplier, till the sum along with the sum already deposited as earnest money amount to security deposit @5% of the tendered amount of the work. This is in addition to the performance guarantee that the contractor is requested to deposit.
  
- 4 Should this tender be accepted, I/we hereby to abide by and fulfil all terms and conditions referred to above and in default thereof, to forfeit and pay to the owner or its successors or its authorised nominees such sums of money as are stipulated in the conditions contained the tender documents.
  
- 5 If I/we fail to commence the work as stipulated, I/we agree that said owner or its successors without prejudice to any right or remedy be at liberty to forfeit the said earnest money deposit specified. The said owner shall also be at liberty to cancel the notice of acceptance of tender if we fail to execute an agreement or to short work as stipulated in the tender document.

Date: \_\_\_\_\_ day of 2020

Witness:

Yours faithfully,

(Signature of tenders with Seal of Firm)



#### **4.0 APPENDIX OF HEREIN BEFORE REFERRED TO PAYMENT**

##### 4.0 Security

- |                           |   |
|---------------------------|---|
| (a) Earnest Money Deposit | Rs. 1,11,000/- (Rs. One Lac Eleven Thousand)  |
| (b) Mobilisation Advance  | No Advances.  |
| (c) Material/Equipment    | 100 percent payment after installation, commissioning, testing of site .                    |
| (d) Performance Guarantee | 5% of tender value will be released after 12 months of successfully completion of the work. |

4.1 Defect Liability Period 12 months from date of completion of work.

4.2 Date of Commencement Within 7 days of receipt of written order.

4.3 Date of Completion 90 days from date of award of contract.

4.4 Levy of Penalty At the rate of Rs.500/- per day for each day of delay.

4.5 Electricity & Water point. To be provided by the Institute free of cost at one point.

4.6 Approvals & Permits All approval/permits to be obtained by the contractor at his own cost.

4.7 All risk policy/ESI/PF All Govt regulation/workers insurance to be followed. Contractor will arrange all risk policy including their equipment's.

4.8 Freight, Insurance, Packing Forwarding, Loading & Unloading to be included in the Bid.

4.9 Taxes & Duties Price quoted should be inclusive of all taxes including GST.

4.10 TDS Will be deducted as per rules.

4.11 Insurance Cover All risk cover to be arranged by the contractor for the period of contract plus 12 months of defect liability period.

## **5.0 KITCHEN EQUIPMENT SPECIFICATIONS**

### **1) General:**

- a) Kitchen equipment bidder shall furnish separate prices for each and every piece of equipment including its installation.
- b) Kitchen equipment bidder shall furnish one quotation: As specified with all material.

### **2) Scope of work:**

- a) The kitchen equipment fabricator shall provide all necessary holes and/or openings in the kitchen equipment which may be required for the proper installation of the plumbing, electrical, ventilating and refrigeration connections.
- b) It is the intention of these specifications to cover items suitable for the purpose intended and to be capable of performing efficiently the work intended.
- c) All items shall suit space conditions. All dimensions given herein are approximate only, and in all cases where equipment is intended to occupy fixed locations and spaces, the physical conditions of the building are to control the absolute sizes.
- d) The kitchen equipment fabricator shall obtain all necessary information and field measurements of the site required for the fabrication of equipment.
- e) It is the intention of these plans and specification to describe complete systems and items. The fabricator shall furnish without additional cost to the Owner, all appurtenances and/or accessories which may not specifically be mentioned in the specifications or shown on the drawings, but which are required for the proper functioning of the equipment.
- f) The Kitchen Equipment Fabricator shall study all drawings before making a bid and shall inform the owners any changes or deviation from these drawings, so that they can be taken into consideration.

### **3) Stainless steel:**

- a) Where stainless steel is specified it shall be what is known to the trade as Austenitic 18-8, type 304, 2B finish, with a content of 17% to 19% chrome, 7% to 9% nickel.
- b) Stainless steel shall be free from scale and all surfaces shall be polished to No. 4 commercial finish until and unless specified otherwise.

**4) Galvanised iron:**

- a) Where galvanised iron is called for, it shall be galvanised on an 8% copper bearing alloy sheet, with an approved hot pure zinc galvanised. Where galvanised iron has been welded, all seams shall be cleaned and scale removed and finished with prime coat of compatible paint.
- b) Galvanised structural steel, welded into sections of framing, racks, shelves etc. shall be not dipped after fabrication.

**5) Stainless steel pipe and tubing:**

- a) Where stainless steel pipe or tubing is specified, it shall be seamless or welded, of gauge specified and of true roundness. Seamless tubing shall be thoroughly and properly annealed, pickled, ground smooth and finished to match adjacent work. Welded tubing shall be thoroughly heat treated, properly quenched to eliminate carbide precipitation, then drawn true to size and roundness and ground as required. All tubing, where exposed to view, shall be given a final grind of not less than 180 grit emery.

**6) Structural steel shapes**

- a) All angles, band, channels or other structural shapes used for framing shall be 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 galvanised or tinned by the hot dip process, with all fluxes removed and in the case of galvanised, excess spelter removed and be smooth and free from cold runs, blisters, un-coated or scaly patches.

**7) Handles, brackets, locking devices and hardware:**

- a) Wherever equipment is provided with handles, knobs, hinges, brackets or other miscellaneous hardware, all shall be of either heavy satin finish chrome plated brass or stainless steel or metallurgical composition specified herein after under items to be furnished.
- b) All enclosed cabinets, refrigerators, storage bins, shall be furnished with extra heavy duty, security type, locking devices, chrome plated.

**8) Fastenings:**

- a) 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 insure suitable fastening and prevent bulging of the metals fastened.

## **9) Welding**

- a) All welding shall be done by the electric 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 same composition as sheets or parts welded.
- b) Welds shall be complete welds, strong and ductile, with excess metal ground off and joints finished smooth to match adjoining surface. Welds are to be free of mechanical imperfections such as gas holes, pits, runs, cracks, etc. and shall have same colour as adjoining sheet surfaces. All joints in tops of fixtures, tables, drain boards, exposed shelving, sinks etc. shall be welded. All equipment herein specified, which is constructed of more than one piece of sheet of metal, shall be continuously but welded together with welds made by spot welding, straps under beams and filling in the voids with solder and finishing by grinding, will not be acceptable. It is the intention of this specification that all welded joints shall be homogeneous 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 are then welded, ground and polished smooth in accordance with section 10. Wherever welds occur on surface not finished by grinding and polishing, such welds and the accompanying discoloration shall be suitably coated in factory by means of metallic base paints, to prevent the possibility of progressive corrosion at such joints.

## **10) Grinding polishing finishing:**

- a) All welded exposed joints shall be suitably ground flush with adjoining material and neatly finished to harmonise therewith. Wherever material has been sunken or depressed by a welding operation, such depression shall be suitably hammered and peered 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 and 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 high grade.
- b) Butt joints and contact joints, wherever they occur, shall be close fitting and shall not require solder as filler. In no case is soldering operation done where dependence is placed solely on soldering for strength and stability of joints or fixture itself. Wherever break

bends occur, they shall be free of undue extrudence 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 suitable grinding, polishing and finishing. Wherever sheared edges occur, they shall be free of burrs, fins or irregular projections and shall be finished over such sheared edges.

- c) It is the intention specification to cover equipment of a quality finish, consistent with high grade manufacturing practices. All exposed surfaces shall be No. 4 finish except trim which is to be more highly polished satin finish. Where specified all cabinets, doors shelves, whether inside or outside or cabinets and wherever exposed, are to be No. 4 finish. This applies to inside finish of any cabinet having doors or otherwise. An exposed surface shall be interpreted meaning an inside surface exposed to view when a sliding or swinging door is opened. Underside of shelf need not be No. 4 finish, but such finish shall be at least equal to 80 ground finish. Final No. 4 finish, to be factory finish, not as finished by mill. Indication of die markings not blending with final finish will not be accepted.

#### **11) Bolt Construction:**

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

#### **12) Sound deadening:**

- a) Underside of all stainless steel tops for tables, counters, sinks, dish and pot tables with angle framework shall be treated with a coating of sound deadening paint.

#### **13) Material and workmanship:**

- a) All material, equipment etc. shall be new and of kinds specified and shall be in undamaged condition when turned over to Owner. All workmanship shall be of best quality by craftsman skilled in their respective trades. Appliance shall be of rigid construction, free from objectionable vibrations and quiet in operation.

#### **14) Reservations:**

- a) Various items are specified herein by model number, brand or trade name 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 in every respect. However, no substitutes or alternates will be acceptable if not mentioned in base bid.
- b) Owner reserves right to waive any informalities or reject any or all bids and any part or parts thereof, or to accept that bid as a whole or part which in his judgement is for the interest of the Owner.
- c) The decision as to acceptance or rejection of any alternate proposed shall be that of Owner and their decision shall be final.

**15) Contractor's representative:**

- a) Upon acceptance of bid and consumption of contract, Contractor shall designate by letter to **Indian Institute of Technology, Kanpur** one individual of his organisation who shall thereafter act as his representative in all negotiations and instructions given to his representative shall be valid and binding on contractor.

**16) Legs:**

- a) As mentioned in the BOQ.

**17) Leg cross bracing:**

- a) All leg cross bracing, where required, to be constructed of not less than 25mm OD stainless steel tubing and to be specified above for legs except as noted below. All cross bracing to run horizontal between all legs, approximately 25mm 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 extend to given leg, 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 here-in-before.

**18) Under bracing:**

- a) All stainless steel counter, tables, drain-boards and dish table tops to be braced below with inverted type hat shaped channels made of 16 swg stainless steel measuring 25mmx100mmx25mm, spaced not more than 750mm on centres and installed in similar fashion.

**19) Feet:**

- a) All legs shall be provided with stainless steel bullet feet, having an integrally formed shaft, with a minimum adjustment of approximately 38mm without the use of threading

or adjusting bolts. Feet shall be completely sealed at bottom and shall be close fitting between tubular leg support and foot.

**20) Under shelving:**

- a) Where flat under shelving is specified, under shelves shall be constructed of 18 gauge polished stainless steel. All shelving shall be turned down on all sides approximately 38mm and under 12mm in channel shape, with resulting corners cut out to fit contour of leg. Shelving shall be bolted to leg with stainless steel curved head bolts. Under shelving shall be reinforced with 16 gauge 25 mm x 100 mm x 25 mm, stainless steel welded channels.
- b) Removable type shelving to be of same materials, rolled down on all sides, with corners notched to contour of leg, with resultant notches ground and polished smooth. Under shelving to be constructed in sections of not more than 36" and where butted against adjoining shelf section, shelving to be turned down 38mm and under 12mm in channel shape. Supporting channel to be furnished on underside of each shelf section of same size and material as specified above.
- c) Where slotted under shelving is specified, it shall consist of a series of stainless steel panels or sections, these to be slotted and sides of slots turned down to form cross channels. Slots to be approximately 31mm wide and channels approximately 75mm wide. Panels are to be rounded over pipe supports described herein before with all edges rounded and polished, grounded smooth to assure easy cleaning. Panels to be of not less than 18 gauge stainless steel and are to be removable. Panels to be not more that 750mm wide in any direction. Sections may be made up from single sheet, stamped out, or by forming channels and welding in end pieces. Slots shall run front to rear in all cases. Adequate reinforcing shall be provided beneath panels where they rest on pipe frames. All working surfaces to be made flush.

**21) Sinks and drain boards:**

- a) All sinks and drain boards to be constructed of 16 gauge polished stainless steel, unless otherwise specified, with all joints neatly welded, ground and polished smooth. No soldering at any points, will be accepted in sink and drain board construction. All front and free standing edges to be extended upward 750mm measured at 12mm, Sinks and drain boards to have 150mm high splash backs level and continuous, not following pitch of drain board, adjacent to walls or adjoining equipment. Except as noted otherwise, where drain boards are 600mm or less, they may be supported on 25mm OD x .083 thick stainless steel, tubular, diagonal braces, and secured to sink gusset plates, welded around entire perimeter, grounded and polished smooth. Where drain boards exceeds 600mm in length, legs shall be provided as here in before specified. All vertical and horizontal

corners to be rounded to radius of approximately 25mm, with all intersections meeting in the spherical sections. All sinks having two or more compartments to have double dividing partitions, with fully rounded corner, both vertical and horizontal. All corners of drain boards to be rounded on inside to a radius of 25mm where rolled rim meets front roll rim. Splash backs to be rounded on inside to radius of 1". Front corners of rolled rim to be fully rounded on outside roll, and be concentric with inside of roll. Bottom of each sink compartment to be creased to sufficient pitch towards waste outlets, 18 gauge stainless steel perforated, removable strainer plate, set not less than 9 mm below sink bottom. Opening for hot and cold water faucets to be cut into splash backs as required. All sinks shall be 350mm deep/unless otherwise specified or indicated on drawings. Exposed exterior and interior of sinks and drain boards to be finished to a No. 4 satin finish.

- b) Where sinks are to be built as part of counters, overflow scrap compartments for sinks, as indicated on plans, to be constructed same as above, welded into place, with resulting welds ground and polished smooth, eliminating all traces of welding.
- c) Bottom of each sink compartment to be furnished with 50mm IPS heavy duty, lever drain, constructed with removable puppet valve, in addition to neoprene "O" ring, affording double security against leakage. Lever handles to be furnished of adequate length so that rod handle will not protrude beyond sink body. Waste outlet to be furnished with strainer plate for all pot sinks having overflow compartment. All sinks compartments, with nor overflow compartments, provided therein, to be furnished with lever drain, complete with stainless steel strainer plates and overflow assemblies. Where 38mm outlet connections are called for, above drains to be furnished with adapter and removable crumb cup stainer baskets. Unless otherwise noted, connected overflow to be furnished with stainless steel performed plates secured to body of sink and constructed so that constant water level is 25mm below dividing partitions.

## **22) Dish tables:**

- a) Dish tables to be constructed same as previously specified for sink drain boards, except as noted below:
  - i) Where tables enter dish washing machine or pot washing they shall be turned down 25mm into machine and a flange provided at both front and splash backs, arranged so as to permit a neoprene gasket, approximately 5mm thick, being bolted between flanges and turn down of table forming a water tight joint across bottom and up both sides to top edge of dish tables.
  - ii) Underside of all dish tables shall be provided with sound deadening material, either sprayed or brushed on, into a smooth coating. Sound deadening to be "Carbozite" or equal, and finished sprayed with compatible paint.



### **23) Stainless steel table tops:**

- a) Where stainless steel tops are called for they may be of not less than 16 gauge polished stainless steel, finished in a No. 4 satin finish, with all resulting edges rounded with no burrs or other excess material left. Tops to be turned down 50mm and in 12mm on all exposed sides. Where tables are placed against building walls, they are to be turned up in back approx. 150mm and returned 25mm at 90 to wall and down 12mm with all exposed ends closed.
- b) Vertical and horizontal joints to be coved on 19mm radius terminating in fully coved intersection, thoroughly welded, ground and polished smooth to match top surfaces. All corners to be channel shape. Tops shall be constructed of single pieces of stainless steel and to be reinforced underneath with inverted type channels of not less than 14 gauge stainless steel as noted above, spaced not more than 750mm C/C Tables 1800mm and longer to have 38mm x 38mm x 3mm galvanised steel angle framework reinforcing outside edge, with cross channels every 750mm or less. A rubber gasket is to be provided between the stainless steel tops and the angle iron framework to prevent galvanic action between the stainless steel sheet and the framework.

### **24) Sliding doors:**

- a) Sliding doors where called for to be made of 20 gauge polished stainless steel exterior and 20 gauge stainless steel interior, unless otherwise specified. Doors to be equipped with die-stamped recessed stainless steel pull handles. Doors to be made removable. Doors to be of double pan construction, filled with suitable sound deadener, 12mm thick, with all corners welded, ground and polished smooth to uniform finish. Doors to be designed to permit removal for cleaning or adjustment without use of tools. Bolts and screws to be kept to minimum and to be of corrosion resisting metal. Spacers where not exposed to view may be of 14 gauge, 19mm diameter. upper suspension nylon rollers to be heavy duty and ground to minimise wear and noise. Precaution to be taken in all cases to avoid friction or rubbing between doors, door suspensions 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 provide with trackless bottom with concealed guide for overhead roller doors. Guides to be equipped with limit stops to prevent telescoping of doors.

### **25) Hinged doors:**

- a) Hinged doors for cabinets, counters, etc. to be constructed of 20 gauge fronts, polished stainless steel, with ground and polished smooth. Hinges, catches and locking devices to

be chrome plated brass. Hinges to be of construction as to eliminate exposed bolt and screw heads. Door handles to be provided and to be of stainless steel and flush mounted.

**26) Counter shelves, cabinet shelves & wall shelves:**

- a) Counter shelves and cabinet shelves to be constructed of 18 gauge polished stainless steel. Overhead cabinet shelves to be constructed of 18 gauge polished stainless steel. All shelving to be removable type, finished in No. 4 satin finish and constructed in sections of not more than 750mm. All shelves to be removable for easy cleaning.

**27) Sinks set into work counters or table tops:**

- a) Sinks to be constructed of same gauge and material as specified for counter tops. Top perimeter of each sink to be continuously electrically welded to edge of opening in table of counter top, with resulting welds ground and polished smooth so that sink and tops are integral unit.
- b) All sinks to have both vertical and horizontal corners rounded on 25mm radius, with bottoms pitched to 38mm or 50mm waste outlet depending on which is indicated drawings.
- c) Sinks to be finished and appearance to be same as table or counter tops.

**28) Bain Maries (electric):**

- a) To be of same construction as here-in-before specified above, except that bottom of units will not be provided with steam coils. Bottom of units for electric operation will be furnished with immersion heating elements complete with indicator lights control knob, thermostatic sleeve with dial setting for temperature desired. False bottom to be constructed to clear immersion heating element.

**29) Mechanical connections:**

- a) All plumbing, steam, electrical, ventilating services and final connections are not included as part of the Kitchen Equipment Contract. However, all pipes and fittings within equipment, all necessary valves and fittings, and all starting switches as required with overload protection, shall be furnished as required with the respective items of equipment.

**30) Faucets, valves, fittings, etc. (plumbing):**

- a) Kitchen Equipment Contractor to include following: faucets, valves, fittings, etc. as part of kitchen equipment contract. It will be the Kitchen Equipment Contractor's responsibility to furnish all necessary faucets, valves, fittings, etc. and furnish these parts to Plumbing Contractor.

**31) Refrigeration and refrigeration equipment:**

- a) All compressor mounted within counters, remotely installed or installed on bases, etc. shall be equipped with anti-vibrators and noise eliminators. Units shall be heavy duty, noiseless, of approved manufacture. All compressors though not called for in specifications to be provided with necessary starting switches. Remote and self-contained refrigerators, ice cream cabinets and other refrigeration equipment shall be furnished with manufacturer's warranty for period of one (1) year from date of installation.
- b) All compressors to be complete with copper tubing, dehydrated and sealed at time of installation and to be provided with pressure switches, line dryers, dehydrators and sight glasses. Refrigerant lines extended from compressor locations to individual units to be fully wrapped and adequately supported. In all instances both suction and pressure lines are to be run individually and wrapped individually.

**32) Shop drawings:**

- a) Within ONE (1) weeks after the award of the contract, the supplier shall furnish shop drawings with details showing all dimensions, construction and installation details. The drawings shall show where the equipment requires cutting or close fitting and shall show all reinforcements, anchorage and other details required for complete installation. Shop drawings of fabricated equipment shall be drawn to a scale of not less than 1:20. The detailed drawings shall be submitted to the Owner for comments and approval with the clear cut understanding that fabrication shall proceed only after all details have been officially approved by the Owner.

**6.0 CONDITIONS FOR BOUGHT OUT KITCHEN EQUIPMENT**

**6.1. GENERAL**

The bidder study the specifications before their bids and shall clearly indicate and changes or deviations from those given in the documents in their jobs. Deviations should be shown in a tabular form clearly indicating item wise deviation alongside original specifications so these may be considered during evaluation of the bid.

The bidders are required to quote by considering the following:

- Ex-factory / work basis.
- Packing & forwarding.
- Loading / unloading at ports and at work site.

- Transportation from works to site.
  - Installation cost with details.
- a. **Modular kitchen Equipment contractor (M.K.E.C)** shall ask the owner in writing within one week of receiving tender documents for any clarifications and shall promptly bring to the owner's attention any discrepancy, duplication or omission that may come to his notice.
  - b. M.K.E.C shall furnish total price installed, with break-up of prices giving F.O.B. (U.S.S) rates and onwards, including cost of sea-worthy packing/containerization, sea-freight, insurance, import duty with E.P.C.G. benefit, octroi (if applicable), customs clearance charges, work contract tax, IGST/CGST/UGST, service charges and any other costs etc.
  - c. M.K.E.C. should confirm that all equipment quoted would carry manufactures warranty of 12 months from the date of complete handing over.
  - d. It shall be the responsibility of the M.K.E.C for complete work including supply, assembly and installation, commissioning, testing and handing over to installation.

## 6.2. SPECIAL CONDITIONS FOR IMPORTED KITCHEN EQUIPMENTS

### 6.3. IMPORTED KITCHEN EQUIPMENT CONTRACTOR (M.K.E.C)

- Shall ask the owner in writing within two weeks of receiving tender documents for any clarifications and shall promptly bring to the Institute on any discrepancy, duplication or omission that may come to his notice.
- M.K.E.C shall include the cost of sea worthy packing / containerization and the estimated cost of inland transportation, sea freight and import duties as applicable.
- M.K.E.C shall include in the cost for installation, testing and commissioning. Connection of all utilities will be done by supplier as per the utilities plan.
- M.K.E.C should confirm that all equipment quoted will carry manufactures warranty of 12 months from the date of commissioning and handing over.

6.4. **TERMS OF PAYMENT:** The payment of equipment will be made after successfully installation, testing and commissioning handing over of the equipment's

### 6.5 LIQUIDATED DAMAGES:

- Quantum ½ (half) percent of contract value for every week on part there of delay after the schedule date of completion of work. The C.R.C shall study all the drawings and specifications and shall clearly indicate any change or deviation in his bid from those given in the drawings and specifications, so that they can be taken in to consideration at the time making comparison of prices.

- Total amount of recovery 5% of contract value.
- The M.K.E.C. shall study all the drawings and specifications and shall clearly indicate any change or deviation in his bid from those given in the drawings and specifications, so that they can be taken into consideration at the time of making comparison of price.
- For any deviations in the M.K.E.C. and Model nos. the M.K.E.C indicate the compatibility of the production capacity, thermal rating of insulation, consumption of utilities i.e. electricity water, steam etc. and the power rating of the motor, pumps, heaters, burners etc.
- M.K.E.C. shall submit two (2) sets of catalogue cut in original of all equipment quoted. The item no. and quantity shall be clearly indicated on top right side of the catalogue. Accessories and optional equipment include in the price shall be clearly indicated in red.
- M.K.E.C. shall submit a list of factory recommendation spare parts for one (1) year satisfactory operation along with prices with the quotation.
- M.K.E.C. shall be required to submit two copies of catalogue cut and installation drawings of all equipment in order to obtain owners approval prior to shipment of goods.
- M.K.E.C. is required to fill up the time frame schedule as indicated below:

**6.6 DESCRIPTION:**

1. Approval of catalogues and by client.
  2. Manufacture and delivery to part of shipment.
  3. Transportation.
  4. Custom clearance.
  5. Installation of equipment including Hook- Up.
  6. Testing and Commissioning.
  7. Handing Over.
- Successful M.K.E.C. will be required to submit fabrication drawings with detail to scale not less than 1:25 for any custom built equipment ordered for owner's review and approval prior to manufacture. Drawings should show details of construction and materials to be used and indicate the requirements of plinths depressions, drains etc. required to be provided by others.
  - M.K.E.C. will be required to submit samples of materials and components in order to satisfy the owner in advance of the standards and quality of work man ship, i.e. handles section of panels, interlocking arrangements of panels, hinges and other such hardware shall be submitted for approval along with the drawings.

- M.K.E.C is required to verify all dimensions form site of all equipment ordered with him and of other equipment that may have impact on his equipment being procured from elsewhere.
- All items shall suit space conditions all dimensions given are approximately only and in all cases, where equipment is intended to occupy fixed locations and spaces, the physical condition of the building are to control and absolute sizes.
- M.K.E.C. shall furnish all necessary information and measurement of the job site. This information shall be secure by others at the site of installation.
- M.K.E.C. shall be required to liaise with project manager regarding accessibility of his equipment and to the site of location and make necessary arrangement for their access.
- The M.K.E.C. shall provide all necessary holes and / or opening in the equivalent, which may be required for the proper installation of the plumbing, electrical, ventilating and refrigeration connections.
- M.K.E.C. shall submit a program of manufacture, delivery and installation and the likely date for inspections with in (2) weeks of placing orders.
- M.K.E.C. will be required to show the equipment to the owner's representative during fabrication i.e. prior to assembly and before dispatch.
- M.K.E.C. or his agents shall be responsible for the installation of his equipment and to get the utility connections under their supervisions by the worker's deputed by the project manager and to ensure the satisfactory operation / functioning of all their equipment.
- Final inspection of all equipment shall be carried out at the site by the owner's representative after installation has been completed and the equipment has been hooked up to systems and draw backs/ deficiencies if any, during that time shall be attended to by the M.K.E.C.
- All equipment's and part will be covered by a warranty for a period of one year from the date the equipment is commissioned, M.K.E.C shall be required to promptly to attend to all requests for repairs and replacement of equipment supplied by him during the warranty period.
- Drawing indicating the equipment layout and utilities as installed.

#### **6.7 Submissions along with Quotation:**

- Soft and hard copy of the catalogues of the equipment's quoted.
- .Soft copy of the technical Data sheet.
- Any deviation in specification from the tender need to be brought to our notice at the time of submission of quotation.
- Quotation will not be considered if any of the above is not submitted along with quotations.

## 7.0 List & specification of equipment's

<b>7.1:- Fabricated kitchen Equipment's</b>			
<b>S No.</b>	<b>Drawing No.</b>	<b>Particulars</b>	<b>Dimensions</b>
		<b>Dishwashing Area</b>	
<b>1</b>	<b>DW - 01</b>	<b>Dirty Dish Landing Table with Top Shelf</b>	<b>1500x700x850</b>
	<b>Top</b>	16swg SS sheet duly mounted on the base frame with SS studs. 100 mm deep trough type construction 38 mm down & 6mm in turn in front & side only. All bends to be rounded & smooth.	
	<b>Over Head Shelf</b>	450mm Overhead shelf to be provided.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Cross Bracing</b>	25 MM Square 16 swg SS pipe three sides cross bracing front sides open from the washer side	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
	<b>Accessories</b>	Drain pipe after drain waste to lead to floor trap.	
<b>2</b>	<b>DW - 02</b>	<b>Two Sink Unit</b>	<b>1200X600X850</b>
	<b>Top</b>	12mm raised marine edges turned out 12mm @ 45 deg., Down 45mm & in 6mm turn on front & both sides. Vertical & Horizontal corner coved. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash	

		to be covered with 20swg thick SS sheet.	
	<b>Sink</b>	16swg SS sheet sink duly welded with top. 38mm dia chrome plated drain waste fitted on center of sink.	
	<b>Sink size</b>	500mm (L) x 500mm (D) x 300mm (H) x 2nos	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	1 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted "U" shape) channel or SS angle frame underneath with 50 mm dia hole under sink drain.	
	<b>NOTE:</b>	Pre Rinse Sink Table when placed next to Hood type machine has to have a lip which would fit in the Hood Type Dishwasher opening to allow for smooth sliding in of dish racks	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>3</b>	<b>DW - 04</b>	<b>Exhaust Hood - Vapour Only</b>	<b>900x900x550</b>
		Material of construction SS 304 - 1 mm thick	
		SMACNA Compliant Construction	
		Seamless welded finish for watertight construction	
		No sharp edges and well ground surface for safety	
		No hardware visible inside the hood	
		Heavy duty SS angles to join Hood pieces	
<b>4</b>	<b>DW - 05</b>	<b>Clean Dish Table</b>	<b>1200x600x850</b>
	<b>Top</b>	16swg SS sheet duly mounted on the base frame with SS studs. 38 mm down & 6mm in turn in front & side only. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash	



		to be covered with 20swg thick SS sheet.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	1 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted "U" shape) channel or SS angle frame underneath with 50 mm dia hole under sink drain.	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>5</b>	<b>DW - 05a</b>	<b>Wall Shelf</b>	<b>600x300</b>
	<b>Wall Shelf</b>	The shelf shall be 300mm wide and shall have all sides turned down 38mm. and in 12mm. with resultant ends closed, welded and polished smooth. Underside of the shelf shall be reinforced with stainless steel inverted channels.	
<b>6</b>	<b>DW - 06</b>	<b>Clean Dish Rack</b>	<b>1200X600X1800</b>
	<b>No Of Shelves</b>	5 Nos.	
	<b>Shelve</b>	Each shelf shall be duly perforated and shall be constructed in 18swg SS Shelves shall be turned down 25mm & 5mm in on all sides. All bends to be rounded & smooth sheet duly	
	<b>Upright's</b>	mounted on 4 Nos. 14swg thick SS angle of size 40x40 with the	
	<b>Consruction details</b>	Corner Brackets will be used with SS nuts & bolts. No welding shall be allowed.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>7</b>	<b>DW - 07</b>	<b>Clean Dish Rack</b>	<b>900X600X1800</b>
	<b>No Of Shelves</b>	5 Nos.	
	<b>Shelve</b>	Each shelf shall be duly perforated and shall be constructed in 18swg SS Shelves shall be turned down 25mm & 5mm in on all sides. All	

		bends to be rounded & smooth sheet duly	
	<b>Upright's</b>	mounted on 4 Nos. 14swg thick SS angle of size 40x40 with the	
	<b>Consruction details</b>	Corner Brackets will be used with SS nuts & bolts. No welding shall be allowed.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>8</b>	<b>DW - 08</b>	<b>Two Sink Pot Wash Unit</b>	<b>1800x750x850</b>
	<b>Top</b>	12mm raised marine edges turned out 12mm @ 45 deg., Down 45mm & in 6mm turn on front & both sides. Vertical & Horizontal corner coved. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Sink</b>	16swg SS sheet sink duly welded with top. 38mm dia crome plated drain waste fitted on center of sink.	
	<b>Sink size</b>	750mm (L) x 600mm (D) x 300mm (H)	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	1 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted "U" shape) channel or SS angle frame underneath with 50 mm dia hole under sink drain.	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
	<b>Accessories</b>	Flexible drain pipe after drain waste to lead to floor trap.	
<b>9</b>	<b>DW - 09</b>	<b>Floor Drain Grate</b>	<b>600x300</b>
	<b>Grate Size</b>	600X300	
	<b>Overall Size</b>	645X345	
	<b>Grate</b>	25mmX5mm thick outer Bearing Bar at 25mm apart; 25mmX4mm thick Lateral Bar Welded to	

		Outer Bearing Bar at 75mm C/C	
	<b>Collection Basket.</b>	75mm Dia perforated removable basket.	
	<b>Trough</b>	16 Gauge 304 SS trough. SS Fish Strip welded to SS Trough. With 95mm Dia waste and 75mm length.	
		<b>Pre-Preparation Area</b>	
<b>10</b>	<b>PR - 01</b>	<b>Plain Work Table with Sink</b>	<b>1500x600x850</b>
	<b>Top</b>	12mm raised marine edges turned out 12mm @ 45 deg., Down 45mm & in 6mm turn on front & both sides. Vertical & Horizontal corner coved. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Sink</b>	16swg SS sheet sink duly welded with top. 38mm dia chrome plated drain waste fitted on center of sink.	
	<b>Sink size</b>	500mm (L) x 500mm (D) x 300mm (H)	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>11</b>	<b>PR - 01a</b>	<b>Wall Shelf</b>	<b>900x300</b>
	<b>Wall Shelf</b>	The shelf shall be 300mm wide and shall have all sides turned down 38mm. and in 12mm. with resultant ends closed, welded and polished smooth. Underside of the shelf shall be reinforced with stainless steel inverted channels.	
<b>12</b>	<b>PR - 02</b>	<b>Plain Work Tables with Two Undershelved</b>	<b>1400x600x850</b>

	<b>Top</b>	16swg SS sheet duly mounted on the base frame with SS studs. 38 mm down & 6mm in turn in front & side only. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	2 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted “U” shape) channel or SS angle frame underneath	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>13</b>	<b>PR - 02a</b>	<b>Wall Shelf</b>	<b>1400x300</b>
	<b>Wall Shelf</b>	The shelf shall be 300mm wide and shall have all sides turned down 38mm. and in 12mm. with resultant ends closed, welded and polished smooth. Underside of the shelf shall be reinforced with stainless steel inverted channels.	
<b>14</b>	<b>PR - 04</b>	<b>Plain Work Tables with Two Undershelved</b>	<b>1000x600x850</b>
	<b>Top</b>	16swg SS sheet duly mounted on the base frame with SS studs. 38 mm down & 6mm in turn in front & side only. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound	

		deadening.	
	<b>Under shelf</b>	2 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted “U” shape) channel or SS angle frame underneath	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>15</b>	<b>PR - 06</b>	<b>Two Sink Unit</b>	<b>1200X600X850</b>
	<b>Top</b>	12mm raised marine edges turned out 12mm @ 45 deg., Down 45mm & in 6mm turn on front & both sides. Vertical & Horizontal corner coved. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Sink</b>	16swg SS sheet sink duly welded with top. 38mm dia chrome plated drain waste fitted on center of sink.	
	<b>Sink size</b>	500mm (L) x 500mm (D) x 300mm (H) x 2nos	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	1 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted “U” shape) channel or SS angle frame underneath with 50 mm dia hole under sink drain.	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
	<b>Accessories</b>	Drain pipe after drain waste to lead to floor trap.	
<b>16</b>	<b>PR - 07</b>	<b>Storage Racks</b>	<b>900X600X1800</b>
	<b>No Of Shelves</b>	5 Nos.	

	<b>Shelf</b>	Each shelf shall be constructed in 18swg SS Shelves shall be turned down 25mm & 5mm in on all sides. All bends to be rounded & smooth sheet duly	
	<b>Uprights</b>	mounted on 4 Nos. 14swg thick SS angle of size 40x40 with the	
	<b>Consruction details</b>	Corner Brackets will be used with SS nuts & bolts. No welding shall be allowed.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>17</b>	<b>PR - 08</b>	<b>Mobile Table with Two Underselves</b>	<b>1200x600x850</b>
	<b>Top</b>	12mm raised marine edges turned out 12mm @ 45 deg., Down 45mm & in 6mm turn on front & both sides. Vertical & Horizontal corner coved. All bends to be rounded & smooth.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	2 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted "U" shape) channel or SS angle frame underneath	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Castors</b>	Heavy duty castors of 150mm Dia , 2 nos Fixed with brake & 2 nos swivel type	
<b>18</b>	<b>PR - 12</b>	<b>Storage Racks</b>	<b>1200X600X1800</b>
	<b>No Of Shelves</b>	5 Nos.	
	<b>Shelve</b>	Each shelf shall be duly perforated and shall be constructed in 18swg SS Shelves shall be turned down 25mm & 5mm in on all sides. All bends to be rounded & smooth sheet duly	
	<b>Upright's</b>	mounted on 4 Nos. 14swg thick SS angle of size 40x40 with the	
	<b>Consruction details</b>	Corner Brackets will be used with SS nuts & bolts. No welding shall be allowed.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	

<b>19</b>	<b>PR - 14</b>	<b>Storage Racks</b>	<b>900X600X1800</b>
	<b>No Of Shelves</b>	5 Nos.	
	<b>Shelve</b>	Each shelf shall be duly perforated and shall be constructed in 18swg SS Shelves shall be turned down 25mm & 5mm in on all sides. All bends to be rounded & smooth sheet duly	
	<b>Upright's</b>	mounted on 4 Nos. 14swg thick SS angle of size 40x40 with the	
	<b>Consruction details</b>	Corner Brackets will be used with SS nuts & bolts. No welding shall be allowed.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>20</b>	<b>PR - 16</b>	<b>Floor Drain Grate</b>	<b>300x300</b>
	<b>Grate Size</b>	300X300	
	<b>Overall Size</b>	345X345	
	<b>Grate</b>	25mmX5mm thick outer Bearing Bar at 25mm apart; 25mmX4mm thick Lateral Bar Welded to Outer Bearing Bar at 75mm C/C	
	<b>Collection Basket.</b>	75mm Dia perforated removable basket.	
	<b>Trough</b>	16 Guage 304 SS trough. SS Fish Strip welded to SS Trough. With 95mm Dia waste and 75mm length.	
<b>21</b>	<b>PR - 17</b>	<b>Floor Drain Grate</b>	<b>600x300</b>
	<b>Grate Size</b>	600X300	
	<b>Overall Size</b>	645X345	
	<b>Grate</b>	25mmX5mm thick outer Bearing Bar at 25mm apart; 25mmX4mm thick Lateral Bar Welded to Outer Bearing Bar at 75mm C/C	
	<b>Collection Basket.</b>	75mm Dia perforated removable basket.	
	<b>Trough</b>	16 Guage 304 SS trough. SS Fish Strip welded to SS Trough. With 95mm Dia waste and 75mm length.	
		<b>Main Cooking</b>	
<b>22</b>	<b>MC - 03</b>	<b>Exhaust Hood</b>	<b>2200x1100x550</b>

<b>23</b>	<b>MC - 04</b>	<b>Plain Work Tables with Two Undershelved with Granite Top</b>	<b>1050x600x850</b>
	<b>Top</b>	16swg SS sheet duly mounted on the base frame with SS studs. 38 mm down & 6mm in turn in front & side only. All bends to be rounded & smooth. 15mm Thick Granite Stone of suitable colour	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	2 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted “U” shape) channel or SS angle frame underneath	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>24</b>	<b>MC - 05</b>	<b>Plain Work Table with Sink</b>	<b>900x600x850</b>
	<b>Top</b>	12mm raised marine edges turned out 12mm @ 45 deg., Down 45mm & in 6mm turn on front & both sides. Vertical & Horizontal corner coved. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Sink</b>	16swg SS sheet sink duly welded with top. 38mm dia chrome plated drain waste fitted on center of sink.	
	<b>Sink size</b>	500mm (L) x 500mm (D) x 300mm (H)	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of	



		Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>25</b>	<b>MC - 07</b>	<b>Hot Plate (Parantha Tawa)</b>	<b>950x600x850</b>
	<b>Top</b>	15mm SS plate.450mm x 850mm with scum gutter in SS of 450mm (L)50mm (W) 40mm (D) and SS Flue gas escape grating of1050mm (L)50mm (W) at the rear .Even spacing of 25mm all around SS plate to avoid burns .protrude 50mm towards front, 45mm down & 6mm in turn on front and flushed towards sides. All bends to be rounded & smooth.	
	<b>Burner</b>	: 2 nos. - HP “RV” type burners at 17650 kcal/hr with individual HP pilot. Each burner with individual red & black valve and copper pigtail.	
	<b>Framework</b>	38x38x 5mm thick MS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Sides / Back</b>	20swg SS sheet paneling.	
	<b>Under shelf</b>	1 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted “U” shape) channel or SS angle frame underneath	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>26</b>	<b>MC - 08</b>	<b>Exhaust Hood</b>	<b>2050x800x550</b>
<b>27</b>	<b>MC - 09</b>	<b>Single Sink Unit</b>	<b>600x600x850</b>

	<b>Top</b>	12mm raised marine edges turned out 12mm @ 45 deg., Down 45mm & in 6mm turn on front & both sides. Vertical & Horizontal corner coved. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Sink</b>	16swg SS sheet sink duly welded with top. 38mm dia chrome plated drain waste fitted on center of sink.	
	<b>Sink size</b>	500mm (L) x 500mm (D) x 300mm (H) x 1nos	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
	<b>Accessories</b>	Drain pipe after drain waste to lead to floor trap.	
<b>28</b>	<b>MC - 10</b>	<b>Two Burner Range</b>	<b>1200x600x850</b>
	<b>Top</b>	14swg SS sheet duly mounted on the base frame with SS studs. Top having cutout to rest the pan support. Top protrude 50mm towards front, 45mm down & 6mm in turn on front and lushed towards sides & rear only if no back splash is provided. All bends to be rounded & smooth.	
	<b>Pan Support</b>	450x450mm, cast iron removable heavy duty.	
	<b>Burner</b>	1 no. G-3 at 26100 kcal/Hr burner with individual pilot burner. HP & LP burners fed through separate manifolds. Each burner with individual red & black control valve and copper pigtail.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint.	

	<b>Front</b>	18swg SS sheet front paneling.	
	<b>Sides / Back</b>	20swg SS sheet paneling.	
	<b>Drip Tray</b>	GI drip trays with SS handle shall be provided in the unit for each burner.	
	<b>Cross Brace</b>	25 mm square SS pipe cross bracing support on four sides duly welded with uprights.	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>29</b>	<b>MC - 11</b>	<b>Exhaust Hood</b>	<b>1700x800x550</b>
<b>30</b>	<b>MC - 12</b>	<b>Plain Work Tables with Two Undershelved</b>	<b>1200x600x850</b>
	<b>Top</b>	16swg SS sheet duly mounted on the base frame with SS studs. 38 mm down & 6mm in turn in front & side only. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	2 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted “U” shape) channel or SS angle frame underneath	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>31</b>	<b>MC - 13</b>	<b>Two Burner Range</b>	<b>1200x600x850</b>

	<b>Top</b>	14swg SS sheet duly mounted on the base frame with SS studs. Top having cutout to rest the pan support. Top protrude 50mm towards front, 45mm down & 6mm in turn on front and lushed towards sides & rear only if no back splash is provided. All bends to be rounded & smooth.	
	<b>Pan Support</b>	450x450mm, cast iron removable heavy duty.	
	<b>Burner</b>	1 no. G-3 at 26100 kcal/Hr burner with individual pilot burner. HP & LP burners fed through separate manifolds. Each burner with individual red & black control valve and copper pigtail.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint.	
	<b>Front</b>	18swg SS sheet front paneling.	
	<b>Sides / Back</b>	20swg SS sheet paneling.	
	<b>Drip Tray</b>	GI drip trays with SS handle shall be provided in the unit for each burner.	
	<b>Cross Brace</b>	25 mm square SS pipe cross bracing support on four sides duly welded with uprights.	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>32</b>	<b>MC - 14</b>	<b>Exhaust Hood</b>	<b>1700x800x550</b>
<b>33</b>	<b>MC - 15</b>	<b>Single Sink Unit</b>	<b>600x600x850</b>
	<b>Top</b>	12mm raised marine edges turned out 12mm @ 45 deg., Down 45mm & in 6mm turn on front & both sides. Vertical & Horizontal corner coved. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash	

		to be covered with 20swg thick SS sheet.	
	<b>Sink</b>	16swg SS sheet sink duly welded with top. 38mm dia chrome plated drain waste fitted on center of sink.	
	<b>Sink size</b>	500mm (L) x 500mm (D) x 300mm (H) x 1nos	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
	<b>Accessories</b>	Drain pipe after drain waste to lead to floor trap.	
<b>34</b>	<b>MC - 16</b>	<b>Two Burner Range</b>	<b>1200x600x850</b>
	<b>Top</b>	14swg SS sheet duly mounted on the base frame with SS studs. Top having cutout to rest the pan support. Top protrude 50mm towards front, 45mm down & 6mm in turn on front and lushed towards sides & rear only if no back splash is provided. All bends to be rounded & smooth.	
	<b>Pan Support</b>	450x450mm, cast iron removable heavy duty.	
	<b>Burner</b>	1 no. G-3 at 26100 kcal/Hr burner with individual pilot burner. HP & LP burners fed through separate manifolds. Each burner with individual red & black control valve and copper pigtail.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint.	
	<b>Front</b>	18swg SS sheet front paneling.	
	<b>Sides / Back</b>	20swg SS sheet paneling.	
	<b>Drip Tray</b>	GI drip trays with SS handle shall be provided in the unit for each burner.	
	<b>Cross Brace</b>	25 mm square SS pipe cross bracing support on four sides duly welded with uprights.	

	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>35</b>	<b>MC - 17</b>	<b>Exhaust Hood</b>	<b>1700x800x550</b>
<b>36</b>	<b>MC - 19</b>	<b>Plain Work Tables with Two Undershelved</b>	<b>450x1200x850</b>
	<b>Top</b>	16swg SS sheet duly mounted on the base frame with SS studs. 38 mm down & 6mm in turn in front & side only. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	2 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted “U” shape) channel or SS angle frame underneath	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights. Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>37</b>	<b>MC - 20</b>	<b>Chapati Plate with Puffer</b>	<b>1200x600x550</b>
<b>38</b>	<b>MC - 21</b>	<b>Exhaust Hood</b>	<b>1600x800x550</b>

<b>39</b>	<b>MC - 22</b>	<b>Exhaust Hood</b>	<b>1600x800x550</b>
<b>40</b>	<b>MC - 23</b>	<b>Plain Work Tables with Two Undershelved</b>	<b>900x600x850</b>
	<b>Top</b>	16swg SS sheet duly mounted on the base frame with SS studs. 38 mm down & 6mm in turn in front & side only. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	2 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted “U” shape) channel or SS angle frame underneath	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>41</b>	<b>MC - 26</b>	<b>Plain Work Tables with Two Undershelved with Two Overhead Shelves</b>	<b>1500x700x850</b>
	<b>Top</b>	16swg SS sheet duly mounted on the base frame with SS studs. 38 mm down & 6mm in turn in front & side only. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	

	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Under shelf</b>	2 no. - made of 18swg SS sheet, strengthened with 25x100x25mm (inverted “U” shape) channel or SS angle frame underneath	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
	<b>Overhead Shelves</b>		
<b>42</b>	<b>MC - 29</b>	<b>Plain Work Table with Sink</b>	<b>1200x700x850</b>
	<b>Top</b>	12mm raised marine edges turned out 12mm @ 45 deg., Down 45mm & in 6mm turn on front & both sides. Vertical & Horizontal corner covered. All bends to be rounded & smooth.	
	<b>Back splash</b>	Rear - 150mm height, turned up 25mm at 60° towards the back & 12mm down at 90° with rounded junction for easy cleaning. Back splash to be covered with 20swg thick SS sheet.	
	<b>Sink</b>	16swg SS sheet sink duly welded with top. 38mm dia chrome plated drain waste fitted on center of sink.	
	<b>Sink size</b>	500mm (L) x 500mm (D) x 300mm (H)	
	<b>Framework</b>	38x38x 5mm thick SS angle, with two coats of red oxide primer and finished with two coats of Silver paint. Rubber gasket to be inserted between SS sheet & framework for sound deadening.	
	<b>Uprights</b>	4 nos. 38mm square 16swg thick SS pipe uprights.Rear uprights 75mm away (clear distance) from the wall.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>43</b>	<b>MC - 30</b>	<b>Storage Racks</b>	<b>1200X600X1800</b>
	<b>No Of Shelves</b>	5 Nos.	



	<b>Shelf</b>	Each shelf shall be constructed in 18swg SS Shelves shall be turned down 25mm & 5mm in on all sides. All bends to be rounded & smooth sheet duly	
	<b>Uprights</b>	mounted on 4 Nos. 14swg thick SS angle of size 40x40 with the	
	<b>Consruction details</b>	Corner Brackets will be used with SS nuts & bolts. No welding shall be allowed.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>44</b>	<b>MC - 33</b>	<b>Floor Drain Grate</b>	<b>300x300</b>
	<b>Grate Size</b>	300X300	
	<b>Overall Size</b>	345X345	
	<b>Grate</b>	25mmX5mm thick outer Bearing Bar at 25mm apart; 25mmX4mm thick Lateral Bar Welded to Outer Bearing Bar at 75mm C/C	
	<b>Collection Basket.</b>	75mm Dia perforated removable basket.	
	<b>Trough</b>	16 Guage 304 SS trough. SS Fish Strip welded to SS Trough. With 95mm Dia waste and 75mm length.	
		<b>Storage Area</b>	
<b>45</b>	<b>ST - 02</b>	<b>Onion &amp; Potato Bin</b>	<b>600x600x850</b>
		Front, rear & both side 6mm Wire Mesh Rod	
		S.S. Angle Frame Work 38x38x3 mm	
		SS 304 Top Opening Hinges Door drop in handle on top	
		4 nos legs SS 304 square pipe 38x38mm with SS Bullet Feet	
		8"x8" Top sliding front onion exit door	
<b>46</b>	<b>ST - 03</b>	<b>Storage Racks</b>	<b>1200X600X1800</b>
	<b>No Of Shelves</b>	5 Nos.	
	<b>Shelf</b>	Each shelf shall be constructed in 18swg SS Shelves shall be turned down 25mm & 5mm in on all sides. All bends to be rounded & smooth sheet duly	
	<b>Uprights</b>	mounted on 4 Nos. 14swg thick SS angle of size 40x40 with the	

	<b>Consruction details</b>	Corner Brackets will be used with SS nuts & bolts. No welding shall be allowed.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>47</b>	<b>ST - 04</b>	<b>Storage Racks</b>	<b>900X600X1800</b>
	<b>No Of Shelves</b>	5 Nos.	
	<b>Shelf</b>	Each shelf shall be constructed in 18swg SS Shelves shall be turned down 25mm & 5mm in on all sides. All bends to be rounded & smooth sheet duly	
	<b>Uprights</b>	mounted on 4 Nos. 14swg thick SS angle of size 40x40 with the	
	<b>Consruction details</b>	Corner Brackets will be used with SS nuts & bolts. No welding shall be allowed.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	
<b>48</b>	<b>ST - 05</b>	<b>Storage Racks</b>	<b>900X450X1800</b>
	<b>No Of Shelves</b>	5 Nos.	
	<b>Shelf</b>	Each shelf shall be constructed in 18swg SS Shelves shall be turned down 25mm & 5mm in on all sides. All bends to be rounded & smooth sheet duly	
	<b>Uprights</b>	mounted on 4 Nos. 14swg thick SS angle of size 40x40 with the	
	<b>Consruction details</b>	Corner Brackets will be used with SS nuts & bolts. No welding shall be allowed.	
	<b>Bullet feet</b>	SS adjustable bullet feet.	



<b>7.2:-Bought out kitchen Equipment's</b>				
<b>S No.</b>	<b>Drawing No.</b>	<b>Particulars</b>	<b>Dimensions (mm)</b>	
<b>1</b>	<b>DW - 02a</b>	<b>Pre Rinse Unit</b>	<b>250x330x876</b>	
	<b>Make</b>	<b>T &amp; S Brass</b>		
	<b>Model</b>	<b>B - 0113 B</b>		
	<b>Alternative Make</b>	<b>Na</b>		
	<b>Capacity</b>	<b>Na</b>		
		<b>Electricity</b>		
	<b>Power</b>	<b>NA</b>		
	<b>Votage</b>	<b>NA</b>		
		<b>Water Requirement</b>		
	<b>Cold</b>	<b>1/2"</b>		
	<b>Hot</b>	<b>1/2"</b>		
	<b>Waste</b>	<b>NA</b>		
<b>2</b>	<b>DW - 03</b>	<b>Dishwasher Hood Type</b>		<b>635x750x1480</b>
	<b>Make</b>	<b>Winterhaulter</b>		
	<b>Model</b>	<b>P 50</b>		
	<b>Alternative Make</b>	<b>Electrolux/Meiko</b>		
	<b>Capacity</b>	<b>60 Racks/Hr</b>		
		<b>Electricity</b>		
	<b>Power</b>	<b>16 KW</b>		
	<b>Votage</b>	<b>440-50-3Ph</b>		
		<b>Water Requirement</b>		
	<b>Cold</b>	<b>3/4"</b>		
	<b>Hot</b>	<b>Na</b>		
	<b>Waste</b>	<b>2"</b>		

<b>3</b>	<b>DW - 08a</b>	<b>Pre Rinse Unit</b>	<b>250x330x876</b>
	<b>Make</b>	<b>T &amp; S Brass</b>	
	<b>Model</b>	<b>B - 0113 B</b>	
	<b>Alternative Make</b>	<b>Na</b>	
	<b>Capacity</b>	<b>Na</b>	
		<b>Electricity</b>	
	<b>Power</b>	<b>NA</b>	
	<b>Votage</b>	<b>NA</b>	
		<b>Water Requirement</b>	
	<b>Cold</b>	<b>1/2"</b>	
	<b>Hot</b>	<b>1/2"</b>	
	<b>Waste</b>	<b>NA</b>	
<b>4</b>	<b>DW - 10</b>	<b>Hose Reel</b>	
	<b>Make</b>	<b>T &amp; S Brass</b>	
	<b>Model</b>	<b>5-HR-242-01</b>	
	<b>Alternative Make</b>	<b>Na</b>	
	<b>Capacity</b>	<b>15 Mts</b>	
		<b>Electricity</b>	
	<b>Power</b>	<b>NA</b>	
	<b>Votage</b>	<b>NA</b>	
		<b>Water Requirement</b>	
	<b>Cold</b>	<b>3/4"</b>	
	<b>Hot</b>	<b>Na</b>	
	<b>Waste</b>	<b>NA</b>	
	<b>Accessories</b>	<b>With Collapsable Bracket</b>	
<b>5</b>	<b>PR - 03</b>	<b>Food Blender</b>	<b>230x300x550</b>
	<b>Make</b>	<b>Hamilton Beech</b>	
	<b>Model</b>		
	<b>Alternative Make</b>	<b>Vitamix/Santos</b>	
	<b>Capacity</b>		
		<b>Electricity</b>	
	<b>Power</b>	<b>1.5 Kw</b>	
	<b>Votage</b>	<b>230/50/1Ph</b>	
		<b>Water Requirement</b>	
	<b>Cold</b>	<b>NA</b>	
	<b>Hot</b>	<b>Na</b>	


	<b>Waste</b>	NA		
<b>6</b>	<b>PR - 05</b>	<b>Vegetable Cutting Machine</b>	<b>300x380x330</b>	
	<b>Make</b>	<b>Robot Coupe</b>		
	<b>Model</b>	<b>CL - 50</b>		
	<b>Alternative Make</b>	<b>Hobart/Electrolux</b>		
	<b>Capacity</b>			
		<b>Electricity</b>		
	<b>Power</b>	2.0 Kw		
	<b>Votage</b>	230/50/1Ph		
		<b>Water Requirement</b>		
	<b>Cold</b>	NA		
	<b>Hot</b>	Na		
	<b>Waste</b>	NA		
<b>7</b>	<b>PR - 06a</b>	<b>Pre Rinse Unit</b>		<b>250x330x876</b>
	<b>Make</b>	<b>T &amp; S Brass</b>		
	<b>Model</b>	<b>B - 0113 B</b>		
	<b>Alternative Make</b>	Na		
	<b>Capacity</b>	Na		
		<b>Electricity</b>		
	<b>Power</b>	NA		
	<b>Votage</b>	NA		
		<b>Water Requirement</b>		
	<b>Cold</b>	1/2"		
	<b>Hot</b>	1/2"		
	<b>Waste</b>	NA		
<b>8</b>	<b>PR - 09</b>	<b>Pulverizer</b>	<b>300x380x330</b>	
	<b>Make</b>	<b>Cosmos</b>		
	<b>Model</b>	<b>1.5 HP</b>		
	<b>Alternative Make</b>	<b>Laxmi/Maxel</b>		
	<b>Capacity</b>			
		<b>Electricity</b>		
	<b>Power</b>	2.4 Kw		
	<b>Votage</b>	230/50/1Ph		
		<b>Water Requirement</b>		
	<b>Cold</b>	NA		



	<b>Hot</b>	Na	
	<b>Waste</b>	NA	
<b>9</b>	<b>PR - 10</b>	<b>Wet Grinder</b>	<b>300x380x330</b>
	<b>Make</b>	<b>Cosmos</b>	
	<b>Model</b>	<b>1.5 HP</b>	
	<b>Alternative Make</b>	<b>Laxmi/Maxel</b>	
	<b>Capacity</b>		
		<b>Electricity</b>	
	<b>Power</b>	2.4 Kw	
	<b>Voltage</b>	230/50/1Ph	
		<b>Water Requirement</b>	
	<b>Cold</b>	NA	
	<b>Hot</b>	Na	
	<b>Waste</b>	NA	
<b>10</b>	<b>PR - 11</b>	<b>Potato Peeler</b>	
	<b>Make</b>	<b>Sirman</b>	
	<b>Model</b>	<b>PPJ 10</b>	
	<b>Alternative Make</b>	<b>Sammic/Electrolux</b>	
	<b>Capacity</b>		
		<b>Electricity</b>	
	<b>Power</b>	2.0 Kw	
	<b>Voltage</b>	230/50/1Ph	
		<b>Water Requirement</b>	
	<b>Cold</b>	NA	
	<b>Hot</b>	Na	
	<b>Waste</b>	NA	
<b>11</b>	<b>PR - 15</b>	<b>Knife Sanitizer</b>	
	<b>Make</b>	<b>Sirman</b>	
	<b>Model</b>	<b>UV NAPOLI 16W</b>	
	<b>Alternative Make</b>	<b>Waring/Sofinor</b>	
	<b>Capacity</b>		
		<b>Electricity</b>	
	<b>Power</b>	16W	
	<b>Voltage</b>	230/50/1Ph	
		<b>Water Requirement</b>	
	<b>Cold</b>	NA	

	<b>Hot</b>	Na		
	<b>Waste</b>	NA		
<b>12</b>	<b>MC - 01</b>	<b>Undercounter Refrigerator</b>	<b>1500x700x850</b>	
	<b>Make</b>	<b>Elanpro</b>		
	<b>Model</b>	<b>2 Drawers &amp; 1 Door</b>		
	<b>Alternative Make</b>	<b>Trufrost/Celfrost</b>		
	<b>Capacity</b>			
		<b>Electricity</b>		
	<b>Power</b>	750W		
	<b>Votage</b>	230/50/1Ph		
		<b>Water Requirement</b>		
	<b>Cold</b>	NA		
	<b>Hot</b>	Na		
	<b>Waste</b>	NA		
<b>13</b>	<b>MC - 02</b>	<b>Tandoor</b>		<b>900x900x850</b>
	<b>Make</b>	<b>Durgadas</b>		
	<b>Model</b>			
	<b>Alternative Make</b>	<b>Kanaiyalal/Munnial</b>		
	<b>Capacity</b>			
		<b>Gas</b>		
	<b>BTU</b>	70,000		
	<b>Gas Pipe</b>	50mm		
		<b>Water Requirement</b>		
	<b>Cold</b>	NA		
	<b>Hot</b>	Na		
	<b>Waste</b>	NA		
<b>14</b>	<b>MC - 06</b>	<b>Fryer - Gas Operated</b>	<b>400x750x1150</b>	
	<b>Make</b>	<b>Frymaster</b>		
	<b>Model</b>			
	<b>Alternative Make</b>	<b>Dean/manitowoc</b>		
	<b>Capacity</b>			
		<b>Gas</b>		
	<b>BTU</b>	100,000		
	<b>Gas Pipe</b>	3/4"		
		<b>Water Requirement</b>		

	<b>Cold</b>	NA		
	<b>Hot</b>	Na		
	<b>Waste</b>	NA		
<b>15</b>	<b>MC - 18</b>	<b>Undercounter Refrigerator</b>	<b>1500x700x850</b>	
	<b>Make</b>	<b>Elanpro</b>		
	<b>Model</b>	<b>3 Drawers &amp; 1 Door</b>		
	<b>Alternative Make</b>	<b>Trufrost/Celfrost</b>		
	<b>Capacity</b>			
		<b>Electricity</b>		
	<b>Power</b>	750W		
	<b>Votage</b>	230/50/1Ph		
		<b>Water Requirement</b>		
	<b>Cold</b>	NA		
	<b>Hot</b>	Na		
	<b>Waste</b>	NA		
<b>16</b>	<b>MC - 24</b>	<b>Undercounter Refrigerator</b>		<b>1800x700x850</b>
	<b>Make</b>	<b>Elanpro</b>		
	<b>Model</b>	<b>3 Drawers, 2 Drawers &amp; 1 Door</b>		
	<b>Alternative Make</b>	<b>Trufrost/Celfrost</b>		
	<b>Capacity</b>			
		<b>Electricity</b>		
	<b>Power</b>	750W		
	<b>Votage</b>	230/50/1Ph		
		<b>Water Requirement</b>		
	<b>Cold</b>	NA		
	<b>Hot</b>	Na		
	<b>Waste</b>	NA		



<b>17</b>	<b>MC - 25</b>	<b>Undercounter Refrigerator with 2 Overhead Shelves</b>	<b>1800x700x850</b>	
	<b>Make</b>	<b>Elanpro</b>		
	<b>Model</b>	<b>3 Drawers, 2 Drawers &amp; 1 Door</b>		
	<b>Alternative Make</b>	<b>Trufrost/Celfrost</b>		
	<b>Capacity</b>			
		<b>Electricity</b>		
	<b>Power</b>	750W		
	<b>Votage</b>	230/50/1Ph		
		<b>Water Requirement</b>		
	<b>Cold</b>	NA		
	<b>Hot</b>	Na		
	<b>Waste</b>	NA		
	<b>Accessories</b>	Two Overhead Shelves +300+450		
<b>18</b>	<b>MC - 27</b>	<b>Undercounter Refrigerator with 2 Overhead Shelves</b>		<b>1500x700x850</b>
	<b>Make</b>	<b>Elanpro</b>		
	<b>Model</b>	<b>3 Drawers &amp; 1 Door</b>		
	<b>Alternative Make</b>	<b>Trufrost/Celfrost</b>		
	<b>Capacity</b>			
		<b>Electricity</b>		
	<b>Power</b>	750W		
	<b>Votage</b>	230/50/1Ph		
		<b>Water Requirement</b>		
	<b>Cold</b>	NA		
	<b>Hot</b>	Na		
	<b>Waste</b>	NA		

	<b>Accessories</b>	Two Overhead Shelves +300+450	
<b>19</b>	<b>MC - 28</b>	<b>Undercounter Refrigerator with 2 Overhead Shelves</b>	<b>1500x700x850</b>
	<b>Make</b>	<b>Elanpro</b>	
	<b>Model</b>	<b>2 Drawers &amp; 1 Door</b>	
	<b>Alternative Make</b>	<b>Trufrost/Celfrost</b>	
	<b>Capacity</b>		
		<b>Electricity</b>	
	<b>Power</b>	750W	
	<b>Votage</b>	230/50/1Ph	
		<b>Water Requirement</b>	
	<b>Cold</b>	NA	
	<b>Hot</b>	Na	
	<b>Waste</b>	NA	
	<b>Accessories</b>	Two Overhead Shelves +300+450	
<b>20</b>	<b>MC - 31</b>	<b>Handwash Sink - Knee Operated</b>	<b>460x390x510</b>
	<b>Make</b>	<b>T &amp; S Brass</b>	
	<b>Model</b>		
	<b>Alternative Make</b>	<b>Sofinor/Aero</b>	
	<b>Capacity</b>		
		<b>Electricity</b>	
	<b>Power</b>	Na	
	<b>Votage</b>	Na	
		<b>Water Requirement</b>	
	<b>Cold</b>	12mm	
	<b>Hot</b>	12mm	

	<b>Waste</b>	50mm		
<b>21</b>	<b>MC - 32</b>	<b>Eye Wash Station</b>	<b>375x350</b>	
	<b>Make</b>	<b>T &amp; S Brass</b>		
	<b>Model</b>			
	<b>Alternative Make</b>	<b>Euronics</b>		
	<b>Capacity</b>			
		<b>Electricity</b>		
	<b>Power</b>	NA		
	<b>Voltage</b>	Na		
		<b>Water Requirement</b>		
	<b>Cold</b>	12mm		
	<b>Hot</b>	Na		
	<b>Waste</b>	50mm		
<b>22</b>	<b>MC - 34</b>	<b>Hose Reel</b>		<b>15 Mts</b>
	<b>Make</b>	<b>T &amp; S Brass</b>		
	<b>Model</b>	<b>5-HR-242-01</b>		
	<b>Alternative Make</b>	<b>Na</b>		
	<b>Capacity</b>	<b>15 Mts</b>		
		<b>Electricity</b>		
	<b>Power</b>	NA		
	<b>Voltage</b>	NA		
		<b>Water Requirement</b>		
	<b>Cold</b>	3/4"		
	<b>Hot</b>	Na		
	<b>Waste</b>	NA		
	<b>Accessories</b>	With Collapsible Bracket		
<b>23</b>	<b>MC - 35</b>	<b>Knife Sanitizer</b>	<b>400x180x620</b>	
	<b>Make</b>	<b>Sirman</b>		
	<b>Model</b>	<b>UV NAPOLI 16W</b>		
	<b>Alternative Make</b>	<b>Waring/Sofinor</b>		
	<b>Capacity</b>			
		<b>Electricity</b>		
	<b>Power</b>	16W		

	<b>Votage</b>	230/50/1Ph	
		<b>Water Requirement</b>	
	<b>Cold</b>	NA	
	<b>Hot</b>	Na	
	<b>Waste</b>	NA	
<b>24</b>	<b>MC - 35</b>	<b>Weighing Machine</b>	
	<b>Make</b>	<b>CAS</b>	
	<b>Model</b>		
	<b>Alternative Make</b>		
	<b>Capacity</b>		
		<b>Electricity</b>	
	<b>Power</b>		
	<b>Votage</b>	230/50/1Ph	
		<b>Water Requirement</b>	
	<b>Cold</b>	NA	
	<b>Hot</b>	Na	
	<b>Waste</b>	Na	