

REQUEST FOR BUGETARY ESTIMATE

Ref.: HSCC/SES/Kitchen/Maharashtra/2023 dated: 01.07.2023

HSCC (India) Ltd. intends to invite on-line bids from eligible bidders, in single stage two bid system for Execution including Design, Supply, Installation, Testing, Commissioning of Kitchen for a Reputed Hospital in Maharashtra, India.

Technical Specifications and BOQ of proposed Kitchen works are annexed herewith.

It is requested to submit the Budgetary Quotation of the Kitchen works in Company Letter Head, as per the BOQ format enclosed, in both Hard & Soft Copy within 10 days of issue of this Notice at following address:

General Manager (Procurement)
Special Engineering Services Department
HSCC (India) Ltd.,
E-6(A), Sector-1,
Noida (U.P.) - 201301.

Soft copy may please be sent to: ses@hsccltd.co.in

General Manager (Proc),
HSCC (India) Ltd.

FOR PROPOSED HOSPITAL IN MAHARASHTRA

e- Tender

for

**Supply Installation Testing & Commissioning of Kitchen for
Proposed Hospital in Maharashtra**

Technical Specification



(Consultants & Engineers for Mega Hospitals & Laboratories)
E - 6 (A), Sector - 1, NOIDA (U.P.) - 201301 (INDIA)

FAX : 91-11-91-2542447

E- mail : www.hsccltd.co.in

. TECHNICAL SPECIFICATION OF KITCHEN EQUIPMENTS

SCOPE OF WORK

The scope of work covered under this package comprises of Plan, design, supply, installation, testing and commissioning of Kitchen equipments complete with accessories and auxiliary items including Turnkey work all in accordance with the Technical Specifications, Bill of Quantities and handover to the client and providing of free spares and service during Defect Liability Period.

CENTRAL KITCHEN

1. Preparation Table with 1u/s

Top of 16 swg S.S-304 sheet on M.S Angle frame work duly rust proof painted on structure made on SS square/tubular legs with adjustable bullet feet for uneven floors. Also fitted with a under shelf. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip. Size- 2000x600x850

2. Wall shelf

Shelf constructed of 18 swg S.S-304 sheet & supports constructed from the 16 swg sheet 2000 x 600

3. Single Burner Stock Pot

Top of 16 swg. S.S-304 Sheet on M.S Angle frame work duly rust proof painted on SS-304 Tubular/ Square legs with adjustable bullet feet for uneven floors. Fitted with United/Sarna make heavy duty burner with pilot lamps with individual control valves and heavy duty cast iron pan support. Size- 750x750x600

4. Side Table

Same as sl.ni.1. Size- 1500x600x600

5. Exhaust hood

Entire exhaust is made of 20 swg.S.S-304 Sheet with S.S-304 baffle filters. Fitted with Electric motor and blower of suitable capacity, grease collection tray and hung with metal fasteners. Size- 2550x1800x600

6. Boiler (Tilting)

Double walled glass wool Insulated all S.S-304 Sheet body. The outer Most is of 18swg S.S-304 Sheet body. Fitted with heavy duty high pressure burner with pilot lamp & individual control valves. Fitted with water inlet & water outlet valve & strainer at the bottom level of the boiler also fitted with a Top opening lid with insulated handle. The entire boiler is mounted on heavy duty tubular legs. Also fitted with a heavy duty tilting gear to extract the boiled food. Size- 80 Ltrs.

7. Brazing Pan (Tilting)

Double walled mineral wool insulated all S.S-304sheet body on heavy duty tubular legs with adjustable bullet feet. Fitted with heavy duty burner with pilot lamp with individual control needle valve. Fitted with tilting gear to extract contents after cooking & water inlet valve. Also fitted with top opening lid with insulated handle. Size – 80 Ltrs.

8. Exhaust Hood

Entire exhaust is made of 20 swg.S.S-304 Sheet with S.S-304 baffle filters. Fitted with Electric motor and blower of suitable capacity, grease collection tray and hung with metal fasteners. Size- 4800x900x600

9. Masala Trolley

The entire trolley is made on SS sheet body to keep inserts for preparation on tubular legs on 4 nos castor wheels-2 with breaks and 2 normal. Also fitted with a bottom shelf/cross brazings. Size-800 x 500 x 900

10. Chapatti Plate cum puffer

Structure made of mild steel angle frame duly rust proof painted. Top of 12 mm mild steel, front Panel and under shelf 18swg S.S-304sheet, vertical legs of S.S-304 round pipe of 16swg. 1.5” diameter with nylon adjustable feet. Complete with CI perforated grill for puffing of chapattis, heavy duty high pressure RV burner pilot, and individual control valves Indian Oil Corporation approved. Size- 1500x600x850

11. Chapatti Rolling Table

Top made of 16swg S.S-304 sheet on MS Angle frame work with rust proof painted on S.S-304 square pipe 25x25mm/Tubular legs frame work and under shelf made of 18swg S.S-304 sheet. Vertical legs of S.S-304 round pipe of 16 swg. 1.5” dia with nylon adjustable feet. Size- 1200x600x850

12. Chapatti collection Trolley

Structure made of MS angle, duly rust proof painted Body completely constructed of S.S-304 sheet. Sunken top of 16 swg.S.S.-304 Sheet on S.S tubular legs on heavy duty wheels- 2 with breaks & 2 normal. Size- 750x600x850

13. Exhaust hood

Entire exhaust is made of 20 swg.S.S-304 Sheet with S.S-304 baffle filters. Fitted with Electric motor and blower of suitable capacity, grease collection tray and hung with metal fasteners. Size- 1650x750x600

14. Chapatti Making machine-L.P.G/PNG for heating

Fully automatic, compact, single unit machine to produce home-like chapattis in most hygienic way. The machine should produce balls from dough, rolls them into chapattis, cooks them by

turning sides on tawas and puffs them the way it is done at home. The machine produces soft & tasty chapatis without oil. Complete with accessories as per specification.

15. Work Table with sink

Top of 16 swg S.S-304 sheet on SS frame work on Structure made of S.S-304 square/Tubular pipe. Sink made of 14 swg S.S-304 on LHS/RHS and under shelf made of 18 swg S.S-304 sheet. Vertical legs of S.S-304 round pipe of 16 swg, 1.5” dia with nylon adjustable feet. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip. Size- 1200x600x850+150

16. Side Table

Same as sl.ni.1. Size- 1200x600x850

17. Automatic Chapatti Making machine (LPG/PNG) Capacity -1000 Chapatti/hr

Fully automatic, compact, single unit machine to produce home-like chapattis in most hygienic way. The machine should produce balls from dough, rolls them into chapatis, cooks them by turning sides on tawas and puffs them. The machine produces soft & tasty chapatis without oil. Make Chapatti Queen/Equivalent.

18. Exhaust hood

Entire exhaust is made of 20 swg.S.S-304 Sheet with S.S-304 baffle filters. Fitted with Electric motor and blower of suitable capacity, grease collection tray and hung with metal fasteners. Size- 3500x1800x600

19. Dough Kneader

Body completely constructed of heavy duty cast iron with gear box mounted on the top the mixing bowl of S.S-304 sheet 14 swg with S.S-304 arm to mix the dough and is operated electrically with heavy duty motor of 1 hp. Motor shall be S1 type of IS: 325 standard (Latest version) and of Kirloskar/NGEF/Siemens/ABB/GEC/ Crompton Greaves make. Capacity -25 Kg.

20. Garbage Cart

Moulded Plastic container -100 Ltrs capacity fitted with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base. Make-Cambro/Nilkmal/Sintex/Supreme

PREPARATION AREA

1. Preparation Table

Top of 16 swg S.S-304 sheet on M.S Angle frame work duly rust proof painted on structure made on SS square/tubular legs with adjustable bullet feet for uneven floors. Also fitted with a under shelf. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip. Size- 1800x600x850+150

2. Wall shelf

Shelf constructed of 18 swg S.S-304 sheet & supports constructed from the 16 swg sheet Size-1800x300

3. SS stand for Chopping blocks with boards

All S.S-304 sheet body to hold poly carbonate chopping boards-4Nos. Size-600x600x850

4. Vegetable Cutter (Imported)

Table top ,Professional 3.5 lts bowl capacity professional grade food processor, mixture, grinder complete with SS 304 grade cutter S type blade, transparent lid, with handle , water proof control panel with off & on simple touch button.Variable speed, 300 - 3000 rpm selection, 420 AISI SS blade, powerful induction motor on ball bearing. Safety device to operate only when cover is closed. Operationable on 220 volts, 50 Hz single phase.etc as required. Provided with standard set of attachments /discs/ tools blades for cutting/ slicing/ shredding etc. MAKE: DITTO ELECTROLUX/HOBART/ CAPLAIN/HALTER. Capacity-200 Kg/hr.

5. Potato Peeler

The heavy duty peeling drum is made of 18 swg. SS sheet on three nos tiny legs with adjustable bullet feet and a rotating disc of SS sheet being connected with heavy duty motor of S1 type of IS:325 standard, single/three phase. Also pasted with emery granules inside the drum and on rotating disc to peel and fitted with water inlet valve and aluminum casting/SS sheet our pour to extract peeled potatoes. Make-Robotcoupe/Sirman/Haudie/Hobart/Halter. Capacity-10 Kg

6. SS Double Bowl Sink unit R.H.S

Top of 16 sg. SS sheet on S.S. Angle frame work on S.S square legs with adjustable bullet feet for uneven floors. Also fitted with a large sink on RHS. Also fitted with a back splash and under shelf. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip. The bowl size 500x500x250. Size-1500 x 650 x 850 + 150 spl.

7. Garbage Cart

Moulded Plastic container -100 Ltrs capacity with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base. Make-Cambro/Nilkmal/Sintex/Supreme

PANTRY

1. Work table with sink

Top of 16 swg S.S-304 sheet on SS frame work on Structure made of S.S-304 square/Tubular pipe. Sink made of 14 swg S.S-304 on LHS/RHS and under shelf made of 18 swg S.S-304 sheet. Vertical legs of S.S-304 round pipe of 16 swg. 1.5" dia with nylon adjustable feet. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip. Size- 1500x600x850 +150.

2. Coffee/Tea Machine Dispenser

Double walled glass wool insulated all S.S-304 Sheet body. Fitted with 3.0 kw heating element with auto temp. controller & indicating lamp, water level indicator, Gun metal faucet one for water and another for milk. Capacity 250 cups/hr.

3. Work table

Top of 16 swg S.S-304 sheet on M.S Angle frame work duly rust proof painted on structure made on SS square/tubular legs with adjustable bullet feet for uneven floors. Also fitted with a under shelf. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip. Size- 1500x600x850

4. Micro oven

Convectional type, Capacity-30 Ltrs. Make-IFB/Equivalent.

5. Conveyor Toaster

Capacity 750 nos per hour. Power consumption should not be more than Arr 2.8 kwatt, 220 volts, stainless steel table top model, should be based on belt speed inplace of heating temperature for toasting colour. Stainless steel element with variable speed. Should be able to work both sides either front or rear. Stainless steel supplied with all accessories & attachments. Crumb tray /discharge tray should be provided continuous toasting with thermostatic setting. High quality components & accurate timer control. Unit size should be arr. 455x355x415mm Make; LINCAT (CT -10) /HATCO (TQ-800) HPA/CROMO/Hobart/Halter

6. Egg boiler

Capacity-120 pcs. Electrically heated, Heat insulated Container should be of SS 304 material

7. Milk boiler

Triple walled mineral wool insulated all SS -304 sheet body on SS-304 legs with adjustable bullet feet. The outer most wall and the second wall is mineral wool insulated and the other wall water proof and fitted with water inlet, outlet, over flow valves and water level indicator. Also fitted with 3.0 Kw immersion type heating element with auto temperature controller and indicating lamps and a heavy duty gun metal faucet. A top opening lid with insulated handle is fitted. Also fitted with two nos, insulated handles on either sides to carry. Capacity- 150 Ltrs.

8. 4 Burner Gas Range with Oven Below

Top of 16 swg. SS Sheet on M.S Angle frame work on SS Square legs with adjustable bullet feet for uneven floors. Fitted with United/Sarna make heavy duty burner with pilot lamps with individual control valves and heavy duty cast iron pan support. Also fitted with an electrically operated oven beneath. Size-950 x 950 x 850 + 150 Spl.

9. Exhaust hood

Complete frame work 20/22swg. Complete joints are air tight insulated weather proof mechanically painted on the Upper surface. S.S-304 filters-island type. Complete frame work 20/22swg. Complete joints are air tight insulated weather proof mechanically painted on the Upper surface. S.S-304 filters-Wall type complete with with Electric motor and blower of suitable capacity and required accessories Size- 1200x1000 x600

10. Idly Steamer

Doubled walled mineral wool insulated all SS sheet body on tiny tubular legs with adjustable bullet feet. Fitted with two nos immersion type heating element of 3.0 KW each with individual auto temperature controller and indicating lamps and SS hinges inside to keep detachable idly trays. Also fitted with water inlet, outlet valves and water level indicator. A front opening insulated door is fitted at the service side. 120 Idlys.

11. Juicer

Compact design- fits almost anywhere, under counters or worktables.

12. Hand wash Unit

Splash as per Layout (Rear & against side wall) Front & free side marine edge. 350mm dia.x200mm High Die Pressed Sink complete with 38mm dia. C.P. Drain Waste Out let. 16 gauge S.S-304 wall brackets. Secured to top with Acorn nuts & Bolts & Bracket secured to wall with anchor fasteners. Rear & Both sides 20 gauge S.S-304. One Deck mounted Jackson Swivel type water mixer water faucet. Unit mounted 865mm AFF Size- 600x600x450.

13. Garbage Cart

Moulded Plastic container -100 Ltrs capacity with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base. Make-Cambro/Nilkmal/Sintex/Supreme

POT WASH

1. Pot Rack-4-shelves

The heavy duty 4 tiers rack are made of S.S-304 square pipe (38mm & 25mm) and duly welded with 4 nos. uprights on nylon adjustable feet for uneven floor. Size- 1200X600X1650

2. Two Sink Pot wash

The structure made of SS: 304 square pipe 25 x 25 mm Angle frame work duly rust proof painted. Top & sink made of 14 swg and under shelf made of 18 swg SS: 304. Vertical legs of SS: 304 round pipe of 16 swg. 1.5inch dia. With nylon adjustable feet. Size- 1500x600x850+150

3. Pot wash Sink

To be constructed with Brick and Cement (Masonry Work) and finished with tiles Size- 2000x2000x600

4. Hot water Geysar

Horizontal Capacity-60 Ltrs.

5. Garbage Cart

Moulded Plastic container -100 Ltrs capacity with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base. Make- Cambro / Nilkmal / Sintex /Supreme

DISH WASH

1. Dish Washer

Single Tank Rack conveyor type. 6 to 8 plates per rack, Cycle time 1.5 minutes. Make-Winter Halter/ Electrolux /Hobart. At least 155 Rack/ hr **Imported**

2. Pre-rinse Jet spray

The spray unit to be fitted with hot & cold mixer. **Imported**

3. Soiled Dish Landing Table with glass Rack with Garbage chute

The marine edged top made of 16 swg SS: 304 sheet on MS Angle frame work, duly rust proof painted & stud welded for stronger grip and cross bracing of 18 swg SS: 304 sheet. Vertical legs with nylon adjustable feet. A Garbage chute is provided on LHS & a glass is fitted on the D.L.T. 1500X800X850 +60

4. Clean Dish Table

Top 16 swg S.S-304 sheet on MS Angle frame work duly rust proof painted & stud welded on SS. Tubular/square legs with adjustable bullet feet. Also fitted with SS slide out beneath to hold the plate/glass racks of 500 x 500 mm Size-900x800x850+150

5. Wiping Table

Top 16 swg S.S-304 sheet on MS Angle frame work duly rust proof painted & stud welded on SS. Tubular/square legs with adjustable bullet feet. Also fitted with an under shelf of 18 swg. S.S. Sheet of 18 swg. With adjustable bullet feet. Size-1500x600x850

6. Hot water Geysar

Horizontal Capacity-60 Ltrs.

7. Bussing Trolley

The two tiers trolley is made of 18 swg. SS sheet on tubular/square legs on castor wheels with a push cart type handle. Fitted with cushion guard on all sides to prevent the damage during operation. Size-900x600x900

8. Dish Storage Rack

All shelves are made of 18 swg SS: 304 on 4 nos round/square legs with adjustable bullet feet. All the shelves are having 'C' Channel through to accommodate maximum load bearing ability. Size-900x450x1800

9. Wall Shelf

Shelf constructed of 18 swg S.S-304 sheet & supports constructed from the 16 swg sheet Size- 900 x 300

10. Clean Dish Rack

Entirely constructed of S.S-304 round pipe with verticals and slides of 1.5 inch and inside shelves S.S-304 sheet 18 swg. The rack with 5 tiers is mounted on four nylon adjustable feet. Size- 900x450x1800

11. Dish Wash Basket Trolley

Top 16 swg S.S-304 sheet on MS Angle frame work duly rust proof painted on tiny castor wheels. Fitted with a push cart type handle. Size 600x600x200

12. Garbage Cart

Moulded Plastic container -100 Ltrs capacity with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base. Make-Cambro /Nilkmal /Sintex /Supreme

SET-UP AREA

1. Preparation Table with 1u/s

Top of 16 swg S.S-304 sheet on M.S Angle frame work duly rust proof painted on structure made on SS square/tubular legs with adjustable bullet feet for uneven floors. Also fitted with a under shelf. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip. Size- 1500 x 650 x 850 + 150 spl.

2. SS Rack on Castors

All five shelves are made of 18 swg. SS sheet on 4 nos round / square legs with adjustable bullet feet. All the shelves are having "C" channel through to accommodate maximum load bearing ability. Size- 1300 x 450 x 1800

3. Hot Bain Marie on Castors.

Double walled mineral wool insulated all S.S. Sheet body is fitted with an immersion type heating element of 3.0 KW with auto temp. controller & indicating lamps on heavy duty castor wheels. Also fitted with 4 nos. G.N. big pans with lids of. Size-2200 x 625 x 850

4. Hot Food Service Trolley

Double walled insulated with glass wool. Inner side made of 18swg & outer side made of 20 swg as Stainless steel 304 sheet with 4 no heavy duty Castor wheels (4"/6" dia) with 2 wheels locking arrangement and push cart type handle constructed from ss pipe. Trolley has Immersion type 3Kw heating elements with auto temp. controller & indicating lamp with temp. Indicator to keep 3 Nos big round containers of 10 ltrs. capacity each and 3 more small containers all with lids to keep food hot vegetable/soup/card etc. and one rectangular for container for to keep chapattis. Also fitted with one middle and bottom shelves with lockable door. Rubber cushion to be fitted at the corners to prevent damage during transportation. Size- 900x600x900

5. Platform Trolley

The entire trolley is made of 16 swg. S.S. Sheet on M.S. Angle frame work, duly Rust proof painted on heavy duty castor wheels. The top to be stud welded with the frame for stronger grip. Also fitted with a push cart type handle & rubber cushion in front to avoid the damage during movement.

6. Breakfast Trolley

Double walled insulated with glass wool. Inner side made of 18swg & outer side made of 20 swg as Stainless steel 304 sheet with 4 no heavy duty Castor wheels (4"/6" dia) with 2 wheels locking arrangement and push cart type handle constructed from ss pipe. Trolley has Immersion type 3Kw heating elements with auto temp. controller & indicating lamp with temp. Indicator to keep 3 Nos big round containers of 10 ltrs. capacity each and 3 more small containers of suitable capacities all with lids to keep food hot vegetable/soup/card etc. and one rectangular for container for to keep chapattis. Also fitted with one middle and bottom shelves with lockable door. Rubber cushion to be fitted at the corners to prevent damage during transportation. Size- 900x600x900

7. Garbage Cart

Moulded Plastic container -100 Ltrs capacity with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base. Make-Cambro /Nilkmal /Sintex / Supreme

STORE

1. Dunnage Rack

Make: Sintex / Nilkamal /Supreme. Moulded typed Size- 900x600x250

2. Weighing Scale Electronic

Electronic weighing scales of standard make to weigh upto 300 kg. The certificate from Weights & Measures Dept. is to be attached with the machine, duly certifying the serial no. Capacity-300 Kg. Make- Atco /Sanchit / Equivalent

3. Two door Refrigerator

Two/ single door unit, 650 Lts capacity, temperature range -2 deg C to +10°C. External and internal in AISI 304 stainless steel. High-density, expanded polyurethane insulating foam, 70 mm in thickness. Full door with lock and micro-switch to switch off the fan when the door is opened. Built-in Danfoss make refrigeration unit; Cooling capacity 1300 (watt).ventilated operating mode; digital control; automatic or manual defrost with automatic evaporation of defrost water; external digital temperature display; electronic thermostat. Humidity leveladjustment. Internal lighting. Cavity drain. For ambient temperatures up to 43 °C. CFC and HCFC free. R134a gas in refrigeration circuit. Gas in foam: Cyclopentane. Supplied with n. 4x2/1GN Rilsan coated grids and n. 4 sets of 2 stainless steel grid runners. Dimensions (WxDxH mm): 725 x 825 x 1975,Power (Kw): 0.52,Power supply: 230 V-1N -50.Fitted with Dixcell controller & EBM fan motor. The sheet thickness in the top & body should be 1.00 MM & 0.8MM. Mounted on adjustable feet. Confirming to HACCP Control. External locking arrangement should be provided, should have provision for USB comaptibility,RS485 interface &

integrated data logger, prepared for GSM alarm,& contact for remote control, door opening alarm, adjustable high/ low temperature & visual & acoustic alarm.

4. Four Door Freezer

1410 lts , -2deg C to +10 deg C, External and internal door and side panels in 304 AISI stainless steel. External back and top panel in galvanized steel. High-density expanded polyurethane insulating foam, 70mm in thickness 4 half doors with lock and microswitch to switch off the fan when the door is opened. Built-in refrigeration unit; Cooling capacity 1800 (watt) ventilated operating mode; digital control; automatic defrost and evaporation of defrost water; external digital temperature display. For ambient temperatures up to 43 °C. CFC and HCFC free. R134a gas in refrigeration circuit. fitted with Danfoss make compressor ,Gas in foam: Cyclopentane. Supplied with n. 8x2/1GN nylon coated grids and n. 8 sets of 2 stainless steel grid runners. Overall Dimensions (WxDxH mm): 1450 x 825 x 1975, El. Power (kW): 720. Fitted with Dixcell controller & EBM fan motor. The sheet thickness in the top & body should be 1.00 MM & 0.8MM. Mounted on adjustable feet. Confirming to HACCP Control should have provision for USB compatibility, RS485 interface, & integrated data logger, prepared for GSM alarm, & contact for remote control, door opening alarm, adjustable high/ low temperature & visual & acoustic alarm.

5. Four Door Freezer

1410 lts , 18 deg C to -22 deg C, External and internal door and side panels in 304 AISI stainless steel. External back and top panel in galvanized steel. High-density expanded polyurethane insulating foam, 70mm in thickness 4 half doors with lock and microswitch to switch off the fan when the door is opened. Built-in refrigeration unit; Cooling capacity 1800 (watt) ventilated operating mode; digital control; automatic defrost and evaporation of defrost water; external digital temperature display. For ambient temperatures up to 43 °C. CFC and HCFC free. R134a gas in refrigeration circuit fitted with Danfoss make compressor, Gas in foam: Cyclopentane. Supplied with n. 8x2/1GN nylon coated grids and n. 8 sets of 2 stainless steel grid runners. Overall Dimensions (WxDxH mm): 1450 x 825 x 1975, El. Power (kW): 720. Fitted with Dixcell controller & EBM fan motor. The sheet thickness in the top & body should be 1.00 MM & 0.8MM. Mounted on adjustable feet. Confirming to HACCP Control. should have provision for USB compatibility, RS485 interface, & integrated data logger, prepared for GSM alarm, & contact for remote control, door opening alarm, adjustable high/ low temperature & visual & acoustic alarm.

6. Water Cooler with RO system

Structure made of mild steel angle frame duly rust proof painted. Body completely constructed of S.S-304 sheet double walled insulated with puf, Inner tank of 22 swg and outer of 20 swg S.S-304 sheet food grade. The water cooler is mounted on four S.S-304 tubular legs with S.S-304 bullet adjustable feet. Complete with compressor and condenser unit of Emerson/ Techumshah/Kirloskar make with automatic temperature controller and temp. Indicator and RO system. Capacity-250 Ltrs.

7. Onion/ Potato Bin

The entire bin is made of S.S. wire meshed body on heavy duty castor wheels. Fitted with top opening lid and the inclined bottom to have a lockable door to extract. Size- 900x600x750

8. Cereal/Atta/Maida Bin

The entire bin made of 18 swg S.S-304 sheet on tiny caster wheels & with top opening lid. Size-900x600x750

9. Cold Room

RoomSize-4500X3000X2100 Temperature -0 to 4 degree centigrade Insulation:- Panels 60mm thick PU at 40-42kg density,PCGI exposed exterior 0.5mm thick sheet,PCGI exposed exterior 0.5mm thick sheet, PCGI interior 0.5mm thick sheet, floor interior and exterior of 0.5mm thick PCGI exposed sheet, Ceiling exterior PCGI, interior PCGI Sheet 0.5mm.Vertical,Panels Joint with Cam lock coupling in Tongue & Groove arrangement. Thickness of PUF Panels (for Wall, Ceiling & Floor)- 60mm.Wall & Ceiling panels Finish- Internal: SS 304 External: PCGI Galvanized Ironic Sheet. Flooring- Kota stone by client. Density of Panels-40kg/cub.m No. of Doors- One for Main Room Type. of Doors- Over Lapped or Flash Type Door Size-900mm x 1950mm. Accessories Included in the scope of Supply-1. Door Alarm 2. Lock Defeat mechanism 3. Light Inside the cold room. 4. Handle, Hinges & Locks. 5. Microprocessor based digital control. Panels. 6. Panel Accessories & necessary Hardware. Technical Feature of PUF Panels, Doors, & Accessories: Individual Panel is manufactured with closed cell Rigid Polyurethane foam, injected at high pressure, which secures the bond with facing material to form a single piece construction. RPUF insulation is CFC free and has Zero ODP- Ozone Depleting potential. Core density of 40kg/ Cu.M Panel finish is designed to resist many chemicals including most common cleaning agents. The panels have fire rating to BS.467 part 7, clause 1. Wall, floor & ceiling panels joined with Tongue and groove mechanism with cam lock system. The compressor and condenser unit of Emerson/ Techumshah/Kirloskar make with Automatic temperature controller and temp. Indicator. Room for Compressor, Condensor and control at the back of the Cold Room.

10. Storage Rack 5 tiers

All shelves are made of 18 swg SS: 304 on 4 nos round/square legs with adjustable bullet feet. All the shelves are having 'C' Channel through to accommodate maximum load bearing ability. Size-900x450x1800

11. Insect killer

Twin tube. Branded. Make-Mitzva/Equivalent

12. Air curtain

At entry points Make-Mitzva/Equivalent

1. LPG Bank

16 + 16 (One set working another set standby) LPG Cylinder Bank of 14.2 Kg each LPG cylinder with :

- Class 'C' seamless steel pipe conforming to IS:1239 (Latest version) with Pressure Gauges (0-15 PSIG & 0-5PSIG, dial type),
- Pressure reducing stations complete with Flanges & accessories and Isolation valves having ball valves of approved makes with LPG installation certificate having carbon steel body, SS ball and PTFE seat, Laboratory tap and all other fittings such as tees, reducers, unions, elbows.
- Steel Grilled cage of area 32 ft x 4ft.with lockable door for keeping 20 + 20 Cylinder Bank.

- The piping shall be joined through welding by using welding electrodes of ISI marked only.
- The LPG piping works shall be duly supported with ceiling, on walls etc. by providing adequate supports. In no case the spacing between two supports shall exceed 1.5 meter. Adequate measures shall be taken to prevent pipe from undue stresses, sagging etc.
- The piping shall be free internally and externally of cutting burrs, loose scales, dirt, dust and other foreign matters before installation is completed.
- All care shall be taken to prevent rusting of piping during installation by providing red oxide primer coating.
- Suitable sleeve of GI/wood shall be provided wherever the pipes are crossing through the walls/slabs etc.
- The LPG shall be providing keeping a minimum distance of 100 mm from the electrical wiring system.
- On completion of installation, the LPG manifold shall be complete with all accessories and individual components/parts which are subjected to cylinder pressure shall be capable of withstanding a test pressure twice the working pressure or 26 Kg/sq.cm whichever is higher. Pressure testing of complete LPG system and obtain the pressure test certificate from appropriate regulatory authority.
- All the fittings used for installation of LPG line system shall conform to relevant BIS codes.
- The complete LPG pipeline system shall be installed in accordance with IS:6044 (Latest version), Gas cylinder rules 1981 with latest amendments, OISD July 1995 (latest amendments).
- All the accessories, components used for installation of LPG pipeline system shall have the approval from Oil Company.
- Isolation/shut off valves shall be ball valves with installation certificate for use in LPG pipelines and shall have carbon steel body, Stainless steel ball and PTFE seat.
- After completion of installation, the entire pipeline system shall be given at least two coats paint as per LPG colour norms.
- The work of supply, installation, testing and commissioning of LPG manifold and supply system shall be carried out only by specialized agency shall have certification for carrying out similar jobs from Oil Companies like IOCL/BP/HP.
- The entire work of supply, installation, testing and commissioning of LPG manifold and supply system shall be carried out in accordance with directives of Oil Industry safety directorate and of Bureau of Indian Standards and using materials having necessary approvals for use in LPG installations.
- The contractor shall submit detailed shop drawings of LPG manifold, piping layout and piping installation details for approval. The items covered under the scope of works shall include all those ancillary items which may be required to complete the work in all respect whether specifically mentioned or not.
- Fire fighting arrangements for LPG Bank should be as per the guidelines of statutory body/local authority/State Government/Central Government.

2. IN ADDITION TO THE ABOVE, FOLLOWING TURNKEY WORKS FOR INSTALLATION AND COMMISSIONING OF KITCHEN ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR :

- **Electric distribution panel** for the above Kitchen equipment complete with all switchgears, wiring and controls etc complete as per specifications and drawings. (Switch gears of L&T/ Siemens/ ABB/GE or Schneider make)
- **Electrical cabling** of IS : 1554 standard and wiring as per IS : 732 standard from MDB(Single point source) to Electric Distributional Panel and to the corresponding load points. **Earthing system** of all Kitchen Equipment and other electrical instrument and accessories in the Kitchen area **as per standard guidelines of BIS(Latest edition)**. All cable trenches and railings should be made wherever required.
- Providing fixing of **Electrical Gadgets** like ELCB, MCB, Light Points, Power points, Fans, Cool air Fans, Exhaust fan etc in the Kitchen room. • Number of fans, power point, bulbs/tube light. Apart from these supplies to the individual equipments with ELCB & MCB in the Kitchen room. • Installation of MCB, ACB, ELCB & OCB of Havell/Siemens/L&T/Schneider etc for Control Panel for Kitchen.
- Laying of **GI water pipe line, Plumbing** with necessary taps, joints, elbows, Unions and valves of GI made and IS-1239 standard (Latest version) from overhead tank (Overhead tank is at the roof of Kitchen room)to the installed machines'/users' ends at Kitchen Room.
- Installation and commissioning of **Water Softener** of suitable capacity for softening of available ground/supply water continuously at the hardness necessary for washing and other application required for Kitchen is at least “< 50 ppm”. The Water Softening System shall be installed in the capacity compatible to the requirement of Kitchen equipments and system running for the assigned duration at fully loaded condition. The specimen of ground/supply water is available at the site of installation at Institute for design and selection of Water Softening System.
- Construction/laying of **Draining/Sewer system** from all the equipments/Sinks to the main drain (outside the Kitchen) **with SS Grating**, proper trap and flow system and tapping.
- Necessary Ducting of GI sheet with grills at the suitable places for **Air washing** for fresh air at the working place inside the Kitchen. **Ventilation with exhaust Scrubber** for creating comfortable working zone (CFM should be as per ASHRAE) within the Kitchen. Motors shall be of continuous duty S1 type of IS: 325 standard (Latest version).
Mechanically powered make up air should not be taken from dirty areas such as waste storage or pot washrooms. Discharge louvers should be positioned such that the extracted air cannot be entrained into the air supply system, nor cause a nuisance to others near the discharge louvers. The ductwork should discharge at least 1m above any open able window and should not have a mesh screen.
- Arrangement for requisite **Fire Fighting** for Kitchen Room including installation of Centrifugal Pump-1 No. of 450 LPM, 30 Mtrs head. Make-KIRLOSKAR/ NGEF/ SIEMENS/CROMPTON/ABB head of reputed make and Hose Reel-(30Mtrs Length)-3 Nos with 5000 Ltrs Sintex/Patton/Equivalent tank at the suitable locations to protect against fire at the entire effective zones in the Kitchen and the portable fire extinguishers and their maintenance for the contract period including approval from or as per State/Central Govt. regulation/local authority/Statutory body if required.
- Additional work pertaining to Civil, Electrical, Plumbing, Sanitary and any other protections relevant as per State/Central Govt. regulation/local authority, Office Furniture, Servo stabilisers, U.P.S. etc. required for successful installation testing and commissioning of the system and the offered price should include all such costs, each Schedule is to be considered a package in itself and contractor to execute the order package on a “turn key basis”.

In addition to the above mentioned equipment/appliances, if the contractor thinks it necessary to include any other equipment/appliances, accessories etc. for the Kitchen then that may be provided after approval from Engineer in-charge.

- The sizes are approximate. Minor variations in sizes shall be acceptable subject to prior approval of the Engineer.

Note :

- **The bidder should attach Technical Compliance item wise with respect to the above technical specifications and turnkey work along with Printed catalogues**
- **The contractor shall be responsible for the complete works including submission of working drawing and walk through view.**
- **The Contractor should provide complete Operation manual, Equipment manual, Service manual and manuals for all systems and subsystems.**
- **The contractor should provide Final electrical and pressure and other safety test, system test and calibration to be done by authorized person with test instruments.**
- **All electrical accessories like cable wire, electrical outlets, switches etc supplied by the contractor should be fire proof of reputed make, certified for electrical safety.**
- **Wherever makes have not been specified for certain items, the same shall be as per BIS and as per approval of HSCC.**
- **Training of personnel of the Institute should be 15 days at least by the contractor.**
- **The contractor should prepare and submit layout plan for Electrical Wiring, Electrical Distributional Panel, Plumbing, Fire Fighting System, Air Washing and Ventilation and Drain line to HSCC for approval before beginning of supply and installation and As-Built drawing after installation.**
- **The contractor should provide test certificate for all materials along with manufacturer's test certificate and equipments used for Kitchen.**
- **Third party quality certification of the equipment from SGS/Lloyds/Bureau Veritas should be submitted by the contractor as "Certifies that the Kitchen items meet the technical specification and BOQ of the tender document vide contract No (Mention Contract No.)."**
- **Third party test certificate and manufacturer test report for the items/equipment should be provided at the time of pre-despatch inspection.**
- **Training should be imparted to the hospital staff for 2 weeks by the contractor.**
- **The bidder must ensure that they have Authorization from the Manufacturers for the following equipment/ items:**
 - a) **For All Major equipments of Kitchen**

The contractor (after award of work) will coordinate with other contractors for the related works/services like Civil, Electrical, Plumbing, HVAC, Fire Fighting, IT & other services etc. for proper integration of all the services and timely completion of the works.

It should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for the product and copy of valid license should be submitted, if applicable.

BILL OF QUANTITY

PART-I: Supply, Installation, testing and Commissioning of Kitchen equipment with One Year Defect Liability Period

Rate shall be inclusive of all charges like packing, forwarding, GST @18% etc. complete in all respect.

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
	CENTRAL KITCHEN				
1	Preparation Table with 1u/s- Top of 16 swg S.S-304 sheet on M.S Angle frame work duly rust proof painted on structure made on SS square/tubular legs with adjustable bullet feet for uneven floors. Also fitted with a under shelf. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip complete with accessories as per technical specification	2000x600x850	1		0.00
2	Wall Shelf - constructed of 18 swg S.S-304 sheet & supports constructed from the 16 swg sheet complete with accessories as per technical specification	2000x600	1		0.00
3	Single Burner Stock Pot- Top of 16 swg. S.S-304 Sheet on M.S Angle frame work duly rust proof painted on SS Tubular/ Square legs with adjustable bullet feet for uneven floors. Fitted with United/Sarna make heavy duty burner with pilot lamps with individual control valves and heavy duty cast iron pan support complete with accessories as per specification.	750x750x600	6		0.00
4	Side Table- Same as sl.ni.1	1500x600x600	2		0.00
5	Exhaust hood- Entire exhaust is made of 20 swg.S.S-304 Sheet with S.S-304 baffle filters. Fitted with Electric motor and blower of suitable capacity, grease collection tray and hung with metal fasteners complete with accessories as per specification.	2550x1800x600	1		0.00
6	Boiler (Tilting) - Double walled glass wool Insulated all S.S-304 Sheet body. The outer Most is of 18swg S.S-304 Sheet body. Fitted with heavy duty high pressure burner with pilot lamp & individual control valves. Fitted with water inlet & water outlet valve & strainer at the bottom level of the boiler also fitted with a Top opening lid with insulated handle. The entire boiler is mounted on heavy duty tubular legs. Also fitted with a heavy duty tilting gear to extract the boiled food complete with accessories as per specification.	80 Ltrs.	2		0.00
7	Brazing Pan (Tilting) - Double walled mineral wool insulated all S.S-304sheet body on heavy duty tubular legs with adjustable bullet feet. Fitted with heavy duty burner with pilot lamp with individual control needle valve. Fitted with tilting gear to extract contents after cooking & water inlet valve. Also fitted with top opening lid with insulated handle complete with accessories as per specification.	80 ltr.	2		0.00

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
8	Exhaust Hood - Entire exhaust is made of 20 swg.S.S-304 Sheet with S.S-304 baffle filters. Fitted with Electric motor and blower of suitable capacity, grease collection tray and hung with metal fasteners complete with accessories as per specification.	4800x900x600	1		0.00
9	Masala Trolley -The entire trolley is made on SS sheet body to keep inserts for preparation on tubular legs on 4 nos castor wheels-2 with breaks and 2 normal. Also fitted with a bottom shelf/cross brazings. Size-800 x 500 x 900 complete with accessories as per technical specification	800x500x900	2		0.00
10	Chapatti Plate cum puffer - Structure made of mild steel angle frame duly rust proof painted . Top of 12 mm mild steel, front Panel and under shelf 18swg S.S-304sheet, vertical legs of S.S-304 round pipe of 16swg. 1.5” diameter with nylon adjustable feet. Complete with CI perforated grill for puffing of chapattis, heavy duty high pressure RV burner pilot, individual control valves Indian Oil corporation approved complete with accessories as per specification.	1500x600x850	2		0.00
11	Chapatti Rolling Table - Top made of 16swg S.S-304 sheet on MS Angle frame work with rust proof painted on S.S-304 square pipe 25x25mm/Tubular legs frame work and under shelf made of 18swg S.S-304 sheet. Vertical legs of S.S-304 round pipe of 16 swg. 1.5” dia with nylon adjustable feet complete with accessories as per specification.	1200x600x850	2		0.00
12	Chapatti collection Trolley - Structure made of MS angle, duly rust proof painted Body completely constructed of S.S-304 sheet. Sunken top of 16 swg.S.S. Sheet on S.S tubular legs on heavy duty wheels- 2 with breaks & 2 normal complete with accessories as per specification.	750x600x850	4		0.00
13	Exhaust hood - Entire exhaust is made of 20 swg.S.S-304 Sheet with S.S-304 baffle filters. Fitted with Electric motor and blower of suitable capacity, grease collection tray and hung with metal fasteners complete with accessories as per specification.	1650x750x600	1		0.00
14	Work Table with sink - Top of 16 swg S.S-304 sheet on SS frame work on Structure made of S.S-304 square/Tubular pipe. Sink made of 14 swg S.S-304 on LHS/RHS and under shelf made of 18 swg S.S-304 sheet. Vertical legs of S.S-304 round pipe of 16 swg. 1.5” dia with nylon adjustable feet. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip complete with accessories as per technical specification	1200x600x850+150	2		0.00
15	Side Table -Same as sl.ni.1.	1200x600x850	2		0.00

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
16	Automatic Chapatti Making machine (LPG/PNG) Fully automatic, compact, single unit machine to produce home-like chapattis in most hygienic way. The machine should produce balls from dough, rolls them into chapatis, cooks them by turning sides on tawas and puffs them. The machine produces soft & tasty chapatis without oil. Complete with accessories as per specification. Make Chapatti Queen/Equivalent	1000 Chapatti per hr	1		0.00
17	Exhaust hood- Entire exhaust is made of 20 swg.S.S-304 Sheet with S.S-304 baffle filters. Fitted with Electric motor and blower of suitable capacity, grease collection tray and hung with metal fasteners complete with accessories as per specification.	3500x1800x600	1		0.00
18	Dough Kneader- Body completely constructed of heavy duty cast iron with gear box mounted on the top the mixing bowl of S.S-304 sheet 14 swg with S.S-304 arm to mix the dough and is operated electrically with heavy duty motor of 1 hp. Motor shall be S1 type of IS : 325 standard (Latest version) and of Kirloskar/NGEF/Siemens/ABB/GEC/ Crompton Greaves make complete with accessories as per specification..	25 kg.	2		0.00
19	Garbage Cart- Moulded Plastic container with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its basecomplete with accessories as per specification. Make- Cambro/Nilkmal/Sintex/Supreme	Capacity-100 ltrs,	1		0.00
	PREPARATION AREA				0.00
1	Preparation Table- Top of 16 swg S.S-304 sheet on M.S Angle frame work duly rust proof painted on structure made on SS square/tubular legs with adjustable bullet feet for uneven floors. Also fitted with a under shelf. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip complete with accessories as per technical specification	1800x600x850+150	1		0.00
2	Wall shelf- Shelf constructed of 18 swg S.S-304 sheet & supports constructed from the 16 swg sheet complete with accessories as per technical specification	1800x300	1		0.00
3	SS stand for Chopping blocks with boards- All S.S-304 sheet body to hold poly carbonate chopping boards-4Nos.complete with accessories as per specification.	600x600x850	6		0.00
4	Vegetable Cutter (Imported) - Table top ,Professional 3.5 lts bowl capacity professional grade food processor, mixture, grinder complete with SS 304 grade cutter S type blade, transparent lid, with handle , water proof control panel with off & on simple touch button.Variable speed, 300 - 3000 rpm selection, 420 AISI SS blade, powerful induction motor on ball bearing. safety device to operate only when cover is closed. Operationable on 220 volts, 50 Hz single phase.etc as required. provided with standard set of attachments /discs/ tools blades for cutting/ slicing/ shredding etc. MAKE : DITTO ELECTROLUX/HOBART/ CAPLAIN/HALTER complete with accessories as per technical specification	200 Kg/hr	2		0.00

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
5	Potato Peeler- The heavy duty peeling drum is made of 18 swg. SS sheet on three nos tiny legs with adjustable bullet feet and a rotating disc of SS sheet being connected with heavy duty motor of S1 type of IS:325 standard, single/three phase . Also pasted with emery granules inside the drum and on rotating disc to peel and fitted with water inlet valve and aluminum casting/SS sheet our pour to extract peeled potatoes complete with accessories as per specification. Make-Robotcoupe/Sirman/Haudie/Hobart/Halter	10 kg.	1		0.00
6	SS Single Bowl Sink unit (Vegetable washing)- Top of 16 sg. SS sheet on S.S. Angle frame work on S.S square legs with adjustable bullet feet for uneven floors. Also fitted with a large sink on RHS. Also fitted with a back splash and under shelf. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip. The bowl size 500x500x250 complete with accessories as per technical specification	1500 x 650 x 850 + 150 spl.	1		0.00
7	Garbage Cart- Moulded Plastic container with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base complete with accessories as per specification.Make-Cambro/Nilkmal/Sintex/Supreme	Capacity-100 ltrs,	1		0.00
PANTRY					0.00
1	Work table with sink- Top of 16 swg S.S-304 sheet on SS frame work on Structure made of S.S-304 square/Tubular pipe. Sink made of 14 swg S.S-304 on LHS/RHS and under shelf made of 18 swg S.S-304 sheet. Vertical legs of S.S-304 round pipe of 16 swg. 1.5” dia with nylon adjustable feet. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip complete with accessories as per technical specification	1500x600x850 +150	1		0.00
2	Coffee/Tea Machine Dispenser- Double walled glass wool insulated all S.S-304 Sheet body. Fitted with 3.0 kw heating element with auto temp. controller & indicating lamp, water level indicator, Gun metal faucet one for water and another for milk complete with accessories as per specification..	250 cups/hr	1		0.00
3	Work table - Top of 16 swg S.S-304 sheet on M.S Angle frame work duly rust proof painted on structure made on SS square/tubular legs with adjustable bullet feet for uneven floors. Also fitted with a under shelf. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip.	1500x600x850	1		0.00
4	Micro oven- Convectional, Complete with accessories as per specification.IFB/Equivalent	30 ltrs.	1		0.00

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
5	Conveyor Toaster- Capacity 750 nos per hour. Power consumption should not be more then Arr 2.8 kwatt,220 volts, stainless steel table top model, should be based on belt speed inplace of heating temperature for toasting colour. stainless steel element. with variable speed. Should be able to work both sides either front or rear. stainless steel .supplied with all accessories & attachments. crumb tray /discharge tray should be provided. continous toasting with thermostatic setting.High quality components &accurate timer control.Unit size should eb arr. 455x355x415mm Complete with accessories as per specification. Make ; LINCAT (CT -10) /HATCO (TQ-800)HPA/CROMO/Hobart/Halter	750 Slices/hr	1		0.00
6	Egg boiler- Double walled mineral wool insulated all SS Sheet body on SS legs with adjustable bullet feet. Fitted with 3.0 kw immersion type heating element with auto temperature controller and indicating lamps. Also fitted with a top opening lid with insulated handle and two insulated handles on either side to carry. Also fitted with water inlet, outlet valves & water level indicator complete with accessories as per specification.	120 pcs egg/cycle	1		0.00
7	Milk boiler- Triple walled mineral wool insulated all SS sheet body on SS legs with adjustable bullet feet. The outer most wall and the secnd wall is mineral wool insulated and the other wall water proof and fitted with water inlet, outlet, over flow valves and water level indicator. Also fitted with 3.0 kw immersion type heating element with auto temperature controller and indicating lamps and a heavy duty gun metal faucet. A top opening lid with insulated handle is fitted . Also fitted with two nos, insulated handles on either sides to carry complete with accessories as per specification.	150 ltrs.	1		0.00
8	Four Burner with Oven- Top of 16 swg. SS Sheet on M.S Angle frame work on SS Square legs with adjustable bullet feet for uneven floors. Fitted with United/Sarna make heavy duty burner with pilot lamps with individual control valves and heavy duty cast iron pan support. Also fitted with an electrically operated oven beneath. Size- 950 x 950 x 850 + 150 Spl complete with accessories as per technical specification	950 x 950 x 850 + 150 Spl.	1		0.00
9	Exhaust hood- Complete frame work 20/22swg. Complete joints are air tight insulated weather proof mechanically painted on the Upper surface. S.S-304 filters-wall type complete with with Electric motor and blower of suitable capacity and required accessories as per specification.	1200x1000 x600	1		0.00
10	Idly Steamer- Doubled walled mineral wool insulated all SS sheet body on tiny tubular legs with adjustable bullet feet. Fitted with two nos immersion type heating element of 3.0 KW each with individual auto temperature controller and indicating lamps and SS hinges inside to keep detachable idly trays. Also fitted with water inlet, outlet valves and water level indicator. A front opening insulated door is fitted at the service side.120 Idlys complete with accessories as per technical specification	120 pcs	1		0.00

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
11	Juicer- Compact design- fits almost anywhere,under counters or worktables complete with accessories as per technical specification		2		0.00
12	Hand wash Unit- Splash as per Layout (Rear & against side wall) Front & free side marine edge. 350mm dia.x200mm High Die Pressed Sink complete with 38mm dia. C.P. Drain Waste Out let. 16 gauge S.S-304 wall brackets. Secured to top with Acorn nuts & Bolts & Bracket secured to wall with anchor fasteners. Rear & Both sides 20 gauge S.S-304. One Deck mounted Jackson Swivel type water mixer water faucet. Unit mounted 865mm	600x600x450	1		0.00
13	Garbage Cart- Moulded Plastic container with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base complete with accessories as per specification.Make-Cambro/Nilkmal/Sintex/Supreme	Capacity-100 ltrs,	1		0.00
	POT WASH				0.00
1	Pot Rack-4shelves- The heavy duty 4 tiers rack are made of S.S-304 square pipe (38mm & 25mm) and duly welded with 4 nos. uprights on nylon adjustable feet for uneven floor complete with accessories as per specification.	1200X600X1650	4		0.00
2	Two Sink Pot Wash- The structure made of SS: 304 square pipe 25 x 25 mm Angle frame work duly rust proof painted. Top & sink made of 14 swg and under shelf made of 18 swg SS: 304. Vertical legs of SS: 304 round pipe of 16 swg. 1.5inch dia. With nylon adjustable feet. Size- 1500x600x850+150 complete with accessories as per technical specification	1500x600x850+150	1		0.00
3	Pot wash Sink- To be constructed with Brick and Cement (Masonry Work) finished with tiles complete with accessories as per technical specification	2000x2000x600	1		0.00
4	Hot water Geyser- Horizontal	60 Ltrs.	1		0.00
5	Garbage Cart- Moulded Plastic container with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base complete with accessories as per specification.Make-Cambro/Nilkmal/Sintex/Supreme	Capacity-100 ltrs,	1		0.00
	DISH WASH				0.00
1	Dish Washer- Single Tank Rack conveyor type. 6 to 8 plates per rack, Cycle time 1.5 minutes.Make-Winter Halter/ Electrlux/Hobart complete with accessories as per technical specification	At least 155 Rack/hr	1		0.00
2	Pre-rinse Jet spray Imported		2		0.00
3	Soiled Dish Landing Table with glass Rack with Garbage chute- The marine edged top made of 16 swg SS: 304 sheet on MS Angle frame work, duly rust proof painted & stud welded for stronger grip and cross bracing of 18 swg SS: 304 sheet. Vertical legs with nylon adjustable feet. A Garbage chute is provided on LHS & a glass is fitted on the D.L.T. complete with accessories as per technical specification	1500X800X850 +600	1		0.00

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
4	Clean Dish Table- Top 16 swg S.S-304 sheet on MS Angle frame work duly rust proof painted & stud welded on SS. Tubular/square legs with adjustable bullet feet. Also fitted with SS slide out beneath to hold the plate/glass racks of 500 x 500 mm complete with accessories as per technical specification	900x800x850+150	1		0.00
5	Wiping Table- Top 16 swg S.S-304 sheet on MS Angle frame work duly rust proof painted & stud welded on SS. Tubular/square legs with adjustable bullet feet. Also fitted with an under shelf of 18 swg. S.S. Sheet of 18 swg. With adjustable bullet feet complete with accessories as per technical specification	1500x600x850	1		0.00
6	Hot water Geyser- Horizontal	60 Ltrs.	1		0.00
7	Bussing Trolley- The two tiers trolley is made of 18 swg. SS sheet on tubular/square legs on castor wheels with a push cart type handle. Fitted with cushion guard on all sides to prevent the damage during operation complete with accessories as per technical specification	900x600x900	2		0.00
8	Dish Storage Rack 5 tiers- All shelves are made of 18 swg SS: 304 on 4 nos round/square legs with adjustable bullet feet. All the shelves are having 'C' Channel through to accommodate maximum load bearing ability complete with accessories as per technical specification	900x450x1800	3		0.00
9	Wall Shelf- Shelf constructed of 18 swg S.S-304 sheet & supports constructed from the 16 swg sheet complete with accessories as per technical specification	900 x 300	2		0.00
10	Clean Dish Rack- Entirely constructed of S.S-304 round pipe with verticals and slides of 1.5 inch and inside shelves S.S-304 sheet 18 swg. The rack with 5 tiers is mounted on four nylon adjustable feet complete with accessories as per technical specification	900x450x1800	3		0.00
11	Dish Wash Basket Trolley- Top 16 swg S.S-304 sheet on MS Angle frame work duly rust proof painted on tiny castor wheels. Fitted with a push cart type handle complete with accessories as per technical specification	600x600x200	2		0.00
12	Garbage Cart- Moulded Plastic container with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base complete with accessories as per technical specification.Make-Cambro/Nilkmal/Sintex/Supreme	Capacity-100 ltrs,	1		0.00
	SET-UP AREA				0.00
1	Preparation Table with 1 u/s- Top of 16 swg S.S-304 sheet on M.S Angle frame work duly rust proof painted on structure made on SS square/tubular legs with adjustable bullet feet for uneven floors. Also fitted with a under shelf. The top is fitted with stud welded bolts with the frame for sturdy and stronger grip. Size- 1500 x 650 x 850 + 150 spl. complete with accessories as per technical specification	1500 x 650 x 850 + 150 spl	2		0.00
2	SS Rack on Castors- All five shelves are made of 18 swg. SS sheet on 4 nos round / square legs with adjustable bullet feet. All the shelves are having "C" channel through to accommodate maximum load bearing ability. Size-1300 x 450 x 1800 complete with accessories as per technical specification	1300 x 450 x 1800	3		0.00

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
3	Hot Bain Marie on Castors- Double walled mineral wool insulated all S.S. Sheet body is fitted with an immersion type heating element of 3.0 KW with auto temp. controller & indicating lamps on heavy duty castor wheels. Also fitted with 4 nos. G.N. pans of big size with lids complete with accessories as per technical specification	2200 x 625 x 850	2		0.00
4	Hot Food Service Trolley- Double walled insulated with glass wool. Inner side made of 18swg & outer side made of 20 swg as Stainless steel 304 sheet with 4 no heavy duty Castor wheels (4"/6" dia) with 2 wheels locking arrangement and push cart type handle constructed from ss pipe. Trolley has Immersion type 3Kw heating elements with auto temp. controller & indicating lamp with temp. Indicator to keep 3 Nos big round containers of 10 ltrs. capacity each and 3 more small containers of suitable capacities all with lids to keep food hot vegetable/soup/card etc. and one rectangular for container for to keep chapattis. Also fitted with one middle and bottom shelves with lockable door. Rubber cushion to be fitted at the corners to prevent damage during transportation complete with accessories as per specification..	900x600x900	10		0.00
5	Platform Trolley- The entire trolley is made of 16 swg. S.S. Sheet on M.S. Angle frame work, duly Rust proof painted on heavy duty castor wheels. The top to be stud welded with the frame for stronger grip. Also fitted with a push cart type handle & rubber cushion in front to avoid the damage during movement.	900x600x250	4		0.00
6	Breakfast Trolley- Double walled insulated with glass wool. Inner side made of 18swg & outer side made of 20 swg as Stainless steel 304 sheet with 4 no heavy duty Castor wheels (4"/6" dia) with 2 wheels locking arrangement and push cart type handle constructed from ss pipe. Trolley has Immersion type 3Kw heating elements with auto temp. controller & indicating lamp with temp. Indicator to keep 3 Nos big round containers of 10 ltrs. capacity each and 3 more small containers of suitable capacities all with lids to keep food hot vegetable/soup/card etc. and one rectangular for container for to keep chapattis. Also fitted with one middle and bottom shelves with lockable door. Rubber cushion to be fitted at the corners to prevent damage during transportation complete with accessories as per specification..	900x600x900	10		0.00
7	Garbage Cart- Moulded Plastic container with 2 Nos-Big castor wheel. Garbage cart should be set to keep vertically upright on its base complete with accessories as per specification.Make- Cambro/Nilkmal/Sintex/Supreme	Capacity-100 ltrs,	1		0.00
	STORE				0.00
1	Dunnage Rack- Make Sintex/ Nilkamal/Supreme, Moulded type	900x600x250	4		0.00
2	Weighing Scale Electronic- Electronic weighing scales of standard make to weigh upto 300 kg. The certificate from Weights & Measures Dept. is to be attached with the machine, duly certifying the serial no. complete with accessories as per specification. Make- Atco/Sanchit/Equivalent	300kg	1		0.00

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
3	Two door Refer.- Two/ single door unit, 650 Ltrs capacity, temperature range -2 deg C to +10°C. External and internal in AISI 304 stainless steel. Complete as required with all accessories as per technical specification	650 ltrs.	1		0.00
4	Four Door Refrigerator- 1410 lts ,-2deg C to +10 deg C, External and internal door and side panels in 304 AISI stainless steel. Complete as required with all accessories as per technical specification	1410 Ltrs,	1		0.00
5	Four Door Freezer 1410 lts ,18 deg C to -22 deg C, External and internal door and side panels in 304 AISI stainless steel. External back and top panel in galvanized steel. High-density expanded polyurethane insulating foam, 70mm in thickness 4 half doors with lock and microswitch to switch off the fan when the door is opened. Built-in refrigeration unit; Cooling capacity 1800 (watt) ventilated operating mode; digital control; automatic defrost and evaporation of defrost water; external digital temperature display. Complete as required with all accessories as per technical specification	1410 Ltrs,	1		0.00
6	Water Cooler with RO System- Structure made of mild steel angle frame duly rust proof painted. Body completely constructed of S.S-304 sheet double walled insulated with puf, Inner tank of 22 swg and outer of 20 swg S.S-304 sheet food grade. The water cooler is mounted on four S.S-304 tubular legs with S.S-304 bullet adjustable feet. Complete with compressor and condenser unit with automatic temperature controller and temp. Indicator and RO system complete with accessories as per specification. Make-Bluestar/celfrost/Equivalent	250 ltr.	1		0.00
7	Onian/ Potato Bin- The entire bin is made of S.S. wire meshed body on heavy duty castor wheels. Fitted with top opening lid and the inclined bottom to have a lockable door to extract complete with accessories as per specification.	900x600x750	2		0.00
8	Cereal/Atta/Maida Bin- The entire bin made of 18 swg S.S-304 sheet on tiny caster wheels & with top opening lid complete with accessories as per specification.	900x600x750	4		0.00

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
9	<p>Cold Room- Room size- Temperature -0 to 4 degree centigrade Insulation: Panels 60mm thick PU at 40-42kg density,PCGI exposed exterior 0.5mm thick sheet,PCGI exposed exterior 0.5mm thick sheet, PCGI interior 0.5mm thick sheet, floor interior and exterior of 0.5mm thick PCGI exposed sheet, Ceiling exterior PCGI, interior PCGI Sheet 0.5mm.Vertical,Panels Joint with Cam lock coupling in Tongue & Groove arrangement. Thickness of PUF Panels (for Wall, Ceiling & Floor)- 60mm.Wall & Ceiling panels Finish- Internal: SS 304 External: PCGI Galvanized Ironic Sheet. Flooring- Kota stone by client. Density of Panels-40kg/cub.m No. of Doors- One for Main Room Type. of Doors- Over Lapped or Flash Type Door Size-900mm x 1950mm. Accessories Included in the scope of Supply-1. Door Alarm 2. Lock Defeat mechanism 3. Light Inside the cold room. 4. Handle, Hinges & Locks. 5. Microprocessor based digital control. Panels. 6. Panel Accessories & necessary Hardware. Technical Feature of PUF Panels, Doors, & Accessories: Individual Panel is manufactured with closed cell Rigid Polyurethane foam, injected at high pressure, which secures the bond with facing material to form a single piece construction. RPUF insulation is CFC free and has Zero ODP- Ozone Depleting potential. Core density of 40kg / Cu.M Panel finish is designed to resist many chemicals including most common cleaning agents. The panels have fire rating to BS.467 part 7, clause 1. Wall, floor & ceiling panels joined with Tongue and groove mechanism with cam lock system. The compressor and condenser unit of Emerson/ Techumshah/Copeland/Danfoss make with Automatic temperature controller and temp. Indicator complete with accessories as per specification. Make- Bluestar/Celfrost/Mothersonzoni</p>	4500X3000X2100	1		0.00
10	Storage Rack 5 tiers- All shelves are made of 18 swg SS: 304 on 4 nos round/square legs with adjustable bullet feet. All the shelves are having 'C' Channel through to accommodate maximum load bearing ability complete with accessories as per specification.	900x450x1800	14		0.00
11	Insect killer- Twin tube. Make- Mitzva/Equivalent	Branded.	6		0.00
12	Air curtain -1 entry point Make-Mitzva/Equivalent	Length as per drg.	2		0.00
					0.00
1	LPG BANK	1 Lot	1		0.00
					0.00
2	TURNKEY WORKS	1 Lot	1		0.00
	Sub Total Part-I in Rs.				

Sl. No.	Specifications	Size/Unit	Qty.	Rate in Rs.	Amount in Rs.
Sr. No.	Description	Unit	Qty	Rate in Rs.	Amount in Rs.
1	PART-II: Comprehensive Maintenance Charges for the complete Kitchen appliances including spares, repair or replacement of defective equipments/parts, tolls, tackles, accessories, consumables, labour charges etc. complete in all respect after completion of one year DLP as per the contract.				
	Ist Year	Job	1		
	2nd Year	Job	1		
	3rd Year	Job	1		
	4th Year	Job	1		
	SUB TOTAL Rs.				
	SUMMARY OF RATES QUOTED				
	TOTAL (PART-I)				
	TOTAL (PART-II)				
	Grand Total Amount (PART - I + PART - II) in Rs.				