

TIN: 06491045976

M/S CHHABRA ENGINEERS & INSTRUMENTS



205, Azad Nagar, Behind Shiv Mithan Bhandar,
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Scientific Laboratory Equipment's

CEI:1:- Refrigerated Centrifuge Rectangular (Research)

4000 to 5000 R.P.M. fitted with electronic solid state speed regulator top cover made of transparent acrylic sheet cord & plug

Capacity	Price/Each
a) 8x 15 ml Tubes (Digital Controller)	

OPTIONAL:-
i). Automatic Timer Manual
ii). Automatic Timer Digital
iii). Speed Meter Manual
iv). Speed Meter Digital



CEI:2:- Rectangular Muffle Furnace

Outer Shell made out of thick mild steel duly finished in attractive stoving enamel/powder coated paint. Fitted with grooved refractory for supporting the heating elements made out of Kanthal wire and are easily replaceable. Maximum temp. 1000°C and working temp. 900°C controlled by energy regulator. Complete with indicators, pyrometer, thermocouple, thermal fuse etc, Workable on 220VAC 50Hz single phase.

Muffle Inner Size in mm	Inches	Price With Digital temp.
a). 225 x 100 x 100	(9" x 4" x 4")	
b). 250 x 125 x 125	(10" x 5" x 5")	
c). 300 x 125 x 125	(12" x 5" x 5")	
d). 300 x 150 x 150	(12" x 6" x 6")	
e). 300 x 200 x 200	(12" x 8" x 8")	
f). 350 x 175 x 125	(14" x 7" x 5")	
g). 475 x 175 x 125	(19" x 7" x 5")	
h). 450 x 225 x 225	(18" x 9" x 9")	



Manufacturing & Suppliers:

* Air Conditioner & Refrigeration Lab * Kitchen equipment's * Mechanicals Engg. * Hospitals Medical & Surgical*

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CEI :3:- Hot Plates:-

Body is fabricated out of thick mild steel sheet duly finished in white stoving enamel/powder coated paint with mat finished colour combinations. The hot plate made of cast iron & smoothed duly finished in heat resistant black paint if firmly mounted on the body. Heavy duty heating elements are securely layed under the plate to operate on 220V AC 50 HZ single phase. Temp is controlled by rotary switch//energy regulator as per demand.



a). Hot Plate: (ROUND) Single	
Specification as above with 20 cm (8") dia. Moulded top/SS sheet top.	
b). Hot Plate: (ROUND) Double	
Specification as above but with Two plates of 20 cm (8") dia.	
c). Hot Plate (COIL TYPE)	

CEI:4:- De-Humidifier (M.S Body)

(Fitted with time controlled safety device in, case humidity controller fails, for safety of the compressor)

These are water condensing type, based on

Refrigeration Cycle to avoid use of expensive chemicals required for desiccant type models. The unit is self standing and is mounted on a study angle iron frame. Fitted with castor wheels. It removes excess moisture from the atmosphere and Is fitted

with hermetically sealed compressor. Heat exchanger

and water condensing coils are made of copper. Water collection tank is provided below the unit is collect condensate water. Humidity is controlled by HUMIDITY

CONTROLLER is corporate in the unit, up to 30% \pm 30% RH, depending upon the

ambient conditions. To achieve very low humidity, the room should have a independent window type air conditioner to much with the dehumidifier heat load in

the room. Suitable to work on 220/230volts A.C. supply.



Model A.C Type	M.S Body	S.S Body
a) A.C Type		
b)Vertical Type Body		

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Optional (Extra Cost):- Automatic Voltage Stabilizer 4.0 KVA

CEI:5:- Shaking Machine (Wrist Action)

Heavy cast iron base with sturdy construction with two arms for holding flasks. A heavy duty fractional motor with variable speed through continuously variable speed controller is provided. The holder can hold flasks of capacity 100 to 1000ml. Supplied complete with cord & plug etc. To work on 220V AC 50Hz single phase. Speed 80-280 oscillations per minute.



Capacity of holding	Flasks	Price
A)	4 Flasks	
B)	8 Flasks	
C)	12Flasks	
OPTIONAL:- i). Automatic 0-60 minutes timer.		

CEI:6:-Rotary Shaker (Platform Type):-Body made

out of thick mild steel finished in stoving enamel/powder coated paint. Heavy duty motor of suitable capacities are provided for long duration operations. Fixed speed and variable speed models are offered. Platform is provided with rubber disc or stainless steel clamps to hold flasks. To work on 220V AC 50Hz single phase. The choice available are:-



Platform Size	Holding Cap.	Motor HP
a) 45 x 45cm	25 flask of 100	0.25
b) 45 x 45cm	36 flasks of 50ml	0.25
c) 45 x 45cm	15 flasks of 250ml	0.25
d) 55 x 55cm	25 flasks of 250ml	0.25
e) 65 x 65cm	36 flasks of 250ml	0.25

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CEI:7:-Centrifuge Rectangular (Research)

4000 to 5000 R.P.M. fitted with electronic solid state speed regulator top cover made of transparent acrylic sheet cord & plug.



Capacity	Price
a). 4 x 14ml tubes.	
b). 6 x 14ml tubes.	
c). 8 x 14ml tubes.	
d). 12 x 14ml tubes.	

OPTIONAL:-	Price
i). Automatic Timer (Manual)	
ii). Automatic timer (Digital)	
iii). Speed meter (Manual)	

CEI:8:-Magnetic Stirrer with Heating System

It has a compact stirring device utilizing magnetic field (Created by a PERMANENT MAGNET) which induces variable speed stirring action. Stirring is accomplished by mean of small Teflon rotor, which when placed to be stirred is capable of rotation by magnetic field applied from below the Container. The unit is fitted with pilot lamp. Works on 220/230 volts A.C.



Capacity
i). 1 Liter
ii). 2 Liter
iii). 5 Liter

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CEI:9:-Laboratory Stirrer

The motor stirrer having maximum speed up to 4000 r.p.m. Unit is clamped to C.P. rod fitted on a Heavy cast iron base. The height and angle of the stirrer can be adjusted according to the requirement. Variable speed motor with 1/20 H.P. Regulator is fitted with S.S. stirrer rod to give smooth and noiseless operation.



Price
OPTIONAL:- i). Automatic 0-60 minutes Timer

CEI:10:-Melting Point Apparatus

For determination of melting points up to 350° c. The mounted block is illuminated from below by A lamp fixed in its housing. The aluminum block accepts three capillary tubes and mercury there Momentary. The temperature is regulated by energy regulator fitted to the unit. The lamp provides Uniform and shadows less light, regulator fitted to the unit. Supplies without capillary tubes and Thermometer.



Price

CEI:11:-Medico / Clinical Centrifuge

Electrical operated dome type sturdy stable heavy body with resiliently mounted motor working on 220V AC 50Hz single phase for vibration free performance with built in 5-speed regulator and non-removable swing out rotor. Complete with tube carries. Maximum speed 3500 RPM. Neatly finished in stoving enamel.



Capacity
a). 4 x 15ml tubes.
b). 6 x 15ml tubes.
c). 8 x 15ml tubes.
OPTIONAL: -
i). Automatic 0-60 minutes timer.

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CEI:12:-Environmental Chamber Humidity Cabinet (Temperature Control/"Digital")

General specification as GE 148 but with added specification for low temp. Control & humidity . The inner working chamber is made out of stainless steel. The temperature can be controlled from 10°C to 60°C \pm 2°C and humidity from 55% to 95% \pm 5% RH Temperature below ambient is controlled by hermetically sealed compressor complete with accessories provided below the unit. Two stainless steel water reservoirs heated by immersion heaters are provided to create humidity. Complete with all accessories. Control panel provided with control switches and indicators.



Chamber Size in mm (WxDxH)	Capacity (Approx.)	Price
a) 455 x 455 x 455mm	95ltrs.	
b) 455 x 455 x 710mm	147ltrs.	
c) 605 x 605 x 605mm	225ltrs.	
d) 605 x 605 x 910mm	335ltrs.	

OPTIONAL:-

- i). Hygrometer (Humidity Indicator).
- ii). Digital Temp. controller-cum- indicator.
- iii). Microprocessor PID digital Temperature Indicator-cum-Controller.
- iv). Automatic electronic controller with digital display for Temp. & Humidity combined.

CEI:13:- Humidifier Capacities: 3 Liters

Humidifier is basically an Atomizing Humidifier of splash plate rotating disc type. Designed to give relative humidity as high as up to 95% RH in enclosed areas. Humidifier is a portable unit body made of aluminum/Stainless steel. Capable of atomizing up to three liters of water in an hour at full evaporation in the driest possible ambient conditions. Provided with automatic float valve assembly to work on 220VAC.



Capacity:	Price
5 liters.	
<u>OPTIONAL:-</u> i). Contort box with Humidistat for controlling humidity.	

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CEI:14: -Fume Hood

Made of sun mica clad thick wooden board and sun mica clad working top. The unit has frame at front fitted transparent flexi glass and has an arrangement for keeping the door open if desired. Fitted with U.V. Germicidal light and one Fluorescent tube.

Working Area	Price
a).4'x 2.6x 4'	
OPTIONAL:-	
i). Exhaust System	
ii). Stainless Steel Top in lieu of Sunmica top.	
Note :- Fume Hood Stainless Steel Available Here.	



CEI:15:-Serological Water Bath (Thermostatic Water Bath)

Temperature range from ambient temperature to 80° C. Thermostatic control with accuracy of $\pm 0.5^{\circ}$ C to 1° C. Double walled, inside stainless steel and outside mild steel painted in epoxy powder coating. Bath consists of two pilot lamps. Temperature control knob and on/off switch. To work on 220/230 volts A.C. Supplied with or without stirring arrangement, without racks and thermometer. Lid of water

Bath is made of stainless steel sheet.

Size inside Chamber	Capacity (Approx)	Price
a). 300x175x175mm	12 ltrs.	
b). 300x250x175mm	14 ltrs.	
c). 375x300x175mm	18 ltrs.	
d). 455x300x175mm	25 ltrs.	
e). 605x300x175mm	32 ltrs.	



OPTIONAL:-	
i). Digital temp. indicator-cum-Controller.	
ii). Microprocessor PID digital temp. indicator-Cum-Controller.	
iii). Stirrer with 1/20 H.P. high speed motor with stainless steel stirring rod and blade.	
iv).Digital temp. Indicator.	

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CEI:16:-Water Bath Rectangular (Thermostatic Control) Double Wall

Temperature range from ambient temperature to 95° C.
Thermostatic control with an accuracy of $\pm 1^{\circ}\text{C}$. Double walled,
inside stainless steel and outside mild steel sheet painted in epoxy
powder coating. Top of the bath and concentric rings of stainless
steel. To work on 230/230 volts A.C.

Size inside S.S Sheet	Capacity	Hole's of Bath
a) 300x250x100mm	8 ltrs.	6 holes of 75mm dia.
b) 335x405x100mm	15 ltrs.	12 holes of 75mm dia.



CEI:17:-Heating Mantels

It withstands high temperature up to 350°C. The body of the mantle is spun
in one piece from non-rusting aluminum (Up to 5.0 liters capacity) duly
finished in white stoving enamel/powder coated paint with mat finished
colour combinations. All heating mantles are lagged with special grade
mineral wool. Works on 220/230 Volts A.C.

Capacity	Wattage
50ml	60
100ml	60
250ml	150
500ml	200
1 Liter	300
2 liters.	450



CEI:18:-Orbital Shaking Incubators cum -B.O.D. Incubator

Standard double wall Construction. Outer Chamber made out of mild steel finished in
white stoving enamel/powder coated paint with mat finished Colour combinations. Inner
chamber made of stainless steel sheet. The double door is provided with double glass full
view window. Interchangeable platform has been provided. Temperature range 5°C above
ambient to 60°C controller with light arrangement. Variable speed control regulator
controls the speed up to 200rpm supplied complete to work on 220V AC 50Hz single
phase. Capacity 16x500ml conical flasks.

a).Capacity 16 x 250 ml. flax temp. 5° above ambient 60°C.
b) Capacity 16 x 500 ml. Flax temp. 5° above ambient 60°C.



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OPTIONAL:-

- i). Timer 0-24 hours day night cycle.
- ii). Digital temp. Indicator-cum-Controller.
- iii). Microprocessor PID Digital temp. Indicator-cum-Controller.
- v). Automatic Voltage stabilizer 3-5 KVA (recommended –must).

CEI:19-Incubators Bacteriological

Standard double wall fabrication. Inner Chamber made out of richly anodized aluminum or highly polished stainless steel sheet and outer made out of thick mild steel sheet finished in white stoving enamel/powder coated paint with mat finished Colour combinations. Double wall door with double glass window for observation the chamber. Temperature range 5°C above ambient to 80°C \pm 1° C controlled by a thermometer. The equipment is workable on 220 VAC 50 Hz single phase.



Chamber Size in MM	inches	Shelves	Capacity	AL Chamber	SS Chamber
a). 300 x 300 x 300	(12"x12"x12")	2	28lrs.		
b). 350 x 350 x 350	(14"x14"x14")	2	45 ltrs.		
c). 400 x 400 x 400	(16"x16"x16")	2	65 ltrs.		
d). 450 x 450 x 450	(18"x18"x18")	2	95 ltrs.		
e). 600 x 600 x 600	(24"x24"x24")	2	224 ltrs.		
f). 900 x 600 x 450	(36"x24"x18")	2	252 ltrs.		
g). 900 x 600 x 600	(36"x24"x24")	2	336 ltrs.		
h). 900 x 900 x 900	(36"x36"x36")	3	480 ltrs.		

OPTIONAL:-

- i). Air Circulating fan.
- ii). Timer 0-24 hours.
- iii). Digital Temp. Indicator-cum-controller.
- iv). Microprocessor PID Digital temp. Indicator-cum-controller.
- v). Digital Temp. Indicator.

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CEI:20:- Hot Air Universal Oven (Memmert Type)

(Three side heating elements)

Standard double wall fabrication, Inner chamber made of richly anodized aluminum or highly polished stainless steel sheet. Exterior fabricated out of thick milled steel duly finished in white stoving enamel/Powder coated paint with mat finished Colour combinations.

Kanthal wire heating elements provided on three sides to attain quick and uniform heating in range of 50° C to 250° C \pm 2° C, controlled by capillary type thermostat. L-Shaped thermometer is built-in type. Control panel is provided with selector switch of high or low rates of power thermometer control Knob and indicator for mains & thermostat. Supplied with cord and plug. The equipment is suitable to operate on 220 VAC 50Hz single phase



Chamber Size in MM	inches	Shelves	Capacity	AL Chamber	SS Chamber
a). 300 x 300 x 300	(12"x12"x12")	2	28ltrs.		
b). 350 x 350 x 350	(14"x14"x14")	2	45 ltrs.		
c). 400 x 400 x 400	(16"x16"x16")	2	65 ltrs.		
d). 450 x 450 x 450	(18"x18"x18")	2	95 ltrs.		
e). 600 x 600 x 600	(24"x24"x24")	2	224 ltrs.		
f). 900 x 600 x 450	(36"x24"x18")	2	252 ltrs.		
g). 900 x 600 x 600	(36"x24"x24")	2	336 ltrs.		
h). 900 x 900 x 900	(36"x36"x36")	3	480 ltrs.		

OPTIONAL:-

i). Air Circulating fan.

ii). Timer 0-24 hours.

iii). Digital Temp. Indicator-cum-controller.

iv). Microprocessor PID Digital temp. Indicator-cum-controller.

v). Digital Temperature Indicator.

Note: Please ask for other capacities of your requirement.

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CEI:21:- Tray Dryer

Standard sturdy double wall fabrication. Inner & outer Chamber made out of thick mild steel sheet. Inner Chamber backed silver paint finish and exterior finished in hammertone. Heavy duty forced air blowers are provided to constantly circulate hot air to achieve uniform temperature in the whole Chamber. Double wall door is mounted on heavy and provided with heavy Moulded latch.

Temperature is controlled by a thermostat and it can be read on dial type thermometer. Temperature range: 50° C to 250° C to 5° C and equipment is workable on 220 VAC 50 Hz phase or 440 volts A supply.



Chamber Size in MM	Tray Capacity	Inner S.S.	Inner M.S.
a). 430 x 840 x 650	8 trays of 16"x32"x1¼ size.		
b). 430 x 840 x 910	12 trays of 16"x32"x1¼ size.		
c). 910 x 840 x 910	24 trays of 16"x32"x1¼ size.		
d). 960 x1270x 1450	48 trays of 16"x32"x1¼ size.		
e). 960 x1700x 1700	96 trays of 16"x32"x1¼ size.		

OPTIONAL:-

i). Timer 0-24 hours.

ii). Digital Temp. Indicator-cum-controller.

CEI:22:-Drying Oven Industrial

Standard sturdy double wall fabrication. Inner & outer chamber made out of thick mild steel sheet. Inner Chamber backed silver paint finish and exterior finished in hammertone. Heavy duty forced air blowers are provided to constantly circulated hot air to achieve uniform temp. In the whole chamber. Double wall door is mounted on heavy hinges and provided the heavy Moulded latch.

Temperature is controlled by a thermostat and it can be read on dial type thermometer. Temperature range; 50° C to 250° C \pm 2° C to 5° C and equipment is workable on 220VAV 50 Hz single phase pr 440 volts AC supply.



Chamber size in mm(H x W x D)	InchesApprox.	Price
a). 900 x 600 x 600mm	(36"x24"x24")	
b). 1200 x 900 x 600mm	(48"x36"x24")	
c). 1500 x 900 x 900mm	(60"x36"x36")	
d). 1800 x 1200x900mm	(72"x48"x36")	

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OPTIONAL:-

i). Timer 0-24 Hours.

ii). Digital Temp. Indicator-cum-controller.

iii). Digital Temp. Indicator.

Note: Please ask for other capacities of your requirement.

CEI:23:-Plant Growth Chamber (Small)

Inside made of stainless steel sheet. Outside mild steel sheet with finished in white stoving enamel/powder coated paint with mat finished colour combinations. Fitted with cooling, heating and lighting arrangements. Temperature range 5° C to 50°C± 1°C. Temperature can be obtained from 15°C to 50°C ± 1C when all lights from two sides and top are 'ON'. Temperature is controlled by DUAL temperature electronic digital temperature controller-cum-indicator to set two temperatures for day and night.

Above Growth chamber is complete with humidity control from 55% to 95% RH. Light intensity can be adjusted controller according to requirement and humidity shall be controlled by humidistat. Complete with 0-24 hrs. Timer to work on 220/230 volts 50 cycles A.C. only.



Size (W x H x D)	Capacity in cu.ft	Capacity in Liters.	Al Chamber	S.S Chamber
a) 570 x 875 x 550mm	10 cu.ft.	280 Ltrs.		
b) 775 x 900 x 775mm	20 cu.ft.	560 Ltrs.		
c) 825 x 1200 x 825mm	30 cu.ft.	840 Ltrs.		
d) 900 x 1720 x 800mm	45,8 cu.ft.	1282 Ltrs.		

OPTIONAL:-

i). Electronics Digital Indicator cum Humidity Controller and Temperature Controller.

ii). Microprocessor PID digital temp. Indicator cum Controller.

iii). Automatic Voltage Stabilizer (Recommended).

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CEI:24:-Seed Germinator (Single Chamber)

Temperature range 5°C to 50°C. Temperature controlled by Digital temperature indicator cum controller in the variation of $\pm 1^\circ\text{C}$. Chamber with 14 perforated trays. Chamber is provided with stainless steel water reservoir at bottom. Humidity from 90 to 95% $\pm 3\%$ (Not adjustable) double-walled inside made of anodized aluminum /stainless steel and outside Mild steel painted in epoxy powder coating. To work on 220/230volts 50 cycles A.C. only.



Chamber Size (Chamber & trays made of anodized aluminum)		
W x H x D	Capacity	Price
i). 555 x 910 x 605 mm	308 Liters.	

Chamber & trays made of highly polished stainless steel.		
W x H x D	Capacity	Price
i). 555 x 910 x 605 mm	308 Liters.	

CEI:25:-Lypholizer (freeze Dryer)

The Unit has hermetically sealed compressor to maintain temperature upto minus 40°C . Temperature control by electronic digital cum indicator with electronic vacuum indicator. It will have secondary chamber for 6 test & 12 test.

Capacity	Test Tube	Price
a). 3.25 Liters	6 Test	
b). 5.25 Liters	12 Test	



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CEI:26:- Mortuary Chambers:-

Mortuary storage system is designed for storing cadaverous under cool condition to prevent decomposition. These are latest development in mortuary technology offering vast space saving advantage over the conventional type together with greater hygiene. Useful for hospitals, Railways & Airports etc. Double-walled with SS Sheet/pre fabricated panels for outer surface 202 and stainless steel inner chamber 304 with insulation in between. Front opening, hinged insulated doors lined with magnetic gasket, handle and lock arrangement with keys in duplicate for individual dead bodies.



Trays to carry dead bodies with handles at both ends, travel on rollers fitted for easy movement. To avoid any moving part inside the cabinet, for easier maintenance and cleaning refrigeration unit is kept outside the chamber and fixed at rear. Temperature range Ambient temperature 35°C to 2°C . is maintained by hermetically sealed compressor unit and is controlled by an automatic electronic solid state digital temperature controller cum indicator.

Compressor :- Suitable hermetically Sealed make Emerson Copland ,Tecomseh India. Copper tube:- fins type coil with copper tube.

Panel :- Top mounted fitted with box & name plate. Digital Temperature controller, Amp. Meter, Volt Meter, On /Of Rotary Switch.

Inner Body SS 304, Outer Body SS 202 & Stainless Steel Removing Tray.

Exclusive:-

Temperature controller is mounted on front panel, provided on front top, along with pilot lamp, main switch etc. Supplied complete with trays, cord and plug. Suitable to work on 220V, single phase, 50Hz, Ac supply.

Size	Temperature	Price Outer MS	Price Outer SS
Two Bodies	2°C to 5°C		
Three Bodies	2°C to 5°C		
Four Bodies	2°C to 5°C		
Six Bodies	2°C to 5°C		

Manufacturing & Suppliers:

*** Air Conditioner & Refrigeration Lab * Kitchen equipment's * Mechanicals Engg. * Hospitals Medical & Surgical***

TIN: 06491045976

M/S CHHABRA ENGINEERS & INSTRUMENTS



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CEI:27:- Oil Bath (High Temperature) with Stirrer

Double Wall Construction. Inner Chamber made of highly polished stainless steel sheet and the outer is made of mild steel duly finished in white stoving enamel/powder coated paint with mat finished colour combinations. Temperature range 50° C to 250° C is controlled by a thermostat. Supplied complete with stirrer, diffuser shelves, cover etc.



Chamber Size in mm	Chamber size in inches Approx.	Price
a). 250x250x250mm	(10"x10"x10")	
b). 300x300x250mm	(12"x12"x10")	
c). 350x350x250mm	(14"x14"x10")	

OPTIONAL:-

- i). Mercury contact thermometer and relay with accuracy better than 1°C.
- ii). Digital temp. Indicator-cum-controller.
- iii). Microprocessor PID digital temp. Indicator-cum-Controller.
- iv). Digital temp. Indicator.

CEI:28:-Water Bath Incubator Shaker (Metabolic Shaking Incubator)

Temperature range from room temperature to 95°C. Thermostatic control with an accuracy of $\pm 1^\circ\text{C}$. Double walled, inside made of stainless steel and outside mild steel sheet, painted in epoxy powder coating, Oscillating tray is riding on ball rollers. Shaking speed range 40 to 140 r.p.m. Shaking tray can hold either test tubes or flask of 25ml, 50ml, 100ml. To work on 220/230 volts A.C. without R.P.M. Indicator.



Shaking Tray Size (S.S)	Capacity (Approx.)	Price
a) 275 x 275 x 150mm	12 ltrs.	
b) 405 x 300 x 150mm	18 ltrs.	

OPTIONAL:-

- i). Digital temp. Indicator.
- ii). Digital temp. Indicator –cum-Controller.
- iii). Microprocessor PID Digital Temp. Indicator-cum-Controller.
- iv). Shaking tray for 25ml, 50ml, 100ml, 250ml, 500ml, 25mm dia. Test tubes or conical flasks.

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CEI:29:-Walk - In - Incubators

Designed for vast number of incubation applications. Can be installed even in hallway room or wherever Convenient. Design feature includes feature includes enameled mild steel sheet exterior. Aluminum / Stainless steel, Interior ventilators, internal lighting, exhaust fan etc. Suitable insulated 300 mm sq. inspection window at the door permits inside view with -out opening the door. Complete with panel. Pre fabricated at factory assembled at site. Complete with cord and plug to work on 220V single phase 50 Hz AC supply. Temperature range from 5° C above ambient to 60° C \pm 1°C. Controlled with humidity up to 95% \pm 5%.



Available Sizes (W x H x D)	Price
a) 1.1x 2.3x1.1 meter.	

CEI:30:- VacuumOven

Double Walled construction, Inner round chamber made out of stainless steel, exterior made out of mild steel duly finished in white stoving enamel/powder coated paint with mat finished colour combinations. Temperature range 50° C to 130°C. The body capable of withstanding vacuum of 760mm hg. Workable on 220VAC 50 Hz single phase. Supplied without vacuum pump.



Chamber size in mm	Capacity(Approx.)	Price
a) 250 x 300 mm	12 Ltrs.	
b) 300 x 300 mm	17 Ltrs.	
c) 300 x 500 mm	40 Ltrs.	

OPTIONAL:-

- i). Digital Temp. Indicator-cum-controller.
- ii). Microprocessor PID digital temp. Indicator-cum-controller.
- iii). Digital Temp. Indicator.

CEI:31:- Water Still (Manasty type) Wall hanging Stainless Steel

Wall Hanging casted aluminum vessel is electrically operated for getting pyrogen-free distilled water automatically. Wall hanging arrangement is provided. The condenser is seamless . Fitted With automatic ejection device which operates automatically when water vessel gets dried. The baffle cup and condenser are made out of thick stainless steel sheet.



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Output Capacity (Approx.)	Price
a). Output approx. 2/3 liters per hour.	
b). Output approx. 3/4 liters per hour.	
c). Output approx. 5/6 liters per hour.	

CEI:32:- Water Still (Barnstead type) Table Model

Stainless Steel Double Wall body.

Output Capacity (Approx.)
a). Output approx. 4/5 liters per hour.
b). Output approx. 8/9 liters per hour.
c). Output approx. 15/6 liters per hour.
d). Output approx. 25/26 liters per hour.



CEI:33:- Refrigerated Liquid Bath :

Standard Construction, inner Chamber made out of stainless steel sheet with digital temp. Controller- cum-indicator. Temperature can be controlled from range minus(-)20°C to plus(+)20°C. & (-)40°C to plus(+)20°C.

Chamber Size:	Capacity (Approx.)	Price
450x300x300mm	42 liters	
450x300x300 mm	42 liters	



CEI:34:-B.O.D Incubators:-

Double wall construction. Inner chamber made of stainless steel sheet. Supplied with three removable perforated shelves. Exterior made out of thick mild steel sheet duly finished in white stoving enamel/powder coated paint with finished Colour combinations. Outer double wall door is provided with magnetic gasket and lock & key arrangement. Inner door unbreakable acrylic transparent sheet for inspection of material in the chamber without disturbing the chamber temperature. Door operated inner illumination has been provided. Temperature



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working. Inner air circulating system is provided to achieve uniform temperature. A control panel is provide with various indicators, on-off switch. Digital Temperature Control . Supplied with cord and plug etc. To work on 220VAC Hz single phase.

Inner Chamber Size in mm	Capacity In Cu. Ft.	Capacity (Aprox)	Al Chamber	S.S Chamber
a) 455x410x610	4 Cu. Ft.	112 Ltrs.		
b) 505x415x830	6 Cu.Ft.	171 Ltrs.		
c) 565x565x865	10 Cu.Ft.	280 Ltrs.		
d) 650x580x900	12 Cu.Ft.	336 Ltrs.		
e) 700x650x900	15 Cu.Ft.	420 Ltrs.		

Complete With:-

- i) Digital Temp Indicator com controller
- ii) Manual Volt meter + Amp. Meter + On- Off Switch
- iii) Automatic Voltage Stabilizer (**Optional** Extra cost)

CEI:35:-Blood Bank Refrigerator:-

Blood Bank Chamber is a most versatile is made up of stainless steel sheet and outer of mild steel sheet duly powder coated paint. Caster wheels provided for easily mobility. The temperature, for storing blood bottles or blood bags. Temperature is controlled by temperature controlled-cum indicator and triggers the AUDIOVISUL ALARAM in the event of fluctuation exceeding permitted tolerance. Unit is also fitted with DOOR OPERTED ALARAM and POWER SUPPLY FAILURE ALARAM, as a safety devices.



A highly efficient refrigeration system consists of hermetically sealed compressor, for high performance cooling coil runs all around the cabinet to maintain uniformity of temperature,

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The entire refrigeration unit is housed at bottom. Two doors are provided. Inner door is of transparent acrylic sheet for easy viewing inside the chamber. Outer door is duly insulated for proper sealing to works on 220/230 volts A.C . Complete with chart type temperature Recorder. Automatic Electronic temp. Recorder Available Here.

Temperature range

Maintain temperature range from ambient temperature to 4°C.+ -2°C

Capacity	Price
80 Bega	
120 Bega	

CEI:36:--20°C Deep Freezer (Horizontal Type):-

Double wall construction Inner chamber made of stainless steel sheet Grad 304 . Exterior made out of thick mild steel sheet duly finished in white stoving enamel /power coated with finished Color combinations. Outer Double wall door is provide with magnetic gasket and lock & key arrangement. Hermetically sealed compressor serves refrigeration unit to maintain temperature range from

ambient temperature to -20°C. Temperature is controlled by electronic digital temperature controller. A control panel is provide with various indicators, on off switch. Supplied with cord and plug etc. To work on 220VAC Hz single phase.



Manufacturing & Suppliers:

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Size in Feet (L x W x D)	Capacity Approx	Outer M.S. Inner S.S sheet	Outer S.S. Sheet Inner S.S.
A) 3.5 ft. x 2 ft. x 3 ft.	150 Liters		
B) 4 ft. x 2 ft. x 3 ft.	200 Liters		
C) 5 ft. x 2 ft. x 3 ft.	300 Liters		
D) 6 ft. x 2 ft. x 3 ft.	425 Liters		

CEI:36:- Chillers Plant



Tank Capacity(In Liters)	Compressor Capacity	Outer M.S. Inner S.S.	Outer S.S. Inner S.S.
A) 250 Liters	1 Compressor of 1.5 Ton		
B) 500 Liters	2 Compressor of 1.5 Ton		
C) 500 Liters	1 Compressor of 2 Ton		
D) 1000 Liters	2 Compressor of 1.5 Ton		
E) 2000 Liters	2 Compressor of 1.5 Ton		
F) 2000 Liters	2 Compressor of 2 Ton		

CEI:37:- -40°C Deep Freezer (Horizontal Type):

Double wall construction Inner chamber made of stainless steel sheet Grad 304 . Exterior made out of thick mild steel sheet duly finished in white stoving enamel /power coated with finished Color combinations. Outer Double wall door is provide with magnetic gasket and lock & key arrangement. Hermetically sealed compressor serves refrigeration unit to maintain temperature range from ambient



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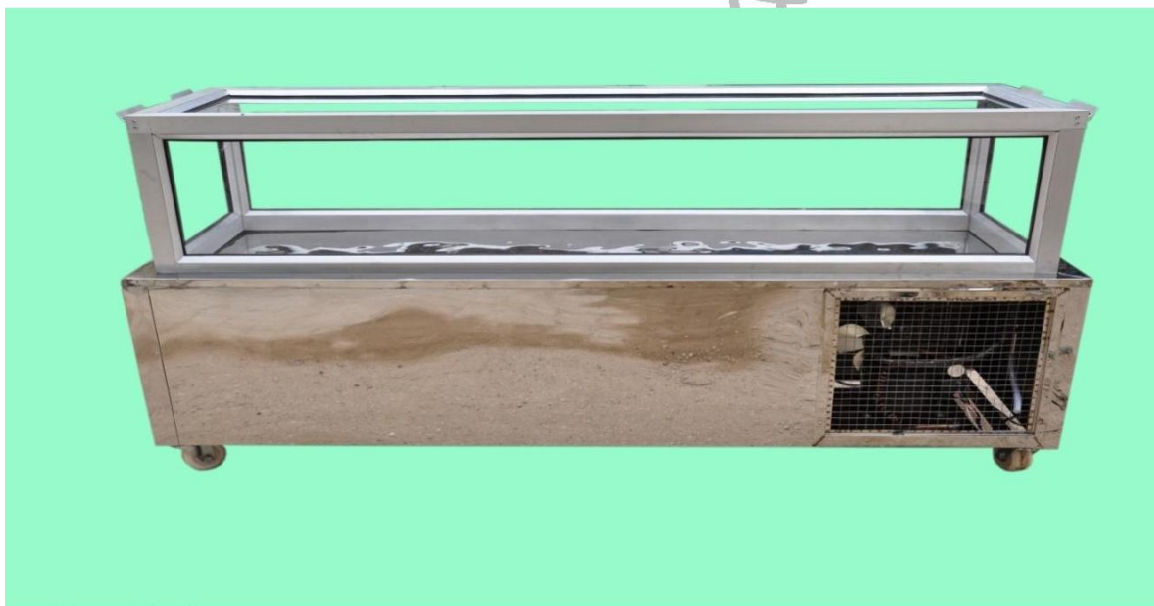
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temperature to -35°C. Temperature is controlled by electronic digital temperature controller. A control panel is provide with various indicators, on off switch. Supplied with cord and plug etc. To work on 220VAC Hz single phase.

Size in Feet (L x W x D)	Capacity Approx	Outer M.S. Inner S.S sheet	Outer S.S. Sheet Inner S.S.
A) 3.5 ft. x 2 ft. x 3 ft.	110 Liters		
B) 4 ft. x 2 ft. x 3 ft.	150 Liters		
C) 5 ft. x 2 ft. x 3 ft.	200 Liters		

CEI:38:- Single Body Mortuary Chambers :- Mortuary Chamber is Fitted by Engle Iran Stand & Wheel 's, Outer Body Stainless Steel , Acrylic Sheet Box & Aluminum Frame . Cooling Temperature 2°C To 5°C. Temperature Control By Digital Meter. Air Cooled Condenser & Hermitically Sealed Compressor.



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CEI:1:- Chapatti Warmer:-

Double wall construction . Inner chamber made of stainless steel sheet. Supplied with removable perforated shelves. Exterior made out of thick Stainless steel sheet. Outer double wall door is provided with gasket and GoliLock .control panel is provide with various indicators, on-off switch. Temperature control By Thermostat. Supplied with cord and plug etc. To work on 220VAC Hz single phase.



Note:-Available Temperature Control by digital PID controller. Price :-2500.00

Capacity	Price
400 Chapattis	
600 Chapattis	
800 Chapattis	
1200 Chapattis	

CEI:2 Rice Warmer:-

Double wall construction . Inner chamber made of stainless steel sheet. Supplied with removable perforated SS Tankki . Exterior made out of thick Stainless steel sheet. Outer double wall door is provided with gasket and GoliLock .control panel is provide with various indicators, on-off switch. Temperature control By Thermostat.



Supplied with cord and plug etc. To work on 220VAC Hz single phase.

Note:-Available Temperature Control by digital PID controller. Price :-2500.00

5kgs. Cooked Rice
10kgs. Cooked Rice
15kgs. Cooked Rice
Legs stainless steel pipe & Wheel Extra

Manufacturing & Suppliers:

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CEI:3:-Food warmer:-

Double wall construction . Inner chamber
made of stainless steel sheet. Exterior

made out of thick Stainless steel sheet. Heavy Stainless Steel
Top.control panel is provide with various indicators, on-off switch.
Temperature control By Thermostat. Supplied with cord and plug
etc. To work on 220VAC Hz single phase.



Note:-Available Temperature Control by digital PID controller. Price :-

7 lts. Each	
10lts. Each	
14lts. Each	
18lts. Each	
25lts. Each	
30lts. Each	
35 lts. Each	
40 lts. Each	

Note:- Up to 30 ltrs food warmer SS Stand Cost Extra :-

CEI:4:Atta Kneading Machine:-

We manufacture dough kneaders of different capacity viz. 10kg, 20 kg and 30kg. The dough kneaders have brake systems, which help in maintaining the speed of the vessel. It has two belts and offers soundless working, easy greasing and oiling for all parts. We provide a comprehensive range of Dough Kneader, which allows homogeneous mixing of water and flour. Manufactured using quality mild steel, it is at par with high quality standards and prevents wastage of energy & time. To ensure faster and effective kneading process, these machines are fitted with a high power motor. Moreover, our range of Dough Kneader is available in different capacities.



10kgs to 15 kgs .	Rs.	1 Hp Motor Single Phase 230 V 50Hz
20kgs to 30 kgs	Rs.	2 Hp Motor Single Phase 230 V 50Hz
10 Kgs	Rs.	1Hp Motor Single Phase 230 V 50 Hz
20 Kgs	Rs.	2HP Motor Single Phase 230 V 50 Hz
30 Kgs	Rs.	2HP Motor Single Phase 230 V 50 Hz

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CEI:5:-Patato Peeling Machine :-



The potato-peeling machine that we manufacture is made of high quality Stainless Steel Sheet & Fitted by Engel iron Stand. The aesthetically designed potato peeler is one of its kinds in the market and finds extensive usage in hotels, restaurants and food processing industries. These peeling machines are priced competitively and are available in different sizes. Emery powder stuck to the bottom disc and side portion of the drum facilitates fast peeling of potatoes. Simple locking mechanism in the door ensures easy discharge of material. Easy removal of peeled skin due to water circulation provision

5kg at a time	made of full body Stainless Steel
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10kg at a time	made of full body Stainless Steel
----------------	-----------------------------------

CEI:6:-Vegetable Cutting Machine:-

Slicing Machine 40-60 kg.per Hour with ½ HP Motor
with 3 different blades attachments



3 Blades	Price
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5 Blads	Price
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CEI:7:- Wet Grinder:-

Our company offers an exclusive range of Wet Grinder, which is manufactured using quality standards material. Our Wet Grinder is known for its good quality and durability.

2Ltrs. With ¼ HP Motor

3Ltrs. With ½ HP Motor

5Ltrs .with ¾ HP Motor

7Ltrs with 1HP Motor



CEI:8:- PULVERIZER :-

Price:



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CEI:9:- MEAT MINCING MACHINE :-

These mincers are instrumental in mincing meat efficiently and at fast speed. We design these mincers using highly advanced technology and superlative components, which are obtained from the certified sources of the market. Our offered mincer is applicable in hotels, meat industries and restaurants. This Meat Mincer is provided to our clients in two models of capacities 70 kg/hour and 120km/hr.



1 HP Crompton Motors

CEI:10:- Heavy Duty Mixi

Electric Motor 1/2HP continuous rating 1Hrs.

Bowl is made of stainless steel cover having capacity 3 Litres .

Motor has been covered in stainless steel sheet cover.

It is used to grind wet. Masala for Subzi/Dal, Meat Masala, Chatney etc...

3 Liter



CEI:11:- Chapatti Plate cum Puffer:-

We have set up a state of the art manufacturing plant, that enables us to manufacture and export high performance Chapati Plate Cum Puffer. This appliance is used to make uniform sizes of chaptties.

Our offered puffer is instrumental in hotels and restaurants. We manufacture these equipments using premium quality of raw materials that are sourced from the authentic vendors of the market. The provided appliance can be also custom made

according to the requirements of the customers. Our Chapati Plate Cum Puffer is provided to the customers within the stipulated time frame.



Size	36''*24''*34''	M.S Body	S.S Body
Size	48''*24''*34''	M.S Body	S.S Body

CEI:12:- Two Burner Gas Range:-

These Two Burner Gas Range are made from very high quality raw material which ensures hassle free work performance at its user end. These Two Burner Gas Range are widely finds its applications in various sectors.

Price :-



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CEI:13:- KERO/DIESEL BHATTI:-

Funnel with long pipe fitted in the centre Which will act as a heater for kero/diesel burner model. Funnel for pouring water manually or through direct main pipe line.



	Bloor Size
kero/diesel bhatti	40 No.
kero/diesel bhatti	60 No.
kero/diesel bhatti	80 No.

CEI:14:- HAMAM M.S BODY WITH KERO/DIESEL BHATTI

Double walled .Glass wool insulation. Funnel with long pipe fitted in the centre Which will act as a heater for kero/diesel burner model. Funnel for pouring water manually or through direct main pipe line



Capacity	Hamam Price	Bhatti Price
300Ltrs.kero/diesel bhatti		
500 Ltrs.kero/diesel bhatti		

CEI:15:- AIR CURTAIN

(Size also available as per order)

RPM – 1400	3 feet
AIR VELOCITY – 15-17 Mts/Sq.4 feet	



AC SHOWROOM S	CLINICS	AUDITORIUMS	COLD STORAGES
RESTAURANTS	OPERATION THEATRES	AIRPORTS	BREWRIES
Unit Canteen	HOSPITALS	OFFICES	M ILK PLANTS
Conference Room	NURSING HOM ES	BANKS	COM PUTER CENTERS

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CEI:16:- Popcorn Machine:-

The machine is special design with attractive aesthetic for table shop. Machine has specially design stirrer, which improve production and reduces wastage. In a single batch 500 gm grains can be charged. Machine is used to make popcorn of maize, millet, bajara. rajgiri, jawar material is used with tasty masala

Dimensions and Features :	
Cabinet without glasses	Price
Do not leave kettle with salt	
Gear Box greasing once in 6 months	
Element load 1800W	



CEI:17:-LiptonTea

Features	
Option of 8 ingredients	
Staggered dispensing option for tea bag	
Dispensing rate-5 cups/min (100ml each)	
Temperature interlocking	
Auto cleaning	
Water Source- Bubble top	
Option for Cappuccino/ Mocha drinks	
Double line	
Triple line	



CEI:18:-Coffee Machine :-Possessing an eye for precision, we are efficiently manufacturing and exporting throughout the world a high quality range of Coffee Machine. These machines are designed from high grade raw materials that are sourced from the authentic vendors of the market. The offered machines are available for the customers in different sizes and capacities, dispensing number of coffee cups. Our offered machines are largely demanded by restaurants, offices, and corporate offices. This Coffee Machine is widely acclaimed among the clients for its extremely low costs, as compared with other similar market availabilities.



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CEI:19:- Sandwich Griller:- We are persistently striving to sustain our high credibility in the industry by manufacturing and supplying Sandwich Griller. Our offered grillers are designed with the use of premium quality raw materials, which are obtained from the reliable sources of the market. The offered griller is used in restaurants and hotels to make tasty sandwiches. These grillers are available in market for clients in different models like single jumbo and double jumbo. Our Sandwich Griller is quality tested on standard parameters and then only offered to clients at the feasible prices.



CEI:20:- Gas Tandoor

Delux Tandoor	27"*20"
Medium Tandoor	31"*24"
King Tandoor	34"*30"
Super King Tandoor	36"*36"
Jumdo Model Tandooer	40"*36"



CEI:21:- Steam Cooking System

Steam generator is LPG operated fitted with pressure gauge water level,

safety point & safety valve. Stainless Steel vessels with titting facility and drain valve....



Price :- 3 Vessels 60 ltrs/per vessel :-

4 Vessels 60 ltrs/per vessel :-

CEI:22:- WATER COOLER :-

Water Cooler .Outer Body & Inner Chamber of Stainless Steel Sheet.

Tank Capacity 60 ltrs.Cooling Capacity 40ltrs.
Tank Capacity 80 ltrs.Cooling Capacity 60ltrs.
Tank Capacity 100 ltrs.Cooling Capacity 80ltrs.
Tank Capacity 120 ltrs.Cooling Capacity 100ltrs.
Tank Capacity 170 ltrs.Cooling Capacity 150ltrs.
Tank Capacity 180 ltrs.Cooling Capacity 200ltrs.



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CEI:23:- WATER DISPENSER

Hot & Cold Water Dispenser with Refrigerator
(Carrier, Voltas, Blue star)



CEI:24:- DEEP FREEZER

Deep Freezer /Bottle Cooler .Outer Body Stainless Steel . Inner Chamber of SS Sheet

Size in ft.	Liters	Price
4ft *2ft.*3ft	200Ltrs.	
5ft *2ft.*3ft	300Ltrs.	
6ft *2ft.*3ft	425Ltrs.	



CEI:25:- IDLI STEAMER

50 IdlisRs.	1850.00
60 IdlisRs.	2050.00
70 IdlisRs.	2500.00
80 IdlisRs.	2800.00
100Idlis Rs.	3100.00



CEI:26:- CHARIN DISH:-

5 Liters Rectangular
5 Liters Round
3 Liters Round
3 Liters Rectangular



CEI:27:- CHAFIN DISH ROLL TOP LID:-

5 Liters Rectangular
5 Liters Round



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CEI:28:- WATER DISTILLATION PLANT

Capacity 4 Ltrs .Per Hour Stainless Steel



CEI:29:- RIFLE CLEANER

Steam Generator for Rifle Cleaning Electric

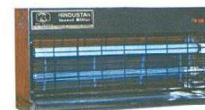


CEI:30:- Insect Killer with 2 Tubes of 2 ft.

Iron Powder Coated Body

Stainless Steel Body

Aluminum Body



CEI:31:- Heat Pillars

I. ELEGANT

Dimension	88(H)*31(W)*31(D)cm
Voltage	220-230 V AC 50HZ
Watts 1Tube	750Watts
2 tube	1500 Watts
Oscillation Speed	5-8 rpm
Fan	10 cm properller with 2400 rpm

SUPER

Dimension	93(H)*35(W)*31(D)cm
Voltage	220-230 V AC 50HZ
Watts 1Tube	750Watts
2 tube	1500 Watts
Oscillation Speed	5-8 rpm
Fan	10 cm properller with 2400 rpm



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CEI:32:- SHOE SHINE MACHINE

Motor 220V AC.900rpm.

An infrared system is used to automatically trigger off the shoe shine machine as soon as the shoe is inserted into it. The soft brush starts rotating automatically removing the dust from the shoe. The shoe is pressed against the nozzle of the cream polish dispenser. The shoe is then held against the black or brown brush as per the shining brightly.

Black Body

Stainless Steel Body



CEI:33:- KERO & GAS HEATER

Capacity 4.2 Liters (Imported)

Gas Heater



CEI:34:- Heavy Duty Laundry Machine

Capacity 22-27 assorted clothes	Price
Motor 0.5 HP	
Rotor Size 21" x 27"	
Stainless Steel Rotor & Inner Tank	

Capacity 35 assorted clothes	Price
Motor 2 HP	
Rotor Size 24" x 30"	
Stainless Steel Rotor & Inner Tank	

Capacity 45 assorted clothes	Price
Motor 2 HP	
Rotor Size 24" x 30"	
Stainless Steel Rotor & Inner Tank	



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CEI:35:-Hydro Extractor (Drier)

Capacity 15 to 20 assorted clothes	Price
Motor 0.5 HP	
App. Dimension 20" * 24"	
Stainless Steel Spinning Drum 12" * 15"	

Capacity 25 to 30 assorted clothes	Price
Motor 2 HP	
App. Dimension 24" * 24"	
Stainless Steel Spinning Drum 12" * 18"	



CEI:36:-Jungle King Four Wheel Type Lawn Mower:-

Jungle king four wheel type lawn mower machine
Crompton Motor. 230 V 50 Hz. Single phase .

Size 16' 2 HP Crompton Motor.



CEI:37:-PavBhaji Counter :-

We are a well known organization, which is able to offer **PavBhaji Counter**. The offered range is developed utilizing optimum grade stainless steel and allied, sourced from reliable vendors of the market. In addition to this, the offered range is suitably checked on different characteristics to maintain its authenticity throughout the designing process. The offered range is known for its operational efficiency.

Size	Price
4ft. X 2ft.	
5ft. X 2ft.	



CEI:38:-Golgappa / Chat Counter :-

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Our Enterprise is an eminent manufacturer and supplier of an extensive collection of golgappa chat counter. Offered counter is designed using high quality factor inputs as per the international quality parameters. This counter is extensively used by food processing vendors, hotels and restaurants for the purpose of maintaining the hygiene of chat. Our Offered counter has earned broad admiration for features like good space capacity, sturdy structure, durability, dimensional accuracy, etc.

4ft without cooling :-

4ft with cooling :-

CEI:39:-Display Counter:-

Hermetically sealed compressor make Emerson Copland. Tecumseh India.
C, J glass

Size	Outer & Inner SS
4ft	
5ft	

CEI:40:- Sweet Corn Counter:-

We are one of the leading manufacturers and suppliers of sweet corn machines. Fabricated from finest quality raw material, these machines are known among our worldwide clients for their precise dimension, high tensile strength and long service life.

Price :-

Table top Sweet Corn Counter

LPG Gas Sweet corn counter is available



Price :-



<u>Terms & Conditions :-</u>

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1) Instruments Delivery time minimum 8 to 10 Days by the order.

2) Full payment before delivery of the goods.

3) 50% Advance will be taken by clients as order placed.

4) Instruments Packing & Transportation Extra.

5) Vat Tex 13.125% Extra./ Otherwise C form Against 2%

6) All disputes subject to Ambala Jurisdiction only.

Bank Details:

CHHABRA ENGINEERS & INSTRUMENTS

CC A/C No.: 3989008700000707

PUNJAB NATIONAL BANK

CECIL HOTEL, G.T.ROAD Branch, AMBALA CANTT

IFSC Code: PUNB0398900

Manufacturing & Suppliers:

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