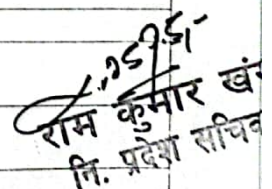


Technical Specification A

Technical Specification of Automatic Water Vending machine Plant with Kiosk

1. Water Source Management	
Water Source	Municipal Tap water / Under Ground Water
2. Water Filter System (7 stage purification/ Disinfection System)	
	Multi Grade Filter with iron removal media (MGF),- 2 stage 5 micron Sediment Filter, Activated Carbon Filter, - 2stage Ultra Filtration(UF) Membrane ,Ultra violet,Ozone Disinfection. - 3 stage
Type of Pre Filtration	
Sand Media Filter FRP Vessel	Size 10" x 54"(Qty 1)
Carbon Media Filter FRP Vessel	Size 10" x 54" (Qty 1)
Multi-Port Valve To Control Filtration And Backwash For Media Filter Having Sand & Carbon	
Type of Multi-Port Valve	Manual
Multi-Port Valve Material of Construction	ABS
Number of Multi-Port Valves	3
Ultra Violet (UV) System To Disinfect Water, Kill Bacteria And Micro-Organisms	
Material Of Construction for UV System	SS 304
Number of UV Systems	1
Number of UV Lights	1
Total UV Power	12 Watts(Minimum)
Purification Capacity of RO+UV Plant	
Type of UF Pressure Vessel/Housing	Membrane housing mounted on skid - End port type
Material Of Construction for UF Pressure Vessel/Housing	FRP or Stainless Steel
Number of UF Pressure Vessels	4040- 1No
Number of UF Membranes	4040- 1 No
5 Micron Filter with Housing NO 1	
Filter Housing Material of Construction	ABS
Size	20" x 8"
Filter Cartridge Material of Construction	PP
Size	20" X 4"
GAC/CTO Cartridge with Housing NO 1	
Filter Housing Material of Construction	ABS
Size	20" x 8"
Filter Cartridge Material of Construction	Granular Activated Carbon or CTO(BLOCK CARBON)
Size	20" X 4"
ALL PIPELINE OF FILTER UPVC FOOD GRADE	
	1 LOT
RO+ UV 6 STAGE FILTER SKID	
	SS 25 MM SQUARE PIPE(202 grade or above)
Skid should have	
Timer Control Devise for scheduled backwash of UF Membrane	1 NO
All Seven Stage Filter Components.	YES
Pressure Gauze(Upto 7KG Pressure)	2 NO
Rotameter (200LPH or Above)	2 NO
Type Of Operation	Semi-Automatic
Various Tanks	
Pure Water tank	Total Storage 300 Ltr, SS 304
Raw Water Tank 1000 Ltr HDPC Material 3 layer	1
Chiller	60 ltr SS body
Various Pumps	
Feed Pump for RO System before FRP Vessels(0.5/ 1 Hp)	1 Pc
High Pressure Pump for RO to develop required pressure for RO Pump.(1 Hp)	1 Pc
Dispensing Pump(90watt to 500 Watt as required)	2 Pcs
Warranty	
	One Year warranty against any manufacturing defects in the equipment & tank leakage Service and change of filter one year at free of cost. Service quarterly
Quality of outlet water from each dispenser of	
	Conforms to NDWQS,2079



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the Water Kiosk**3. Power System and Back Up System**

Power Source

230V 10 V AC

ELECTRICAL POINTS

(Basic Electrical Points)

01 Nos. Cabin Fan, 03 Nos. of light (LED light or Tubelights),
MCBs, Wire connections, Switches and Socktes all complete**4. KIOSK (Filter House) with Front Interface for Water Dispensing.**

Dimension of Kiosk

H 2750 mm X W 2500 mm x L 2500 MM
(L=8 ft; B=8 ft; H=9 ft.)

MOC

Cement board as walls in MS structure with 2 units of 2FT*3FT Windows for Vantilation purpose. Frontal Dispensing side will have space on cement board to accommodate a SS Plate of 2.5FT*3FT.

Dispensing Unit (2) in Stainless Steel Plate.

1 Unit Capable 20 LTS & 1 Unit Capable 2 LTR Container (Any Shape). SS Plate Size minimum H 2.5FT x L 3.0FT.

Platform with Plaster and Punning

H 1 ft x W 8 ft x L 8ft (Plaster/Punning on the floor).

MS STRUCTURE

Structure shall be made out of MS tubular Pipe Column Post [50x50x1.4mm], Wall Framing [40x40x1.2mm], Roofing Grid [50x50x1.4mm] including one coat of red oxide primer.

WALL:

Cement Board of 12mm Thick with a support of MS Tubular Pipes as specified.

FLOOR

Plaster and Punning above the RCC/PCC platform of 8FTx8FT surrounded by 4 corner MS poles.

DOOR & DOOR FRAMES

The Door frame shall be made out of MS section With a Minimum (3.5 feet x 6 feet) Outer skin of shutter: FRP or UPVC sheet with support of MS Section.

FALSE CEILING

No False Ceiling will be applied.

Bottle Space

It will be any shape of size H 22" * W 12" * D 9" NO. 1 & H 16" * W 7" * D 5" NO. 1

PAINT on MS Frame and Cement Board

Enamel Paint and Emulsion/Distemper as per choice

6. WATER KIOSK SOFTWARE for VENDING PANEL

Display Type

LED

TDS Level of Water

LED Display on Panel

Software

GSM/GPRS Based connectivity with web-based server system

Display Type

LED

System Start /Off

Yes

Quantity of Purify Water Per Day

Yes

Volume control for all Taps

YES

Different Volume Selection for separate taps

YES

Can Be Configured with Touch Switch for Free water Dispensing of Calibrated volume

Yes

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