

**Requirements of Rate for Clean Drinking Water Project**

<b>S.N.</b>	<b>Product Name</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate</b>
1	<b>50 Liter Purifier (RO+ UV) with Water Cooler as per attached specification</b>	Set	1	
2	<b>50 Liter Purifier (RO+ UV) as per attached specification</b>	Set	1	
3	<b>100 Liter Purifier (RO+ UV) with Water Cooler as per attached specification</b>	Set	1	
4	<b>100 Liter Purifier (RO+ UV) as per attached specification</b>	Set	1	
5	<b>150 Liter Purifier (RO+ UV) with Water Cooler as per attached specification</b>	Set	1	
6	<b>300 Liter WVM (with RO+ UV) with KIOSK as per specification</b>	Set	1	
7	<b>300 Liter Water ATM (with RO + UV) with KIOSK as per specification</b>	Set	1	

**Technical Specifications Clean Drinking Water Plant**

**1. 50 Liter Purifier (RO+ UV) with Water Cooler**

S.N.	Requirements	Bidder's Offer
1.	Power Source. Single phase 220±10% V	
2.	Structure/ Body construction: SS or similar material	
3.	Dimensions (mm): not less than 350*500*1300	
4.	Total purifying capacity: 50 l/hr.	
5.	Storage Capacity: 50 L made up of SS or batter material	
6.	Cooling and normal water container: 25 L each	
7.	Compressor: Reciprocating type	
8.	Condenser: Fin and tube type or better using environment friendly refrigerant	
9.	Temperature of chilled water: at least 15 °C	
10.	No. of dispensing unit/ Tap: 2 (minimum)	
11.	No. of filtrations: at least 7 (containing RO+UV and other)	
12.	Inlet water technology must have control flow mechanism.	
13.	Water recovery: not less than 70%	
14.	After Sales Service: at least 1 year with no additional cost	
15.	Warranty: 1 years	
16.	Manufacturer must have valid ISO 9001:2015, ISO 45001:2018, ISO 14001:2015, WHO-GMP, QCAS, CE and other if any for the scope of Manufacturing and Supply of water purifying Machine and should be submitted along with bid.	

## 2. 50 Liter Purifier (RO+ UV)

S.N.	Requirements	Bidder's Offer
1.	Power Source. Single phase 220±10% V	
2.	Structure/ Body construction: SS or similar material	
3.	Dimensions (mm): not less than 350*500*1300	
4.	Total purifying capacity: 50 l/hr.	
5.	Storage Capacity: 50 L made up of SS or batter material	
6.	No. of dispensing unit/ Tap: 2 (minimum)	
7.	No. of filtrations: at least 7 (containing RO+UV and other)	
8.	Inlet water technology must have control flow mechanism.	
9.	Water recovery: not less than 70%	
10.	After Sales Service: at least 1 year with no additional cost	
11.	Warranty: 1 years	
12.	Manufacturer must have valid ISO 9001:2015, ISO 45001:2018, ISO 14001:2015, WHO-GMP, QCAS, CE and other if any for the scope of Manufacturing and Supply of water purifying Machine and should be submitted along with bid.	

### 3. 100 Liter Purifier (RO+ UV) with Water Cooler

S.N.	Requirements	Bidder's Offer
1.	Power Source. Single phase 220±10% V	
2.	Structure/ Body construction: SS or similar material	
3.	Dimensions (mm): not less than 600*400*1300	
4.	Total purifying capacity: 100 l/hr.	
5.	Storage Capacity: 100 L made up of SS or batter material	
6.	Cooling and normal water container: 50 L each	
7.	Compressor: Reciprocating type	
8.	Condenser: Fin and tube type or better using environment friendly refrigerant	
9.	Temperature of chilled water: at least 15 °C	
10.	No. of dispensing unit/ Tap: 4 (minimum)	
11.	No. of filtrations: at least 7 (containing RO+UV and other)	
12.	Inlet water technology must have control flow mechanism.	
13.	Water recovery: not less than 70%	
14.	After Sales Service: at least 1 year with no additional cost	
15.	Warranty: 1 years	
16.	Manufacturer must have valid ISO 9001:2015, ISO 45001:2018, ISO 14001:2015, WHO-GMP, QCAS, CE and other if any for the scope of Manufacturing and Supply of water purifying Machine and should be submitted along with bid.	

#### 4. 100 Liter Water Purifier (with RO+ UV)

S.N.	Requirements	Bidder's Offer
1.	Power Source. Single phase 220±10% V	
2.	Structure/ Body construction: SS or similar material	
3.	Dimensions (mm): not less than 600*400*1300	
4.	Total purifying capacity: 100 l/hr.	
5.	Storage Capacity: 100 L made up of SS or batter material	
6.	No. of dispensing unit/ Tap: 4 (minimum)	
7.	No. of filtrations: at least 7 (containing RO+UV and other)	
8.	Inlet water technology must have control flow mechanism.	
9.	Water recovery: not less than 70%	
10.	After Sales Service: at least 1 year with no additional cost	
11.	Warranty: 1 years	
12.	Manufacturer must have valid ISO 9001:2015, ISO 45001:2018, ISO 14001:2015, WHO-GMP, QCAS, CE and other if any for the scope of Manufacturing and Supply of water purifying Machine and should be submitted along with bid.	

**5. 150 Liter Water Cooler (with RO+ UV)**

S.N.	Requirements	Bidder's Offer
1.	Power Source. Single phase 220±10% V	
2.	Structure/ Body construction: SS or similar material	
3.	Dimensions (mm): not less than 750*600*1650	
4.	Total purifying capacity: 150 l/hr.	
5.	Storage Capacity: 150 L made up of SS or batter material	
6.	Cooling and normal water container: 75 L each	
7.	Compressor: Reciprocating type	
8.	Condenser: Fin and tube type or better using environment friendly refrigerant	
9.	Temperature of chilled water: at least 15 °C	
10.	No. of dispensing unit/ Tap: 6 (minimum)	
11.	No. of filtrations: at least 7 (containing RO+UV and other)	
12.	Inlet water technology must have control flow mechanism.	
13.	Water recovery: not less than 70%	
14.	After Sales Service: at least 1 year with no additional cost	
15.	Warranty: 1 years	
16.	Manufacturer must have valid ISO 9001:2015, ISO 45001:2018, ISO 14001:2015, WHO-GMP, QCAS, CE and other if any for the scope of Manufacturing and Supply of water purifying Machine and should be submitted along with bid.	

6. 300 Liter WVM (with RO+ UV)

<b>Specification and Requirements</b>		<b>Bidders Offer</b>
<b>RO+UV System</b>	300 LPH with SS Body or better	
<b>Dimension of water Kiosk</b>	≥ 1050*1050*2100mm(l*b*h)	
<b>MOC</b>	Outer Body SS 304 or better	
<b>Pure Water tank</b>	200 ltrs. SS 304 or better	
<b>Dispensing Unit (2)</b>	1 Unit Capable 20 ltrs. & 1 Unit Capable 2 ltrs. Container	
<b>Chiller</b>	100 ltrs. SS 304 or better	
<b>Total Storage</b>	300 ltrs. SS 304 or better	
<b>Display Type</b>	LED	
<b>Type of Operation</b>	Automatic	
<b>Quality of outlet water from each dispenser</b>	Conforms to IS:10500(latest)	
<b>7 stage purification</b>	Multi Grade Filter with iron removal media (MGF),5-micron Filter, Activated Carbon Filter, Melt blown fine filter, Membrane, Ultra violet	
<b>High Pressure Pump to Develop Required Pressure at RO Membranes</b>		
<b>Type of High-Pressure Pump</b>	Vertical Centrifugal Pump 1	
<b>Material Of Construction of High-Pressure Pump</b>	SS	
<b>Number of High-Pressure Pumps</b>	1 unit	
<b>RO Pressure Vessel</b>		
<b>Type of RO Pressure Vessel</b>	Membrane housing mounted on skid - End port type	
<b>Material Of Construction for RO Pressure Vessel</b>	FRP	
<b>Number of RO Pressure Vessels</b>	40/40 1 unit	
<b>Number of RO Membranes</b>	<b>40/40 1 unit</b>	
<b>Ultra Violet (UV) System to Disinfect Water, Kill Bacteria and Micro-Organisms</b>		

<b>Material Of Construction for UV System</b>	SS 304	
<b>Number of UV Systems</b>	1 unit	
<b>Number of UV Lights</b>	1 unit	
<b>Total UV Power</b>	12 Watts	
<b>Power Source</b>	Single Phase 220 ±10 V	
Control panel automatic	1 unit	
Sticker at front face of product	1 Unit	2

#### 7. 300 Liter Water ATM (with RO + UV)

<b>Specification and Requirements</b>		<b>Bidders Offer</b>
<b>RO+UV System</b>	300 LPH with SS Body or better	
<b>Dimension of water Kiosk</b>	≥ 1050*1050*2100mm (l*b*h)	
<b>MOC</b>	Outer Body SS 304 or better	
<b>Pure Water tank</b>	200 ltrs. SS 304 or better	
<b>Dispensing Unit (2)</b>	1 Unit Capable 20 ltrs. & 1 Unit Capable 2 ltrs. Container	
<b>Chiller</b>	100 ltrs. SS 304 or better	
<b>Total Storage</b>	300 ltrs. SS 304 or better	
<b>Water Vending Mode/ Dispensing Mode</b>	<b>Coin Operated</b>	
<b>Display Type</b>	LED	
<b>Type of Operation</b>	Automatic	
<b>Quality of outlet water from each dispenser</b>	Conforms to IS:10500(latest)	
<b>7 stage purification</b>	Multi Grade Filter with iron removal media (MGF),5-micron Filter, Activated Carbon Filter, Melt blown fine filter, Membrane, Ultra violet	
<b>High Pressure Pump to Develop Required Pressure at RO Membranes</b>		
<b>Type of High-Pressure Pump</b>	Vertical Centrifugal Pump 1	

<b>Material Of Construction of High-Pressure Pump</b>	SS	
<b>Number of High-Pressure Pumps</b>	1 unit	
<b>RO Pressure Vessel</b>		
<b>Type of RO Pressure Vessel</b>	Membrane housing mounted on skid - End port type	
<b>Material Of Construction for RO Pressure Vessel</b>	FRP	
<b>Number of RO Pressure Vessels</b>	40/40 1 unit	
<b>Number of RO Membranes</b>	<b>40/40 1 unit</b>	
<b>Ultra Violet (UV) System to Disinfect Water, Kill Bacteria and Micro-Organisms</b>		
<b>Material Of Construction for UV System</b>	SS 304	
<b>Number of UV Systems</b>	1 unit	
<b>Number of UV Lights</b>	1 unit	
<b>Total UV Power</b>	12 Watts	
<b>Power Source</b>	Single Phase 220 ±10 V	
Control panel automatic	1 unit	
Sticker at front face of product	1 unit	