



AAIMA ENGINEERING LTD.

ISO 9001 : 2015 CERTIFIED COMPANY

www.aaimawatersolution.com

www.aaimaengineering.com

PROPOSAL

Water and Waste treatment Appliances based on Reverse Osmosis and Ultra filtration technology

AAIMA WATER SOLUTION is focused to a commitment to deliver best quality equipments with latest technology. Pure Sep, has a clear understanding of requirements of a wide gamut of industries & is having installations in Dyestuff, Mineral Water, Pharmaceuticals, Food and Beverages and Sugar industries.

Based in Ahmedabad, **AAIMA WATER SOLUTION** is associated with well equipped workshops to produce high quality equipments & has its own pilot plant. Through proper Quality Assurance, **AAIMA WATER SOLUTION** ensures smoother process and minimum wastages.

AAIMA WATER SOLUTION develops new applications related to polymeric membranes, conducting pilot trials at clients site.



AAIMA WATER SOLUTION is an associate unit of AAIMA ENGINEERING CO. having 40 years of experience in engineering sector, producing industrial valves and RO plant machinery.

FOUNDER OF COMPANY : JAYANTIBHAI MOHANDAS PANCHAL

DIRECTOR : RAKESH PANCHAL



the PEOPLE



**AAIMA WATER SOLUTION is engaged in designing,
Manufacturing and marketing of Reverse Osmosis and Ultrafiltration Systems
having applications in water treatment & effluent treatment**

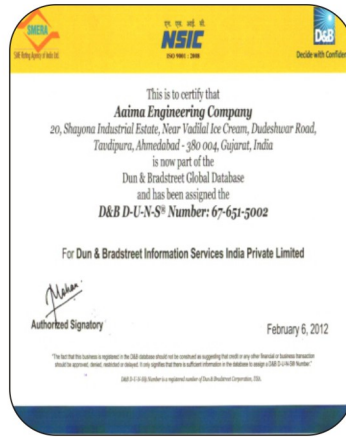
The company was established in 2005, with a vision to design & manufacture high quality and highly efficient membrane systems & related equipments.

Company registered with:

COMPANY



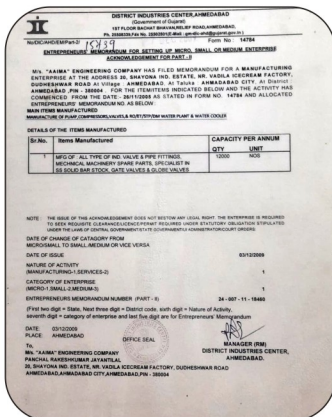
**ISO 9001:2015
ISO 45001:2018 OHS**



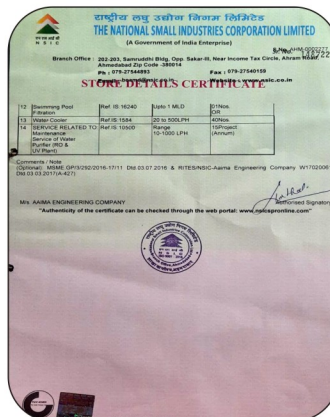
D&B DUNS



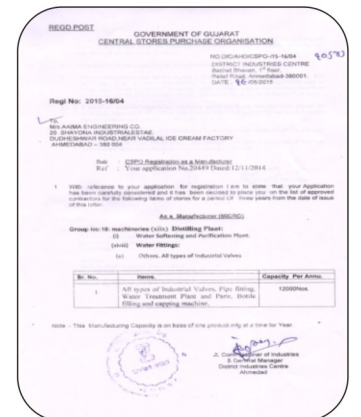
CE



MSME



NSIC



CSPO/GEM (Govt.)

ACCREDITATIONS

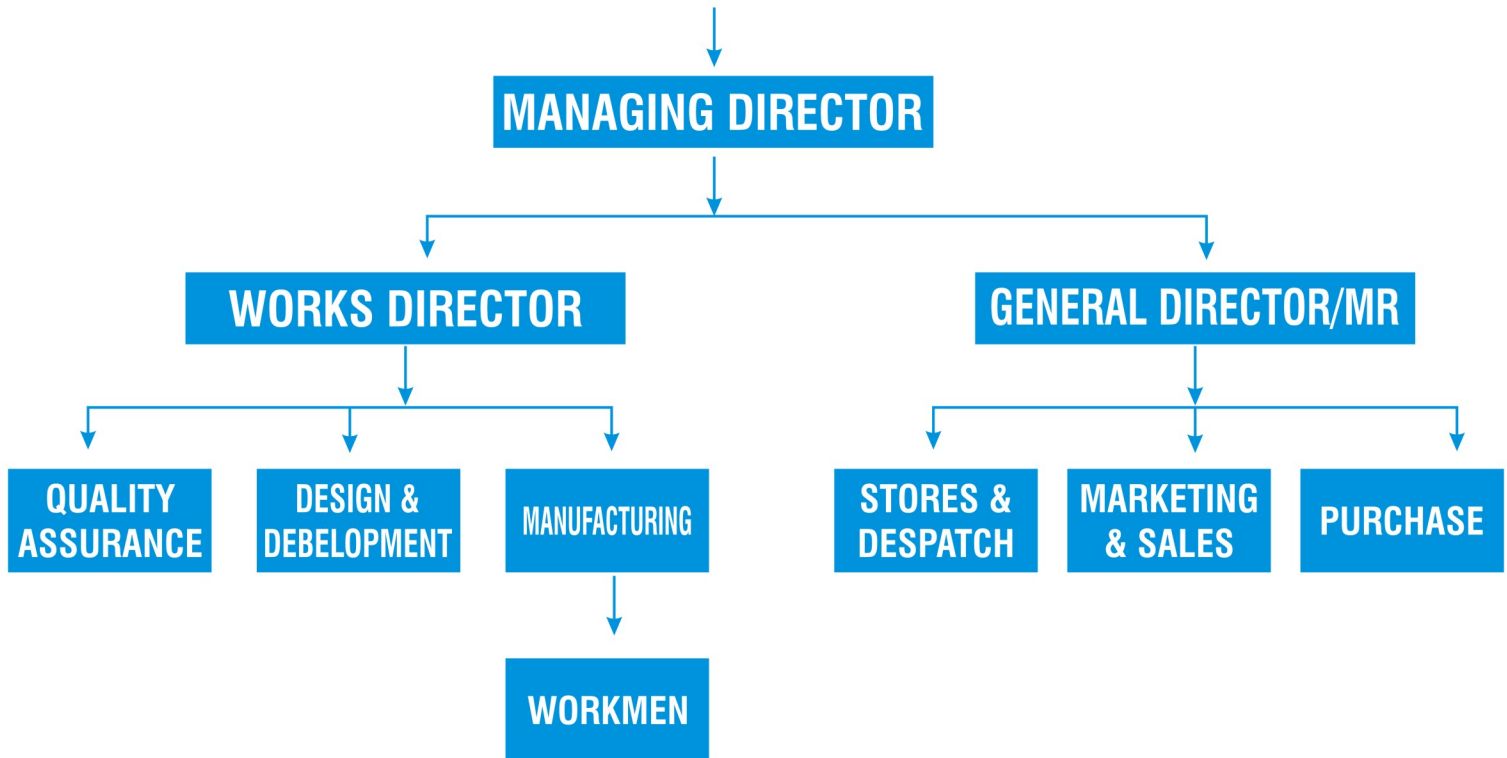
**MACHINE TOOLS / EQUIPMENTS
DETAIL OF MACHINERY ERECTED & FUNCTIONING**

Sr. No.	DESCRIPTION REMARK	CAPACITY	MAKE	YEARS OF PURCHASE
1	LATHE MACHINE			
1.1	Precision Lathe Machine (09 Nos.) 1	6" x 41/2"	VIMAL, GUJARAT, PARTH	1997
1.2	Precision Lathe Machine (02 Nos.) 1	10" x 6"	SAMRAT, ORIENT, DEEPAK	1998, 1999
1.3	Precision Lathe Machine (03 Nos.) 1	14" x 7"	VIMAL, CROWN	2007
2	DRILLED MACHINE			
2.1	Pillar Drill Machine (02 Nos) 1	1'	MAHESH	1998
2.2	Pillar Drill Machine (02 Nos) 1	3/4"	S.K.P.	1998
3	GRINDER			
3.1	Batch Grinder (02 Nos.) 1	3 H.P.	BHARAT	1998
3.2	Portable Grinder (01 No.) 1	1 H. P.	PARTH	1998
4	HACKSHAW MACHINE			
4.1	Hacksaw Machine	10"	LAXMI	1995
5	COMPRESER (02 Nos.) 1	2 HP / 1 HP	GUJJAR	1995
6	VICES (06 Nos.) 3	UP TO 200 mm	PANCO	1995
7	WELDING MACHINE			
7.1	Welding Machine			1992

DETAIL OF TEST EQUIPMENTS

Sr. No.	DESCRIPTION REMARK	CAPACITY	MAKE	YEARS OF PURCHASE	FREQUENCY OF CALIBRATION	DATE OF LAST CALIBRATION
1	HYDRO TEST PUMP (01 No.) (MOTORISED)	5000 PSI	HYDRON ENGG.	2002	EVRY & MONTH	SEP-2005
2	HYDRO TEST PUMP (01 No.) (MANUAL)	2000 PSI	ASSEM.	2002	-	SEP-2005
3	VACCUM PUMP (01 No.)	200 PSI	PARAG	2002	-	SEP-2005
4	PINEMATIC TEST PUMP (01 No.)	10 kg. / cm2	LR	1998	-	SEP-2005
5	FIRE SAFE PLANT	-	ASSEM.	2000	-	
6	MEASURING INSTRUMENTS, JIGS & FIXTURE VENIER CALIPER HIGHT GAUGE, COMBINATION SETS JIGS, & FIXTURE	5', 8', 12'	MAITOYO		-	

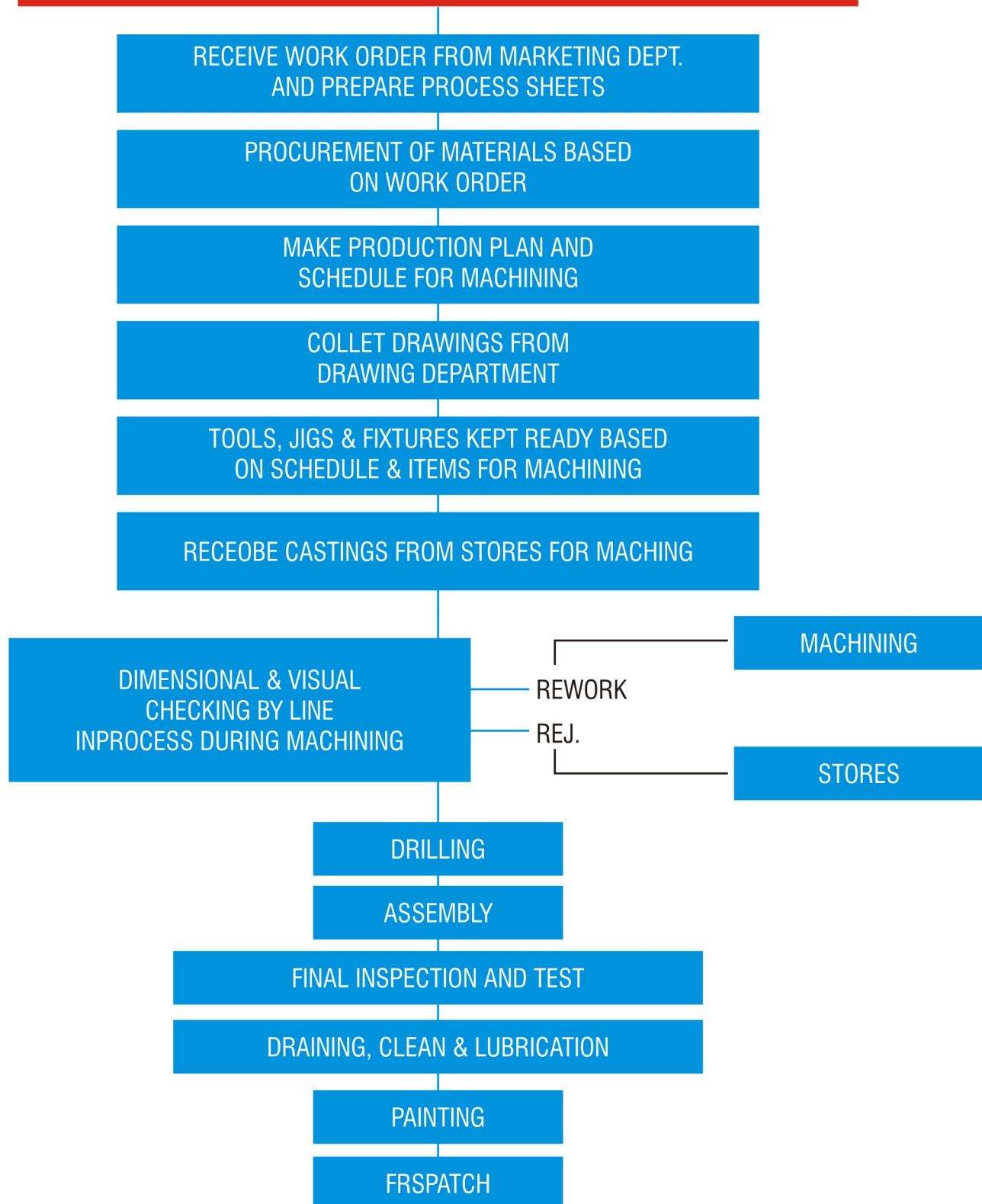
ORGANISATION CHART



PRODUCT CAPACITY

NO.	TYPES OF RO PLANT	RATINGS	PRESSURE (kg/cm ²)	SIZE	ANNUAL CAPACITY
1	10 to 15 LPH Domestic	UP TO 1000#	UP TO 6 kg/cm ²	Online	10000 Nos.
2	25 to 40 LPH Commercial	UP TO 1000#	UP TO 6 kg/cm ²	Online	10000 Nos.
3	50 to 60 LPH Commercial	UP TO 1000#	UP TO 6 kg/cm ²	Online	10000 Nos.
4	100 to 150 LPH Commercial	UP TO 1000#	UP TO 6 kg/cm ²	Online	10000 Nos.

PROCESS FLOW CHART





SOLAR BASE RO & WATER COOLER

INDUSTRIAL CHEMICAL PROCES PLANT

COMMERCIAL RO PLANT

REVERSE OSMOSIS PLANT

ULTRA FILTRATION SYSTEM

SAND & ACTIVATED CARBON FILTERS

BAG FILTERS & CARTRIDGE FILTERS

WATER SOFTENING PLANT

DM AND MIXED BED PLANT

SEWAGE TREATMENT PLANT

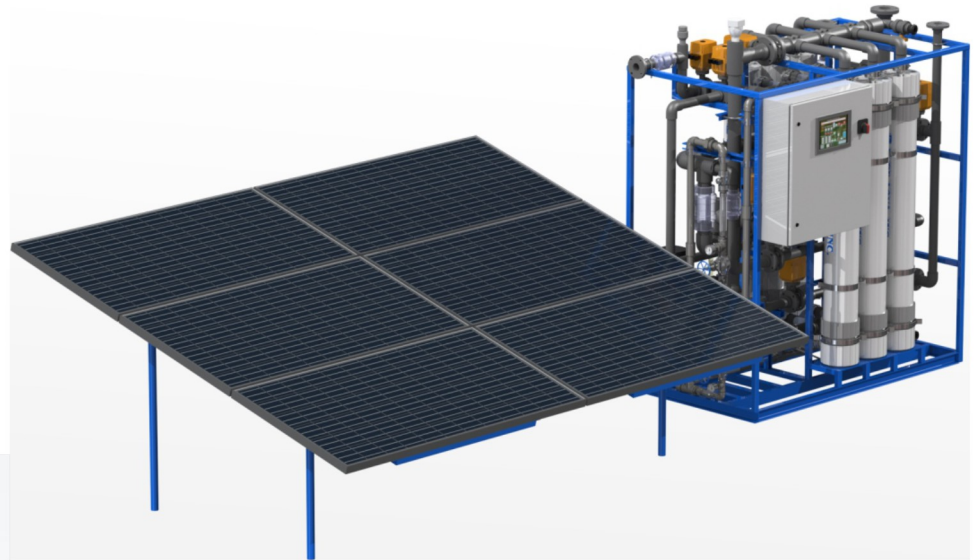
EFFLUENT TREATMENT PLANT

WATER BOTTLE FILLING PLANT

DESALINATION PLANT (SEA WATER PLANT)



**Save Energy.....
Save Power...
Save Water...**

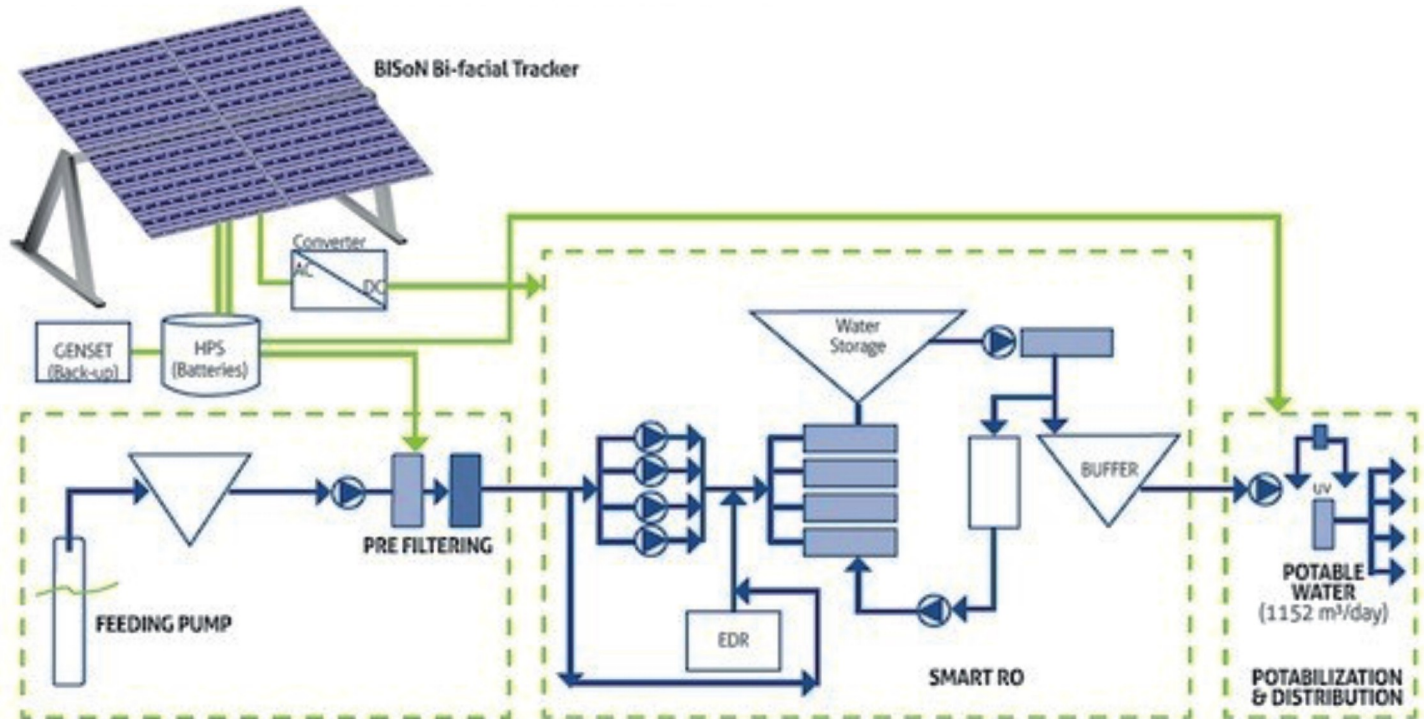


**50 to 100 LPH
RO with SOLAR**



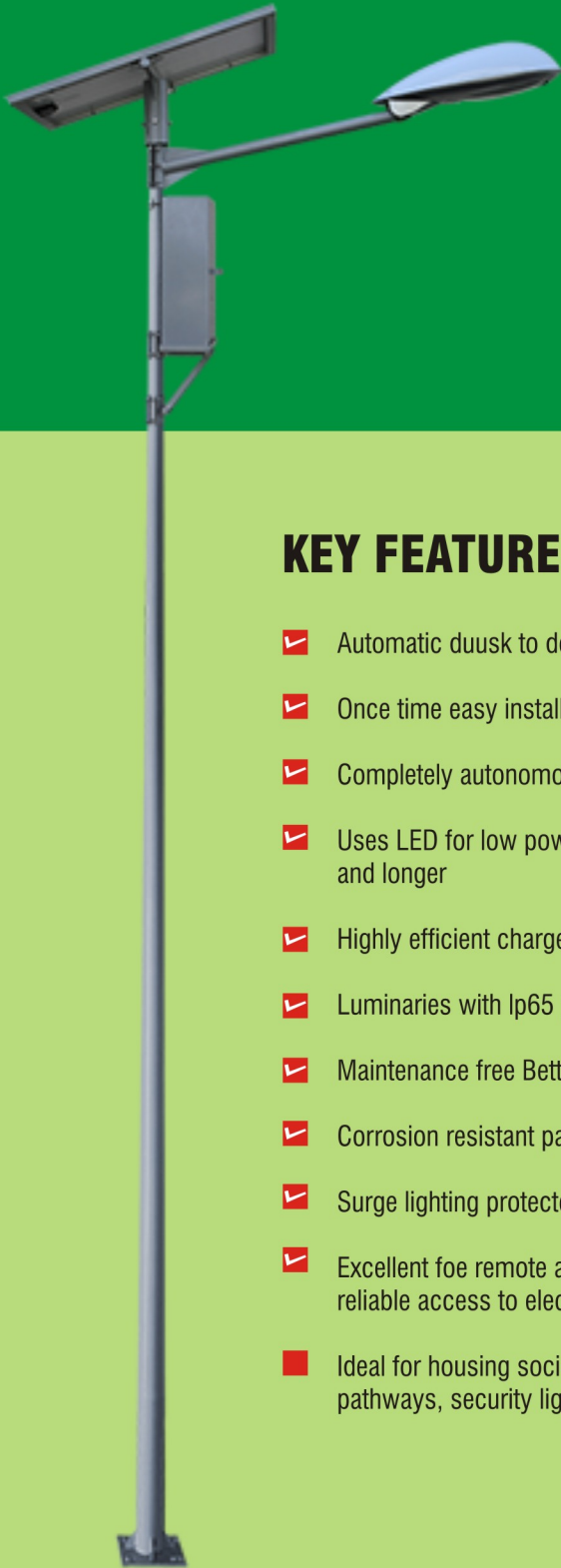
**250 to 2000 LPH
RO with SOLAR**

PV-Smart RO (SSD - Smart Solar Desalination) Process Sea Water Plant



RO BASED SOLAR PRODUCT CAPACITY

NO.	TYPES OF RO PLANT	RATINGS	PRESSURE (kg/cm ²)	SIZE	ANNUAL CAPACITY
1	50 to 60 LPH Commercial	UP TO 1000#	UP TO 6 kg/cm ²	Online	10000 Nos.
2	100 to 150 LPH Commercial	UP TO 1000#	UP TO 6 kg/cm ²	Online	10000 Nos.
3	250 to 1000 LPH Commercial	UP TO 1000#	UP TO 6 kg/cm ²	Online	10000 Nos.
4	1000 to 5000 LPH Commercial	UP TO 1000#	UP TO 6 kg/cm ²	Online	10000 Nos.



SOLAR STREET LIGHT

By choosing our solar LED Street light, you are wisely opting for a better way of living. So go right ahead and enjoy the benefits of using affordable alternative energy while also helping the environment around you sustain itself.

KEY FEATURES & BENEFITS

- ✓ Automatic dusk to dawn operation
- ✓ Once time easy installation with low maintenance,
- ✓ Completely autonomous system in case of black out
- ✓ Uses LED for low power consumption, more intensity and longer
- ✓ Highly efficient charge controller and PV Modules
- ✓ Luminaries with Ip65 protection
- ✓ Maintenance free Battery
- ✓ Corrosion resistant paint on pole structure
- ✓ Surge lighting protected
- ✓ Excellent for remote areas without a convenient & reliable access to electricity
- Ideal for housing societies, institution, parks, pathways, security lights etc.

KEY COMPONENTS

Solar Panel : Designed to convert sunlight or solar energy into electricity even in extreme weather condition.

Mounting System : Includes a 5 meter high, powder-pole with holding structures for the battery, panel and luminaries

Solar charge controller : The charge controller regulates the current and voltage received by the batteries. This is done in order to prevent the battery from under/over charging and ensure no reverse flow of current to the PV panel.

Batteries : Sealed batteries with good backup panel.

LED Lights : High intensity, low power consuming (hence smaller panel size) and with a long life of 50,000 hours.



Domestic & Commercial RO



RO 100 LPH



RO 150 LPH



RO 250 LPH

Mineral Water Plant 6000 LPH



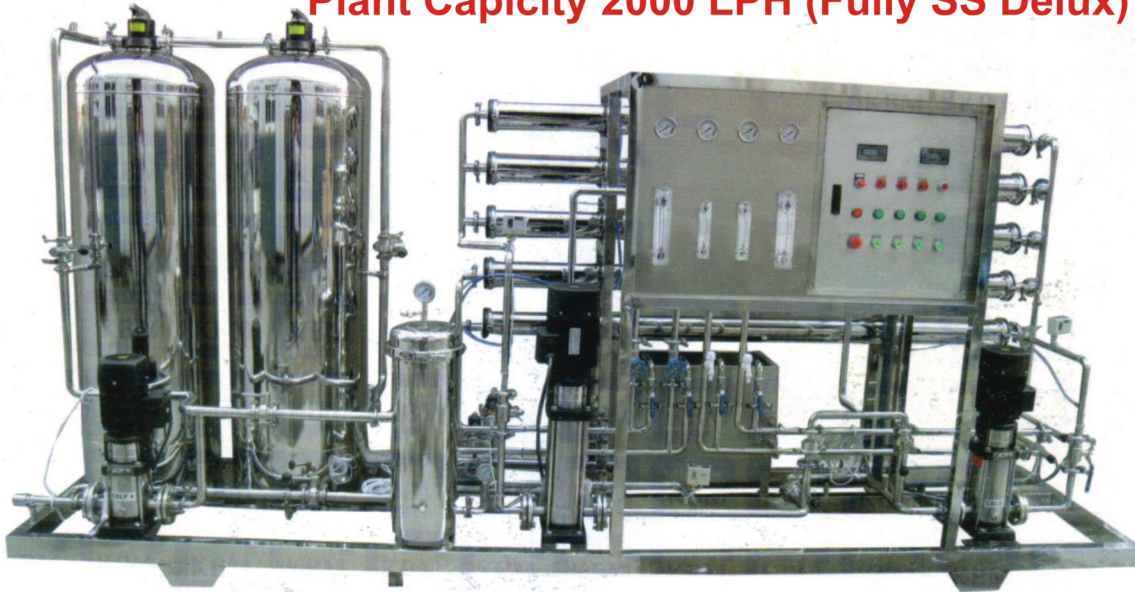
Industrial Water Softener



Commercial Base Softener



Plant Capacity 2000 LPH (Fully SS Delux)



Sea Water Plant Duplex Steel



Sewage Treatment Plant (ETP Plant)



**AUTOMATIC
BOTTLE FILLER
MACHINE
24 BPM TO
120 BPM**

**INDUSTRIAL FRP
BASED RO PLANT
250 LPH CAPACITY
TO 3000 LPH**



**BOTTLE FILLER
MACHINE**

Fully Automatic Heavy Industrial RO FRP Plant



Fully Automatic Desalination Plant RO 20 m³ to 100 m³ Capacity

AAIMA SOLAR NATURAL WATER COOLER



Product Name : Solar Natural Water Cooler
Model No. : AAIMA189/2022
Body : Stainless Steel, 304, (Grade AISI) with Vinyl Coating
Cooling Capacity : 50-60 LPH
Storage Capacity : 150 Ltrs.
Size : 30" x 30" x 93"
Cooling System Material : Pure Copper
Temperature Range : 18 C to 26 C at Avg 60% RH
Cooling Media : Evaporative Cooling System
Filter : 10" x 5 μ Micron Poly Propylene
Tap : 2 Nos. Brass Push Cocks
Solar PV Module : 40 / 50 Watt.
Conformity to Indian Standard : IS : 1475 Latest
Stand : For PV Module

Electric Reverse Osmosis Filtration System

Body : MS / 20MM
Pressure Gauge : 100psi Glycerin Fluid / Warea
Pressure Gauge : 300psi Glycerin Fluid / Warea
Filter Housing : 20" x 2.5" pp
PP Filter 5 Micron : 20" x 2.5" PP
Carbon Black : 20" x 2.5" Carbon
Booster Pump : 150 GPD CI/BNQS
RO Membrane : 100GPD TFC, PP/AAIMA
RO Membrane Housing : 100 GPD, PP/AAIMA
BRINE Control Valve : 800 ML, PP/AAIMA
TDS Mixing System : 1/4, PP/AAIMA
Fully Auto Flush : 230V, Electronics Type
Pipe Line : 1/4-3/8 PP
Antiscallant System : 50LPH, Antiscallant System
Post Carbon Filter : 50LPH, GAC
Low Pressure Safety : 1/4, Electronics Type

Product Name : Solar Natural Water Cooler
Model No. : AAIMA369/2022
Body : Stainless Steel, 304, (Grade AISI) with Vinyl Coating
Cooling Capacity : 50-60 LPH
Storage Capacity : 150 Ltrs.
Size : 30" x 30" x 93"
Cooling System Material : Pure Copper
Temperature Range : 18 C to 26 C at Avg 60% RH
Cooling Media : Evaporative Cooling System
Filter : 10" x 5 μ Micron Poly Propylene
Tap : 2 Nos. Brass Push Cocks
Solar PV Module : 40 / 50 Watt.
Conformity to Indian Standard : IS : 1475 Latest
Stand : For PV Module

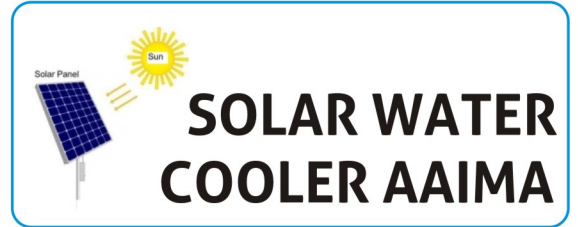


AAIMA SOLAR WATER COOLER



Unique Features

- Faster cooling
- Complete Stainless Steel body including base plate, angle structure etc.
- Inner grooved condenser coil for better heat exchanger.
- Model range 10 Lph to 80 Lph. up to 300 Lph.
- Hygienic food grade stainless steel tank.
- ISI Certified emerson / tecumseh make compressor.
- PUF insulation for lower power consumption & powerful cooling.
- Propeller type quit fan (Condenser fan)
- Space saving compact design.
- Easy to installation and use.
- Eco friendly technology.
- Temperature control : Automatic Thermostatic



**ISI Drinking Water Coolers
Approved by BIS**





'AAI MA' Valves & Pipe Fitting

Good Quality

Good Service

Good Price

MANUFACTURES OF

Victrolck Coupling (SS / CI) Flow Control Valve, Gate Valve,
Globe Valves, Butterfly Valve, Ball Valves, Victrlick Valves & Multipot Valves, Flanges-Gasket
All Type of Industrial Valves & Pipe Fittings, Flanges, Steel Fittings, Victrolck Coupling & Triclover Valve





S.S. WATER STORAGE TANK



Best for Water, Milk, Beverages & Industrial use.

COST
EFFICIENT



HEALTHY ALTERNATIVE TO PLASTIC



THARMAL PROTECTION

Recycle Life



NO FREQUENT CLEANING

Application : Air Ports, Railway Station, Bus Station, Public Places, Hospital Village, Education Institute, Tourist Destinations, Religious Places, Disaster Managemen

Water ATM

AAIMA Water Vending Machine

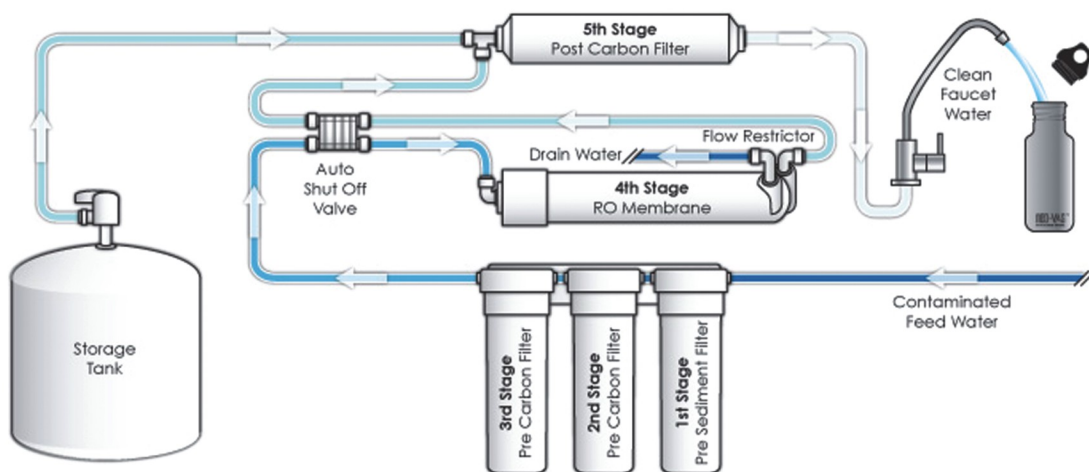
With Inbuilt RO+UV Water Purifier & Chiller 1 Ltr. to 20 Ltr.

Any Time Water 24x7

Solar RO Plant



AAIMA Water Purification Process (RO + UV)



- | | | | |
|----------------------|-------------------|----------------------------|---------------------------|
| 1. Feed Pump | 6. Waster Water | 11. SS Solenoid Valve | 16. Membrane With Housing |
| 2. Pressure | 7. Flow Sensor | 12. Low Pressure Switch | 17. Flow Meter |
| 3. Auto Mpvf | 8. Dosing Pump | 13. High Pressure Pump | 18. Mixing Valve |
| 4. Media Filter | 9. Dosing Tank | 14. High Pressure Switch | 19. Solenoid Valve |
| 5. Air Release Valve | 10. Micron Filter | 15. Waster Recycling Valve | 20. Pressure Valve |

Application : Air Ports, Railway Station, Bus Station, Public Places, Hospital Village, Education Institute, Tourist Destinations, Religious Places, Disaster Management

'AAIMA' Engineering Company

GOOD QUALITY



GOOD SERVICE

GOOD PRICE

Company Approved by



GeM
Government
e Marketplace



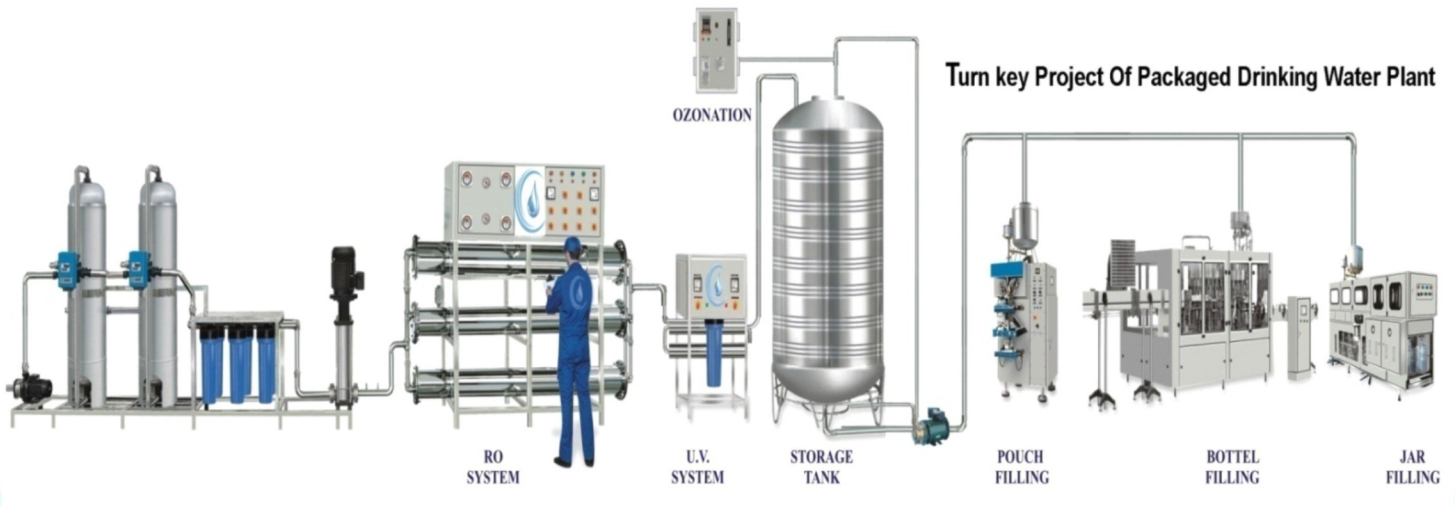
जल ही
जीवन
स्वच्छ भारत
एक कदम स्वच्छता की ओर



**DIRECTORATE GENERAL OF
SUPPLIES AND DISPOSALS**



Total Mineral Water Turn Key Project with [ISI] based



AAIMA ENGINEERING COMPANY

Office : 20, Shayona Ind. Estate, Nr. Vadilal Ice Cream Factory,
Dudheswar Road, Tavdipura, Ahmedabad - 380 004. (INDIA)
Tele Fax Phone : +91 79 25632507 M. : +91 9898002507, 98251 86988

Factory : 4, Shublaxmi Estate, Nr. Mahalaxmi Estate,
Opp. Cream-o-Den Ice-Cream, Gota, Ahmeadb. ad.
Fax : 079-25632507 M. : +91-9722002507, 9426402507

aaimaengineering@gmail.com | aaimawater@gmail.com
www.aaimaengineering.com | www.aaimawatersolution.com

