

# Municipal Range of Pumps

*Versatile, really robust and definitely reliable*



**MBH<sup>®</sup>**  
**PUMPS**

# Water handling solutions is simple fo us

## About the company

Since 1969, MBH Pumps owned by Kamanian family, manufactures and develops centrifugal pumps for submersible and surface installations. Over the years the Company has diversified its activity from the production of pumps for agricultural applications to Domestic, Industrial, Municipal waste water, Slurry, Water Intake and various other applications.

MBH Pumps is the right partner of every Company around the world because it is able to respond quickly and efficiently to the rapid market trends. The wide range of centrifugal pumps, the well-established experience and the continuous production quality improvement, has earned MBH pumps a well reputed name in the Competitive Market.

All pumps are manufactured according to international standards and technical specifications of the customer to successfully satisfy many application areas. Technologically innovative products that provide maximum performance with minimum energy consumption, able to provide the highest safety level, maintenance-free and ease of use conditions.



## Tough to Beat.

### Robust

All components are made from robust materials for easy maintenance and long life.

### Powerful

The motor is specifically designed for reliable operation in submersible applications and it can run continuously without overheating.

### Durable

Heavy-duty bearings with long life provide peace of mind.

### Environmentally friendly

The cooling system is designed to use its surroundings to cool the pump, no use of environmentally hazardous fluids such as oils.

### Safe and straightforward

Cable entry prevents both cable strain and leakage.

### Consistent

The double mechanical seal provides extra reliability and protects against leakage.

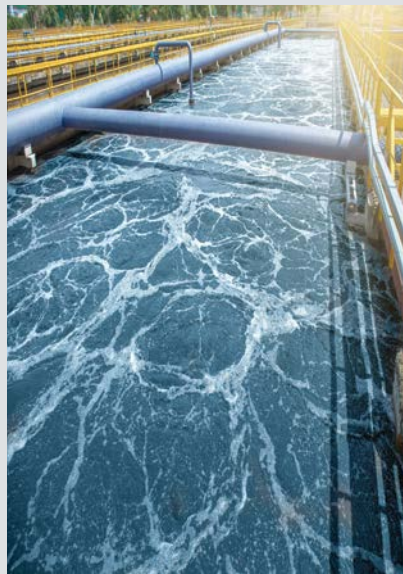
### Flexibility

Drilled pump housing, ready for any installation method.

# Water handling Solutions for your entire **municipal site**

## Applications

- ESR Sump
- Water treatment plant
- Lift irrigation
- Ground water
- Water supply
- Water Boosting station
- Lift irrigation
- Canal Irrigation



## Installations

### Horizontal Split Casing Pumps

1. **Classic Network Pvt. Ltd.** (48 units)  
upto 70 meter, 300.6 m<sup>3</sup>/hr & 120 HP  
Sagbara Dediypada RWSS (GWSSB) Project
2. **Phoenix Projects Pvt. Ltd.** (17 units)  
upto 47 meter, 336 m<sup>3</sup>/hr & 100 HP  
Mangoi & Gollav Narmada River Basin (GWSSB) Project
3. **Vinod H Patel** (15 units)  
33.5 meter, 162 m<sup>3</sup>/hr & 40 HP  
Morbi Water Supply Scheme (GWSSB)
4. **KMB Electricals** (2 units)  
38 meter, 911.8 m<sup>3</sup>/hr & 180 HP  
Banaras Water Supply Scheme

### Submerged Centrifugal Pumps

1. **Phoenix Projects Pvt. Ltd.** (30 units)  
upto 49 meter, 972 m<sup>3</sup>/hr & 200 HP  
Mangrol Water Supply Scheme (GWSSB) Project
2. **Samudra Power Products** (15 units)  
upto 58 meter, 360 m<sup>3</sup>/hr & 50 HP  
Sankheda (GWSSB) Project
3. **H M Engineers** (22 units)  
upto 56 meter, 250 m<sup>3</sup>/hr & 100 HP  
Kevadia Dam Sardar Sarovar Nigam Limited Project

### Submersible Polder Pumps

1. **Odisha Lift Irrigation Corporation Limited** (4 units)  
upto 66 meter, 450 m<sup>3</sup>/hr & 200 HP  
Magarmuhan Canal Project
2. **C P N Industries** (4 units)  
upto 40 meter, 550 m<sup>3</sup>/hr & 125 HP  
Bangalore Water Supply Project
3. **L&T Hydrocarbon Engineering Limited** (3 units)  
upto 40 meter, 750 m<sup>3</sup>/hr & 175 HP  
Ethane Storage Facility Project Dahej

# Water handling Pumps for Solutions for your entire municipal site



## Horizontal Split Casing Pumps H<sub>2</sub>O Series

### Technical Specifications :

Head : upto 100 meters  
Capacity : 1500 m<sup>3</sup>/hr  
RPM : 1450 / 1750 / 2900 / 3550  
Drive : Motor, I.C. Engines or Steam Turbines  
Shaft Seal : Gland / Mechanical Seal  
Frequency : 50 / 60 Hz

## Submerged Centrifugal Pumps

### Technical Specifications :

Head : 110 meters  
Capacity : upto 2500 m<sup>3</sup>/hr  
RPM : 960 / 1450 / 1750 / 2900 / 3550  
HP : 2 to 250  
Frequency : 50 / 60 Hz





## Submersible Polder Pumps

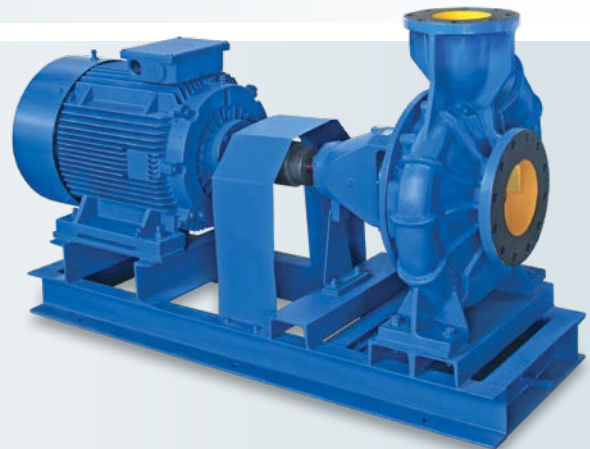
### Technical Specifications :

Head : upto 110 meters  
 Capacity : upto 1500 m<sup>3</sup>/hr  
 Lubrication : Water  
 HP : 1 to 250  
 RPM : 2900 / 1450 / 1750 / 3550  
 Bearing : Bush bearing, Thrust bearing  
 Seal : Mechanical Seal  
 Frequency : 50 / 60 Hz

## Centrifugal Endsuction Pumps H<sub>2</sub>O Series

### Technical Specifications :

Head : upto 102 meters  
 Capacity : upto 550 m<sup>3</sup>/hr  
 RPM : 1450 / 2900 / 3500  
 Drive : Electric / Engine  
 Seal : Gland / Mechanical Seal  
 MOC : Cast iron, Cast steel,  
 Stainless steel, Bronze



## Monoset Submersible Pumps Three Phase

### Technical Specifications :

Range : 1 HP to 50 HP  
 RPM : 2880  
 Capacity : 220 LPM to 4500 LPM  
 Total Head : 7.5 mtrs. to 100 mtrs.



## Submersible Borewell Pumps 75 mm to 305 mm (3" to 12")

### Technical Specifications :

Head : 400 meters  
 Discharge : upto 400 m<sup>3</sup>/hr  
 Range : v3, v4, v5, v6, v7, v8, v9, v10, v11, v12  
 HP : upto 150  
 Frequency : 50 / 60 Hz

# Waste Water Handling



## Submersible Sewage Pumps NS Series

### Technical Specifications :

Head	: upto 65 meters
Capacity	: upto 4000 m <sup>3</sup> /hr
HP	: 0.5 to 250
RPM	: 960 / 1450 / 1750 / 2900 / 3550
Solid Size	: upto 150 mm
MOC	: Cast Iron with Stainless steel
Frequency	: 50 / 60 Hz

### Applications

- Sewage Treatment Plants
- Common Effluent Treatment Plant
- Stormwater Dewatering
- Flood Relief



## Installations

**DWP Pumps (MIDC Boisar)**  
225 HP (6 units)

**Aqua engineering Services (Bangalore International Airport Ltd.)** upto 20 HP (20 units)

**Maruti Infrastructure (Wadhwan project)**  
upto 100 HP (20 units)

**MEM Engineering Pvt. Ltd. (Chennai Metro Project)**  
upto 40 HP (100 units)

**Kevadiya Infra Projects Pvt. Ltd. (Valod Project)**  
upto 45 HP (14 units)

**Sunrise Power Tech (Thara Project)**  
upto 40 HP (13 units)

**Adani Power Ltd. (Udupi)**  
120 HP (1 unit)

**Triveni Engineering & Industries Ltd. (Mathura Projects)** upto 225 HP (53 Nos)

**Advent Envirocare Technology Pvt. Ltd. (Tata Steel Kalinganagar Project)**  
upto 10 HP (48 units)

**Western Corporation Ltd. (Halfaya Refinery project)**  
upto 75 HP (7 units)

## Pro-Prime Series Autoprime Pumps

Flow : upto 2500 m<sup>3</sup>/h

Head : upto 200 meters with single stage impeller

Solids handling : upto 125 mm

Mechanical seal fitted pumps

### Applications

- Municipal
- Mining and Quarrying
- Industrial
- Construction and Tunneling
- Oil and Gas
- Marine



Extensive Range of MBH wastewater pumps now comes with Optimal cooling solution for various pumping applications. This comprehensive selection of pump options will provide optimal performance and power, while reducing operating costs and simplifying maintenance.

Cooling is a key aspect of submersible pump performance. MBH offers several types of cooling systems, including advanced closed loop cooling, which delivers the ultimate flexibility and reliability.

## Closed-loop cooling system with glycol cooling

MBH closed loop cooling system uses the latest technology to secure industry leading performance. It is suited to all DRY-INSTALLATIONS, as well as wet installations where the motor is not sufficiently submerged. Coolant is circulated between the inner and outer cooling jacket, down to the cooling bottom. The main strength of closed-loop cooling is that it is not sensitive to impurities in the pumped media. The close loop ensures the coolant is never contaminated. The Heat from stator body is transferred to the coolant, and the coolant at the same time is pumped at high speed inside the jacket with the help of specially designed 3D printed Impeller.

The coolant in the closed loop system is a precise mixture of pure distilled water and a special glycol formulation. It has excellent heat transfer and corrosion resistance properties and is freeze-proof upto -45 C.

Now ask for Closed loop jacketed submersible pumps for all variety of MBH submersible waste water pumps as an option.



<p><b>NS Series</b> Submersible Sewage Pumps</p>	<p><b>Ni-HARD Series</b> Submersible Slurry Pumps</p>	<p><b>CP Series</b> Submersible Contractor Pumps</p>
<p>Technical Specifications :</p> <p>Head : upto 65 meters</p> <p>Capacity : upto 3000 m<sup>3</sup>/hr</p> <p>HP : 10 to 300</p> <p>Solid Size : upto 150 mm</p> <p>Frequency : 50 / 60 Hz</p>	<p>Technical Specifications :</p> <p>Head : upto 60 meters</p> <p>Capacity : upto 800 m<sup>3</sup>/hr</p> <p>Solid content by weight : 65%</p> <p>Specific gravity : 2.8 kg/l</p> <p>Particle size : 40 mm</p> <p>Frequency : 50 / 60 Hz</p>	<p>Technical Specifications :</p> <p>Head : upto 50 meters</p> <p>Capacity : upto 450 m<sup>3</sup>/hr</p> <p>HP : upto 60</p> <p>Solid Size : 40 mm</p> <p>Frequency : 50 / 60 Hz</p>

**\* No need of external water source for cooling. \* Can use a submersible pump as a surface pump.**





“ Fresh water is becoming increasingly scarce worldwide. That is why we consider it as our responsibility to develop pumps and systems that can use to obtain and use this precious resource in the most efficient way possible – now and in the future. ”

*Specifications and performance are subject to change without prior notice. Images used are for illustration purpose only.*

**MBH**<sup>®</sup>  
**PUMPS**

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