

PRE-QUALIFICATION RACORS

SALES / RENTALS /
PROJECTS



EQUIPMENTS
MANUFACTURER

PUMP SALES / RENTALS / PROJECTS

Phone : +91 7200076755

Email id : info@racors.in , Web : www.racors.in

“

**A Stable Foundation
Depends on a Dry Bottom**

”

INTRODUCTION

Table of Contents :

4	About Us
5	Principle Activities
7	Our Mission & Vision
8	Applications
9	Products & Services
10	Network
11	Deepwell Systems
15	Wellpoint Systems
16	Sumps & Ditches
18	Sludge / Sewage Pumps
19	Pump Rentals
20	Dewatering Pumps Gallery
24	Dewatering Projects - Domestic
31	Dewatering Projects - International
36	Certifications
40	Contact Us

About Us

Racors are one among the leading dewatering pumps & equipment's manufacturers in Republic of India . The company was formed in 3rd quarter of 1998, supplying pumps and parts to the Onshore Land Draining (De-watering) , Marine and Offshore Services market. From humble beginnings, the business has flourished into a Specialist Engineering Services company, with office and service locations spread throughout the globe.

In various aspects of Hydraulics; Pumps and Control Engineering, Racors offer a comprehensive service to the clients. By combining quality manufactured products into a value added solution to customer needs, Racors demonstrates how their integrator skills benefit to clients. Strategically located office and service centres allow Racors to understand customer requirements and effectively deliver suitable solutions.





**PRINCIPLE
ACTIVITIES**

PRINCIPLE ACTIVITIES

IN THE FIELD OF ENGINEERING :

We are involved in wide spectrum of activities manufacturing , trading or providing technical assistance through Consulting & project Management and technical assistance to our clients in oil & gas, civil , mechanical and electromechanical construction sector. And synergy effects derived through our diverse operations.

support, and environmental services to a wide variety of commercial clients. By taking advantage of the synergy between our various associates we provide and recommend integrated solutions to precisely respond to customer needs.

Business will be proposal-driven and customer focused for growth potential to ensure a cohesive link between customer development and project completion. In brief to provide superb product and service to effectively utilize the limited resources of land and space for convenience of clients due to high cost of real-estate.

We, with our associates are both experienced and innovative in the approach to any of the major projects we are involved in. We aid in completing projects on schedule, on budget and with precision.

The skills and knowledge gained through years of experience in providing solutions, ensures we maintain the highest level of workmanship throughout our projects. We offer turnkey systems including design, project management, equipment supply , system installation , programming, and commissioning. We provide comprehensive solutions to issues faced by our customers by systems and structural engineering , planning and integrated logistic.



Our Vision

Our vision is to maintain a leading position in every business we are involved in. We aim to continuously introduce better products and improved services that will enhance the standard of business dealings. This is achieved through the commitment and dedication of our team and the support of our suppliers.

We endeavor to achieve mutual understanding with people around the world, working from global perspectives and respecting local cultures and customs. Contribute to the achievement of better living standards and the creation of societies that exist in harmony with global environment.

Our Mission

Our mission is to earn the trust and regard of customers by endeavoring to provide quality products and services based on superior technology and by fully respecting and protecting the privacy of personal and customer informations.

Our organizational principles are based on professionalism, mutual respect, discipline, commitment and innovations. It is dedicated to contributing to people-oriented infrastructures and global environment by drawing on world-leading technologies and synergy effects derived through our diverse operations.

Applications



INDUSTRIAL



OIL AND GAS



CONSTRUCTION



MARINE



FLOOD AND DRAINAGE
CLEANING



OFFSHORE

Products & Services

- DEWATERING PUMPS
- HEAVY DUTY PUMPS
- JETTING PUMPS
- SPECIAL PUMPS FOR OIL AND GAS
- PISTON PUMPS
- OPENWELL SUBMERSIBLE PUMPS
- DEEP WELL SUBMERSIBLE PUMPS
- AGRICULTURAL PUMPS
- ENGINES AND GENSETS
- SPARES AND ACCESSORIES
- SLUDGE / SEWAGE PUMPS

- PUMP RENTALS FOR IRRIGATION PROJECTS, FLOOD CONTROLLING, ARCH DAM CONSTRUCTIONS, LIFT IRRIGATION SCHEMES ETC...

Network

- 
- BAHRAIN
 - OMAN
 - KUWAIT
 - QATAR
 - SAUDI ARABIA
 - UAE
 - EGYPT
 - BRUNEI
 - BANGLADESH
 - INDIA
 - PHILIPPINES
 - TURKEY
 - MALAYSIA
 - NIGERIA
 - SINGAPORE
 - SOUTH AFRICA
 - IRAQ
 - UGANDA
 - UNITED KINGDOM
 - USA
 - NETHERLANDS
 - AUSTRALIA
 - GERMANY
 - CANADA ... ETC

DEEPWELL SYSTEMS

Deep wells can be used to dewater pervious sand or rock formations or to relieve artesian pressure beneath an excavation. They are particularly suited for dewatering large excavations for dams, tunnels, locks, powerhouses, and shafts. Excavations and shaft as deep as 300 feet can be dewatered by pumping from deep wells with turbine or submersible pumps.

The principle advantages of deep wells are that they can be installed around the periphery of an excavations and thus leave the construction area unencumbered by dewatering equipment and the excavation can be predrained for its full depth.



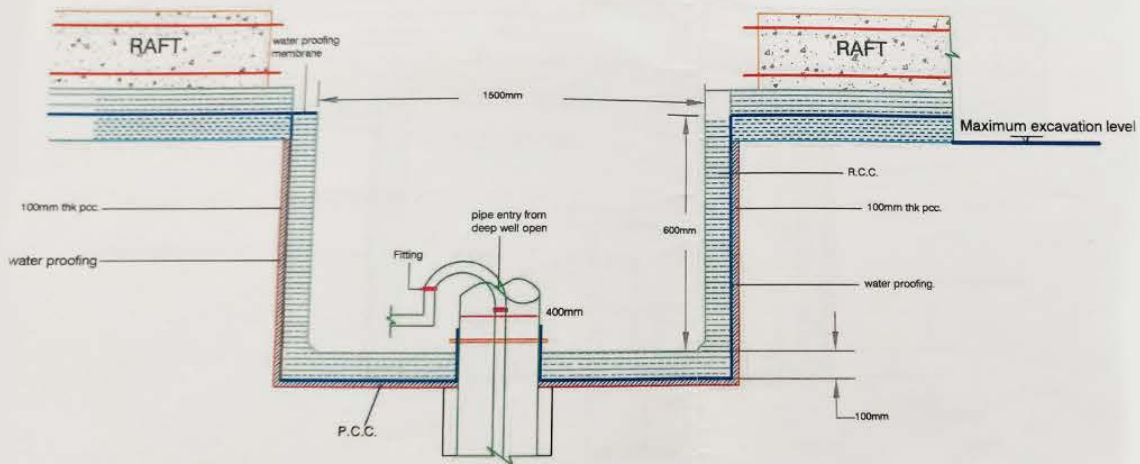
Deep wells for dewatering are similar in type and construction to commercial water wells. They commonly have a screen with a diameter of 6 to 24 inches with lengths up to 300 feet and are generally installed with a filter around the screen to prevent the infiltrations of foundation's materials into the well and to improve the yield of the well.

Deep wells may be used in conjunction with a vacuum system to dewater small, deep excavations for tunnels, shafts, or caissons sunk in relatively fine grained or stratified pervious soils or rock below the groundwater table.

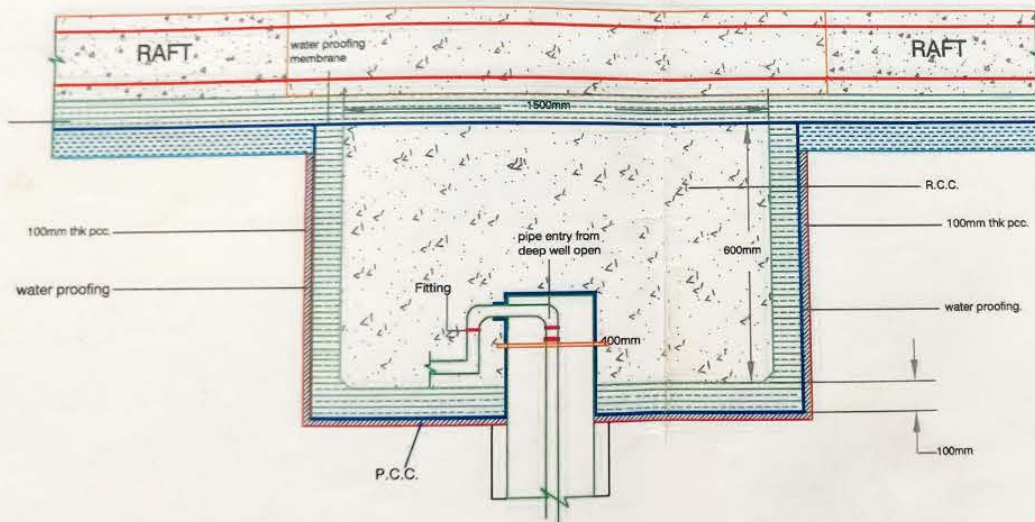
The addition of vacuum to well screen and filter will increase the hydraulic gradient to the well and will create a vacuum within the surrounding soil that will prevent or minimize seepage from perched water into the excavation.

Well Pit Illustrations

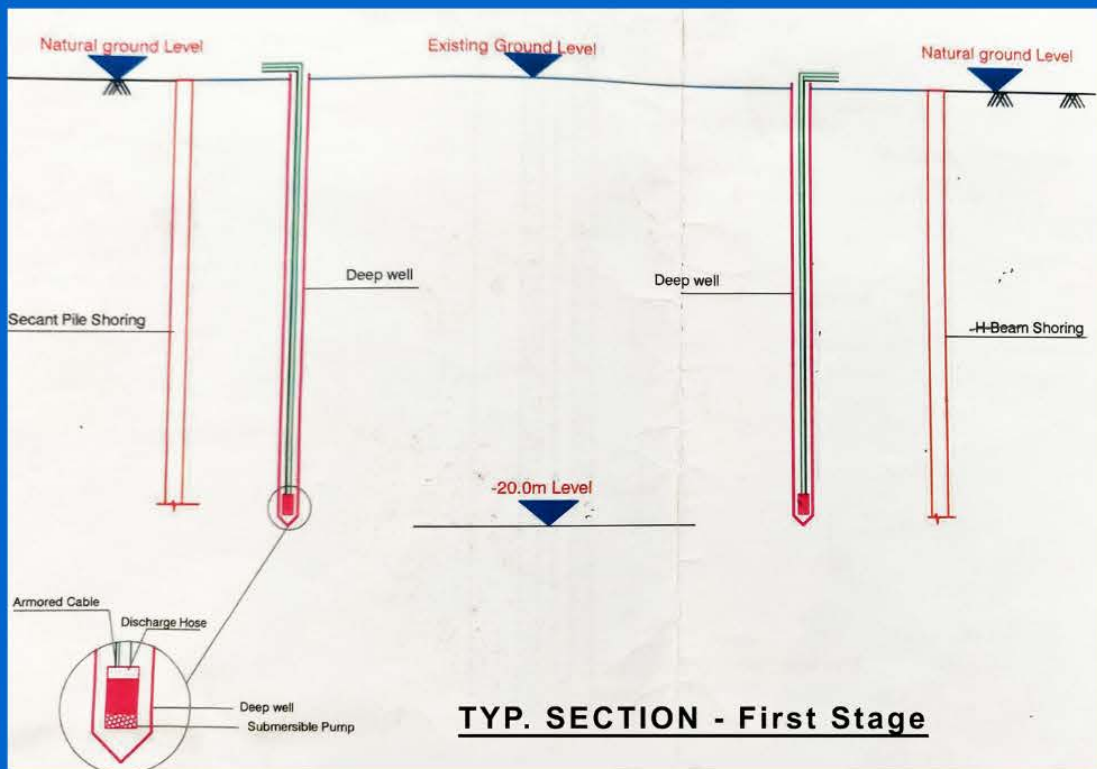
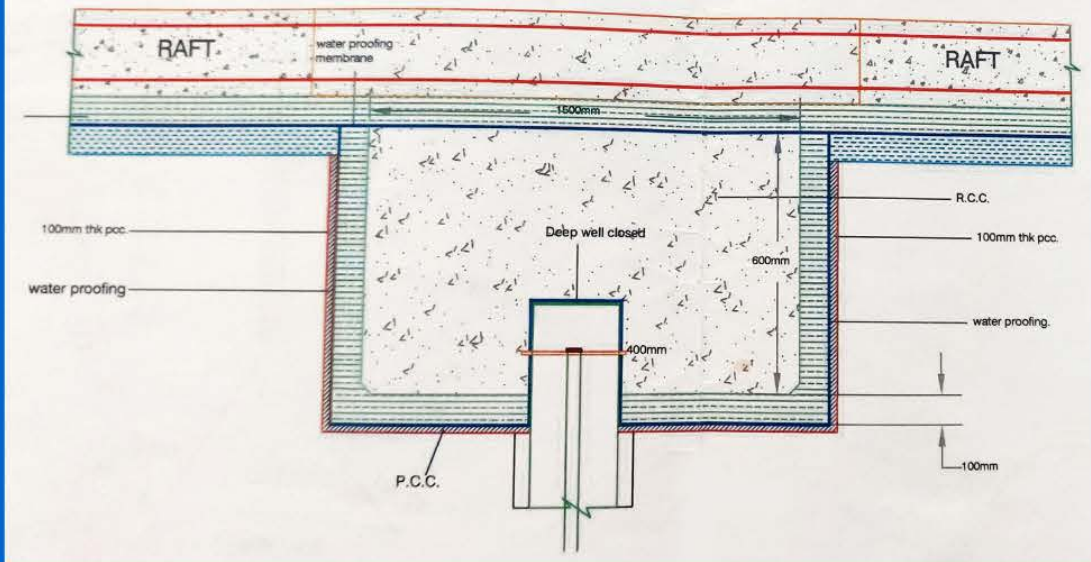
**TYPICAL WELL PIT
(Dewatering running, Well pit open)**



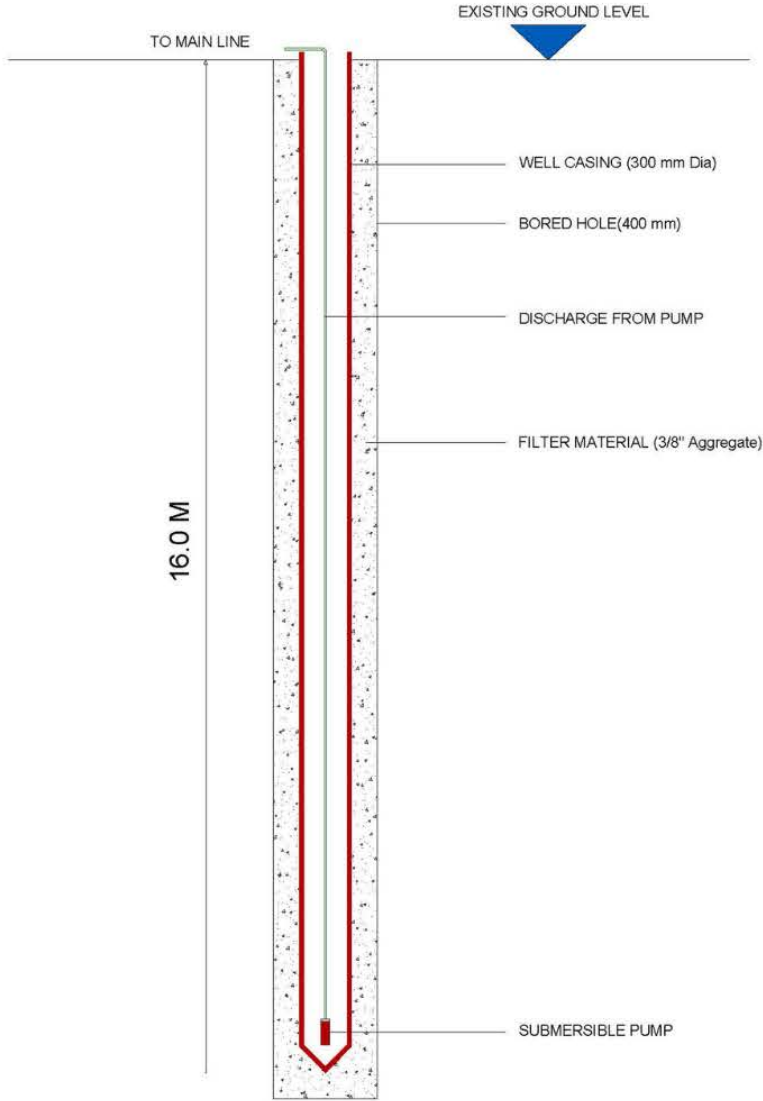
**TYPICAL WELL PIT
(Dewatering finished, Well pit closed)(with pump)
by Building Contractor**



TYPICAL WELL PIT
(Dewatering finished, Well pit closed)(with out)
by Building Contractor



TYPICAL CROSS SECTION OF DEEPWELL



WELLPOINT SYSTEMS

WellPoint systems are commonly used dewatering method as they are applicable to a wide range of excavations and ground water conditions.

(a) Conventional wellpoint systems: A conventional wellpoint system consists of one or more stages of wellpoints having 1(1/2) or 2 inch -diameter riser pipes, installed in a line or ring at spacings between about 3 and 10 feet, with the risers connected to a common header pumped with one or more wellpoint pumps. Wellpoints are small well screens composed of either brass or stainless steel mesh, slotted brass or plastic pipe, or trapezoidal-shaped wire wrapped on rods to form a screen.



(b) Vacuum wellpoint systems: Slits and sandy slits with a low coefficient of permeability ($k=0.1 \times 10^{-4}$ to 10×10^{-4} centimeters per second) cannot be drained successfully by gravity methods, but such soils can often be stabilized by a vacuum wellpoint systems. A vacuum wellpoint systems is essentially a conventional well system in which a partial vacuum is maintained in the sand filter around the wellpoint and riser pipe

(c) Jet-eductor wellpoint systems: Another type of dewatering systems is the jet-eductor wellpoint system which consists of an eductor installed in a small diameter well or a wellpoint screen attached to a jet-eductor installed at the end of double riser pipes, a pressure pipe to supply the jet-eductor and another pipe for the discharge from the eductor pump.

SUMPS & DITCHES

(a) Open excavations : An elementary dewatering procedures involves installation of ditches, French drains, and sumps with in an excavations, From which water entering the excavations can be pumped. This method of dewatering generally should not be considered where the ground water head must be lowered more than a few feet's, as seepage into the excavations may impair the stability of excavations slopes or have a detrimental effect on the integrity of the foundation soils. Filter blankets or drains maybe included in a sump and ditch system to overcome minor raveling and facilitate collection of seepage.

(b) Cofferdams: A common method of excavating below the groundwater table in confined areas is to drive wood or steel sheet piling below subgrade elevations. Install bracing, excavate the earth, and pump out any seepage that enters the coffer dammed area.

(1) Dewatering a sheeted excavations with sumps and ditches is subject to the same limitations and serious disadvantages as for open excavations is sand maybe reduced where the sheeting can be driven into an underlying impermeable stratum, thereby reducing the seepage into the bottom of the excavations.

(2) Excavations below the water table can sometimes be successfully made using sheeting and sump pumping. However, the sheeting and bracing must be designed for hydrostatic pressures and reduced to support caused by upward seepage forces.

Sumping System



Sludge/Sewage Pumps

Sludge pumps, are designed for transferring viscous fluids with high suspended solid content. The sludge transfer pump design is a displacement pump to enable the handling of heavy, viscous and abrasive liquids including oil sludge, bio waste, sewage, mud and lime slurry. We Offer wide range of agitator pumps provides simple and efficient transport of sand, sludge and slurry. We endeavor to achieve mutual understanding with people around the



world, working from global perspectives and respecting local cultures and customs. Contribute to the achievement of better living standards and the creation of societies that exist in harmony with global environment.

The function of an Electrical **Sewage pump** is to move sewage liquids and solids between one location and another. In residential areas, sewage (including soft solids up to 2" in diameter) is pumped from a sewage basin to a sewer system or a septic tank. A sewage pump is installed at the lowest point of the sewage basin. The basin itself is placed at or below the floor level of the basement. Since the pump is submerged most of the time, it is also referred to as a submersible sewage pump .



Our pumps are non-clog in nature, as it is available in 2"-8" outlet size. The larger outlet size allows tolerance of foreign matter with larger dimension. This assures the pumps remain in workable conditions throughout the operation and do not clog or disrupt.

Rentals

VARIOUS TYPES OF PUMPS

Not only we provide Dewatering Services, but also provide our equipment's for rent. We are our client's one stop solution when it comes to all manner of pumps and associated pipelines. We deploy our pumps on site, provide all kind of technical support, whilst our clients can operate the pumps as per their requirements.

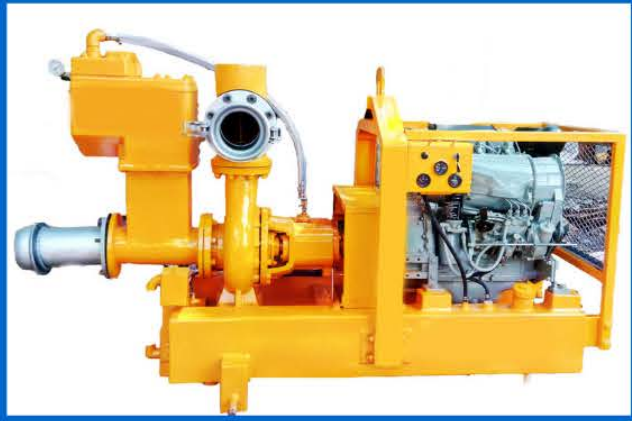


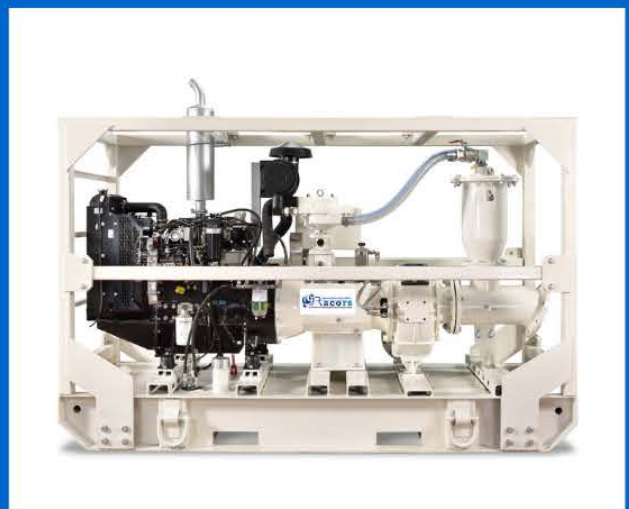
We are able to back up our deployment in short notice in case of any technical emergencies 100 % reliability assured. We also extend technical consultation before the hire, so that our clients have the option of choosing the best pump for the job in hand.

Dewatering Pumps

GALLERY







Agriculture Pumps



Dewatering Projects

Major Domestic Projects

- **POWER PLANT PROJECT IN NELLORE - ANDHRA PRADESH FOR TATA PROJECTS PRIVATE LIMITED**
- **MORI VADIKAL PROJECT - KUMBAKONAM (TAMIL NADU)**
- **FLOOD CLEARING - COCHIN INTERNATIONAL AIRPORT LIMITED (CIAL), IN KERALA**
- **EQUIPMENT SUPPLY AND PROJECT MANAGEMENT - CHENNAI METRO.**
- **DEWATERING WORKS AT NORTH CHENNAI THERMAL POWER STATION.**
- **PUMP RENTALS TO BRIHANMUMBAI MUNICIPAL CORPORATION.**
- **THE KALESHWARAM LIFT IRRIGATION PROJECT (KLIP) IS A MULTI-PURPOSE IRRIGATION PROJECT ON THE GODAVARI RIVER IN KALESHWARAM, BHUPALPALLY, TELANGANA.**
- **L&T LIFT IRRIGATION PROJECT IN MEDIGADDA TELANGANA.**
- **CHECK DAM PROJECTS ACROSS MANAIR VAGU, KHAMMAMPALLY TELANGANA**
- **WELLPOINT CONSTRUCTION PROJECT IN NELLORE (ANDHRA PRADESH)**
- **EQUIPMENTS SUPPLY TO MUMBAI - PUNE BULLET TRAIN PROJECT.**

MORI VADIKAL PROJECT IN KUMBAKONAM TAMILNADU



MEETING WITH **MR. PRADEEP KUMAR I.A.S.** (COLLECTOR KUMBAKONAM)
RIVER CLEANING AND WEED HARVESTING PROJECT BY
RACORS AND WEEDOO BOATS U.S.A.



DOMESTIC PROJECTS

KALESHWARAM LIFT IRRIGATION PROJECT (KLIP)



L&T LIFT IRRIGATION PROJECT IN MEDIGADDA TELANGANA.



CHECK DAM PROJECTS IN MANAIR VAGU, KHAMMAMPALLY TELANGANA



WELLPOINT CONSTRUCTION PROJECT IN NELLORE (ANDHRA PRADESH)



MUMBAI - PUNE BULLET TRAIN PROJECT



DEWATERING PROJECTS

Major International Projects

- **SUPPORTING SERVICES FOR PIGGING AT QATAR
PETROLEUM,STATE OF QATAR .**
- **STORMWATER DISCHARGE FOR JEDDAH MUNICIPALITY
,KINGDOM OF SAUDI ARABIA .**
- **CHEC PMB BRIDGE PROJECT MAURA DISTRICT,KINGDOM
OF BRUNEI .**
- **RIVER CLEANING,WEED HARVESTING AND DEWATERING
AT FLORIDA,UNITED STATES OF AMERICA .**
- **EQUIPMENT SUPPLY AND PROJECT MANAGEMENT FOR
MUSCAT MUNICIPALITY,SULTANATE OF OMAN .**
- **EQUIPMENT SUPPLY AND PROJECT MANAGEMENT FOR
KUWAIT OIL COMPANY,STATE OF KUWAIT .**
- **EQUIPMENT SUPPLY AND PROJECT MANAGEMENT FOR
FEDERAL MINISTRY OF WATER RESOURCES
FEDERAL REPUBLIC OF NIGERIA .**
- **DEWATERING WORKS FOR SHELL PETROLEUM BRUNEI .**

OUR GLOBAL PROJECTS

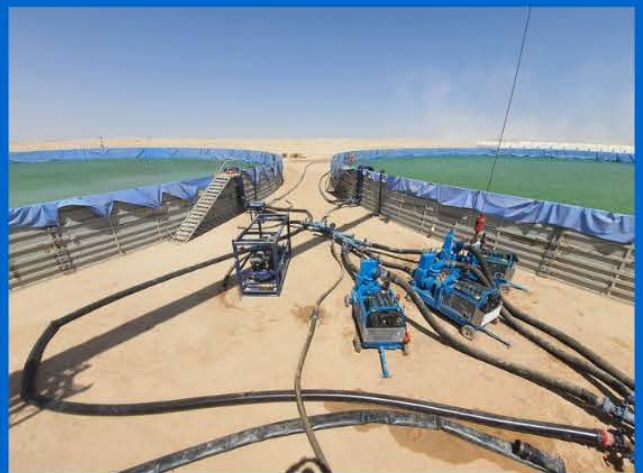


RACORS in association with Weedoo
Boats USA
River Cleaning and Weed Harvesting



International Projects







CERTIFICATIONS

ABS (American Bureau of Shipping)
Shell Petroleum Testing of Racor Pumps



ISO 9001 : 2008

Certificate of Registration

This is to Certify that
Quality Management System of

RACORS

NO. 1A1, THONDAMUTHUR ROAD, BOMMANNAM
PALAYAM, BHARATHIYAR UNIVERSITY POST,
COIMBATORE - 641 046, TAMIL NADU, INDIA

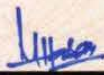
has been assessed and found to conform to the requirements of

ISO 9001:2008

for the following scope :

MANUFACTURING OF PUMPS, PUMPS PARTS &
TRADING, EXPORT OF DIESEL ENGINE, ENGINE
PARTS, RUBBER PRODUCTS, GASKETTE, BEARINGS,
INDUSTRIAL FUELS, LUBRICANTS, FURNACE, OIL,
LOD, CBFS, BASE OILS, BITUMEN ADDICTIVES
USED IN LUBRICANTS

Certification No	1015QCM80	Issuance Date	: 13/08/2015
Initial Registration Date	: 13/08/2015	Date of Expiry*	: 12/08/2022
1st Surve. Due	: 13/07/2017	2nd Surve. Due	: 13/07/2019



Director



M4570910IN

Absolute Quality Certification Pvt. Ltd.

Accredited By: Joint Accreditation System of Australia & New Zealand (JAS-ANZ)

401, Ashok Bhawan, 93, Nehru Place, New Delhi - 110 019, | +91. 11. 4105 1139 | e-mail : info@absolutequalitycertification.com,

*Validity of this Certificate is subject to successful completion of surveillance audit on or before of due date. (In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn).

Certificate Verification: Please Re-check the validity of certificate at <http://www.absolutequalitycertification.com/activeclients.aspx> or www.absolutequalitycertification.com at Active Clients.

Certificate is the property of Absolute Quality Certification Pvt. Ltd. and shall be returned immediately when demanded



JAS-ANZ



www.jas-anz.org/register



We're Online!

SOCIAL MEDIA CONNECTIONS :



<https://www.facebook.com/racors.racors/>



<https://twitter.com/racorspumps>



https://www.instagram.com/racors_pump_dewatering/



<https://www.linkedin.com/in/racors/>



<https://in.pinterest.com/racorspump/>



<https://www.youtube.com/channel/UC68HOFpuEL1YbdADG7UWT9g> (OR) RACORS PUMPS

KEEP IN TOUCH

HOW TO REACH US

MAILING ADDRESS

8/27 (1), Rasi Garden, Thondamuthur Road
, Coimbatore -641 109 , Tamil Nadu.
The Republic of India.

EMAIL ADDRESS

info@racors.in, racors.racors@gmail.com

PHONE NUMBER

+91 7200076755

+91 7540086755

WEBSITE

www.racors.in