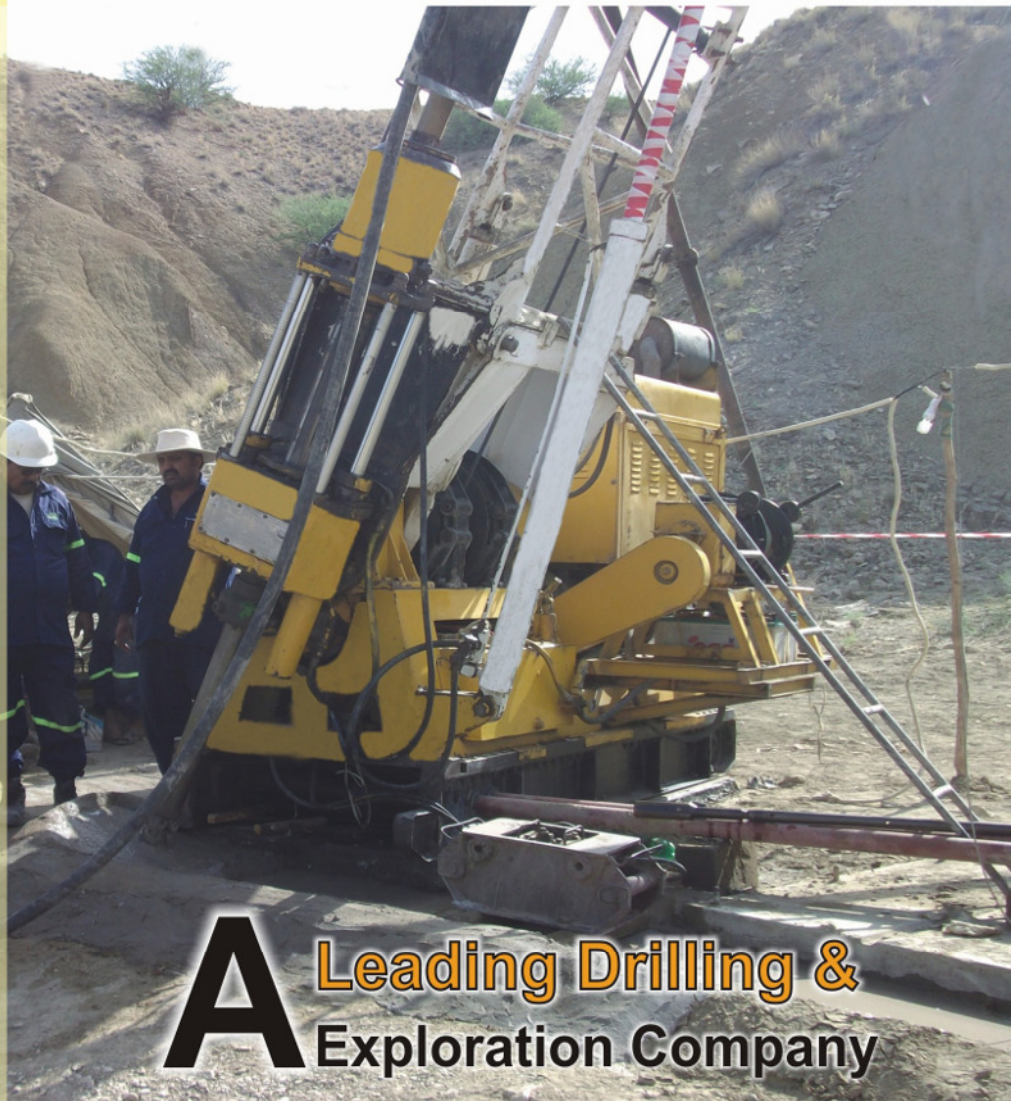


[www.drd.com.pk](http://www.drd.com.pk)



## WE EXPLORE FOR THE NATION

AND PROVIDING ACCESS TO  
THE NATURAL RESOURCES  
FOR HUMAN PROSPERITY



**A** **Leading Drilling &  
Exploration Company**

# Deep Rock Drilling (Private) Limited

## Corporate Profile





# DRD

## AT A GLANCE

**Deep Rock Drilling (Pvt.) Limited (DRD)** was founded in 1984 with the mission to build an erstwhile company in the private sector which would serve the country and the nation by playing a significant role in the discovery, exploration, development and exploitation of its natural resources.

DRD is registered with:



The main objective has been not only to make the Company a leading partner in the natural resource exploration industry of Pakistan, but also to make it an important member in the community of such companies working all over the World. Along with doing business, the core purpose over the years has remained to whole-heartedly partake in building strong Pakistan with sound economic base for its people.

DRD to achieve the above objective has set forth a well-considered course to include training the people of Pakistan in such fields as to turn them into a skilled workforce; be on the lookout for employing technically competent staff, promoting professionalism in the company, striving hard to adopt international standards and practices and bringing in modern and state of the art technologies being used by the developed countries.

DRD is admitted to be a well reputed company in Pakistan today for providing quality services in the fields of drilling, mineral and coal exploration, groundwater exploration, installation of tube-wells, hydrogeological studies, conducting geophysical surveys like electrical resistivity survey and geophysical logging like natural gamma, gamma-gamma (density), caliper, SP, SPR, FEL etc.

The Company owns a fleet of drilling rigs: Core, Non-Core, Straight Rotary, THD with all associated tools, instruments and equipment that are kept well-maintained in our own impressive engineering yard. The engineering yard with all its machinery and the workshop is controlled by a competent crew of engineers and mechanics. DRD also has, in its inventory of equipment, tools like Canadian Tropari Inclinator to be used for measuring angles during inclined drilling and so many tools used in geophysical surveying and logging including those that use nuclear source.



We are adequately experienced and fully capable to undertake any drilling, coal and mineral exploration and groundwater investigation projects anywhere in Pakistan. We are enhancing our capabilities to take up projects outside Pakistan as well.

DRD is also capable of carrying out many support works to mining and power generation industry like dewatering etc.

DRD has an impressive list of credentials leading to its achievements in the above fields.

We are a progressive, forward-looking organization capable of working in all sorts of terrains under all climatic conditions. DRD offers cost effective, innovative and time efficient solutions to the problems with the help and support of professionally trained human resource and state of the art equipment.





## Mineral & Coal Exploration

**DRD** can deliver efficient Diamond Core Drilling Services for mineral and coal exploration. We have the latest drilling equipment. We can undertake exploration drilling in all types of terrain and weather conditions ranging from deserts to rugged mountainous regions. Our drilling operations are always conducted while giving high priority to safety and environmental protection. **DRD** has exhibited track-record of high percentage of core recovery. We can execute confirmation drilling to convert inferred resource estimation into indicated/measured resource estimation.

## Hydrogeological Studies

**DRD** is fully equipped with truck mounted drilling rigs for Production wells and construction of Piezometers for the Hydrogeological studies. **DRD** is the only company in Pakistan which has executed 30-day long uninterrupted pumping test under supervision of the World Bank consultants. **DRD** possesses all related software for aquifer characterization and experience to undertake a variety of hydrogeological studies, such as collecting water samples for testing. **DRD** has recently constructed 57 wells in different areas of Sindh.

## Geotechnical Investigation

**DRD** has rich experience to extract samples from the cores as per the standard. **DRD** can draw samples for Chemical, Geotechnical and Physical analysis. **DRD** can provide core and non-core samples as per requirement of the client.

## Deep Water Wells Installation

**DRD** has long and rich experience in construction of water wells. It has been instrumental in raising the standards of water well installation and construction in Pakistan. **DRD** has large clientele all over the country. **DRD** has constructed around 500 Water Wells, Injection Wells (Oil & Gas Sector) and Dewatering Wells for mining projects.

## Geophysical Logging & Studies

**DRD** had initiated geophysical logging services in 2008 and has emerged as a reliable company committed to provide advanced acquisition and data processing services. Our experienced team has worked at national and international levels, and has the requisite experience to accomplish the projects related to mineral and groundwater investigations. Wireline logging for coal exploration is the speciality of **DRD** and we have state of the art Digital Logging System capable of delineating coal seams within cased boreholes.

## Electrical Resistivity Surveys

**DRD** conducts Electrical Resistivity Surveys using ABEM Terrameter SAS 1000 (Resistivity, IP, SP) Resistivity Survey System. **DRD** also conducts surveys employing the latest and modern scientific methods and techniques to explore, evaluate, extract and manage groundwater with wide and extensive experience in this field. Our investigations have proven to be highly successful and accurate for many Private, Public, Multinational and Government Departments.

## ORGANIZATIONS ASSOCIATED WITH DRD



## Mining & Power Generation Support Works

**DRD** gained rich experience throughout its involvement in drilling and other related testing activities for Mining and Power Generation Support Projects in Thar Coalfield, Lakhra Coal Mines, BME Gunga Mines, Chamalang Coal Mines and different areas of Pakistan. It is also associated with International/Local Consultants who have already provided mining and power generation solutions to various projects around the World based on extensive experience. **DRD** is fully capable in providing support to its clients during underground/shaft mining, conducting feasibility studies and other related activities as per international standards.

## Dewatering of Coal Mines

**DRD** can execute dewatering efficiently. **DRD** with its extensive background of construction of tubewells since its inception is strategically placed to undertake dewatering operations related to open pit mining. Besides, we have also executed water injection wells at Kadanwari Gas Field, District Khairpur, Sindh.





# SALIENT FEATURES AND ACHIEVEMENTS OF DRD

DRD stands distinguished for the fact that it has successfully completed exploration of coal resources in 7 blocks out of a total of 12 (each Block comprising 100 square km area at an average) of Thar Coalfield, Sindh. During this venture it has also drilled about 400 bore holes which no other company has so far done. DRD thus can rightly be termed as Maven in the exploration venture and now tagged as the leading National Company that worked for Thar Coalfield resources.



More than 350,000 feet of wireline Diamond Core Drilling



Core recovery level above 95% in potential zones



More than 656,000 feet of water well drilling



Drilling, Construction and Installation of 57 water wells in the shortest possible time in a huge simultaneous operation of 21 rigs / drill machines



30-Day long pumping test at Thar Coalfield



2100 meters of inclined core Drilling in Barite-Lead/Zinc mineralization near Gunga, Khudzar, Balochistan

Submission of internationally vetted reports on coal resource estimation in Block-III (B), VII, VIII, IX, X, XI, XII of Thar Coalfield, Sindh

DRD is privileged to have geologists on its roll having AIG Membership. Also they have hands on experience of working with the World class consultancy companies like Schlumberger, Digby Wells, RWE, Dargo Associates, SRK Consultants, CCTEG and China Machinery Engineering Corporation.



DRD being an experienced campaigner in the Thar Desert, it has been made one of the leading venture partners, who have been entrusted with the task of drilling a number of exploratory boreholes for groundwater investigations throughout Thar Coalfield for preparation of its Water Master Plan





#### Eni Pakistan Limited:

**DRD** is a registered Contractor Company of ENI BHIT GAS PLANT to provide services under an umbrella agreement for monitoring water wells performance, rehabilitation and drilling of new tubewells for 3 years (2014-2017).

Core Drilling for Environmental Investigation of Eni Gas Field at Halel, Bhit, District Dadu, Sindh.

Drilling, Designing and Installation of injection Wells for Lasmoo Oil (Eni) Pakistan at Kadanwari Gas Field, District Khairpur, Sindh.

Drilling, Designing and Installation of Water Wells for Lasmoo Oil (Eni) Pakistan.



## MAJOR PROJECTS UNDERTAKEN



#### Sindh Coal Authority:

Preparation of Water Master Plan, including Hydrogeological Water Supply and Wastewater Management Studies for Thar Coalfield, with EMC, Schlumberger Water Services and Digby Wells Environmental, UK.

Exploration for Coal Resources in Block-III (B), VII, VIII, IX, X, XI and XII of Thar Coalfield. **DRD** submitted voluminous data and reports based on the above exploration work.

Ground Water Exploration drilling for construction and installation of 57 Tube Wells at District Thatta, Badin, Mithi, Umerkot and Tharparkar.

## Engro Pakistan



Hydrogeological Investigation at Block-II of Thar Coalfield, under the supervision of RWE Group Consultants  
Geo-technical investigation at Block-II, Thar Coalfield, District Tharparkar under the supervision of SECMC and China Machinery Engineering Corporation

## Oracle Coalfield, UK



Investigation Borehole Drilling & Geophysical logging for Coal at District Badin, under the supervision of Dargo Associates & SRK Consultants



Investigation Borehole Drilling & Geophysical logging for Coal at Block-VI of Thar Coalfield, under the supervision of Dargo Associates & SRK Consultants  
Drilling for Geotechnical studies of Boreholes at Block-VI, Thar Coalfield, District Tharparkar, Sindh

## A.A. Associates

Electrical Resistivity Survey for Exploration of Groundwater along old course of Historical Hakra River in Thar Coalfield

## Lakhra Coal Mines

DRD extensively drilled for exploration of coal at Lakhra Coalfield, District Jamshoro, Sindh for about 25 different companies. The major ones are:

- Aziz Coal Mines
- Kashif Coal Mines
- Mir Coal Company
- Mehran Coal Mines
- Ayesha Rehan Coal Mines
- Indus Coal Mines

## Coal & Energy Development Department



30-Day Long Pump Test at Block-II of Thar Coalfield, under the supervision of World Bank Team of Hydrogeology Wing for developing Water Master Plan of Thar Coalfield

## Bolan Mining Enterprises



Inclined Boreholes Drilling for Exploration of Barite-Lead/Zinc Mineralization near Gunga, Khuzdar, Balochistan



## Bolan Resources (Pvt.) Limited



Inclined Drilling and Geological Works for Exploration of Coal Reserves at Chamalang Coalfield, Balochistan





# NATIONAL SERVICE



A number of fresh graduates from various universities, who came here without any experience, have been able to find lucrative jobs in Pakistan and abroad after acquiring training and valuable experience at DRD. Thus the Company has acted like a nursery where our educated young men and women are groomed to be able to make their careers in the industry.

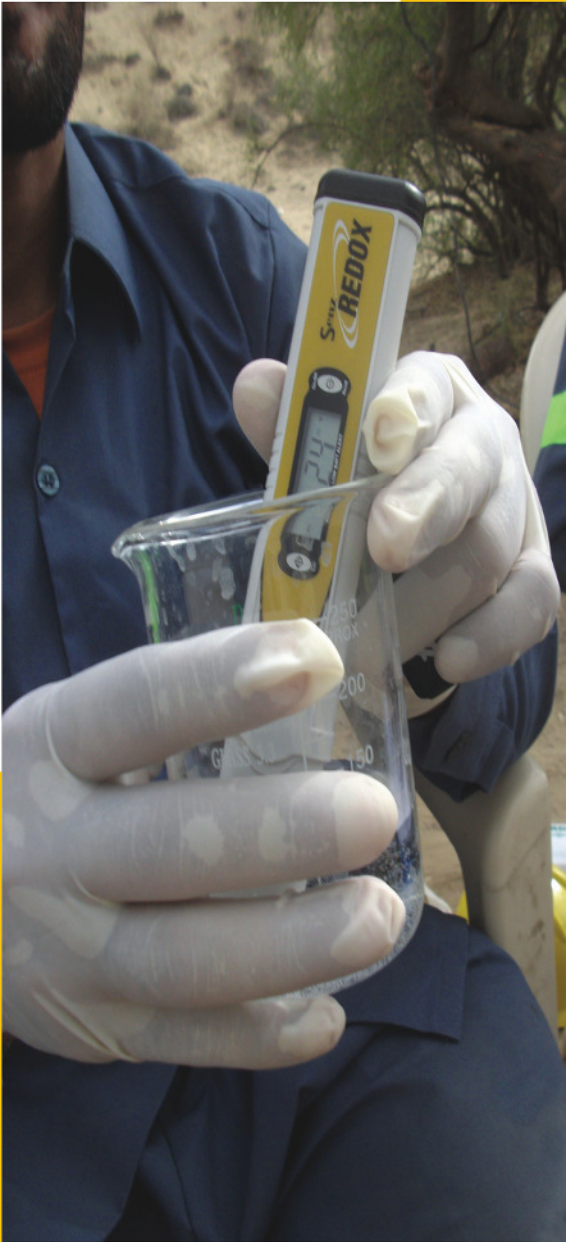
DRD alongside making efforts to excel in rendering quality and standard services, it has always endeavored to help people of Pakistan by creating job opportunities for its educated young men and women.

DRD offers internship to students of universities and jobs to the fresh raw graduates having no experience at all. After being trained by DRD, they are able to confidently apply and seek jobs in any multinational organization of any stature with bright chances for their selection.



Besides, whenever DRD moves into some far-flung areas for the purposes of exploration, it makes a very conscious effort to employ maximum number of local residents to work in the camp and on the project in order to support them to earn their living. All the purchases/hiring of resources are made from the local rural market in order to render benefit to the local people.

Moreover, DRD has never hesitated in going to the remote and far-flung areas of Pakistan despite all security risks and other hardships related to finances and management of the project; examples include project in remote areas of Khuzdar district and Chamalang in Balochistan Province. Of course, the motive for DRD to work in such areas is the national spirit.







## CONTACT US

### **Head Office**

DRD House: 10/15-2A, Block-3,  
Hussaini Co-operative Housing Society,  
University Road, Karachi-74800 (Pakistan)  
Telephone: (+92) 21-34911213,  
(+92) 21-34913160 & 67  
Fax: (+92) 21-34913179  
Email: [info@drd.com.pk](mailto:info@drd.com.pk)

### **Regional Office North**

House No. 51-S, Imperial Garden Homes,  
Barki Road, Lahore Cantonment (Pakistan)  
Tel: +92 (42) 37190660