

GLOSSARY OF ABBREVIATIONS

ABS	American Bureau of Shipping
API	Acquisition Processing and Interpretation
BEC	Bid Evaluation Criteria
BHN / MHN Platform	Bombay / Mumbai High North Platform
BOP	Blow Out Preventer
CRC	Corporate Rejuvenation Campaign
DG Shipping	Director General of Shipping
DGH	Director General of Hydrocarbons
DTYS	Drilling Tools Yard Stores
E&P	Exploration & Production
EC	Executive Committee
EDR	Effective Day Rate
EIA	Environment Impact Assessment
EPC	Executive Purchase Committee
EPS	Early Production System
FYP	Five Year Plan
GOR	Gas Oil Ratio
GTO	Geo-Technical Order
HSE	Health Safety and Environment
IADC	International Association of Drilling Contractors
ICB	International Competitive Bidding
IIP / H	Initial in place / Hydrocarbon
IMO	International Maritime Organization
IRS	Indian Register of Shipping
ISM	International Safety Management
LD	Liquidated damages
LWD	Logging while Drilling
ML	Mining Lease
MM Manual	Material Management Manual
MM Section	Material Management Section
MMSCMD	Million Metric Standard Cubic Meter per Day
MMT	Million Metric Tonne
MMTOE	Million Metric Tonne Oil Equivalent
MODU	Mobile Offshore Drilling Unit.
MoEF	Ministry of Environment and Forest
MOH	Major Overhaul
MoPNG	Ministry of Petroleum & Natural Gas

MOU	Memorandum of Understanding
MPCB	Maharashtra Pollution Control Board
MWD	Measurement while Drilling
MWP	Minimum Work Programme
NDA	Noble Denton & Associates
NEERI	National Environmental Engineering and Research Institute
NELP	New Exploration Licensing Policy
NIT	Notice Inviting Tender
NL	New Location
NOA	Notification of Award
NOC	No Objection Certificate
ODS	Ozone Depleting Substances
OE	Oil Equivalent
OEM	Original Equipment Manufacturer
OSD	Other Shutdown
OSVs	Offshore Supply Vessels
PEL	Petroleum Exploration License
PMC	Policy Monitoring Cell
PMS	Preventive Maintenance Schedule
PSC	Production Sharing Contract
RE	Revised Estimate
REXB/RDB	Regional Exploratory Board/Regional Development Board
SAP	System Application Products in Data Processing
SLA	Service Level Agreement
SPCB	State Pollution Control Board
STO	Store Transfer Order
TDS	Top Drive System
TOH	Top Overhauling
WOI	Waiting on Instructions
WOL	Waiting on Logistics
WOM	Waiting on Material
WOW	Waiting on Weather

GLOSSARY OF TECHNICAL TERMS

Term	Description
Asset	It refers to an entity involved in production activities from the existing wells and transportation of oil and gas on onshore plants.
Baryte	A dense mineral used to add weight to drilling mud or increase the density of a liquid drilling fluid system, used to facilitate drilling wells.
Basin	A Depression in the earth's crust where sedimentary materials are accumulated over the years. With reference to ONGC, it refers to the entity involved in exploration related activities.
Block	Area identified in a field which is offered by the Government to prospective bidders under New Exploration Licensing Policy, for the purpose of exploration of oil and gas.
Blow Out Preventer (BOP)	When primary control of a well is lost due to insufficient hydrostatic pressure, it becomes necessary to seal the well by some means to prevent the uncontrolled flow, or blow out, of formation fluids into the atmosphere or into an underground formation. The equipment which seals the well is called the blowout preventer.
Casing Pipe	Metal pipe inserted into a well bore and cemented in place to protect both subsurface formations (such as groundwater) and the well bore. A surface casing is set first to protect groundwater. The production casing is the last one set. The production tubing (through which hydrocarbons flow to the surface) will be suspended inside the production casing.
Cementing	To fill the annulus between the casing and the wall of the hole with cement to support the casing and to prevent fluid migration between permeable zones.
Classification societies	Classification societies are organisations that establish and apply technical standard in relation to the design, construction and survey of marine related facilities including ships and offshore structures. These standards are issued by the classification society as published rules.
Class Certificate	A vessel that has been designed and built to the appropriate rules of a society may apply for a Certificate of Classification from Classification society. The society issues this certificate upon completion of relevant classification surveys. It is an attestation that the vessel is in compliance with the standards that have been developed and published by the society issuing the classification certificate.
Commercial Speed	One of the parameters used to evaluate the performance of rigs. It is calculated by dividing the meterage drilled by the rig months actually used for drilling considering from the time the rig is on location and ready to resume operation to Hermetical testing of production casing (to check any leakages before handing over the same for production testing) which is the commercial time of the rig.
Condition of class	When a surveyor identifies defects or damages which affect the ship's class, remedial measures and/or appropriate recommendations/ conditions of the class are implemented before ship continues in service. Condition of the class refers to the requirement that specific measures/repairs are to be carried out by the owner within the specified time limit in order to retain the class.
Cycle Speed	Rig release from various location to rig release from present location

	after drilling and production testing makes a cycle. It is a parameter used to evaluate the performance of rigs. It includes rig move time, drilling time, production testing time and completion time/well abandoning time. It is calculated by dividing the meterage drilled by total rig months available.
CRC	Corporate Rejuvenation Campaign was launched in August 2001. The restructuring has helped in revising the procedures, re-orienting attitudes, rebuilding relationships and reviving the pride of the Company. Administrative and financial authorities have been de-centralised for faster decision making process.
Developmental Wells	These Wells are drilled within the proved area of an oil or gas reservoir after exploration has proved successful.
Directional Well	A well intentionally drilled at an angle from the vertical.
Downhole Problems	The subsurface problems in well bore while drilling, which prevent or obstruct further drilling are termed as down hole problems.
Dry Dock	The process of sending a rig to ship yard where the rig can be subjected to 100% (out of water) inspection to undertake repairs, surveys in order to comply with the mandatory requirements/requirements of classification societies.
Effective Day Rate (EDR)	It is a notional rate worked out for evaluation of bids for charter hire of rigs on yearly basis. The formula for calculating EDR is : Mobilisation Fee+Operating Day Rate x 316 days x n + Non Operating Day Rate x 23 days x n+ Equipment Breakdown DR x 16 days x n + Moving Day Rate x 10 days x n + Demobilization fee + Customs Duty - Duty Draw back + Loading/365n (for the contract for 'n' number of years).
Exploration	The initial phase in petroleum operations that includes generation of a prospect and drilling of an exploration well. Appraisal, development and production phases follow successful exploration. Searching for oil and/or natural gas, including topographical surveys, geological surveys, seismic surveys and drilling wells.
Exploratory Wells	A well drilled to determine whether hydrocarbons are present in a particular area or structure.
Fishing Operations	Operations on the rig for the purpose of retrieving casing or other items from the well bore.
Gas Oil Ratio	The ratio of produced gas to produced oil, commonly abbreviated as GOR.
Geo-Technical Order	The Geo-Technical Order consists of geological & general data pertaining to well which provides broad guidelines for drilling the well.
Horizontal Well	Deviation of the borehole at least 80 degree from vertical so that the borehole penetrates a productive formation in a manner parallel to the formation.
Initial in-place Hydrocarbon (IIP/H)	The estimated quantity of oil and gas in field or lease.
IADC Report	IADC report is a report used for writing down the daily operations carried out by the rig.
Lay-up Repair	The process of sending a rig to shipyard where the rig can be subjected to inspection to undertake repairs and surveys in order to comply with the requirements of classification societies.

Logging Tools	Tools used to make a log (i.e.) to measure the depth or time, or both, of one or more physical qualities in or around a well e.g. LWD, MWD and wireline logging.
New Exploration Licensing Policy (NELP)	New Exploration Licensing Policy was formulated by the Government of India in 1997-98 to provide a level playing field in which all the parties may compete on equal terms for the award of exploration acreage. This was for accelerating the pace of hydrocarbon exploration in the country through which various blocks including deep-water acreages were offered for competitive bidding.
Offshore Supply Vessels	Any Barge, Boat or Ship that brings materials like water, casing pipes etc. and personnel to and from the rig site to supply
Platform	An offshore structure from which development wells are drilled and produced.
Production Testing	Tests in an oil or gas well to determine its flow capacity at specific conditions of reservoir and flowing pressures. This phase occurs after successful exploration and development drilling which hydrocarbons are drained from an oil or gas field.
Pug Marks	The changes in the sea bed levels and the leg marks left on the sea bed by jack up rig.
Rigs	It is an equipment used for drilling a well bore. There are various types of rigs like jack-up rigs, floaters, Modular rigs, etc. Further the jack up rigs can be further classified into Cantilever type jack-up rigs, Slot type jack-up rigs and Mat type jack-up rigs.
Rig Month	Total rig days divided by 30.
Rig Days	No. of days for which rigs were in operation/available.
Service Level Agreement	It is an agreement entered by various asset groups with services groups of ONGC containing the physical parameters which are to be achieved by such services group for the asset groups.
Side Tracking	To drill a secondary wellbore away from an original wellbore. A sidetracking operation may be done intentionally or may occur accidentally. Intentional sidetracks might bypass an unusable section of the original wellbore or explore a geologic feature nearby. In the bypass case, the secondary wellbore is usually drilled substantially parallel to the original well, which may be inaccessible due to an irretrievable fish, junk in the hole, or a collapsed wellbore.
Spudding	Process of starting the well drilling process by removing rock, dirt and other sedimentary material with the drill bit.
Suspension of class	Class is assigned to ship upon completion of satisfactory surveys and where conditions for maintenance of class are not complied with, class will be suspended/withdrawn or revised to different notations thereby ship may lose its class either temporarily or permanently. In the case of surveys that are not carried out within the specified time frame, or if the vessel is operated in a manner that is outside the classification designation, the suspension may be automatic.
Work-over Operations	Operations on a producing well to restore or increase production. A work-over may be performed to stimulate the well, remove sand or wax from the wellbore, to mechanically repair the well, or for other reasons.