



ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
(A Government of India Enterprise)

CONTRACTS DEPARTMENT
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EXPRESSION OF INTEREST (EOI) NO.

EOI/SEISMIC/G/003/2022-2023

DATED 14.09.2022

FOR

ACQUISITION OF SEISMIC DATA

1.0 PREAMBLE:

OIL INDIA LIMITED (OIL), a premier National Oil Company, is engaged in the business of exploration, production and transportation of crude oil and natural gas for over five decades. It is a Navaratna Company under Ministry of Petroleum and Natural Gas, Government of India and the second largest National Oil Company in the country.

As part of its strategy to strengthen its position as a leading operator, OIL is continuously carrying out seismic data acquisition, exploratory and development drilling in its operated acreages. OIL is currently carrying out domestic E&P activities in a total of 59 nos. of operated acreages. These include 25 nomination Petroleum Mining Leases (PML) (21 in Assam, 2 in Arunachal Pradesh and 2 in Rajasthan), 3 nomination Petroleum Exploration Licenses (PEL) in Arunachal Pradesh, 4 NELP blocks (2 in Assam, 1 in Mizoram and 1 in Andhra Pradesh), 29 OALP Blocks (12 in Assam & AP, 1 in Nagaland, 3 in Tripura, 5 in Rajasthan, 5 in Odisha, 2 in Andaman shallow offshore and 1 in Kerala Konkan shallow offshore) and 2 Discovered Small field (DSF) blocks (1 each in Tripura and in KG Shallow Offshore). The total operating acreages cover an area of 63,045 sq. km.

In connection with its ongoing exploration activities & Government sponsored programs for Hydrocarbon exploration, OIL has planned to carry out extensive exploration activity across the country by acquiring both 2D and 3D seismic data in the order of more than 3500 LKM/SQ. KM in next 3 to 4 years.

View above, OIL invites Expression of Interests (EOIs) from reputed and established E&P Service Providers for mapping of available resources of Service Providers for **'Acquisition of Seismic Data'**.

ANNEXURE-I

DETAILS OF THE EQUIPMENT & ACCESSORIES AVAILABLE WITH SERVICE PROVIDER FOR SEISMIC DATA ACQUISITION

Type of Equipment	Make/Model	Quantity	Vintage
SURVEY EQUIPMENTS			
(i) DGPS (RTK) System	a		
	b		
	c		
(ii) Total Station	a		
	b		
	c		
(iii) Software for survey data processing & management	a		
	b		
	c		
(iv) Hardware for survey data processing & management	a		
	b		
	c		
SEISMIC DATA RECORDING EQUIPMENT & PERIPHERALS			
(i) State of the art cable/node based seismic data acquisition recording system with 24-bit $\Delta\Sigma$ Technology.	a		
	b		
	c		
(ii) Seismic Cables / Nodes	a		
	b		
	c		
(iii) Seismic Sensors (single/Bunched)			
a. Analog	a		
	b		
	c		
b. Digital	a		

	b			
	c			
c. Hydrophone	a			
	b			
	c			
UPHOLE SURVEY SYSTEM				
(i) Uphole Survey Equipment	a			
	b			
	c			
(ii) Low Frequency & High Sensitivity Geophones/Hydrophones	a			
	b			
	c			
(iii) Software for processing and interpretation of Uphole data	a			
	b			
	c			
(iv) Hardware for processing and interpretation of Uphole data	a			
	b			
	c			
LVL SURVEY SYSTEM				
(i) LVL Survey Equipment	a			
	b			
	c			
(ii) Low Frequency & High Sensitivity Geophones/Hydrophones	a			
	b			
	c			
(iii) Software for processing and interpretation of LVL data	a			
	b			
	c			
(iv) Hardware for processing and interpretation of LVL data	a			
	b			
	c			

FIELD DATA QC PROCESSING SYSTEM

(i) Software	a			
	b			
	c			
(ii) Hardware	a			
	b			
	c			

SEISMIC SURVEY SIMULATION SYSTEM

(i) Software	a			
	b			
	c			
(ii) Hardware	a			
	b			
	c			

COMMUNICATION EQUIPMENT

(i) Walkie-talkies	a			
	b			
	c			
(ii) VHF radios	a			
	b			
	c			
(iii) SSB radios	a			
	b			
	c			

SHOT-HOLE DRILLING EQUIPMENT

(i) Manual	a			
	b			
	c			
(ii) Rotary	a			
	b			

	c			
(iii) Semi Mechanised	a			
	b			
	c			
(iv) Mechanised Rig	a			
	b			
	c			
(v) Mechanised Rig with casing while drilling	a			
	b			
	c			
OTHER SOURCE EQUIPMENT				
(i) Vibrators	a			
	b			
	c			
(ii) Marine Vibrator	a			
	b			
	c			
(iii) Riverine Dynamite Source	a			
	b			
	c			
(iv) Air Gun	a			
	b			
	c			

Notes:

1. The Service Provider may add extra lines in case of multiple make/model/vintage of equipment.
2. The Service Provider also need to mention their minimum possible mobilization time from date of LoA.
