

PRE-QUALIFICATION OF MANUFACTURER/ SUPPLIERS FOR SEISMIC DATA ACQUISITION SYSTEM, GROUND ELECTRONICS AND ITS PERIPHERALS , SEISMIC VIBRATOR AND VIBRATOR CONTROL ELECTRONICS AND PERIPHERALS THROUGH CALL OUT PURCHASE ORDER ON AS AND WHEN REQUIRED BASIS FOR A PERIOD OF 3 YEARS

The basic concept is to prequalify the internationally reputable Manufacturers of Seismic Data Acquisition system with its Ground Electronics and its peripherals, Vibrators and Vibrator control electronics.

OGDCL have 05 Seismic crew working in different areas of Pakistan. OGDCL wants to pre-qualify Firms for the purchase of Seismic data acquisition system with its Ground Electronics and its peripherals, Seismic Vibrator, vibrator control electronics.

Only those Manufacturer/ Bidder will be technically Pre-Qualified who is OEM of Seismic data acquisition system and Ground Electronics, Vibrators and vibrator control electronics as per technical evaluation criteria mentioned under “Technical Evaluation Criteria for a period of 03 years”.

TOR FOR SEISMIC DATA ACQUISITION SYSTEM GROUND ELECTRONICS AND PERIPHERALS

- a) Bidder must be OEM of Latest Network Land **cable-based and wireless telemetry** Seismic Data Acquisition system (24 bits), with minimum 100,000 active channels capability enhance able and its Ground Electronics to conduct 2D as well as 3D land seismic acquisition.
- b) OEM will confirm the following points on their letter head.
 - i. To provide all peripherals and Spares related to quoted data acquisition system including Shooting System, Communication System, Plotter/Printer, Storage Media, Electrical Power System (Generator), Recording Truck, Communication Equipment, Wireless Medium for crossing obstacles, Transition Zone Equipment, Testing Equipment etc.
 - ii. To provide all software and lifetime licenses along with warranty and Support.

Scope of Work for Pre-Qualification for Seismic Data Acquisition system, Vibrator and Vibrator Control

- iii. To Provide System with 24 bit convertor must be capable of recording, displaying digital seismic data from analog sensors, Hydrophones, Gimbles and transition zone equipment by using energy sources vibroseis, dynamite and air gun for 2D & 3D operations. The system be upgradeable to operate with digital sensors.
- iv. To provide Pre-loaded software for monitoring and recording GPS data from the vibrators, shooters and tracking of vehicle. Recording of vibrators/shooter QC/GPS data on the tape cartridge & storage disk will be provided.
- v. To provide Operating temperature for ground electronics is -40 to +70 degree C minimum.
- vi. To provide on site real time quality control system for quality assurance, quality control of seismic data
- vii. OEM must have minimum 25 years' experience for manufacturing Seismic Data Acquisition System to conduct 2D/ 3D seismic acquisition.
- viii. If bidder has not supplied its Seismic Data Acquisition System to OGDCL before then in order to confirm the performance, Bidder / OEM must provide the Satisfactory Performance Certificates with sale record from at least 05 different renowned international E & P Geophysical companies, mentioning the name, web address, mailing address, email, phone and fax details of users, for confirmation.
- ix. To provide Technical support and supply of spare parts for all the equipment for minimum 10 years.
- x. To provide all equipment must be with minimum 02 years warranty free of cost and free of freight charges for all defective/ wrong shipped items.
- xi. To provide in time commissioning and training any of the equipment after sale and arrival in Pakistan and it will be mandatory with bid at OEM cost else penalty will imposed.

TOR FOR VIBRATOR AND VIBRATOR CONTROL ELECTRONICS

- a) Bidder must be OEM of Servo Hydraulic Vibrator and Vibrator Control Electronics.
- b) OEM will confirm the following points on their letter head.
 - i. To Provide Vibrator digital control electronics with guidance system having digital / TDMA radio and DGPS System.
 - ii. To provide complete QC data base for real time/post processing analysis including, Phase, Distortion, Fundamental ground force.
 - iii. To Provide Vibrator Control Electronics must be capable to work with M/s Sercel and M/s INOVA Sesimic Data Acquisition Systems.
 - iv. OEM must have minimum 20 years' Experience of Manufacturing of vibrators and Minimum 10 Years for vibrator control electronics.
 - v. OEM must have sold minimum 500 No vibrators with minimum 60,000 lbs peak force.
 - vi. If bidder has not supplied its Servo Hydraulic Vibrator and Vibrator Control Electronics to OGDCL before then in order to confirm the performance, Bidder / OEM must provide the Satisfactory Performance Certificates from at least 05 different renowned international E & P Geophysical companies, mentioning the name, web address, mailing address, email, phone and fax details of users, for confirmation.
 - vii. To provide Technical support and supply of spare parts for all the equipment for minimum 10 years.
 - viii. To provide all equipment must be with minimum 02 years warranty free of cost and free of freight charges for all defective/ wrong shipped items.
 - ix. To provide in time commissioning and training any of the equipment after sale and arrival in Pakistan and it will be mandatory with bid at OEM cost else penalty will imposed.

Scope of Work for Pre-Qualification for Seismic Data Acquisition system, Vibrator and Vibrator Control

TECHNICAL EVALUATION CRITERIA

Technical proposal of the bid shall be reviewed first to determine/check its responsiveness and conformity with the requirement of bid. The technical evaluation will be carried out on the basis of information supplied by the bidders in their technical proposals and the criteria spelled out at Annexure-A/ITB provided with this document. The bidders securing 70 % or more marks will qualify. The detail breakup of the relevant information to be provided by the bidder and comprehensive marking criteria are tabulated below. There are five categories and the bidders are required to obtain full marks in category 1 and 4. If zero marks will be obtained in category 1 and 4, bidder will be considered technically non-responsive and bid will be rejected.

Sr. No	Description	Marks
1.	Bidder OEM of cable-based and wireless telemetry Seismic Data Acquisition system, Vibrator and Vibrator Control Electronics.	25
	Bidder not OEM of cable-based and wireless telemetry Seismic Data Acquisition system, Vibrator and Vibrator Control Electronics.	0
2.	Bidder/ OEM full filling all requirement mentioned in TOR for seismic data acquisition system ground electronics and peripheral	25
	Bidder/ OEM not full filling all requirement mentioned in TOR for seismic data acquisition system ground electronics and peripheral	0
3.	Bidder/OEM full filling all requirement mentioned in TOR for vibrator and vibrator control electronics.	25
	Bidder/ OEM not full filling any requirement mentioned in TOR for vibrator and vibrator control electronics.	0

Scope of Work for Pre-Qualification for Seismic Data Acquisition system, Vibrator and Vibrator Control

4.	Bidder/OEM Manufactured Seismic Data Acquisition system, Vibrator and Vibrator Control Electronics working in Pakistan.	25
	Bidder/OEM Manufactured Seismic Data Acquisition system, Vibrator and Vibrator Control Electronics not working in Pakistan.	0