

**PROCUREMENT DEPARTMENT, ISLAMABAD
FOREIGN SECTION E**

(To be completed, filled in, signed
and stamped by the principal)

ANNEXURE 'A'

Material SPARES FOR GROUND ELECTRONICS OF 428XL, G3I SEISMIC DATA ACQUISITION SYSTEMS & NZXP-II WZ RECORDER
Tender Enquiry No PROC-FE/CB/ECMP-5142/2021
Due Date
Evaluation Criteria ITEM WISE

SCHEDULE OF REQUIREMENT

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
1	WPSR 428XL 220M FDU 1-4 LINK/CABLE WITH FDU428 CONNECTING ASSEMBLIES (WITHOUT FDU CARD & LID ASSEMBLY) (details attached at Sr#1 of attachment)	Number	1750					
2	428XL FDU1 LID ASSEMBLY(details attached at Sr#2 of attachment)	Number	2500					
3	G3I RECEIVER LINE CABLE, 220M LENGTH, 4 TAKEOUT EACH @ 55M(details attached at Sr#3 of attachment)	Number	1750					
4	GEOPHONE SPREAD CABLE FOR REFRACTION SURVEY(details attached at Sr#4 of attachment)	Number	15					
5	STANDARD VERTICAL GEOPHONE 4.5 HZ FOR REFRACTION SURVEY(details attached at Sr#5 of attachment)	Number	200					

Note: **NOTE:**

1. Bid Validity: Bids must be **valid for 180 days** from the date of Technical Bid Opening.

2. Bid Bond Amount:

Item No. 1: USD 10,000/- (United States Dollar Ten Thousand only) or equivalent Pak Rupees.

Item No. 2: USD 340/- (United States Dollar Three Hundred Forty only) or equivalent Pak Rupees.

Item No. 3: USD 14,400/- (United States Dollar Fourteen Thousand Four Hundred only) or equivalent Pak Rupees.

Item No. 4: USD 530/- (United States Dollar Five Hundred Thirty only) or equivalent Pak Rupees.

Item No. 5: USD 730/- (United States Dollar Seven Hundred Thirty only) or equivalent Pak Rupees.

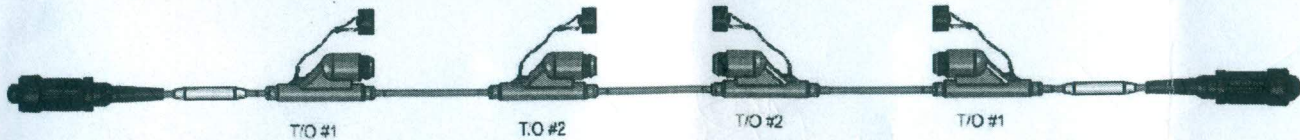
Bid Bond must be valid for 210 days from the date of Technical Bid Opening. Bidders are advised to carefully read all clauses related to Bid Bond in Tender Document.

3. Evaluation Criteria: - Each Item Wise CFR Karachi

4. Delivery Period: 120 days from establishment of LC

5. Bidders are advised to carefully read all the terms and conditions of the Tender Document "Master Set of Foreign Tender Document (Press-Single Stage Two Envelop)" available on OGDCL website which is an integral part of this Schedule of Requirement

Attachment "Import of Spares required for Ground Electronics of 428XL, G3i Seismic Data Acquisition Systems & NZXP-II WZ Recorder" Requisition No: ECMP(GS)/S1/2021 Dated: 30-07-2021 (Annexure "A")

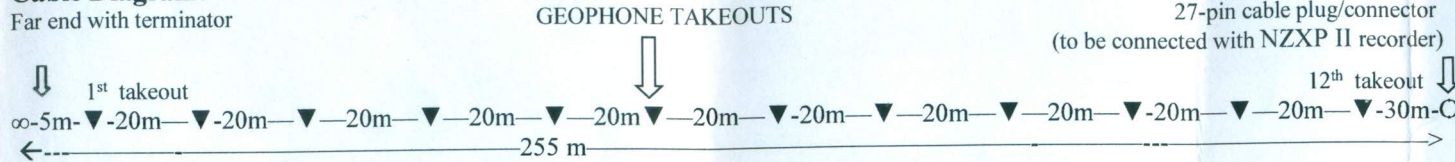
Sr#	DESCRIPTION	UNIT	QTY	INDEX NO
1	<p>WPSR 428XL 220M FDU 1-4 LINK/CABLE WITH FDU428 CONNECTING ASSEMBLIES (WITHOUT FDU CARD & LID ASSEMBLY) It is made up of water proof & stress relieve cable with conductor type stranded, double jacket, diameter 9-10 mm maximum, weight 90-100 kg/km, tensile strength 250 daN, minimum operating water depth 15 meter. Operating Temperature: -5 to +55°C approximately 220 meters cable includes 03 Intermediate links of 55M length and 02 End Links of 27.5 M length with FM-4 connectors with dust caps. All links will be connected (embedded) to each other by 428XL FDU-1 connecting assembly with ground nut & clamp. Includes: 04 No O-ring of FDU428 lid assembly and 32 Nos screws of FDU428 lid assembly will be provided as spare with each above FDU 1-4 link/ cable.</p>	Nos	1750	Fresh Demand
2	<p>428XL FDU1 LID ASSEMBLY Equipped geophone socket for 428 FDU-1 including 428 FDU-1 complete lid assembly along with its geophone socket, dust Cap and O-ring.</p>	Nos	2500	55-81-307-F
3	<p>G3I RECEIVER LINE CABLE, 220M LENGTH, 4 TAKEOUT EACH @ 55M</p> <ol style="list-style-type: none"> Each 220m receiver line water blocked cable consists of (2) 12-pin "Quick Lock Connectors" and (4) inline screw on, with 5515 female take outs with dust caps spaced @ 55m. 4-pairs used for sending commands or data routing, and 2-pairs connect to the sensor to transmit seismic data Receiver Line Connectors = 2 x 12-pin G3i Quick Lock Connectors with dust caps. Configuration = 6 x 26 AWG pairs Operational water depth = 5m Weight = 19.5 kg (Maximum) Pull strength = 273kg (600 lbs) Outer diameter = 9.2mm to 9.4 mm Water blocking = cable,cable heads and take outs <p>Cable Diagram:</p> 	Nos	1750	66-13-024-F
4	<p>GEOPHONE SPREAD CABLE FOR REFRACTION SURVEY Standard 12-channels spread cable with molded / Pigtail water proof dual 5515 male & female push fit connector or equivalent with dust cap , having following configuration:</p> <ol style="list-style-type: none"> Far end of the cable & first take-out has 5-meter interval. Far end has a terminator. All intermediate take-outs has an equivalent 20 meters interval (Total intervals = 11) 	Nos	15	55-18-004-F

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- c. 30 meters length between 12th take-out and soldered 27-Pin connector cannon NK-27-21C for 12-wirepair geophone cables. Connector to be connected & compatible with Strata visor 24-channel Exploration Seismograph NZXP II recorder.
- d. Total length of cable = 255 meters.
- e. Technical schematic diagram must be provided in technical bid with proper labelling and showing cable configuration.

Includes: 01 No 27-Pin connector will be provided as spare with each cable

Cable Diagram:

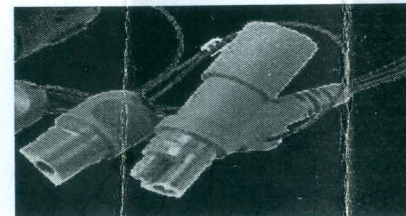


5 STANDARD VERTICAL GEOPHONE 4.5 HZ FOR REFRACTION SURVEY

A geophone wired at one end of 2-conductor geophone cable having length= 1 meter and other end of cable is connected to waterproof dual 5515 male & female push fit connector (diagram given) or equivalent with dust cap . Geo- cable must have one molded polyurethane pick-up D-loop spaced at **0.5 meter** interval.

Geophone coil is up right vertical, housed in water proof Geophone land case with 3.00" to 3.25" inch rust proof **brass** spike.

- Natural frequency:** 4.5 Hz (Tolerance: ± 10.0%)
- Coil resistance:** 375 Ohms (Tolerance: ± 5 %)
- Distortion:** ≤ 0.3%
- Damping:** 0.50% to 0.66%
- Sensitivity:** 28.8 V/m/s (Tolerance: ±7.5%)
- Operating Temperature:** - 40 degrees C to +70 degrees C



Includes: 01 No connector will be provided as spare with each geophone.

Nos	200	55-18-006-F
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Terms and Conditions:

- i. Delivery period: 120 Days (Maximum).
- ii. Evaluation will be on "Each Item Wise" and C & F by Sea price basis.
- iii. The bidder must be original equipment manufacturer (OEM) of the quoted indented items. Bid from middleman, distributor or supply house would not be accepted.
- iv.
 - a. The bidder must have minimum 05 years' experience of manufacturing such type of equipment. Experience will be considered from date of sale contract. Sale record (unpriced) to be provided with bid as proof, mentioning complete contact information of buyer i.e. name of buyer company, quantity sold, date of contract, email, web address, postal address, contact number etc.
 - b. The bidder will provide the satisfactory performance certificate from 03 different renowned international geophysical companies working for seismic data acquisition that they are using same type of indented items satisfactory, providing contract copy(unpriced) & mentioning the complete contact information i.e. name of buyer company, quantity sold, date of contract, email, web address, postal address, contact number etc.

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v.

- a. Bidder must provide samples (excluding spares) along with the bid for technical evaluation purpose;
 - i. Item No. 1,2,3 & 5= 01 No each
 - ii. Item No 4= 01 meter cable along with molded / Pigtail water proof dual 5515 male & female push fit connector or equivalent with dust cap at one side of cable and soldered 27 pin cannon NK-27-21C connector at other side of cable as per configuration of NZXP II/indent specifications.
- b. Non submission of samples along with the bid will result in the rejection of bid.
- c. Samples will be tested in Laboratory and Field, if not found as per specification or incompatible as required at vii(f), bid will be considered as technically non responsive.
- d. All items should be clearly embossed/ printed or tagged with manufacturer's monogram / name on it in English, for identification. Samples without monogram/name will be considered as rejected.

vi.

- a. Mandatory Third Party Pre-Shipment Inspection (TPI) of all material will be arranged at manufacturer's work place by OGDCL as per Scope of Work/Purchase Order. Bidder will provide full co-operation to 3rd party inspection team. Without 3rd Party Pre-shipment inspection, the material will not be accepted. 01 OGDCL professional may also witness TPI at OGDCL cost for which separate case will be initiated after issuance of purchase order.
- b. TPI SOW is limited to physical inspection/testing of equipment that does not void the performance/operational capability & warranty of equipment from OEM as already agreed/defined in TOR/SOR.

vii. Bidder will provide following mandatory documents /certificates along with the bid: -

- a. Valid quality certification, ISO9001 or equivalent.
- b. Signed & stamped compliance sheet including complete TOR/SOR with all term & conditions.
- c. Experience Certificate for 05 years manufacturing of such type of items in addition to sale contract to be provided as per clause iv(a).
- d. Brochure of the indented items in English including diagrams/drawings of all items for technical evaluation.
- e. Provide certificate that all material is brand new.
- f. Compatibility certificate that Quoted items Sr# 1-2 are compatible with Sercel 428XL ground electronics, quoted items Sr# 3 is compatible with INOVA G3i HD ground electronics, quoted item Sr# 4 is compatible with 24 channels Seismograph NZXP II WZ recorder and quoted item Sr# 5 is compatible / fit able with quoted item Sr # 4.
- g. Standard Warranty Certificate for all indented items with minimum 06 months warranty mentioning that if any item found defective or incompatible as per clause vii (f), it will be replaced as warranty replacement at no cost to OGDCL. Also, local agent will be fully responsible for in time warranty replacement.
- h. Item at Sr#1, 3, 4 & 5 are water proof as mentioned in specifications.

viii.

Packing of all materials will be as per Geophysical industry standards in pallet form having proper labelling.

ix.

Failure in meeting any criteria mentioned in specifications or any terms & conditions will result in rejection of the bid.

x.

Reference Clause No 4 (Section-I) of tender document, all documents being provided should be in English. In case any document is in other language, bidder is required to submit its translated English version along with copy of original document.