

CHANGES IN TECHNICAL SPECIFICATIONS

For Sr No 1 & 2 Land & Marshy Geophone strings:

(a)Connector Type. "Both ends of Geophone strings be terminated with water proof '5517 Push Fit' or equivalent connector array with dust cap "may please be read as:-

"Both ends of Geophone strings be terminated with water proof '5517 Push Fit' or equivalent connector array(male - female) with dust cap having interval of 0.5 m between male and female connectors. The D-loop between the male and female connector must be at a distance of 0.25m"

(b) Lead-in 27.5 meters "at both ends using 2/3 -conductor geo-cable. Geo- cable must have molded polyurethane pick-up D-loops spaced at 1.25 meter to 1.30 meter intervals. Each Geo-string be collected on a carrying hasp of iron with rust proof coating. The total length of geo- string is 99 meters" may please be read:-

"at both ends using 2/3 -conductor geo-cable. Geo- cable must have molded polyurethane pick-up D-loops spaced at 1 meter intervals. Each Geo-string be collected on a carrying hasp of iron with rust proof coating. The total length of geo- string is 99 meters."

For Sr No 6"STANDARD VERTICAL GEOPHONE 4.5 HZ FOR REFRACTION SURVEY COMPATIBLE WITH NZXPII WZ RECORDER" (OPTIONAL):

The word MPS-16 may be read as:-

"MP-16 dual (Male-Female) or compatible connector with dust caps".

In The terms and condition 6(b): "Bidder will confirm to provide Land / Marshy Geophone String having 0.26 – 0.28 meters distance from Geophone to Last molded D-loop, so that all geophones in a string may lay in center while in hanging position in hanger" may please be read as:-

"Bidder will confirm to provide Land Geophone String having 0.25 meters distance from Geophone to nearest molded D-loop, so that all geophones in a string may lay in center while in hanging position in hanger".

As per Terms and condition clause 5, Bidder will also provide test results of the provided Samples with the Bid for Item at Sr. No. 1, 2, 3 and 6 rest of condition will remain same.

TECHNICAL CLARIFICATION REGARDING TENDER ENQUIRY NO

FE/CB/ECMP-3238/2018

Technical Clarifications required by Bidders

Sr.No	Question by Bidders	Answer By OGDCL
1.	What kind of 5517 push fit connector for Land geophone string is ? How about the distance from 5517 Male connector to Female is?	It is a 5517 Push Fit array with separate male and Female connector with dust caps or equivalent connector and distance between male and female connectors should be 0.5 M.
2.	What kind of 5517 push fit connector for Marsh geophone string is? How about the distance from 5517 Male connector to Female is?	It is a Marsh 5517 Push Fit array with separate male and female connector with dust caps or equivalent connector and distance between male and female connectors Should be 0.5 M.
3.	What kind of MPS-16 connector for 4.5Hz geophone string is?	It is a 'MP-16 dual connector' with dust caps.
4.	Standard vertical geophone 4.5 Hz, it says shunt=4000 OHM. We found that, with shunt=4000 OHM, the damping will be 0.9 which is out of testing scope of tester. We need to confirm with OGDCL about this shunt=4000 OHM is Correct? or if 4000OHM is correct, do OGDCL care damping value 0.9 ?	Yes 4000 OHM shunt is correct and bidder will provide test of coil with the bid tested by OEM with available tester at Manufacturing Facility.
5.	Land geophone string -We presume that required cable should be water proof. Please Confirm. -Can we use connector of orange color?	Yes It Should be Water Proof No color Preference for connector
6.	Marsh geophone string -We presume that required cable should be water proof. Please Confirm. -Can we use connector of orange color?	Yes It Should be Water Proof No color Preference for connector
7.	Standard vertical Geophone 4.5H We need to know what kind of MPS-16 connector it is? Is it a MP-16 male connector with banana pin? Meanwhile, the damping will be 0.897 with 4000 Ohm shunt but for a geophone tester like SMT, the damping test range is 0.8 max. In this way, the SMT can't test the damping correctly. Kindly explain.	Yes, it is 'MP-16 dual connector' with banana pins. Regarding 'damping test' bidder will provide available test results of 4.5 Hz Geophone by a Geophone tester.
8.	With reference to point no. 6b. in Terms and Conditions, For land/ marsh string, distance from geophone to last molded D loop is 0.26-0.28 meters but in the description of item 2 it is different, i.e., 0.35m from the marshy geophone case entry point. Please confirm	Yes, for drop cable molded D loop be installed at 0.35 M from the Marsh phone case entry point.
9.	In addition, for the position of D loops for marsh string, it is different with the technical standard in the description of item 2, marshy geophone string: a molded D loop to be installed at 0.35m from the marshy geophone case entry point. We made a design of D loop position which is as attached. With this design, all geophones in the string will lay in the center after hanging in the hanger (Carry hasp.). Please confirm is this acceptable to OGDCL.	'Terms and condition clause 6b' is applicable to Land geophone Strings only.