REVISED TECHNICAL EVALUATION REPORT

RFP NO.: OGDCL-SCM-FD-EXPL-241501211-2024-

DESCRIPTION OF THE RFP: WIRELESS SEISMIC DATA ACQUISITION SYSTEM WITH 12000 NODES

TECHNICAL BID(S) OPENING DATE: 26-06-2024

S. No.	Name of Bidder	Status (Technically Responsive/ Non- Responsive)	Remarks (Reasons of Rejection)
1	M/s Inova Geophysical Inc, USA	**YES**	
2	M/s Sercel, France	**YES**	

Note:

1. Bidder may submit grievance within Seven (07) days of announcement of Technical Evaluation Report.
2. The grievance if any shall be sent to bgrc@ogdcl.com as per format available on OGDCL website.

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S#	Attribute	M/s Sercel, France WiNG NT	Marks obtained	M/s INOVA,USA Quantum Accuseis	Marks obtained	Marks Distribution
1	Sensor type (MEMS accelerometer or piezoelectric sensor option)	MEMS	15	MEMS	15	MEMS : 15 Other than MEMS: 7
2	Ease of deployment : Initialization/start mechanism of node (self-initializing & self test mechanism or need ancillary equipment to initialize each node individually)	Yes	5	Yes	5	Yes: 5 No: 0
3	Weight	830 g (MEMS Sensor with spike)	5	521 g (MEMS Sensor with spike)	5	≤ 500 g: 7 500 g≤ weight≤ 1000 g : 5 ≥1000 g:0
4	Battery life of for autonomous recording by a node: 24 h operation	24 h: 40 days	2	24 h: 23 days	0	≥50 days: 3 50≥days≥25 days:2 ≤25 days:0
5	Warranty of nodes	3 years	5	3 years	5	3 years or more: 5 2 years or more:3 Less than 2 years: 0
6	Same node for swamp areas, lakes, water crossings /transition zone	AFU & DFU	0	Quantum Accuseis & Quantum	0	Yes: 5 No: 0
7	Timing accuracy for GPS	≤ ±5 µsec	5	≤ ±20 µsec	2	≤ ±5 µsec: 5 ±5 ≤ time ≤ ±20 µsec: 2 ≥ ±20 µsec:: 0
8	Time taken to deploy and initialize a node: Delay or No delay	Instantaneous	5	Instantaneous	5	No delay time: 5 <1 min=2 >1 min: 0
9	GPS(No of constellations support)	2	0	4	3	≥3: 3 < 3: 0
10	Theft alarm support & Theft monitoring mechanism	No	0	No	0	Yes: 4 No: 0
11	Cabled data acquisition system manufecturer as well as nodal system manufacturer (yes / no)	Yes	4	Yes	4	Yes: 4 No: 0
12	Reliability, effectiveness, efficiency & scucdul operations in field of nodal system (Expereince: 5 years, Sale: 400K)	2019:400K+	3	2016:600K+	3	> 5 years(400K) : 3 < 5 years(400K) : 0
13	Connectivity accessibility range (KM) for remote status of node monitoring while sitting at base camp	Pathfinder	5	HyperQ	5	≥5 KM: 5 ≤5 KM:0
14	Memory of node	4 GB (compressed)	0	16 GB	2	≥ 16 GB: 2 ≤ 16 GB: 0
15	Data harvesting/downloading per node for full memory (16 GB) in camp	2:30 hours	0	20 minutes	0	≤1 min:4 1≤ min ≤5: 2 ≥ 5 min: 0
16	Instantaneous Dynamic range	128 db (MEMS Sensor)	2	118 db (MEMS Sensor)	0	≥125 db : 2 ≤125 db:0
17	Charging time from zero to full capacity per node in camp	<=6 hours	0	<=3 hours	3	≤3 hrs:3 >3 hrs:0
18	Ease of charging & downloading in rack: exposed pins or charging is through optical / contact button etc that just needs to put in wihtout need to plug-in charger.	Easy charging & downloading as nodes just need to plug-in	2	Easy charging & downloading as nodes just need to plug-in	2	with contact button or optical link: 2 charger needs to connect to each node: 0
19	Harvesting and charging system /rack (same or separate)	Same rack	3	Same rack	3	Same Rack: 3, Different Racks: 0
20	Fully capable of Field harvesting of seismic data (yes / no)	Yes (with field harvestor)	5	Yes (with portable system)	5	Yes: 5 No: 0
21	operating temperature of central system	0 to +35C (Client Server)	1	0 to +45C (SPM/TPM)	1	minus 40 to 70 = 3 0 to 35 = 1 Any other = 0
22	Node repairable or not	Yes	2	Yes	2	Yes:2 No:0
23	Node frequency support	0-400 HZ	3	0-400 HZ	3	0-400 HZ: 3 other: 0
24	Nodal operation with 100,000 active nodes support and operation performed any where in world (yes / no)	No	0	Sale record of 100,000+ channels provided without operationl proof	0	Yes: 2 No: 0
	TOTAL MARKS		**72**		**73**	**100**