

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	Marks obtained	M/s INOVA,USA	Marks obtained	Marks Distribution
		WiNG ^{NT}		Quantum Accuseis		
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	480 g (MEMS Sensor with spike)	7	≤ 500 g: 7 500 g ≤ weight ≤ 1000 g : 5 ≥ 1000 g: 0 ≥ 50 days: 3
4	Battery life of for autonomous recording by a node: 24 h operation, 12 h operation	24 h: 40 days 12 h: 80 days	3	24 h: 23 days 12 h: 46 days	2	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	synchronized to GPS	5	synchronized to GPS	5	≤ ±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 manufacturer as well as nodal system manufacturer (yes / no)	Yes	4	Yes	4	Yes: 4 No: 0
12	Reliability, effectiveness, efficiency & scudul 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 without 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 harvester)	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 operation proof	0	Yes: 2 No: 0
TOTAL MARKS			73		80	100