

Requirement of imported instrument/Equipments for next 3/5 year for AMD (GTE Items) Year:2023-2027				
Sl. No.	Name of Instrument/Equipments	Estimate Cost per unit in Lakhs	No. of Unit	Total Amt. (Lakhs)
ASRS				
1	Heliborne TDEM, Magnetic and Gamma ray spectrometric system	3500.00	1	3500.00
2	AGRS system (Detector Pack of 16.8 lit downward and 4.2 lit upward)	300.00	1	300.00
3	Airborne Magnetometer(optical pumping)	40.00	2	80.00
4	Base station magnetometer(Proton precession)	20.00	2	40.00
5	Drones for Geophysical surveys with pay load 15 kg	20.00	2	40.00
6	Drone-based Gamma ray spectrometric system	30.00	2	60.00
7	Drone-based Hyperspectral-Lidar system	30.00	3	90.00
8	Drone-based GPR System	30.00	1	30.00
9	Drone-based magnetometer system	20.00	2	40.00
10	Radiospectrometers	100.00	2	200.00
11	Portable Gamma ray spectrometers	15.00	4	60.00
12	Handheld XRF meter	50.00	2	100.00
13	Magnetic Susceptibility/Conductivity/Density measuring meters	7.50	4	30.00
CHEMISTRY				
14	Inductively coupled plasma Optical Emission Spectrometer	100.00	3	300.00
15	Graphite Furnace AAS	50.00	2	100.00
16	Carbon-Sulphur analyzer	50.00	2	100.00
17	Spectrofluorometer	30.00	1	30.00
18	CHNS Analyzer	60.00	1	60.00
19	Ion Chromatography (IC)	75.00	1	75.00
20	Flame AAS with Hydride generation assembly	35.00	5	175.00
21	UV-VIS spectrophotometer	10.00	4	40.00
22	Microwave assisted digestion system (MDS)	35.00	3	105.00
23	Glassware washer	15.00	4	60.00
24	Microwave muffle furnace	25.00	3	75.00
25	FT- IR spectrometer	40.00	2	80.00
26	High pressure Asher	20.00	2	40.00
27	High Resolution Inductively Coupled Plasma Mass Spectrometer (HR-ICP-MS)	520.00	1	520.00
28	Simultaneous ICP-OES	225.00	1	225.00
29	High Resolution Continuum Source Atomic Absorption Spectrometer	60.00	1	60.00
30	Potable Helium Deterctor	20.00	1	20.00
31	Quadrapole Inductively Coupled Plasma Mass Spectrometer (QP-ICP-MS)	225.00	1	225.00
32	Total Reflection XRF (TXRF)	150.00	1	150.00

	DRILLING			
33	Heavy Duty Straight Pipe wrenches of "RIDGID" (strait assorter size)	0.12	1375	165.00
	EGPG			
34	Ground geophysical High sensitivity Gravity meter with fused quartz sensor for measuring relative variations in the Earth's gravity field. Instrument resolution should be 0.001mGal and operating range of 7000 m Gal with inbuilt GPS.	170.00	3	510.00
35	Vehicle mounted multi-para borehole logging system	250.00	1	250.00
36	Ground penetrating Radar (GPR)	50.00	3	150.00
37	Seismic system	900.00	1	900.00
38	Proton Precession Magnetometers	15.00	15	225.00
	GEOLOGY (WR-2, NR-1, SR-1)			
39	Borehole Camera/ Borehole Trajectory Measurement System	110.00	4	440.00
40	Reflex EZ Track Borehole camera including standard accessories, counter and transport box, Training and Support	65.00	1	65.00
	MPG			
41	Thermal Ionization Mass Spectrometer (TIMS)	1036.00	1	1036.00
42	Wavelength Dispersive X-Ray Fluorescence Spectrometer (WDXRF)	305.00	1	305.00
43	High Resolution XRD System With Attachments, Software And Accessories	300.00	2	600.00
44	Laser Ablation High Resolution Inductively Coupled Plasma Mass Spectrometer (LA-HR-ICP-MS)	1015.00	1	1015.00
45	Scanning Electron Microscope With EDX / CL /EBSD Attachments	500.00	1	500.00
46	Isotope Ratio Mass Spectrometer (IRMS)	250.00	1	250.00
47	Laser Raman Spectrometer	125.00	1	125.00
	PHYSICS			
48	Motorized winch for logging	100.00	7	700.00