सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

परमाणु ऊर्जा विभाग

DEPARTMENT OF ATOMIC ENERGY

परमाणु खनिज अन्वेषण एवं अनुसंधान निदेशालय

ATOMIC MINERALS DIRECTORATE FOR EXPLORATION AND RESEARCH

SCHEDULE OF CHARGES FOR PROFESSIONAL AND TECHNICAL SERVICES

राष्ट्र की सेवा में परमाणु

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AMD

ATOMS IN THE SERVICE OF THE NATION

हैदराबाद Hyderabad

जुलाई 2024 July 2024

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GENERAL TERMS AND CONDITIONS

1. **Full charges (Normal rates) shall be levied for the Indian Companies and the Public Sector Undertakings.**

2. **Services required by Government Agencies/ units of the DAE/ Academic Institutions within India shall be charged at 50% of the *"Schedule of Charges"*.**

3. **Intellectual Fees of 12% has been charged for laboratory services. The projects that involve field work, sample analysis, data interpretation and submission of comprehensive reports have been charged with 100% Intellectual Fees.**

4. **All Multi-National companies even those with more than 50% foreign equity shall be charged as per the *"Schedule of Charges"* applicable to Indian companies and Public Sector Undertaking.**

5. **Selling of full reports pertaining to Beach Sand Minerals (BSM) deposits (with authentication) on exclusive basis to each agency to be ensured at the time of sale with appropriate clause in sale agreement. Notified Cost Inflation Index (CII) by the Income Tax Department can be utilised to calculate the ambient charges for complete report up to the year in which the reports are to be sold.**

6. **Rate of the BSM reports generated prior to 2000-2001 have been recalculated and rationalised to the rates at the base year 2000-2001**

7. **18% GST shall be charged on the total amount in individual cases.**

8. **No food, drug or biological samples of any kind will be analysed as AMD is not recognised for the purpose under the relevant Act.**

PHYSICS LABORATORIES

Sl. No.	Analysis Code	Nature of Analysis	Schedule of charges (Rs.)
1	PHY-1	Radiometric Analysis of eU_3O_8 **(Per sample)**	945
2	PHY-2	Radiometric analysis of eU_3O_8, ThO_2, Raeq. & K **(Per sample)**	5,125
3	PHY-3	Spectrometric ppm level analysis for eU_3O_8, ThO_2, Raeq & K **(Per sample)**	9,020
4	PHY-4	eU_3O_8 & U_3O_8 determination by Beta-Gamma method **(Per sample)**	3,970
5	PHY-5	Radiometric determination of Monazite equivalent **(Per sample)**	5,770

CHEMISTRY LABORATORIES

Sl. No.	Analysis Code	Nature of Analysis	Schedule of Charges (Rs.)
1.	CHE-1	Quantitative chemical analysis of rock by wet chemical methods **(Per sample)** [SiO_2, Al_2O_3, FeO, Fe_2O_3, TiO_2, CaO, MgO, MnO, Na_2O, K_2O, P_2O (+/-), H_2O]	25,233
2.	CHE-2	Quantitative chemical analysis for REEs by ICP-OES **(Per sample)** [REEs- La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, Sc]	31,056
3.	CHE-3	Quantitative chemical analysis by Flame AAS / ICP-OES **(Per sample per element)** (T. Iron, Al, Mn, Mg, Ca, Ag, As, Au, Bi, Cd, Co, Cs, Cr, Cu, Li, Ni, Pb, Rb, Zn, Th, Ti, Ba, Be, Bi, Ga, Hf, Mo, Nb, Sn, Sr, Ta, V, W, Zr)	1,941
4.	CHE-4	Quantitative chemical analysis by Pellet and LED Fluorimeter for Uranium in rocks and water sample **(Per sample per element)**	1,941
5.	CHE-5	Quantitative chemical analysis of cations and anions in water samples (**Per sample per estimation)** (pH, TDS, Cond, CO_3^{2-}, HCO_3^-, Cl^-, F^-, SO_4^{2-}, Na^+, K^+, Ca^{2+}, Mg^{2+})	1,941

6.	CHE-6	Quantitative chemical analysis for TIC, TOC, TC & S by C-S Analyser **(Per sample per estimation)**	1,941
7.	CHE-7	Quantitative chemical analysis of Au & PGE's by Fire Assay **(Per sample per estimation)** (Au, Pt, Pd, Rh, Ru, Ir, Os)	5,891

MINERALOGY-PETROLOGY-GEOCHEMISTRY (MPG) LABORATORIES

Sl. No.	Analysis Code	Nature of Analysis	Schedule of Charges (Rs.)
1. PETROLOGY LABORATORY			
1.1	PET-1	Comprehensive petro-mineralogical studies of radioactive and non-radioactive rock samples **(Per sample)**	30,568
1.2	PET-2	Petrological studies of rock samples with reference to modal mineralogy, texture and rock nomenclature **(Per sample)**	15,284
1.3	PET-3	Petrological studies of rock samples with reference to mineral assemblage and rock nomenclature **(Per sample)**	9,377
1.4	PET-4	Comprehensive mineragraphic / ore mineragraphic studies of minerals and ores **(Per sample)**	15,284
1.5	PET-5	Identification and qualitative estimation of mineral constituents in rock powder inclusive of heavy liquid and magnetic separation of heavies (for 16 fractions) **(Per sample)**	3,70,747

Sl. No.	Analysis Code	Nature of Analysis	Schedule of Charges (Rs.)
2. XRD LABORATORY			
2.1	XRD-1	Characterisation of six or more mineral phases (Non-Metamict) in rock / sand sample **(Per sample)**	42,146
2.2	XRD-2	Characterisation of single non-metamict mineral phase **(Per sample)**	7,024
2.3	XRD-3	Characterisation of single metamict mineral phase **(Per sample)**	21,073
2.4	XRD-4	Characterisation of single clay mineral phase **(Per sample)**	7,024
2.5	XRD-5	Determination of unit cell parameters of single mineral/ore **(Per sample)**	14,049
2.6	XRD-6	Determination of triclinicity of single microcline sample **(Per sample)**	7,024
3. XRF LABORATORY			
3.1	XRF-1	Analysis of rocks, minerals and soils **(10 major oxide per samples)**	7,750
3.2	XRF-2	Analysis of rocks, minerals and soils **(10 trace elements per samples)**	7,750
3.3	XRF-3	Analysis of rocks, minerals and soils **(10 major oxides + 10 trace elements per samples)**	11,625
3.4	XRF-4	Analysis of Columbite-Tantalite **(07 elements per sample)**	5,425

SL. NO.	Analysis code	Nature of analysis	Schedule of Charges (Rs.)
4. GEOCHRONOLOGY LABORATORY			
4.1	GEOCHRO -1	Age dating of rocks and minerals by Rb-Sr, Sm-Nd and Pb-Pb systematics (Integrated age dating) **(Per Sample)**	2,15,181
4.2	GEOCHRO -2	Age dating of rocks and minerals by Rb-Sr systematic **(Per Sample)**	71,727
4.3	GEOCHRO -3	Age dating of rocks and minerals by Sm-Nd systematic **(Per Sample)**	1,25,522
4.4	GEOCHRO -4	Age dating of rocks and minerals by U-Pb systematic **(Per Sample)**	71,727
4.5	GEOCHRO -5	Age dating of rocks and minerals by Pb-Pb systematic **(Per Sample)**	71,727
4.6	GEOCHRO -6	Estimation of Nd isotopic concentrations in rocks and minerals **(Per Sample)**	71,727
4.7	GEOCHRO -7	Estimation of Sr isotopic concentrations in rocks and minerals **(Per Sample)**	35,864
4.8	GEOCHRO -8	Estimation of Sr and Nd isotopic concentrations in rocks and minerals **(Per Sample)**	71,727

5. STABLE ISOTOPE LABORATORY			
5.1	SIL-1	Analysis of C and O stable isotope in carbonate rocks / minerals **(Per sample)**	26,000
5.2	SIL-2	Analysis of S stable isotope in sulphides **(Per sample)**	26,000
5.3	SIL-3	Analysis of C stable isotope in organic matters **(Per sample)**	26,000
5.4	SIL-4	Analysis of O stable isotope in silicate / oxides **(Per sample)**	52,000
6. ELECTRON PROBE MICRO ANALYSIS LABORATORY			
6.1	EPMA-1	Single point analysis including coating **(Per sample)** **[With a provision of maximum five (05) points in a sample/ thin section for Rs. 25,000/- and each additional point in that sample charged at Rs. 5,000/-]** **(Epoxy mounting medium)**	5,000

BEACH SAND & OFFSHORE INVESTIGATION GROUP (BSOI)

Cost of Complete Report / sq. km. (Rs.)		
Year	**Detailed Exploration**	**Reconnoitory Exploration**
2000	3,57,170	1,32,012
2001	3,03,200	1,12,256
2002	3,83,940	1,41,696
2003	3,88,000	1,43,328
2004	3,62,220	1,33,976
2005	3,75,360	1,39,616
2006	5,04,020	1,88,576
2007	7,82,400	2,90,520
2008	17,64,260	6,47,440
2009	14,88,000	5,50,408
2010	19,36,270	7,12,220
2011	16,70,670	6,18,508
2012	16,91,550	6,27,292
2013	15,73,810	5,85,324
2014	15,70,270	5,84,532
2015	23,69,480	8,75,136
2016	30,02,210	11,14,060
2017	43,26,830	15,99,364
2018	43,20,380	16,01,080
2019	57,30,400	21,15,432
2020	61,47,320	22,70,272
2021	34,69,080	12,96,392

RARE METALS AND RARE EARTHS GROUP (RMRE)

Particulars	**Amount (Rs.)**
Rate of drilling / meter including cost of drilling in hard rock, lithologging of core and preparation of samples for RMRE investigations **(Rupees / meter)**	29,216/-