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NOTIFICATION

No. B. 19011/51/94- IND, the 28th September, 2016. In supercession of this Department's Notification of even No. dt.3.8.2000, the Governor of Mizoram is pleased to fix the following schedule of charges for work done by Directorate of Geology & Mineral Resources as per enclosures. The charges are as per prevailing rate of Geological Survey of India(GSI).

Any Department or private party intending to avail the service of Geology & Mineral Resources for works specified in the enclosures may approach the Director, Geology & Mineral Resources.

This issues with the approval of Finance Department vide their I.D.No.FIN(EC)461/2016-IND dt.7.9.16.

Zothan Khuma,

Commissioner & Secretary to the Govt. of Mizoram, Commerce & Industries Department.

SUMMARISED COMPUTATION SHEET OF SCHEDULE OF CHARGES - 2014 OF VARIOUS SERVICES IN GSI

Serial	Nature of work/activity	Basic	Overhead	Overhead	Overhead	Total	To be rounded
No.		cost	cost at	cost at	cost at	cost	off
		(in Rs.)	SU/Opn.	Regional	CHQ level	(in Rs.)	
			level (in Rs.)	level (in Rs.)	(in Rs.)		
1	2	3	4	5	6	7	8
1.	MAPPING						
A.	SYSTEMATIC GEOLOGICA	AL MAPPINO	G ON 1:50,000 S	CALE (EXCLUE	DING ANDAMAI	N & NICOBA	R ISLANDS)
	i) Hard rock area	160819	86758	27888	27521	302986	303000
	Peninsular area) -						
	Unit 50 sq. km.						
	ii) Deccan Trap/	113061	60994	19606	19348	213009	213000
	Quaternary area -						
	Unit 50 sq.km.						
	iii) Himalayan and other	373100	201279	64699	63848	702926	702900
	difficult terrain -						
	Unit 50 sq. km.						

B.	(Unit 50 sq. km.)	321638	JDING ANDAN 173516 271999	MAN & NICO 55775 87431	BAR ISLAN 55041 86281	DS) 605970 949900	606000 949900
C.	GEOLOGICAL MAPPING ON 1:25,000 SC	CALE IN AND 973067	AMAN & NICC 268372	OBAR ISLAN 86265		1412835	1412800
		873067	268372	86265	85131	1312835	1312800
D.	GEOLOGICAL MAPPING WITH THE AID	OF PG & RS I	METHODS *				
a.	Aerial photo interpretation with limited			:25,000 scal	e:		
	i) Peninsular India/ Hard	47803		15099	14896	77798	77800
	rock area - 100 sq. km. ii) Himalayan and other difficult terrain-100 sq. km.	74244		21570	21280	117094	117100
	iii) River basin areas/semi-arid plains/coastal belts-100 sq. km.	47803		15099	14896	77798	77800
b.	Imagery interpretation study: i) on 1:1 mile/1:250,000 scale (Hard prints, full scene/ quadrangle	44829		12942	12768	70539	70500
	scene) - 100 sq. km. ii) on 1:50,000 scale (Hard prints, Geocoded; one toposheet) - 100 sq. km.	49003		15099	14896	78998	79000
C.	PAN (Full scene/subscene/G.Point scene)	52623		15099	14896	82618	82600
d.	(i) Digital data products (full scene/subscene/quadrangle	48043		15099	14896	78038	78000
	scene/G.Point scene)- 100 sq. km. (ii) PAN digital data products (Full scene/subscene/G .Point scene) - 100 sq. km.	55803		15099	14896	85798	85800
N.B.	The travelling expenses of survey team * Classification, nature and category of						
E.	Geochemical Mapping; (excluding Anda Geochemical Mapping on 1:50000 Scale (excluding Andaman & Nicobar Islands) Unit-50 sq km.	aman & Nico 138196	bar Islands): 75669	24323	24003	262191	262200

N.B.: Actual fare for the geological/geophysical & survey party by the entitled class from the main station, to the work spot and back to be provided by indenting party for all the investigations

F. Geophysical Mapping (excluding Andaman & Nicobar Islands):
Geophysical Mapping (in 1:50,000) 872115 171000 64699 63848 1171662 1171700
(Gravity & Magnetic surveys). Charges
for 100 sq. km. area with 40 stations,
depending upon the condition of terrain.

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N.B.: Actual fare for the geological/geophysical & survey party by the entitled class from the main station, to the work spot and back to be provided for all the investigations

II. SURVEY WORK

Serial No.	Nature of work/activity	Basic cost (in Rs.)	Overhead cost at SU/Opn.	Overhead cost at Regional	Overhead cost at CHQ level	Total cost (in Rs.)	To be rounded off
1	2	3	level (in Rs.) 4	level (in Rs. 5) (in Rs.) 6	7	8
	Survey work (charges per day) per Survey party	9914	6709	2157	2128	20908	20900

N.B.: Actual fare for the survey party by the entitled class to the survey spot and back and camping arrangements as necessary are to be provided

2157

2128

27820

27800

III MINERAL SEARCH AND EVALUATIONS

A. MINERAL INVESTIGATION IN ALL TERRAIN (EXCLUDING ANDAMAN & NICOBAR ISLANDS)

(Charges per day) -per party consisting of two geologists Detailed geological studies for 16826 6709

the evaluation of economic mineral/ rock deposit (detailed geochemical studies related to mineral survey will

be charged separately as per

Schedule No. VII-J)

B. MINERAL INVESTIGATION IN ANDAMAN & NICOBAR ISLANDS (CHARGES PER DAY): In A & N Islands (without transport 20210 6709 2157 2128

In A & N Islands (without transport 20210 6709 2157 2128 31204 31200 charges from Mainland to Port Blair)

C. GEOLOGICAL LOGGING OF BOREHOLES

Charges per metre 267 224 72 71 634 600

(Actual fare for the geological party by'the entailed class from the main station to the work spot and back are to be provided by the sponsoring party for the investigation).

IV. GEOPHYSICAL SURVEYS GEOPHYSICAL SURVEYS (COST OF DEPLOYMENT PER MONTH) PER GEOPHYSICS PARTY CONSISTING OF A MINIMUM OF TWO GEOPHYSICISTS

Serial No.	Nature of work/activity	Basic cost (in Rs.)	Overhead cost at SU/Opn. level (in Rs.)	Overhead cost at Regional level (in Rs.)	Overhead cost at CHQ level (in Rs.)	Total cost (in Rs.)	To be rounded off
			ievei (iii its.)	icvei (iii ivs.)	(111 113.)		
1.	Deep Resistivity method (Four	854059	171000	64699	63848	1153606	1153600
2.	soundings with AB/2 = 3-10 km) Gravity method (0.5 -200 sq.	(4 soundings) 855726	171000	64699	63848	1155273	1155300
	km. area depending on the objective)	(200-250 station)					
3.	Microgravity Surveys (10 lkm	841559	171000	64699	63848	1141106	1141100
	with 20m station interval & 5 km with 10 m interval)	(5-10 lkm)					
4.	I.Pcum-resistivity, S.P., magnetic (8 -10 line km.)	863781 (8-10 Lkm)	171000	64699	63848	1163328	1163300
5.	Magnetic (10-30 line km.)	382223	171000	64699	63848	681770	681800

Micro earthquake Survey (8	872029	171000	64699	63848	1171576	1171600
	,					
Misa-La-Masse (8 - 25 line km.)	701112	171000	64699	63848	1000659	1000700
	(8-25 Lkm)					
Shallow Refraction (Hammer	940170	171000	64699	63848	1239717	1239700
seismic) surveys (10-12 line Km	(10-12 L km)					
both direct and reverse method)						
Electrical resistivity	766559	171000	64699	63848	1066106	1066100
(20 - 50 soundings)	(20-50 soundings)					
Self Potential & magnetic	751891	171000	64699	63848	1051438	1051400
(8 -20 line km.)	(8-20 L km)					
Self Potential (8 - 20 line km.)	750502	171000	64699	63848	1050049	1050000
	(8-20 L km)					
S.P. & shallow electrical	758002	171000	64699	63848	1057549	1057500
	(10-20 L km)					
LP. (Dipole-Dipole) (10 -20	775919	171000	64699	63848	1075466	1075500
•	(10-20 Lkm)					
	374833	171000	64699	63848	674380	674400
,						
	606815	171000	64699	63848	906362	906400
Magneto-Telluric Surveys (6	679224	171000	64699	63848	978771	978800
stations per month)						
Seismic site response survey	829752	171000	64699	63848	1129299	1129300
(Target : 150 stations)						
DGPS Survey for crustal deforma	tion 859946	171000	64699	63848	1159493	1159500
(160 km traverse/8stations)						
	seismic station network) Misa-La-Masse (8 - 25 line km.) Shallow Refraction (Hammer seismic) surveys (10-12 line Km both direct and reverse method) Electrical resistivity (20 - 50 soundings) Self Potential & magnetic (8 -20 line km.) Self Potential (8 - 20 line km.) S.P. & shallow electrical resistivity (10-20 line km.) LP. (Dipole-Dipole) (10 -20 line km.) Shallow Hole Temperature (50 holes) Bore hole geophysical Logging (Five boreholes of 350m each) Magneto-Telluric Surveys (6 stations per month) Seismic site response survey (Target: 150 stations) DGPS Survey for crustal deforma	seismic station network) Misa-La-Masse (8 - 25 line km.) Shallow Refraction (Hammer seismic) surveys (10-12 line Km both direct and reverse method) Electrical resistivity (20 - 50 soundings) Self Potential & magnetic (8 -20 line km.) Self Potential (8 - 20 line km.) Self Potential (8 - 20 line km.) S.P. & shallow electrical resistivity (10-20 line km.) LP. (Dipole-Dipole) (10 -20 line km.) Shallow Hole Temperature (50 holes) Bore hole geophysical Logging (Five boreholes of 350m each) Magneto-Telluric Surveys (6 stations) DGPS Survey for crustal deformation 859946	seismic station network) Misa-La-Masse (8 - 25 line km.) Misa-La-Masse (8 - 25 line km.) Shallow Refraction (Hammer seismic) surveys (10-12 line Km both direct and reverse method) Electrical resistivity (20 - 50 soundings) Self Potential & magnetic (8 - 20 line km.) Self Potential (8 - 20 line km.) Self Potential (8 - 20 line km.) S.P. & shallow electrical resistivity (10-20 line km.) LP. (Dipole-Dipole) (10 - 20 rotspin yellow) Shallow Hole Temperature (50 holes) Bore hole geophysical Logging (Five boreholes of 350m each) Magneto-Telluric Surveys (6 stations) DGPS Survey for crustal deformation 859946 171000	seismic station network) (8 Stations network) Misa-La-Masse (8 - 25 line km.) 701112 171000 64699 Shallow Refraction (Hammer seismic) surveys (10-12 line Km both direct and reverse method) (10-12 L km) 64699 Electrical resistivity 766559 171000 64699 (20 - 50 soundings) (20-50 soundings) 64699 Self Potential & magnetic 751891 171000 64699 (8 -20 L km) 750502 171000 64699 (8-20 L km) 64699 64699 S.P. & shallow electrical resistivity (10-20 line km.) (10-20 L km) 64699 LP. (Dipole-Dipole) (10 -20 r75919 171000 64699 Ine km.) (10-20 L km) 64699 Shallow Hole Temperature responses Logging (10-20 Lkm) 64699 64699 (50 holes) 64699 679224 171000 64699 (Five boreholes of 350m each) 679224 171000 64699 stations per month) 829752 171000 64699 Carget: 150 stations) 64699 64699 DGPS Survey for crustal deformation respective for the stations of the stations in the station in the station	seismic station network) (8 Stations network) Misa-La-Masse (8 - 25 line km.) 701112 171000 64699 63848 Shallow Refraction (Hammer seismic) surveys (10-12 line Km both direct and reverse method) (10-12 L km) 64699 63848 Seismic) surveys (10-12 line Km both direct and reverse method) (10-12 L km) 64699 63848 Flectrical resistivity (20 - 50 soundings) (20-50 soundings) 64699 63848 (8 - 20 line km.) (8-20 L km) 64699 63848 (8 - 20 line km.) 750502 171000 64699 63848 S.P. & shallow electrical resistivity (10-20 line km.) (10-20 L km) 775919 171000 64699 63848 resistivity (10-20 line km.) (10-20 L km) 171000 64699 63848 LP. (Dipole-Dipole) (10 -20 775919 171000 64699 63848 (50 holes) 80re hole geophysical Logging (Five boreholes of 350m each) 606815 171000 64699 63848 Kations per month) 829752 171000 64699 63848 Seismic site response survey 829752 171000 64699 63848	seismic station network) (8 Stations network) Misa-La-Masse (8 - 25 line km.) 701112 171000 64699 63848 1000659 Shallow Refraction (Hammer seismic) surveys (10-12 line Km both direct and reverse method) Lectrical resistivity 766559 171000 64699 63848 1066106 (20 - 50 soundings) Self Potential & magnetic 751891 171000 64699 63848 1051438 (8 -20 line km.) (8-20 L km) 64699 63848 105049 Self Potential (8 - 20 line km.) 750502 171000 64699 63848 105049 S.P. & shallow electrical 758002 171000 64699 63848 1057549 resistivity (10-20 line km.) (10-20 L km) LP. (Dipole-Dipole) (10 -20 775919 171000 64699 63848 1075466 line km.) (10-20 L km) Shallow Hole Temperature 374833 171000 64699 63848 674380 (50 holes) Bore hole geophysical Logging (Five boreholes of 350m each) 606815 171000 64699 63848

V. DRILLING

A. DIAMOND CORE DRILLING (CHARGES PER METRE)

	Type of strata	Depth	Basic	Overhead cost	Overhead	(Total cost	To be
		range (in	cost	at	cost at	chargeable	rounded off
		metre)	(in Rs.)	Op/Directorate	CHQ	(in Rs.)	
				(in Rs.)	(in Rs.)		
	I.a Soft 0-300		4982	420	107	5509	5500
	I.b Soft 301-600		7027	573	146	7746	7700
	I.c Soft 601-900		10576	788	200	11564	11600
	2.a Medium Hard 0	-300	6340	525	134	6999	7000
	2.b MediumHard 30	01-600	10047	788	200	11035	11000
	2.c Medium Hard 6	01-900	14444	1050	267	15761	15800
	3.a Hard 0-300		9962	788	200	10950	11000
	3.b Hard 301-600		13563	1050	267	14880	14900
	4.a Very Hard 0-30	0	16598	1260	321	18179	18200
	4.b Very Hard 301-	600	21637	1575	401	23613	23600
B.	AUGER DRILLING	(CHARGES PER ME	TRE)				
	4.c AUGER DRILL	ING (Soft	2926	350	89	3365	3400
	Strata) 0-150 4. d SPT DRILLING Strata) 0-50	G (Soft	5274	700	178	6152	6200

N. B. Transport charges for transporting drilling equipment from HQ to the work spot @ Rs. 28.00 per km in Peninsular terrain and Rs.40.00 per km. in Himalayan terrain are to be charged extra.

VI. GEOTECHNICAL STUDIES

Nature of work/activity mar		harges per day of Geologist ay for Geotechnical Investigation ithout transport and without urveyor)/Basic cost (in Rs.)	Overhead cost at Regional level (in Rs.)	Total cost (in Rs.)	To be off to nearest (in Rs.)	
Detailed geo-technical invest without transport and withou		4,839	2,157	6,996	7,000	
Survey work without geologic (charges per day) per one Su		2,840	2157	4,997	5,000	

Note:

- i) Actual fare for the geological survey party by the entilled class from the office to the work spot and back
- ii) Project authorities need to provide logistic support to carry out field studies
 iii) The charges include for study, assessment and preparation of map, submission of report in soft copy plus one hard copy
- Exclusive collection of rock/soil sample from field for testing in lab, if needed, to be charged separately The required number of survey helpers is also to be provided in addition to survey work charges.

VII. LABORATORY STUDIES

	Nature of work/activity	Basic	Overhead		To be rounded
		Cost	cost		off to nearest
		(in Rs.)	(in Rs.)	(in Rs.)	100/1000
1	2	3	4	5	6
A.	PALAEONTOLOGY LABORATORY				
	CHARGES FOR ANALYSES BY SEM WITH EDX MICRO ANALYSE	R			
	Charge for SEM-EDX per hour (with 6 hours per day target)	1761	355	2116	2100
B.	PETROLOGY LABORATORY				
	CHARGES FOR PETROLOGICAL STUDIES (per sample):				
1.	Preparation of standard thin section of rock	582	45	627	600
2.	Preparation of polished thin section of rock/wafer	750	45	795	800
3.	Preparation of unmounted polished section (8cmx5cm) of rock	584	45	629	600
4.	Complete petrographic/mineragraphic report of rock sample	2325	45	2370	2400
5.	Separation of mineral constituents of rocks by isodynamic	2583	45	2628	2600
	separator				
6.	Heavy mineral separation by liquid	1700	45	1745	1700
7.	Digital photomicrograph of thin polished section	164	45	209	200
8.	Modal analysis of thin section	2660	45	2705	2700
9.	Fluid inclusion studies/analysis	8932	45	8977	9000
10.	Glass sample preparation	8909	45	8954	9000
11.	Platinium Capsule preparation (1 no.)	638	45	683	700
12.	Hydrothermal experiment in hydrothermal apparatus	15866	45	15911	15900
13.	(extra cost per additional day Rs. 2583/-) Rock powdering (~100gm)	1736	45	1781	1800
13.	Nock powdering (*100gin)	1730	43	1701	1000
C.	Geostandards of Rocks & Sediments (Certified reference materials/standard reference materials)- Cost of one Geostandards	5614	1277	6891	6900
Ь	F DM A LADODATODY				
D.	E.P.M.A. LABORATORY EPMA studies per hour	5728	355	6083	6100
	EPINA Studies per flour	3720	333	0003	0100
E.	GEM TESTING & IDENTIFICATION (GEMOLOGY)				
	(i) Complete testing and identification of a loose gemstone	480	128	608	600
	(ii) Complete testing of diamond (above 28 cents), precious	600	128	728	700
	stones like natural ruby, sapphire, emerald & others				

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	(iii) Cost per OTS testing and identification of loose gem stone (iv) Cost per OTS testing and identification of costly gems like diamond, emerald, natural ruby, sapphire etc:	: 960 1200	128 128	1088 1328	1100 1300
F.	RAMAN SPECTROSCOPE STUDIES : Cost per hour (considering 6 hours per day as running time of the instrument)	1712	355	2067	2100
G.	MINERAL PHYSICS LABORATORY				
O.	CHARGES FOR MINERALOGICAL STUDIES:				
1.	X-ray Diffraction studies :				
	a. Identification of common minerals in random method	2155	240	2395	2400
	b. Identification of complex minerals/complex clay minerals/	3233	240	3473	3500
	unknown mineral assemblage/uranium minerals c. Samples (Clay) analyzed in oriented method	10346	240	10586	10600
2.	TG-DTA Studies:	10340	240	10000	10000
	TG-DTA Studies (Thermal Gravimetric Differential Thermal Analysis)	3083	240	3323	3300
	CEOCHDONOLOCVI ADODATODV				
Н.	GEOCHRONOLOGY LABORATORY CHARGES FOR GEOCHRONOLOGICAL STUDIES: Samples to be	collecte	d as ner s	necific requir	ement and
	supplied at the Geochronology Laboratory by the indenting ager		u as per s	pecine requii	cilicit and
1.	Strontium-isotopic analysis per sample	19376	373	19749	19700
2.	Sulphur/carbon isotopic analysis by Mass Spectrometer per sample	17693	373	18066	18100
3.	Carbon and Oxygen isotopic analysis by Mass Spectrometer	17068	373	17441	17400
٥.	per sample		0,0	.,	.,
4.	Whole rock analysis by XRF	3112	373	3485	3500
5.	C14 Isotope by LSC	19308	373	19681	19700
6.	Dating of samples by Optically stimulated	44017	5804	49821	49800
	Luminescence (OSL) using quartz				
7.	Isotopic analysis of one sample by LA-MC-ICPMS	6000	128	6128	6100
	CEOTECHNICAL LADODATODY				
I.	GEOTECHNICAL LABORATORY CHARGES FOR GEOTECHNICAL TESTS				
i.	SOIL TESTING (per sample) :				
1. 1.	Particle size analysis	1340	319	1659	1700
1.		1340	319	1039	1700
2	(determination of sand, silt and clay percentage) : Routine sieve analysis by Mechanical Method	1340	319	1659	1700
2. 3.		1340	319	1650	1700 1700
3. 4.	Cost of hydrometer test for determinations of particle size distribution Liquid limit and Plastic limit of soil samples: (Atterberg Limit test)	522	319	841	800
4. 5.		1040	319	1359	1400
	Shrinkage Limit of soil Determination of specific gravity, moisture content, unit weight	532	319	851	900
6.	and void ratio & degree of saturation	332	319	001	900
7.	Compaction test of soil sample (Standard proctor/modified proctor)	2605	319	2924	2900
8.	Determination of coefficient of Permeability (by constant head	2611	319	2930	2900
U.	method or by Falling head method):	2011	317	2730	2700
9.	Laboratory consolidation test	10678	319	10997	11000
10.	Determination of unconfined compressive strength	1311	319	1630	1600
11.	Determination of total soluble salts of soil sample;	1353	319	1672	1700
12.	Determination of Calcium, Carbonate and/or soluble sulphate	773	319	1092	1100
	for each soil sample				
13.	Determination of organic content for each sample	1082	319	1401	1400
14.	Determination of base exchange capacity for each sample	773	319	1092	1100
15.	Determination of pH value	501	319	820	800
16.	Triaxial shear Test	1311	319	1630	1600
17.	Direct Shear Test	2628	319	2947	2900
18.	Swell Pressure Test	2504	319	2823	2800
					_000

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19.	Laboratory Vane Shear Test	1484	319	1803	1800
20.	California Bearing Ratio (CBR) Test	10420	319	10739	10700
ii.	ROCK TESTING:				
21.	Preparation of rock cube/core from rock block	862	319	1181	1200
22.	Cutting of rock cube from rock	431	319	750	800
23.	Uniaxial compressive strength for a set of three samples including cutting and polishing as per standard	4047	319	4366	4400
24.	Uniaxial compressive strength for only one core	1349	319	1668	1700
25.	Tensile strength computation charges	1303	319	1622	1600
26.	Point load test for a set of three samples	1011	319	1330	1300
27.	Point load test for one sample	337	319	656	700
28.	Determination of density, void ratio, water absorption percentage	1747	319	2066	2100
	of each sample (including cutting and polishing)				
29.	Specific gravity of one rock sample	1747	319	2066	2100
30.	Slake Durability Test	1737	319	2056	2100
iii.	AGGREGATE TESTING:				
31.	Aggregate impact value	3195	319	3514	3500
32.	Los Angeles Abrasion test	3195	319	3514	3500
33.	Crushing strength	2022	319	2341	2300
34.	Soundness loss test	3855	319	4174	4200
iv.	BUILDING STONE TESTING				
35.	Compressive strength on a set of five bricks	5076	319	5395	5400
36.	Water absorption on a set of five bricks	1118	319	1437	1400
37.	Weathering on a set of three cubes:	4637	319	4956	5000
38.	Determination of resistance to water by abrasion of natural	1118	319	1437	1400
20	building stones	F07F	210	F20.4	F 400
39.	Determination of shear strength of natural building stone	5075	319	5394	5400
40.	(average of three tests) Deval attrition test	2527	319	2846	2800
41.	Specific gravity, density void index, absorption and	1490	319	1809	1800
71.	bulk density tests	1470	317	1007	1000
	FINE ACCRECATE TECTS				
v. 42.	FINE AGGREGATE TESTS : Sieve analysis and determination of fineness Modulus	1434	319	1753	1800
42. 43.	Specific gravity of particles	1434	319	1753	1800
43. 44.		1434	319	1753	1800
45.	Organic impurities test Combined silt and clay content	1490	319	1809	1800
46.	Flakiness index test	1456	319	1775	1800
	The state of the s		0.,		
٧İ.	FIELD TESTING :				
47.	Field Vane Shear test	9734	319	10053	10100
48.	Determination of bearing capacity of soil by Vicksberg Cone-penetrometer	2226	319	2545	2500
49.	Flat jack test by two pin method	55336	319	55655	55700
50.	Flat jack test by four pin method	95340	317	95659	95700
51.	Mortar strength by Concrete Test Hammer for each	2167	319	2486	2500
01.	set of 10 readings: (a) Without sample preparation.	2107	317	_ 100	2000
52.	Mortar strength by Concrete Test Hammer for each	2202	319	2521	2500
	set of 10 readings: (b) With sample preparation				
	The charges for deployment of a Coolegist in the field for collection		المتمسمم الم		

The charges for deployment of a Geologist in the field for collection of rock/soil sample will be charged separately. Samples are to be collected as per specific requirement and supplied at Geotech Lab. by indenting agency.

J. CHEMICAL LABORATORY

CHA	ARGES FOR CHEMICAL ANALYSES	Basic	Overhead	1 Total cost	To be rounded
OH	ANGEST ON GITEWIOAE ANALTSES	Cost	cost		off to nearest
		(in Rs.)	(in Rs.)	(in Rs.)	100/1000
1.	a. Quantitative chemical analysis of rock by conventional	7000	22	7022	7000
	wet chemical method for 12 determinations (other than				
	alumino-silicate and phosphate rock)				
	b. Analysis of one Alumino -silicate rock (Sillimanite /Kyanite)	8650	22	8672	8700
	c. Analysis of phosphate rock	10300	22	10322	10300
2.	Analysis of chrome-ore sample by wet chemical	4250	22	4272	4300
	method(12 determinations)				
3.	Analysis for precious metals by Fire assay technique				
	(i) Gold	2000	22	2022	2000
	(ii) Platinum	2300	22	2322	2300
	(iii) Palladium	2300	22	2322	2300
	(iv) Charge for analysis of one sample for gold,	2400	22	2422	2400
	platinum and palladium estimation only				
4.	Gold analysis by AAS method (MIBK METHOD)	1150	22	1172	1200
5.	Rapid geochemical analysis by AAS method :				
	a. First 5 radicals	1100	22	1122	1100
	b. Each subsequent radical	100	_	100	100
6.	Water analysis :				
	a. Partial analysis for seven determinations (pH, conductivity,	1300	22	1322	1300
	total hardness, alkalinity, chloride, sodium & potassium)				
	b. Complete analysis for 14 determinations (pH, conductivity,	2300	22	2322	2300
	total hardness, alkalinity, T.D.S., sulphides, nitrate, chloride	ı			
	iron, silica, phosphorus, manganese, sodium & potassium)				
	c. Analysis for boron	1050	22	1072	1100
	d. Analysis for mercury	1050	22	1072	1100
	e. Analysis for arsenic by Spectro-photometry	1050	22	1072	1100
_	f. Analysis for fluoride	800	22	822	800
7.	Partial analysis of limestone/dolomite sample	1175	22	1197	1200
0	(Acid insoluble, R ₂ O ₃ ,Ca, Mg & LOI)	0000	00	0000	0000
8.	Complete analysis of dolomite/limestone/gypsum/	2000	22	2022	2000
0	clay /manganese ore /bauxite /iron ore samples	000	22	000	000
9.	Determination of mercury in rock or soil samples	800	22	822	800
10.	(by cold vapour technique) Determination of arsenic in rock or soil samples by	1300	22	1322	1300
10.	Vapour Generation Assembly (VGA)	1300	ZZ	1322	1300
11.	Determination of fluoride in rock or soil samples	1050	22	1072	1100
12.	Cost for analysis of one rock/soil sample for quantitative	3300	22	3322	3300
12.	REE analysis (14 REE elements/radicals) by ICP-MS	3300	22	JJZZ	3300
	(sequential Technique)				
13.	Cost for analysis of one rock/soil sample for	1550	22	1572	1600
13.	determination of a packages of 34 elements by	1330	22	1372	1000
	1CP-AES (sequential technique)				
14.	Estimation of major oxides by XRF technique				
17.	(i) Major oxides	3300	22	3322	3300
	(ii) For each additional trace elements	250	_	250	250
15.	Proximate analysis of coal	1290	22	1312	1300
10.		,0	~~	1012	.500

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16.	Analysis of sediment sample for determination of Hydrocarbons ($C_1 - C_{10}$) by Gas Chromatograph	1550	22	1572	1600
17.	NGCM Package Analysis Package A Major-Minor Oxides: (SiO ₃ , Al ₂ O ₃ , Fe ₂ O ₃ ,	3497	22	3519	3500
	Mno, Na ₂ O, K ₂ O, MgO, CaO, TiO ₂ , P ₂ O ₅) Trace Elements: (Ba, Ga, Rb, Cr, Ni, Co, Nb, Cu,	1112	22	1134	1100
	Pb, Zr, Zn, V, Sc, Th, Sr, Y) Package B (Au)	1067	22	1089	1100
	Package C (Li, Cs) Package D (As, Sb, Bi, Se)	1020 1605	22 22	1042 1627	1000 1600
	Package E (F)	790	22	812	800
	Package F (Ag, Cd) Package G(Hg)	1368 525	22 22	1390 547	1400 500
	Package H (La, Ce, Pr, Nd, Dy, Eu, Sm, Gd, Tb, Ho, Yb, Tm, Er, Lu, Hf, Sn, W, Mo, U, Ta, Be, Ge)	3300	22	3322	3300
	Package I (Pt, Pd)	2345	22	2367	2400