

**Government of India
Ministry of Mines
National Mineral Exploration Trust**

File No. 23/570/2025-NMET/ 901

New Delhi, 24th February, 2025

OFFICE MEMORANDUM

Subject: Approval of the project "Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Nadapa area Kachchh District, Gujarat".

Agency:- M/s Critical Mineral Trackers

On the recommendation of the Technical-cum-Cost Committee (TCC), the Executive Committee (EC) in its 39th meeting held on 24th January, 2025 approved the mineral exploration project of M/s Critical Mineral Trackers through NMET fund as per following details:-

S. No	Project/Block Name	Agency	Duration (Months)	Approved Cost (₹ Including GST)
1	Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Nadapa area Kachchh District, Gujarat.	M/s Critical Mineral Trackers	10 months (up to 09.12.2025)	₹53,72,568/-
Total (Rupees Fifty three lakh seventy two thousand five hundred sixty eight only)				₹53,72,568/-

2. M/s Critical Mineral Trackers shall submit progress on monthly basis to NMET Secretariat. The TCC, NMET shall review the progress of project and provide update to the Executive Committee. The timeline is enclosed in **Annexure**, as summarized below:-

•	Field Mobilization	1 st month (up to 09.02.2025).
•	Exploration (Survey, Geophysical mapping, surface drilling, Camp winding)	2 nd to 10 th month (up to 09.12.2025).
•	Laboratory Studies	3 rd to 8 th month (up to 09.10.2025)
•	Report Writing with Peer Review and submission to NMET	09 th to 10 th month (up to 09.12.2025)

3. M/s Critical Mineral Trackers shall complete the project as per the above terms.

4. The uploading of Geological Report (GR) on NGDR portal is sole responsibility of the exploration agency. The final payment will be made only after receiving the confirmation of the same. The screenshot/ acknowledgement of successful uploading of GR is to be submitted to NMET with the final bill.

5. Further, as per clause 2.2(viii) of the Office Memorandum no. 6/3/2015-NMET/176 dated 210th June, 2024 regarding Scheme for engagement of Notified Private Exploration Agencies in Mineral Exploration directly through NMET *"In case the NPEA wishes to avail mobilization advance (up to 30% of the approved project cost), the NPEA has to submit a Bank Guarantee (BG, including e-bank guarantee) of equal value of advance to NMET"*.



**[Geetika Sharma]
Deputy Secretary & HoD, NMET**

Copy for information and further necessary action:-

1. M/s Critical Mineral Trackers
2. I.F. Division, Ministry of Mines, Shastri Bhawan, New Delhi.
3. Executive Committee (EC) Meeting file (F.No.6/2/2015-NMET)
4. Grant-in aid Sanction order file.

Estimate Cost for Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Nadapa area Kachchh District, Gujarat**Name of the Exploration Agency – Critical Mineral Trackers, Hyderabad****Total Area -6.203sq.km ; No of Boreholes- 4 , 120m ; Completion Time -10 months , Review 4 months**

S.No	Item of Work	Unit	Rates as per NMET SoC		Estimated Cost of the Proposal		Remarks
			SoC-Item-SI No.	Rates as per SOC	Qtm	Total Amount(Rs)	
A	Geological Work						
1	Geological Mapping(1:12500) & sampling – Geologist field-days	6.12	1.2	11000	160	17,60,000	man days
2	Geologists(HQ)days, pre & post field interpretation 15 +20 days	One Geologist Per Day	1.2	9000	35	3,15,000	man days(including Remote sensing studiesman days(including Remote sensing studies
3	Pitting-20nos each one size 1*1*1m(1 Cu.m each)	Per Cu.m	2.1.2	3800	20	76,000	20 cu.m
4	Trenching-5 nos, each one size 10*1*1(10 cu.m each)	Per Cu.m	2.1.1	3300	50	1,65,000	50 cu.m
5	sampler	45 days	1.5.2	5100	23	1,17,300	man days
6	Labour(2 labour) attached to sampler	90 labour days	5.7	526	92	48,392	labour days
7	Labour	Per Team of 2 Geologists	5.7	526	320	1,68,320	labour days
		(2*2=4)					
		Labour/Field workers					
	Sub-Total -A					26,50,012	
B	Survey Work:						
1	Surveyor: Fixation & connection of boundary points(4 nos),4 Bh by Total station/DGPS	One surveyor	1.6.2	19,200	8	1,53,600	
	Sub-total-B					1,53,600	
C	Core Drilling - Outsourced						




1	Scout drilling(coring) :4 points(each 30m deep) 4*30	Per meter	2.2.1.1b	7,168	120	8,60,160	120m,soft rock- MoC rate
2	Construction of BH pillar(12''*12''*30'')	Per pillar	2.2.7a	2000	0	0	4 pillars
3	**Mob & demob drilling machine & iner BH shifting	Per shifting	lumpsum			0	lumpsum
4	Compensation for 4 Bhs		5.6	20,000	0	0	4 BHs
5	Drill core preservation in GI boxes	Per meter	5.3	1590	120	1,90,800	120m core
	Subtotal-C					10,50,960	
D	Laboratory Studies						
1	Trench and channel Samples (5*5=25 nos):by AAS method	First five radicals+5	4.1.7a &7b	4181	0	0	90 samples
2	Pitting Sample: (20*1=20 nos)-AAS method	First five radicals+5	4.1.7a &7b	4181	0	0	60 samples
3	Core drilling Samples-4*60=240	First five radicals+5	4.1.7a &7b	4181	0	0	24 samples
	Total depth 30m each, samples will be collected at every 5m interval.						
	AAS method						
	XRF - Major Oxide		4.1.15a	4200	143	6,00,600	Trench-70, Pit-20, BH-40 (130+13 Check)
4	Analysis for REE(14 elements/radicals) by ICP-MS+Check Samples	14 elements/radicals	4.1.13	5380	36	1,93,680	33+3 check
5	Combined determination of THA,MHA and Reactive silica		4.1.17a	6700	4	26,800	4 samples
6	Preparation of Polished thin section	Per sample	4.3.2	1549	10	15,490	4 sections
7	Complete petrographic/oremicroscopic/mineral graphic studies	Per sample	4.3.4	4232	10	42,320	4 sections
8	XRD analysis for identification of minerals(random)	Per sample	4.5.1	4000	4	16,000	4 samples
	Subtotal-D					2,51,970	
E	Surface Geophysical Survey		Not recommended				
1	Electrical resistivity	Per Station					
2	gravity surveys	Per station					
3	Geophysicist Man days						

	(Field Man-days)						
4	Geophysicist Man days (HQ)						
	Subtotal-E						
	TOTAL (A+B+C+D)					41,06,542	
F	Preparation of Exploration Proposal			2% of the project cost subject to a maximum of 5 lakhs	1	82,131	2% of the Project cost.
	(5 Hard copies with a soft copy)		5.1				
G	Geological Report			5% of the Project cost		2,05,327	5% of the Project Cost.
	(5 Hard copies with a soft copy)		5.2				
	Operational Charges		6.0			86,016	
	Tender Process Cost		2.3			43,008	
	Peer review					30,000	
	Additional Copy			1000	0	0	
	Project Cost without GST					45,53,024	
	18% GST					8,19,544	
	Total Project Cost					53,72,568	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						




Time Schedule/ Action plan for Reconnaissance Survey (G4) for Bauxite, Ga, V, Ti & REE in Nadapa area Kachchh District, Gujarat

S. no	Activity	Unit	Months										
			1	2	3	4		5	6	7	8	9	10
1	Geologist Party Days HQ	Days					Review						
2	Geologist Party Days Field	Days											
3	Sampling (Pitting & Trenching)	Days											
4	Laboratory Studies	Days											
5	Core Drilling	Days											
6	Survey Party Days	Days											
8	Post Field Interpretation	Days											
9	Report Compilation & Submission	Days											