

भारत सरकार/GOVERNMENT OF INDIA
खान मंत्रालय/MINISTRY OF MINES
राष्ट्रीय खनिज खोज न्यास/NATIONAL MINERAL EXPLORATION TRUST

F. No: 6/3/2015-NMET/ 464

New Delhi, 24th October, 2024

कार्यालय ज्ञापन/Office Memorandum

Sub: Modified Scheme for partial reimbursement of exploration expenses for holders of Composite Licences which are granted through auction for exploration of certain minerals-reg.

In supersession of the OM 6/3/2015-NMET/295 dated 23.3.2022 the competent authority has approved the modified scheme for partial reimbursement of exploration expenses from National Mineral Exploration Trust (NMET) for holders of Composite Licences which are granted through auction for exploration of Minerals as specified in the "Part D of the First Schedule" and "Seventh Schedule" of MMDR amendment Act, 2023. The details of the scheme including objective, eligibility criteria, procedure for submission of proposal, scale for reimbursement of exploration expenses etc. are attached as Annexure-1.

2. It is requested that the scheme may be circulated among the holders of Composite Licences granted through auction by the State Government for submission of their proposal to NMET through DGM/DMG of the concerned State Government.


(Geetika Sharma)
Deputy Secretary & HoD, NMET

To,

1. The Secretary (Mines), Government of Andhra Pradesh.
2. The Secretary (Geology and Mining), Government of Arunachal Pradesh.
3. The Principal Secretary, Department of Mines and Minerals, Government of Assam.
4. The Principal Secretary-cum-Mines Commissioner, Government of Bihar.
5. The Secretary, Mineral Resource Department, Government of Chhattisgarh.
6. The Principal Secretary, Department of Mines and Geology, Government of Goa.
7. The Addl. Chief Secretary (Industries), Government of Himachal Pradesh.
8. The Principal Secretary (Industry and Mines), Government of Gujarat.
9. The Commissioner Secretary (Industries and Commerce), Union Territory of Jammu & Kashmir.

NMET Secretariat

F-114, Shastri Bhawan, Central Secretariat, New Delhi-110001
Tel: (011)-23071006, email: nmet-mines@gov.in
<https://nmet.gov.in/>

10. The Secretary (Industries, Mines and Geology), Government of Jharkhand.
11. The Secretary, (Industries and Commerce), Government of Karnataka.
12. The Principal Secretary, Industries Department, Government of Kerala.
13. The Secretary, Mineral Resource Department, Government of Madhya Pradesh.
14. The Addl. Chief Secretary (Industries and Mines), Government of Maharashtra.
15. The Commissioner and Secretary, Mining and Geology Department, Government of Meghalaya.
16. The Commissioner & Secretary, Geology and Mining, Government of Nagaland.
17. The Principal Secretary (Steel and Mines), Government of Odisha.
18. The Principal Secretary, Mines and Geology, Government of Punjab.
19. The Principal Secretary (Mines), Government of Rajasthan.
20. The Principal Secretary (Industries), Government of Tamil Nadu.
21. The Principal Secretary (Industries and Mines), Government of Telangana.
22. The Secretary (Mines and Geology), Government of Uttar Pradesh.
23. The Principal Secretary (Mines), Government of Uttarakhand.
24. The Secretary (Industry, Commerce and Enterprises), Government of West Bengal.
25. The Secretary, Department of Industries, Union Territory of Ladakh.
26. The Principal Secretary, Mines and Geology Department, Government of Sikkim.
27. The Secretary, Department of Industries and Commerce, Government of Tripura.
28. The Secretary, Commerce and Industries, Government of Mizoram.
29. The Secretary, Textiles, Commerce and Industry, Government of Manipur.
30. The Principal Secretary, Department of Mines and Geology, Government of Haryana.

Copy to:

1. The Secretary, Dept. of Atomic Energy, Anushakti Bhawan, C.S.M. Marg, Mumbai-400001.
2. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi- 110001.
3. The Secretary, Ministry of Petroleum and Natural Gas, Shastri Bhawan, New Delhi-110001.
4. The Joint Secretary and Financial Advisor, Ministry of Mines, Shastri Bhawan, New Delhi-110001.
5. The Director General, Geological Survey of India, 27, J. L. Nehru Road, Kolkata-700016.
6. The Controller General, Indian Bureau of Mines, 2nd Floor, Indira Bhawan, Civil Lines, Nagpur-440001.

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Tel: (011)-23071006, email: nmet-mines@gov.in

<https://nmet.gov.in/>

7. The Principal Secretary, Mineral Resources Department, Govt. of Madhya Pradesh, Mantralaya, Vallabh Bhawan, Bhopal- 462004.
8. The Principal Secretary, Industries, Energy and Labour Dept., Govt. of Maharashtra, 114 Annex Building Mantralaya, Mumbai- 400032.
9. The Additional Chief Secretary, Department of Mines and Petroleum, Government of Rajasthan, Main Building Secretariat, Jaipur-305005.
10. The Additional Chief Secretary, Industries, Investment Promotion and Commerce Dept., Govt. of Tamil Nadu, Industries Department Secretariat, Chennai- 600009.
11. Shri Alok Sharma, (Retd.) GM & HoD (Exploration), CMPDIL, 402, Lake Garden, Kanke Road, Ranchi- 834008.
12. Shri Naresh Nautiyal, Head (Business Development & Planning) (Retd.), MECL, 109, KT Nagar, Katol Road, Nagpur- 440013.
13. Dr. Yamuna Singh, Scientist-H, Atomic Minerals Directorate for Exploration and Research (Retd.), Flat G-7, Block G, Rainbow Vistas Rock Garden, Opp- IDL, Green Hills Road, Sanathnagar PO, Moosapet, Hyderabad- 500018.
14. Dr. Laxman Singh Shekhawat, Dy. Director General (Retd.), Geological Survey of India, 695 Shanti Nagar (Road No-3), Near Durgapura Railway Station, Durgapura, Jaipur- 302018.
15. Dr. Sahendra Singh, Associate Professor, Department of Applied Geology, Indian Institute of Technology (ISM), Dhanbad- 826004.

Copy to:

1. The Director, Department of Mines and Geology, Government of Andhra Pradesh.
2. The Director, Department of Geology and Mining, Government of Arunachal Pradesh.
3. The Director, Directorate of Geology and Mining, Government of Assam, Kahilipara, Guwahati-781019.
4. The Director, Department of Mines and Geology, Government of Bihar.
5. The Director, Directorate of Geology and Mining, Government of Chhattisgarh.
6. The Director of Mines and Geology, Government of Goa.
7. The Commissioner of Geology and Mining, Government of Gujarat.
8. The Director, Department of Industries, Government of Himachal Pradesh.
9. The Director, Department of Geology and Mining, Union Territory of Jammu and Kashmir, J.L.Nehru Udhyog Bhawan, 4th Floor, Rail Head Complex, Jammu - 180012.
10. The Director (Mines), Directorate of Mines, Government of Jharkhand.
11. The Director, Department of Mines and Geology, Government of Karnataka.
12. The Director, Directorate of Mining and Geology, Government of Kerala.

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Tel: (011)-23071006, email: nmet-mines@gov.in

<https://nmet.gov.in/>

13. The Director, Directorate of Geology and Mining, Government of Madhya Pradesh.
14. The Director, Directorate of Geology and Mining, Government of Maharashtra.
15. The Director, Directorate of Mineral Resources, Government of Meghalaya.
16. The Director, Directorate of Geology and Mining, Government of Nagaland.
17. The Director, Directorate of Geology, Government of Odisha.
18. The Director, Directorate of Mines and Minerals, Government of Punjab.
19. The Director, Mines and Geology Directorate, Government of Rajasthan.
20. The Commissioner of Geology and Mining, Government of Tamil Nadu.
21. The Director of Mines and Geology, Government of Telangana.
22. The Director, Directorate of Geology and Mining, Government of Uttar Pradesh.
23. The Director, Geology and Mining Unit, Government of Uttarakhand.
24. The Director, Directorate of Mines and Minerals, Government of West Bengal.
25. The Director, Directorate of Industries and Commerce, Union Territory of Ladakh.
26. The Director, Department of Mines, Minerals and Geology, Government of Sikkim
27. The Director, Department of Industries and Commerce, Government of Tripura
28. The Director, Directorate of Geology and Mineral Resource, Government of Mizoram.
29. The Director, Department of Trade, Commerce and Industries, Government of Manipur.
30. The Director, Department of Mines and Geology, Government of Haryana.

Copy to:

1. Dr. S. Ravi, Deputy Director General and Chairman, TCC-NMET, SU: Karnataka & Goa, GSI, Bangaluru 560111
2. The Director, AMD, Department of Atomic Energy, AMD Complex, Begumpet, Hyderabad-500016.
3. The Managing Director, MECL, Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur-440006.
4. The Chairman-cum-Managing Director, CMPDIL, Gondwana Place, Kanke Road, Ranchi-834031.
5. Shri Pudi Srinivasa Rao, Natural Resources Division - Tata Steel Limited, Room No. 349, 3rd Floor, Commercial Centre, General office, Bistupur, Jamshedpur East Singhbhum, Jharkhand-831001(pudi.srinivas@tatasteel.com).
6. Shri Arijit Dey, United Exploration India Pvt. Ltd., Tower 2A, 5th Floor, Action Area II, Ecospace Business Park, Rajarhat, New Town, Kolkata, West Bengal-700156 (admin@unitedexploration.co.in).
7. Dr. Nirode Behari Chanda, Indian Mine Planners & Consultants, GE-61 Rajdanga Main Road, Behind Vivanta Hotel, West Bengal, Kolkata - 700107 (nbc@impcn.in).

NMET Secretariat

F-114, Shastri Bhawan, Central Secretariat, New Delhi-110001
Tel: (011)-23071006, email: nmet-mines@gov.in
<https://nmet.gov.in/>

8. Shri Jijo George, Gemcokati Exploration Private Limited, Plot No 34, Bapat Nagar, Maharashtra Chandrapur - 442401 (jijo@gemcokati.com).
9. Dr. S. Karuppannan, Geotechnical Mining Solutions, 1/213B Natesan Complex Tamil Nadu, Dharmapuri - 636705 (info.gtmsdpi@gmail.com).
10. Mr. Channamallikarjun B. Patil, Geoexpore Private Limited, No 12-28/2, SY No. 28/2, Karnataka, Bangalore - 560077 (cm@geoexpore.com).
11. Mr. Leo Christy A, V.M. Salgaocar & Brother Pvt. Ltd, Salgaocar House, Off F. L. Gomes Road, Vasco Da Gama, South Goa-403802 (leochristy@vmsbgoa.com).
12. Mr. Loknath Rath, Geovale Services Private Limited, GN 38/5, 3rd Floor, Sector V, Salt Lake, Kolkata 700 091, India West Bengal (Ioknath.rath@geovale.com).
13. Mr. Sanjeev Ganeriwala, Maheshwari Mining Private Limited, 21, CLM Lane, Raniganj, Dist: Burdwan, West Bengal (anu.thakur@maheshwaree.com).
14. Mr. P. Praveen Kumar, Geo Marine Solutions Pvt. Ltd. MP VIII/357B, First Floor, Shreesha Complex, Udyawar village, Manjeshwar, Kasargod, Kerala, India- 671323 (praveen@geomarinesolutions.in)
15. Dr. Ifthikhar Ahmed, Geo Exploration and Mining Solution, 17, Advaita Ashram Rd, Arthanari Nagar, Fairlands, Salem, Tamil Nadu 636004 (ifthiahmed@gmail.com).
16. Mr. Murali Manas B., Ecomen Laboratories Pvt. Ltd., B-1/8, 2nd Floor, opposite Mahalaxmi sweet, Sector H, Sector-A, Aliganj, Lucknow, Uttar Pradesh 226024 (murali.manas@ecomen.in)
17. Ms. Soumi Chakraborty, Novomine India Private Limited, 4th Floor, Building No-65, Opp-The Children's Hospital, Pohkseih, Shillong, East Khasi Hills, Meghalaya-793006, India (novomineceo@gmail.com).
18. Mr. Abhijit Pednekar, Infrastructure Logistics Private Limited, 205, 2nd Floor, Kamat Metropolis-I, Behind Caculo Mall, St Inez Panaji North Goa 403001 (abhijit.pednekar@fomento.co).
19. Mr. Nitin Kohad, Kartikay Exploration & Mining Services Pvt.Ltd., 199A/18, Chitnavis Marg, Crorepati Gali, Civil Lines, Nagpur, Maharashtra 440001 (nitin.kohad@kartikay.co.in).
20. Mr. Indraneel Dawande, Engeotech Consultant, 1338, Kachnar City Rd, Vijay Nagar, Jabalpur, Raksha, Madhya Pradesh 482002 (engeotech@rediffmail.com).
21. Mr. Om Prakash Somani, Ramgad Mineral and Mining limited, Baldota Enclave, Abheraj Baldota Road, Hosapete 583203 (omprakash.s@rmml.in).

NMET Secretariat

F-114, Shastri Bhawan, Central Secretariat, New Delhi-110001
Tel: (011)-23071006, email: nmet-mines@gov.in
<https://nmet.gov.in/>

22. Mr. B. Raghushe, PRB Infraprojects Limited, Ratan Heights, S-3, 2nd Floor, Beside Indian Oil Petrol Pump, Medical Square, Nagpur-440024 (prbinfraprojects@gmail.com).
23. Ms. Shivani Gupta, Kundan Concentrates Private Limited, 3, Scindia House, 2nd Floor, Janpath, Connaught Place, New Delhi-110001 (shivani.gupta@kundangreenenergy.com).
24. Mr. Deepak Kumar, Gems Project Private Limited, Dugdugiyatoli, Argora, Ranchi, Jharkhand 834002 (md@gemsgroup.in).
25. Mr. Deependra Singh, M/s FCI Aravali Gypsum and Minerals India Limited, Institutional Area Sector B Vivek Vihar Yojna, Jodhpur, Rajasthan, Jodhpur -342005. (fagmill@rediffmail.com).
26. Ms. Bhawana Zode, M/s Bhushilp Mines and Minerals Private Limited, Gajanan Sanmitra Co. Op, Plot No. 186, Trisaran Nagar, Shastri Layout, Khamla, Nagpur, Maharashtra 440022(md@gemsgroup.in).
27. Mr. Vikram K Y, M/s Critical Mineral Trackers, No. 406, 4th Floor, Concourse Building Greenlands, Ameerpet Main Road, Metro Pillar no 1433, Greenlands, Hyderabad 500016(criticalmineraltrackers@gmail.com).
28. Mr. Deepak Rathod, M/s Mining Tech Consultancy Services Limited, A 121, Paryavaran Complex, IGNOU Road, -110030, IGNOU Road, New Delhi, Delhi 110030(deepak.rathod@mtcspl.com).

Copy for information to:

1. PSO to Secretary/PPS to AS(SL)/PS to JS&FA/PPS to JS, Ministry of Mines, Shastri Bhawan, New Delhi-110001.
2. The Director and Member Secretary, TCC-I, NMET, SU: Karnataka & Goa, GSI, Bengaluru 560111.
3. The Director and Member Secretary, TCC-II, NMET, RHQ-WR, GSI, Jaipur 302004.

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F-114, Shastri Bhawan, Central Secretariat, New Delhi-110001
Tel: (011)-23071006, email: nmet-mines@gov.in
<https://nmet.gov.in/>

Scheme for partial reimbursement of exploration expenses for holders of Composite Licences which are granted through auction for exploration of certain minerals

1. Background

The National Mineral Exploration Policy (NMEP), 2016 envisages private sector participation in mineral exploration to facilitate, encourage and incentivize private sector participation in all spheres of mineral exploration to harness the technical expertise, technological capability and the financial resources of the private sector to discover and exploit the country's vast mineral resources. It also envisages incentive for exploration agencies to mitigate their risk for exploration works.

In pursuance of the provisions of NMEP, 2016, to encourage private sector participation in exploration, Ministry of Mines had constituted a committee of experts for suggesting measures to facilitate, encourage and incentivize private sector participation in all spheres of mineral exploration, with focus on deep seated minerals. Based on the recommendations of the committee, a scheme for partial reimbursement of exploration expenses for holders of Composite licence was issued vide order no.6/3/2015-NMET/295 dated 23rd March 2022.

However, based on the feedback from the stakeholders, the Central Government decided to revise the earlier scheme for partial reimbursement of exploration expenses for Composite licence (CL) holders.

Accordingly, the Ministry of Mines constituted a committee of experts to re-examine the norms for reimbursement of exploration expenses to Composite licence (CL) holders.

Based on the recommendations of the committee, the scheme for partial reimbursement of exploration expenses for Composite licence (CL) holders has been revised.

2. Objective

The objective of the scheme is to provide partial reimbursement of exploration expenses for Composite Licence (CL) holders which are granted through auction for exploration of certain minerals.

3. Eligibility Criteria

The present scheme is applicable for exploration of minerals as mentioned in Part-D of the First Schedule (**Annexure 1**) and Seventh Schedule (**Annexure 2**) of the MMDR Act 1957.

4. Conditions

- (i) Scheme is optional for CL holders which are granted through auction after the date of issue of the scheme. If a CL holder wishes to avail the scheme, he shall apply for partial reimbursement of the exploration expenses within a period of 6 months from the grant of CL.
- (ii) Acceptance or rejection of a proposal under this scheme or any dispute regarding reimbursement under the scheme shall not have any bearing on discharging the obligation of the CL holders as per the terms and conditions of Composite Licence prescribed by the State Government at the time of auction of the concession.
- (iii) In case the exploration leads to signing of the mining lease and production of minerals, then the holder of such mining lease shall pay back the amount released by NMET within four years of commencement of production and dispatch of minerals.

5. Procedure for submission of proposal

The CL holders applying under the scheme shall submit their project proposal to the NMET through DGM/DMG of the concerned State Government.

The proposal shall contain –

- (i) general information (in the format specified in **Annexure-3** to this scheme)
- (ii) detailed proposal along with estimated expenditure details (in the format specified in **Annexure-4** to this scheme)
- (iii) annual work plan (in the format specified in **Annexure-5** to this scheme)
- (iv) a copy of Composite Licence.

6. Evaluation, approval and reimbursement

- (i) After receiving the project proposal from the CL holder, TCC, NMET will evaluate the proposal on technical and cost parameters and recommend to EC. Based on the recommendation of TCC, the Executive Committee (EC) will evaluate and approve the proposals. After the approval of the EC, necessary sanction order will be issued by the NMET, for reimbursement of exploration expenses as per the details provided by the CL holder (**Annexure-3**). The entire process from submission of proposal by CL holder to issuing of sanction order by NMET shall not take more than two months.
- (ii) The NMET shall monitor the progress of work from time to time. The CL holder shall provide access to all sites and records such as geological maps, drill logs, drill hole/ sample location sites etc. to the experts of the NMET during the inspection visit.

7. Scale for reimbursement of exploration expenses

- (i) The exploration expenses incurred by CL holder towards **geological mapping, sampling and geochemical analysis** will be reimbursed up to 50% of direct costs as per the Schedule of Charges (SoC) of NMET with a maximum ceiling of **₹1.50 Crore**.
- (ii) The exploration expenses incurred by CL holder towards **geophysical investigations** will be reimbursed up to 50% of direct costs as per the SoC of NMET with a maximum ceiling of **₹1.00 Crore**.
- (iii) The exploration expenses incurred by CL holder towards **exploratory drilling** will be reimbursed up to 50% of direct costs as per the SoC of NMET with a maximum ceiling of **₹4.50 Crore**.
- (iv) The exploration expenses incurred by CL holder towards **Research collaboration/consultancy/advisory** and not covered by other activities in the proposal will be reimbursed up to 50% of direct costs with a maximum ceiling of **₹ 0.50 Crore**.
- (v) The exploration expenses incurred by CL holder towards **logistics** including setting up camp office site, transportation arrangement, hiring of personnel, consumables, etc. and not covered by other activities in the proposal will be reimbursed up to 50% of direct costs with a maximum ceiling of **₹ 0.50 Crore**, subject to limit of Rs.20 Lakhs per year.

- (vi) The expenses incurred for any other activities as part of the exploration will not be considered for reimbursement. However, it will be the responsibility of CL holders to complete the exploration activities as per the best-in-class industry standards.

8. Other conditions:

- (i) NMET will monitor progress of project work on its own/ by officers of Central Government/ by any other entity engaged/ decided by NMET/ Ministry of Mines. The cost towards the logistics arrangements (TA/DA, hotel stay, etc.) for the inspection visit of the experts shall be borne by the NMET.
- (ii) The reimbursement towards exploration cost will be considered only for the prospecting stage of the Composite Licence.
- (iii) CL holder shall make the exploration expenses for carrying out exploration activities through a dedicated bank account and maintain duly audited books of accounts.
- (iv) As per Rule 172 (1) Para (ii) of GFR 2017, in case the CL holder wishes to avail the mobilization advance (up to 15% of the approved cost), the CL holder has to submit a Bank Guarantee (BG, including e-bank guarantee) of equal value of advance to NMET. Advance paid will be adjusted in the first bill submitted by the CL holder and a Utilization certificate of the same has to be submitted along with the bills. Further payment will be made on reimbursement basis against the bills submitted by the CL holder. The BG should remain valid for a period of 60 days beyond the date of completion of project and acceptance of geological report by NMET. The Bank guarantee will be released within 30 days after the settlement of mobilization advance.
- (v) The CL holder shall have to share geological and geophysical data/ results of the detailed exploration campaign along with a geological report with Directorate of Geology and Mines of respective State, Indian Bureau of Mines (IBM) for National Mineral Inventory (NMI) and Geological Survey of India (GSI) for uploading the same in the NGDR for future reference or any other mechanism as specified by NMET from time to time.
- (vi) The recovered cores from the exploratory drilling activities will be handed over by the CL holder to DMGs/DGMs of the concerned state/ GSI core library for future reference.
- (vii) The reimbursement shall be made in a maximum of six installments. The amount reimbursed in each installment will not be more than 50% of the expenditure incurred. The reimbursement shall be made on submission of half yearly expenditure bills duly certified by a chartered accountant. The half yearly bills shall be accompanied by an interim report of the progress of the work carried out during the period. Reimbursement will be settled through Public Finance Management System (PFMS) mode, in the dedicated bank account as furnished by the holder of Composite Licence (**Annexure-3**).
- (viii) Ministry of Mines/ NMET reserve the right to modify the scheme as may be necessary from time to time.

MMDR amendment Act 2023
"PART D of the First Schedule"
Critical and Strategic Minerals

1. Beryl and other beryllium bearing minerals.
2. Cadmium bearing minerals.
3. Cobalt bearing minerals.
4. Gallium bearing minerals.
5. Glauconite.
6. Graphite.
7. Indium bearing minerals.
8. Lithium bearing minerals.
9. Molybdenum bearing minerals.
10. Nickel bearing minerals.
11. Niobium bearing minerals.
12. Phosphate (without uranium).
13. Platinum group of elements bearing minerals.
14. Potash.
15. Minerals of the "rare earths" group not containing Uranium and Thorium.
16. Rhenium bearing minerals.
17. Selenium bearing minerals.
18. Tantalum bearing minerals.
19. Tellurium bearing minerals.
20. Tin bearing minerals.
21. Titanium bearing minerals and ores (ilmenite, rutile and leucoxene).
22. Tungsten bearing minerals.
23. Vanadium bearing minerals.
24. Zirconium bearing minerals and ores including zircon.

MMDR amendment Act 2023

"The Seventh Schedule"

Minerals

1. Apatite
2. Beryl and other beryllium bearing minerals
3. Cadmium bearing minerals
4. Cobalt bearing minerals
5. Copper bearing minerals
6. Diamond
7. Gold
8. Graphite
9. Indium bearing minerals
10. Lead bearing minerals
11. Lithium bearing minerals
12. Molybdenum bearing minerals
13. Niobium bearing minerals
14. Nickel bearing minerals
15. Potash
16. Platinum group of elements bearing minerals
17. Mineral of 'rare earth' group
18. Rhenium bearing minerals
19. Rock Phosphate
20. Selenium
21. Silver
22. Tantalum bearing minerals
23. Tellurium bearing minerals
24. Tin bearing minerals
25. Titanium bearing minerals and ores (ilmenite, rutile and leucoxene)
26. Tungsten bearing minerals
27. Vanadium bearing minerals
28. Zinc bearing minerals
29. Zirconium bearing minerals and ores including zircon

Details required for partial reimbursement towards exploration expenses for Composite Licence holders which are granted through auction

S.No.	Particular	
1	Name of Composite Licence holder	
2	Legal Status of Claimant (Power of Attorney/ Affidavit/ Registered Deed)	
	i. Postal Address:	
	ii. Telephone Number (Office):	
	iii. Fax Number (Office):	
	iv. Mobile No.:	
	v. Telephone Number (Residence):	
	vi. Email Id:	
3	ITR Details (For the period of exploration)	
4	Details required for PFMS	
	Type of Registration	Institution/CPSE/SPSE/Private etc.
	PAN Number	
	Agency name	
	Act/ Registration No. (if available)	
	Date of Registration (if available)	
	Registering Authority (if available)	
	State of Registration	
	TIN Number	
	TAN Number	
	GST Number	
	Block No/Building/Village/Name of Premises/Road/Street/Post Office	
	Area/Locality/City	
	District/State	
	Pin Code	
	Contact Person	

	Designation	
	Mobile No.	
	E-mail	
	Bank Account Number	
	Name as per bank A/C	
	IFSC Code	
	Branch & Bank Detail	
	ITR Details (for the period of exploration)	
5	Details of Composite Licence	
	i. Block Name/ Project	
	ii. Block area (sq.km)	
	iii. Survey of India Toposheet Number(s) along with Lat. and Long.	
	iv. Village (s)	
	v. Taluka (s)	
	vi. District (s)	
	vii. State	
	Mineral Commodity	

Date:

Signature: Name:
Designation

Detailed description of the Proposal to be submitted by the CL holder

**Proposal for _____ Block, _____ District, _____ State
for Reconnaissance Survey(G4 Stage) under NMET**

(Basemetals/ Ferrous/ Non-Ferrous/ Industrial/ Strategic & Critical/ Precious metals etc.)

By

_____ **Agency**

Place:

Date:

Detailed description on the following titles to be made in the proposal.

1. Block Summary

Physiography

Background Geology (Regional Geology, Geology of the Block).

Mineral potentiality based on geology, geophysics, ground geochemistry etc. Scope for proposed exploration.

Observation and Recommendations of previous work.

2. Previous Work

Previous Exploration in adjoining area (Regional area); All the sample (bed rock/trench/ groove/soil), borehole location should be plotted on the geological map and analytical data should be discussed briefly.

Previous Exploration in the proposed block area: All the sample (bed rock/trench/ groove/soil), borehole location should be plotted on the geological map and analytical data should be discussed briefly.

3. Block Description

Block Corner points Cardinal Points	Latitude	Longitude
A		
B		
C		
D		
E etc		

4. Planned Methodology

5. Nature Quantum and Target

G4 stage GR should be submitted for G3 stage proposal and G3 stage GR for G2 proposal succinct details of the previous stage exploration

Nature and Quantum of work proposed

Components	G4 Stage
Aerial reconnaissance	Remote sensing, airborne geophysical survey etc.
Geological Survey	i) 1.25K/12.5K ii) Assessment of lithology, structure, surface mineralisation and analysis of old history of mining, if any.
Geochemical Survey	i) Regional Grab / chip / Stream Sediment / Soil Sampling ii) Recording of broad geomorphology, drainage, etc.
Geophysical Survey	Aero-geophysical/Regional ground geophysical survey
Pitting/ Trenching	Five to ten to expose mineralised zone. The location of Pitting and trenching should be judiciously planned to cover the entire

	mineralised body, to delineate the strike extension and also for planning scout boreholes. Sample length to be specified
Scout drilling / Systematic drilling	Few boreholes if required along the positive profiles delineated by surface sampling/pitting trenching
Grab and Chip sampling	A few samples from bed rock (few representative samples from all the exposed rocks in the area for first-hand information and more samples from rocks which host the mineralisation).
Core sample	Sample from mineralised zones as well as hanging wall/footwall side to be collected. Sample length to be specified
Petrographic and mineragraphic studies	Principal rock types, mineral assemblage, identification of minerals of interest
Synthesis of all available data	i) Integration of regional geophysical, geological and geochemical data ii) Synthesis of all available data and Report writing

*** Exploration shall be carried out following the norms of The Minerals (Evidence of Mineral Contents) Rules, 2015 and amendments thereafter.**

6. Estimated Expenditure details

Detailed description of the Proposal to be submitted by the CL holder

**Proposal for _____Block, _____District, _____State for G3 or G2
stage of mineral exploration under NMET**

(Basemetals/ Ferrous/ Non-Ferrous/ Industrial/ Strategic & Critical/ Precious metals etc.)

By

_____Agency

Place:

Date:

Detailed description on the following titles to be made in the proposal

1. Block Summary

Physiography

Background Geology (Regional Geology & Geology of the Block)

Mineral potentiality based on geology, geophysics, ground geochemistry etc Scope for proposed exploration

Recommendations of G4 Stage Mineral Exploration Report. Objectives

2. Previous Work

Attach Complete Previous Geological Report (G4 Stage); G4 and G3 stage reports for G2 stage.

Previous Exploration in adjoining area (Regional area): All the sample (bed rock/trench/groove/soil), borehole location should be plotted on the geological map and analytical data should be discussed briefly

Previous Exploration details in the proposed block area All the sample (bed rock/trench/groove/soil), borehole location should be plotted on the geological map and analytical data should be discussed briefly

3. Block description

Block corner points/ Cardinal Points	Latitude	Longitude
A		
B		
C		
D		
E etc		

4. Planned Methodology

5. Nature Quantum and Target

G4 stage GR should be submitted for G3 stage proposal and G3 stage GR for G2 proposal
Succinct details of the previous stage exploration

Nature and Quantum of work proposed

Components	G3	G2
Aerial reconnaissance	Required if not covered in previous stage	Use G3 stage work
Geological Survey	RF 1:5,000/2,000/1000/500	Use G3 stage maps
Geochemical Survey	Geochemical sampling (Chip/Channel/Pit/Trench/Core/Soil)	Detailed Geochemical sampling Channel/Pit/Trench/Core/ Soil) in systematic manner
Geophysical Survey	Detailed ground geophysical work, borehole geophysical logging	Borehole geophysical logging Special geophysical traverses for problem solving, if required

Pitting/Trenching	Pitting/trenching to expose mineralized zone	Refine: Systematic pitting and trenching at regular interval along each borehole profile for surface/ subsurface correlation, resource calculation and also to define the ore body in soil covered area
Scout drilling/ Systematic drilling Only Systematic drilling	Boreholes along the positive profiles delineated by surface sampling/pitting trenching.	Boreholes along the positive profiles delineated by surface sampling/pitting trenching.
Grab and Chip sampling	Systematic sampling of few representative samples	Refine sampling: Systematic sampling
Petrographic and mineragraphic studies	Rocks of the deposit (host rock for mineralisation), alterations connected with mineralisation, target mineral phases (ore and gangue metal/mineral), paragenesis, primary secondary zones	Petrographic character of rocks Including grain size, texture, controls of mineralisation etc.
Synthesis of all available data	i) Integration of regional/ detailed geophysical, geological and geochemical data, if not done earlier. (should be given in soft copy in shape file)	i) Integration of detailed geophysical, geological and geochemical data, if not done earlier. (should be given in soft copy in shape file)
Not required in the quantum of work	ii) Synthesis of all available data and Report Writing	ii) Synthesis of all available data and report writing

*** Exploration shall be carried out following the norms of The Minerals (Evidence of Mineral Contents) Rules, 2015 and amendments thereafter.**

6. Estimated Expenditure details

Format for submitting Annual Work Plan
(to be submitted at the onset of every field season)

Block Name.....Block Area.....

Field Season Year.....

Stage of Exploration: G4		
Sl. No.	Geological Parameters	Quantum of Work
A. Geological Mapping & Sampling		
1.	Large Scale Mapping (1:12,500 scale) (LSM)	(in sq.km)
2.	Bed Rock Sampling (BRS)	(in nos.)
3.	Pitting/ Trenching (PT)	(in nos.)
4.	Stream Sediment samples (SSS)	(in nos.)
5.	Soil Samples (SS)	(in nos.)
B. Geophysical Survey		
6.	Type of geophysical survey (including aero-geophysical survey) to be executed during each year	(in Lkm)
C. Exploratory Drilling		
7.	Core drilling (specifying the number of boreholes and borehole distance while drilling proposal formulation)	(in meters)
D. Chemical and Petrological Analysis/ Mineral Beneficiation		
8.	BRS+PTS+SSS+SS (the type of analytical method to be implemented based on commodity)	(in nos.)
9.	Petrological Samples (PS)	(in nos.)
10.	Petrochemical Samples (PCS)	(in nos.)
11.	Ore Microscopy (OM)	(in nos.)
12.	EPMA/ SEM/ LAICPMS Studies	(in nos.)
13.	Any other analysis	
E. Research collaboration/consultancy/advisory		

Tentative research collaborations, consultancies, or advisories may be indicated at the onset of each field season. Additional consultancy or collaboration opportunities may be added during the execution of the field project, subject to approval by the TCC NMET.	
F. Justification for taking up the project	
Details should be furnished with surface/ subsurface (pits/old work) geological, geochemical, geophysical data. In case of exploration proposed near the active mine area, sufficient justification should be given by collecting surface samples in suitable location which represent the mineralization from the area proposed for current exploration work along with the analytical data.	
G. Justification for Borehole Plans	
Details should be furnished with surface/ subsurface (pits/old work) geological, geochemical, geophysical data providing proper justification for placing of the boreholes. Due justification may also be given for the depth of drilling along with the levels of drilling required.	

Format for submitting Annual Work Plan
(to be submitted at the onset of every field season)

BlockName.....**Block Area**.....

Field Season Year.....

Stage of Exploration: G3/G2		
Sl. No.	Geological Parameters	Quantum of Work
A. Geological Mapping & Sampling		
1.	Detailed Mapping (1:2000/1:1000/1:500) (DM)	(in sq.km)
2.	Bed Rock Sampling (BRS)	(in nos.)
3.	Pitting/ Trenching (PT)	(in nos.)
B. Geophysical Survey		
4.	Type of geophysical survey (including aero-geophysical survey) to be executed during each year	(in Lkm)
C. Exploratory Drilling		
5.	Core drilling (specifying the number of boreholes and borehole distance while drilling proposal formulation)	(in meters)
D. Chemical and Petrological Analysis/ Mineral Beneficiation		
6.	BRS+PTS (the type of analytical method to be implemented based on commodity)	(in nos.)
7.	Petrological Samples (PS)	(in nos.)
8.	Petrochemical Samples (PCS)	(in nos.)
9.	Ore Microscopy (OM)	(in nos.)
10.	EPMA/ SEM/ LAICPMS Studies	(in nos.)
11.	Mineral Beneficiation	(in kgs)
12.	Any other study/ analysis	
E. Research collaboration/consultancy/advisory		
Tentative research collaborations, consultancies, or advisories may be indicated at the onset of each field season. Additional consultancy or collaboration opportunities may be added during the execution of the field project, subject to approval by the TCC NMET.		

F. Justification for taking up the project
Details should be furnished with surface/ subsurface (pits/old work) geological, geochemical, geophysical data. In case of exploration proposed near the active mine area, sufficient justification should be given by collecting surface samples in suitable location which represent the mineralization from the area proposed for current exploration work along with the analytical data.
G. Justification for Borehole Plans
Details should be furnished with surface/ subsurface (pits/old work) geological, geochemical, geophysical data providing proper justification for placing of the boreholes. Due justification may also be given for the depth of drilling along with the levels of drilling required.