



# Indian Minerals Yearbook 2022 (Part- I : General Reviews)

61<sup>st</sup> Edition

**MINERAL POLICY & LEGISLATION**

**(ADVANCE RELEASE)**

**GOVERNMENT OF INDIA  
MINISTRY OF MINES  
INDIAN BUREAU OF MINES**

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**March, 2024**

## 2 Mineral Policy & Legislation

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### POLICY

#### 1. National Mineral Policy 2019

National Mineral Policy, 2019 has been approved by the Union Cabinet on 28th February, 2019.

##### *Objective*

The aim of National Mineral Policy 2019 is to have a more effective, meaningful and implementable policy that brings in further transparency, better regulation and enforcement, balanced social and economic growth as well as sustainable mining practices.

##### *Details*

The National Mineral Policy, 2019 includes provisions which will give boost to Mining Sector such as:

- introduction of Right of First Refusal for RP/PL holders;
- encouraging the Private Sector to take up exploration;
- auctioning in virgin areas for composite RP-cum-PL-cum-ML on revenue share basis;
- encouragement of merger and acquisition of mining entities;
- transfer of mining leases and creation of dedicated mineral corridors to boost Private Sector mining areas;
- proposes to grant status of industry to mining activity to boost financing of mining for Private Sector and for acquisitions of mineral assets in other countries by Private Sector;
- proposes to auction mineral blocks with pre embedded clearances to give fillip to auction process; and
- proposes to make efforts to harmonise taxes, levies & royalty with world benchmarks to help Private Sector.

#### 2. Notification DMG/34/AUCTION CELL/DUMP POLICY/2023/2044

The “Policy for regulating iron ore dump handling in the State of Goa” is hereby published for the general information of the public. By order and in the name of the Governor of Goa. Dr. S. Shanbhogue, Director & ex officio Joint Secretary. Panaji, 13th September, 2023 Notification DMG/34/AUCTION CELL/DUMP POLICY/2023/2045 Policy for Regulating Iron Ore Dump Handling in the State of Goa Preamble.— The Hon’ble Supreme Court, in Writ Petition (Civil) No. 435 of 2012 filed by Goa Foundation versus the Union of India and others (hereinafter referred to as Goa Foundation I), amongst others, declared vide its Judgment and order dated 21-04-2014 as follows:

(i) the deemed mining leases of the lessees in Goa expired on 22-11-1987 and the maximum of 20 years renewal period of the deemed mining leases in Goa expired on 22-11-2007 and consequently mining by the lessees after 22-11-2007 was illegal and hence the impugned order dated 10-09-2012 of Government of Goa and the impugned order dated 14-09-2012 of the MoEF, Government of India are not liable to be quashed (ii) dumping of minerals outside the leased area of the mining Lessees is not permissible under the MMDR Act and the Rules made thereunder’. Prior to pronouncement of the said Judgment and Order dated 21-04-2014, the State of Goa had notified the Policy for regulating the mining dumps on Government and private lands, and related issues on 03-09-2013. It was a one-time policy formulated for dealing with the issue of mining dumps and other related issues. The said policy largely concerned itself with the violation of the provisions of the Goa Land Revenue Code by virtue of the occupation of Government land and private lands, by mining dumps stacked by the erstwhile leaseholders in the absence of obtaining permission and/or paying the requisite fees towards the conversion of the land use. The said Policy condoned the use of the land upon payment of conversion fees by the erstwhile lease holders. In addition to the above, the erstwhile lease holders were also permitted to thereafter remove the dumps from Government land. However, subsequent to the notification of the said Policy the Hon’ble Supreme Court in Goa Foundation I, declared dumping of minerals outside the lease area itself as illegal. Therefore, in light of the Judgment and order passed in Goa Foundation I, so far as the Policy for regulating the mining dumps on Government and private lands, and related issues collected the conversion charges, fines and rent from the erstwhile lease holders, the same cannot be faulted with, as upon payment of the said amounts the conversion without valid authorization of the land use whereupon the dumps stand, was condoned; however, as the activity of dumping outside the lease area is declared as without valid authorization by the Hon’ble Supreme Court, the erstwhile leaseholders do not have a right to handle the dump, except in accordance with the policy decision reflected herein. Therefore, the present policy is in continuation and modification of the earlier policy for regulating the mining dumps on Government and privatelands, and

related issues. The Hon'ble Supreme Court by its Order dated 11-11-2013 passed in Goa Foundation I constituted an Expert Committee consisting of 6 members to conduct a Macro-EIA study and propose a ceiling of the annual excavation of Iron Ore from the State of Goa, and also sought opinion of the Expert Committee on how to deal with the mining dumps outside the leased area. Further, the Judgment and Order passed in Goa Foundation I, amongst others directed as follows: '88.11. The Expert Committee will submit its report within six months from today on how the mining dumps in the State of Goa should be dealt with and will submit its final report within twelve months from today on the cap to be put on the annual excavation of iron ore in Goa'. As directed vide the Judgment and order passed in Goa Foundation I, the Expert Committee submitted its reports. The issue regarding dumps was covered in the interim report dated 14-10-2014 and the final report dated 12-04-2015 of the Expert Committee. The Government of Goa, thereafter filed an Interlocutory Application bearing No. 6524/2020 before the Hon'ble Supreme Court therein praying for permission to carry out dump mining on the basis of the recommendations of the Expert Committee, which application was allowed vide Order dated 13-12-2022, thereby permitting the Government of Goa to carry out dump mining activities in accordance with the Expert Committee's Report and specifically paragraph No. 6 that is containing the recommendation of the Expert Committee. The Expert Committee in its report dated 12-04-2015 has recorded as follows: 'However, in the State of Goa, the segregation of various categories of mined materials is not very clear. In earlier days and as late as 2005, only saleable material was segregated and the rest was put in dumps. Slowly and steadily miners in Goa adopted segregation methods that conform to the above categorization of mined products in Goa. However, there are several mines which are continuing with the old practice. As a result, the dumps in Goa that are considered to be waste may contain Fe vales of unknown range and also other associated and industrial minerals.' 'Dumps or stacks of ore (raw or processed) that are marketable presently are not dealt with in this report' 'There has been no observation and/or order in the judgement of this Court dated 21st April, 2014, on ownership and/or expropriation of dumps within or outside the mining lease. Therefore, the levy of fees and the handling of the dumps is a State matter and needs to be governed by the State, in accordance with the Goa (Prevention of Illegal Mining, Storage, Transportation of Minerals) Rules, 2013 and GMP 2013, other relevant Acts and Rules.' 'Upon considering the amendment brought about to the Land Revenue Code, the Committee suggested that the appropriation/ ownership of the dumps outside the lease area is in the domain of the Government of Goa. However, by bringing an amendment in the LRC, and its being as per a Mining

Plan (approved by IBM), handling of the dumps located outside the lease area becomes the prerogative of the lessees. In view of this, the Committee suggested that the Government of Goa may formulate a sound dump handling policy, in line with the above judgments/acts/rules, and after taking into consideration the aspects of environment, ecology, economy of the area and conservation of minerals.' Further, the Expert Committee has classified valuable mineral fraction as: a) Ores (Marketable), b) Sub-grade Ore (above threshold value) and c) Low-grade Ore (below threshold value). In light of the decision of the Hon'ble Supreme Court dated 13-12-2022 passed in I. A. No. 6524/2020, the report of the Expert Committee, the Judgment and order dated 21-04-2014 passed in Goa Foundation I, and the Goa Mineral Policy 2013 the Government of Goa is hereby pleased to frame the present policy for regulating dump handling in the State of Goa. The dumps which were created by the mining companies in the land/areas which are not shown in the mining plan were not even permitted by the State Government or any other Authority. Therefore, the Government of Goa has deemed it fit to treat dumps situated outside the lease area but depicted on the mining plan and the dumps situated outside the lease area but not depicted on the mining plan differently. The mining plans which depicted the dumps outside the lease area were duly approved by the Indian Bureau of Mines at the relevant point of time. The Mining plan as per the MC Rules was required to include the handling of waste, mineral rejects, a tentative estimate about accretion of mine waste and its manner and mode of disposal and confinement.

1. Scope of the Policy.— 1.1. As per the declarations provided by the Concessionaires/erstwhile Lessees, the total stock of dumps in Goa exceeds 700 Million Metric Tons as on date. However, some of these dumps were already worked since then. 1.2. Dump constitutes the excavated material accumulated in the form of heap or pile on the surface of the land or stocked on the demineralized area temporarily or permanently during mining, and the material stocked or piled can be re-handled as and when required not only for recovery of Fe mineral and associated minerals but also to fulfil the norms of mine closure plan as specified by the regulatory bodies. Therefore, dumps include not only the piles of stocks of exploitable Fe mineral, but it also includes wastes and tailings. 1.3. A Dump site would mean and include earmarked areas either within the mining lease or outside the lease area utilized for storing ore, overburden lumps or fines, rejects, sub-grade material, tailings or earth/soil generated during mining operation or extraction of ROM. 1.4. The present policy shall cover all dumps including tailing dumps, existing as on date, inventoried and not inventorized created from mining activities and which fall within and outside the lease

areas, irrespective of whether they form a part of the inventory of dumps maintained by the Department of Mines and Geology or not. However, the present Policy shall not apply to those dumps which are located within the lease areas of leases which have been successfully auctioned under sub-section (4) of section 8A of the MMDR Act. This is necessitated as it is not practical to have two operators separately for dump mining and actual mining within the lease area. Therefore, it is proposed that the successful bidder in the auction process is allowed to handle dumps along with other mining activity, subject to having obtained all the necessary approvals and upon the execution of the lease deed between the Directorate of Mines and Geology and the proposed lessee. 2. Dumps situated outside the lease area on private property.—

2.1. All dumps which have not been approved or shown in the mining plan sanctioned by the IBM shall be deemed to be completely illegal and neither the lease holder nor any other person shall have any right to the same. Such dumps shall be compulsorily auctioned by the Government. 2.2. With respect to the inventoried dumps situated on private properties falling outside the lease area, but depicted on the mining plan, only if the Conversion fees in terms of the Policy for regulating the mining dumps on Government and private lands, and related issues and the fine contemplated under sub-section 1A of section 33 of the Goa Land Revenue Code, have been paid; the erstwhile lease holder shall be permitted to remove the dump within a period of five years from the date of publication of the present policy or such further period as may be notified, subject to payment of royalty and compliance of all statutory requirements. 2.3. The erstwhile lease holders who fall under category 2.2. above shall not handle such dumps without the prior permission from the Director of Mines and Geology. The erstwhile lease holder shall prepare a proper plan of handling such dump including the manner in which the same shall be processed and transported. The Directorate of Mines and Geology shall verify upon inspection and the following details shall be identified; details of Mining Lease associated with the site or the person, company, body incorporated, agency, association of person associated with the site, details about ownership of the site, the right under which the said site was used for dumping, permission for temporary use on rent, details of date since the site is or was being used for the purpose of dumping or stocking, the person, company, agency or any other body that is responsible for the site and authorization for the same. 2.4. Samples shall also be collected from three random points of the dump in order to ascertain the Fe content of the material forming the dump. 2.5. With respect to the all dumps (inventoried or not) situated on private property outside the lease area and whether depicted on the mining plan or not, and

wherein the conversion fees with respect to the said land in terms of the Policy for regulating the mining dumps on Government and private lands, and related issues and the fine contemplated under sub-section 1A of section 33 of the Goa Land Revenue Code have not been paid by the erstwhile lease holder, all such dumps shall be auctioned by the Government of Goa. 2.6. With respect to the dumps situated outside the lease area but not depicted on the mining plan, the dump shall be auctioned by the Government of Goa. 3. Dumps situated outside the lease area on Government property.— The dumps situated outside the lease area, on Government property shall be auctioned irrespective of whether the same is depicted on the mining plan and payment of Conversion fees in terms of the Policy for regulating the mining dumps on Government and private lands, and related issues and the fine contemplated under sub-section 1A of section 33 of the Goa Land Revenue Code has been paid by the erstwhile lease holder.

4. Dumps within the lease area wherein the lease area has not been auctioned nor proposed for auction under section 8A of the MMDR Act.— With respect to the leases which have not been put up for auction and are neither proposed for auction in terms of section 8A of the MMDR Act, the Government has already issued Rule 12(1) (hh) notices to such lease holders and as such the lease holders do not have any rights whatsoever to such dumps. These dumps shall be auctioned by the Government of Goa.

5. Manner in which the dumps will be auctioned.— 5.1. The State of Goa shall auction the dumps in accordance with the e-auction policy devised by the State of Goa for such dumps. 5.2. Priority handling of dumps will be accorded to dumps which are unstable, adjoining water bodies or otherwise sensitive in nature. 5.3. Prior to processing any dump for auction, the Directorate of Mines and Geology will conduct a dump profile study of each dump.

5.4 . With respect to the dumps that have not been declared and as such do not form a part of the inventory of dumps maintained by the Government of Goa, the Director of the Directorate of Mines and Geology or his representative, shall upon receiving information of the existence of such a dump, carry out an inspection and add the said dump to the inventory of dumps. The said dump shall thereafter be auctioned in terms of the procedures contemplated in the present policy, irrespective of whether the dump is situated within a lease area or outside the lease area, and/or situated on private land or situated on Government land. 5.5. In the first phase, the un-stabilized dumps lying outside the lease area will be taken up for auction no sooner, the dump profile study is completed qua the said dump.

5.6. The operator for dump mining outside the lease area will be selected through a competitive bidding

process. The successful bidder in the auction process shall need to take all necessary approvals as may be required including environmental clearance from the competent authority, if applicable, consent to operate and various other approvals as may be required from the different authorities.

5.7. Since some of the dumps are within forest areas including Sanctuary causing problem for wild life. The State Government will seek special approval (if required) from the MOEF for the removal of these dumps and/or for the purpose of filling of large pits of closed mines in the interests of afforestation, and wild life preservation and only upon receiving a report from Forest Department that the removal of such dump is in the interest of the flora, fauna, forest cover and in the interest of wildlife, shall the State Government allow the removal of such dumps.

5.8. Apart from payment of royalty, the successful bidder shall also pay DMF, GIOPF and NMET, whichever are applicable under the MMDR Act, 1957 and the rules made thereunder, and any other charges as may be prescribed from time to time by the State Government.

5.9. The Government, in the e-auction policy devised will prescribe the time frame for obtaining the statutory approvals/ clearances/permissions, timelines for carrying out dump mining and clearing the dumps, schedule of payments to be made to the Government and all other conditions as may be required for conduct of dump mining by the successful bidder.

5.10. The entire proceeds of the dump mining activity by the successful bidder will go to the Government treasury and no firm or person is eligible for any claim of whatsoever nature towards any monetary benefit from such proceeds.

5.11. The Government shall not be responsible for any dispute between the erstwhile mining leaseholder, the successful bidder, the land owner and/or any other party, and the successful bidder shall indemnify the Government to that extent.

5.12. Until the study by NEERI into what the optimum quantum of fresh mining in Goa State should be, an ad hoc limit of 25 million tons for dump transportation on public roads is hereby imposed.

6. Compensation to be paid to for breach of surface rights.— 6.1. Where the dump is situated on the property belonging to a private entity and the continuous presence and working of the dump on the said property leads to infringement of the rights of the private entity, the said private entity shall be entitled to

compensation in terms of sub-section (4) of section 36 of the Goa Land Revenue Code.

6.2. Rent/Occupation fees will be payable to the Government of Goa with respect to dumps situated on Government land at the rate as prescribed in the e-auction policy to be devised by the State of Goa.

7. Proceedings and recoveries.— 7.1. The auction of the dump, will not come in the way of the Government of Goa taking action under the provisions of the Goa Land Revenue Code and the Policy for regulating the mining dumps on Government and private lands, and related issues against the party that had created the dump, on Government land outside the lease area, or against the owner of the land wherein the said land upon which the dump stands belongs to a private entity. Save and except those cases wherein proceedings under section 33(1A) of the Goa Land Revenue Code have been initiated and the relevant conversion fees and fines have already been paid.

7.2. In the event the dump in question is the subject matter of an SIT inquiry, the same can be auctioned upon intimation to the SIT, as the continued presence of the dump in no manner facilitates or assists the investigation.

8. Precautions to be carried out whilst carrying out dump mining.— 8.1. Whilst carrying out dump mining all the necessary care and precaution ought to be taken in order to prevent any threat to life, any health hazard, loss of lives from dump sliding etc.

8.2. All reasonable measures need to be put into place to prevent run-off from the dump, siltation and pollution of fields and rivers, estuaries and marshes, and overall degradation of the surrounding environment.

9. Cancellation and modification of earlier policies.— 9.1. The Goa Mineral Policy 2013, to the extent it deals with dump and dump handling stand cancelled for all purposes and shall no more be enforceable.

9.2. The policy for regulating the mining dumps on Government and private lands, and related issues shall stand modified to the extent it is inconsistent with this policy and any such inconsistent clauses in the policy shall be deemed to have been cancelled for all purposes.

10. Powers of the State Government.— Notwithstanding anything contained in the foregoing paragraphs of the present Policy, the State Government, by issuance of notification in the Official Gazette, may amend or withdraw any of the provisions mentioned here in above. By order and in the name of the Governor of Goa. Dr. S. Shanbhogue, Director & ex officio Joint Secretary. Panaji, 13<sup>th</sup> September, 2023.

## LEGISLATION

### Notifications

Important Notifications notified/issued during the period under review are furnished below:

#### Ministry of Mines

**A. Notification No. S.O. 207(E)** dated the 12<sup>th</sup> January, 2023, reads—In exercise of the powers conferred by the second proviso to sub-section (1) of section 4 of the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957), the Central Government hereby rescinds the notification of the Government of India in the Ministry of Mines number S.O. 2307(E), dated the 18th May, 2022, published in Gazette of India, Part II, section 3, sub-section (ii), dated the 18th May, 2022, except as respects things done or omitted to be done before such rescission, with effect from the date of publication of this notification.

**B. Notification No. S.O. 575 (E)** dated the 3<sup>rd</sup> February, 2023, reads— In exercise of the powers conferred by the second proviso to sub-section (1) of section 4 of the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957), the Central Government hereby notifies the Jharkhand Exploration and Mining Corporation Limited, Ranchi for the purposes of the said proviso subject to the condition that the Jharkhand Exploration and Mining Corporation Limited, Ranchi shall make available the data generated in respect of the prospecting operations undertaken by it to the concerned State Government.

2. This notification shall come into force on the date of its publication in the Official Gazette.

**C. Notification No. S.O. 719(E)** dated the 14<sup>th</sup> February, 2023, reads, —In exercise of the powers conferred under rule 58 of the Mineral Conservation and Development Rules, 2017 and with the previous approval of the Central Government in the Ministry of Mines, the Controller General, Indian Bureau of Mines hereby directs all the holders of mining lease and the preferred bidders who are issued with a letter of intent for grant of a mining lease to submit a copy of the digital aerial images which they submit to Indian Bureau of Mines under rule 34A of the said rules to the State Government also within the time specified in rule 34A of the said rules.

2. This order shall come into force on the date of its publication in the Official Gazette.

**D. Notification No.S.O. 789(E)** dated the 21<sup>st</sup> February, 2023, reads — In exercise of the powers conferred by Section 3 of the Public Premises (Eviction of Unauthorized Occupants) Act 1971, the Central Government do hereby appoints, the officer mentioned in column (1) of the table below being officer equivalent to the rank of Gazetted Officer of Government to be Estate Officer for the purpose of said Act, and further directs that the said officer shall exercise the powers and duties imposed by or under the said Act, within the local limits of his jurisdictions in respect of the Public Premises specified in column (2) of the said table.

**E. Notification No. S.O. 934(E)**, dated, 28<sup>th</sup> February, 2023, —In exercise of the powers conferred under the second proviso to sub-section (1) of section 4 of the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957) and consequent

Name and Designation of the officer	Categories of Public Premises and local limits of jurisdiction
(1)	(2)
Shri. Shashi Ranjan Director, Additional charge of Chief Security Officercum- Estate Officer, Bharat Gold Mines Limited Oorgaum Post, Kolar Gold Fields District : Kolar (Karnataka)	Property held by Bharat Gold Mines Limited at Kolar Gold Fields, Post : Oorgaum, District : Kolar, (Karnataka) (As contained in Annex – I) Property held by Bharat Gold Mines Limited at Ramagiri Mines, Post : Dharamavaram, District : Anantapur, (Andhra Pradesh) (As contained in Annex – II)

MINERAL POLICY AND LEGISLATION

**Table-2 BHARAT GOLD MINES LIMITED**

**(A Government of India Enterprise)**

**Details of property held by BGML at K.G.F. Kolar District, Oorgaum Post,  
Karnataka State – 563120**

Sl. No.	Land / Locations	Nos. of House	Total area purchased in Acres	Date of Purchase	Purchase value in Rs.	Village	Taluk	District
1	ND Mine Workmen Houses :							
	a) Single Hutments	3164	480	28.03.1977	1391880	Kediregowdana Kote	Bangarpet	Kolar
	b) Double Hutments	132	71	28.03.1977	205883	GollaHalli,	Bangarpet	Kolar
	c) Measonary model houses	552	174	28.03.1977	504558	Doddarahalli Doddurkapanahalli	Bangarpet	Kolar
	d) Quarters	253	152	28.03.1977	440764	Pitchahalli	Bangarpet	Kolar
	e) Bunglows	62	68	28.03.1977	197184	ReddiedHalli	Bangarpet	Kolar
	f) Industrial Area	—	4120.12	28.03.1977	11947359	Dasarahosaalli	Bangarpet	Kolar
	Total	4163	5065.12		14687628			
2	Champion Reef Mine Workmen Houses :							
	a) Single Hutments	3433	488	28.03.1977	1415083	SwarnaKuppa	Bangarpet	Kolar
	b) Double Hutments	156	59	28.03.1977	171086	Nachihalli, Peddapalli	Bangarpet	Kolar
	c) Measonary model houses	147	41	28.03.1977	118890	Oorgaum Village Bottepalli, Nachalli	Bangarpet	Kolar
	d) Quarters	335	422	28.03.1977	1223699	Ganganathodi	Bangarpet	Kolar
	e) Bunglows	117	310	28.03.1977	898926	Bodigurki	Bangarpet	Kolar
	f) Industrial Area	—	1957.09	28.03.1977	5675091	Kathihalli	Bangarpet	Kolar
	Total	4188	3277.09		9502775			
3	Mysore Mine Workmen Houses :							
	a) Single Hutments	1676	459	28.03.1977	1330990	Dasarahosaalli	Bangarpet	Kolar
	b) Double Hutments	347	141	28.03.1977	408866	Byatrayanahalli	Bangarpet	Kolar
	c) Measonary model houses	266	155	28.03.1977	449463	Doddakallshalli Oorgaum Village	Bangarpet	Kolar
	d) Quarters	210	174	28.03.1977	504558	Ukkarahalli, Kathihalli	Bangarpet	Kolar
	e) Bunglows	61	370	28.03.1977	1072911	Chinnakote,	Bangarpet	Kolar
	f) Industrial Area	—	2468.07	28.03.1977	7156811	Bovinahalli	Bangarpet	Kolar
	Total	2560	3767.07		923599			
	TOTAL SUMMARY :							
1	a) ND Mine Workmen Houses	4163	5065.12		14687628			
2	b) Champion Reef Mine	4188	3277.09		9502775	Bangaradagani	Bangarpet	Kolar
3	c) Mysore Mine Workmen Houses	2560	3767.07		10923599			
	Total	10911	12109.28		35114002			

Note: For all the villages common village name referred as Bangaradagani village for BGML land.

upon accreditation provided by the National Accreditation Board for Education and Training of the Quality Council of India, the Central Government hereby notifies the following agencies as specified in the guidelines for notification of accredited private exploration agencies issued by the Government of India in the Ministry of Mines vide order no. M.VI-16/15/2021- Mines VI, dated the 12th August, 2021 (hereafter referred to as the said guidelines for notification of accredited private exploration agencies) for the purposes of the said second proviso to sub-section (1) of section 4 of the said Act: Table-3 : Exploration agencies for the purposes of the said second proviso to sub-section (1) of section 4 of the said Act:

2. The agencies shall carry out prospecting operations in compliance with the conditions specified in the said

Serial Number	Exploration Agency	Category of Exploration Agency
1	M/s Novomine India Private Limited	A
2	M/s Infrastructure Logistics Private Limited	B

guidelines for notifications of accredited private exploration agencies.

3. This notification shall come into force on the date of its publication in the Official Gazette and shall remain valid for a period of three years from the date of notification or till expiry or termination of the accreditation granted, whichever is earlier

**F. Notification No.** S.O. 2185(E), dated the 12<sup>th</sup> May, 2023—Whereas, Ministry of Environment, Forest and Climate Change issued a notification S.O.5481(E) dated 31 December, 2021 mandating filling of fly ash in the mine voids and mixing of the same to the extent of 25% with the external dumps in all working leases located within 300 kms of radius from any Thermal Power Plant. Whereas, a safety and feasibility study is required to be undertaken for all such operational mines with the due permissions from DGMS and other regulatory authorities. Therefore, in pursuance to the Rule-58 of Mineral Conservation and Development Rules, 2017, it is hereby directed to undertake this study within a period of 60 days. It is further directed to submit a copy of the study report forthwith to the respective Regional Controller of Mines under whose jurisdiction the lease is located. This order shall come into force on the date of its publication in the official gazette.

**G.Notification No.**G.S.R. 563(E), dated, , the 28<sup>th</sup> July ,2023.—In exercise of the powers conferred by the proviso to article 309 of the Constitution and in

supersession of the Indian Bureau of Mines, Director (Ore Dressing), Chief Ore Dressing Officer, Superintending Officer (Ore Dressing), Ore Dressing Officer, Deputy Ore Dressing Officer, Assistant Ore Dressing Officer and Assistant Research Officer (Ore Dressing) Recruitment Rules, 2003 in so far as it relates to the post of Assistant Research Officer (Ore Dressing), except as respect things done or omitted to be done before such supersession, the President hereby makes the following rules regulating the method of recruitment to the post of Assistant Research Officer in the Indian Bureau of Mines, Ministry of Mines, namely:—

1. Short title and commencement. — (1) These rules may be called the Ministry of Mines, Indian Bureau of Mines, Assistant Research Officer, Group ‘B’ Post, Recruitment Rules, 2023

(2) They shall come into force on the date of their publication in the Official Gazette.

2. Number of posts, classification and Level in the pay matrix.— The number of the post, its classification and the level in the Pay Matrix attached thereto shall be as specified in columns (2) to (4) of the Schedule annexed to these rules.

3. Method of recruitment, age-limit, qualifications, etc.- — The method of recruitment, age-limit, qualifications and other matters relating to the said post shall be as specified in columns (5) to (13) of the said Schedule.

4. Disqualification. — No person,- (a) who has entered into or contracted a marriage with a person having a spouse living; or (b) who having a spouse living, has entered into or contracted a marriage with any person, shall be eligible for appointment to the said post:

Provided that the Central Government may, if satisfied that such marriage is permissible under the personal law applicable to such person and the other party to the marriage and that there are other grounds for so doing, exempt any person from the operation of this rule.

5. Power to relax.—Where the Central Government is of the opinion that it is necessary or expedient so to do, it may, by order and for reasons to be recorded in writing, and in consultation with the Union Public Service Commission relax any of the provisions of these rules with respect to any class or category of persons.

6. Saving. — Nothing in these rules shall affect reservation, relaxation of age-limit, and other concessions required to be provided for the Scheduled Castes, the Scheduled Tribes, Other Backward Classes, ex-Servicemen and other special categories of persons in accordance with the orders issued by the Central Government from time to time in this regard.



MINERAL POLICY AND LEGISLATION

SCHEDULE

Table-4

Name of post	Number of post.	Classification.	Level in pay matrix.	Whether selection post or nonselection post.	Age- limit for direct recruits.
1	2	3	4	5	6
Assistant Research Officer.	24* (2023) *Subject to variation dependent on workload.	General Central Service, Group, 'B', Gazetted, Non Ministerial.	Level-7 in the pay matrix (Rs. 44900-142400).	Selection post.	Not exceeding thirty years. (Relaxable for the Government servants upto five years in accordance with the instructions or orders issued by the Central Government).  Note: The crucial date for determining the age-limit shall be as advertised by the Union Public Service Commission.

Educational and other qualifications required for direct recruits.	Whether age and educational qualifications prescribed for direct recruits will apply in the case of the promotees.	Period of probation, if any.	Method of recruitment, whether by direct recruitment or by promotion or by deputation/ absorption and percentage of the vacancies to be filled by various methods.
7	8	9	10
<p>Essential:</p> <p>(i) Masters Degree in Ore Dressing or Mineral Processing or Geology or Physics or Chemistry from a recognized university or institution</p> <p>Or</p> <p>Bachelor of Engineering or Bachelor of Technology degree in Mineral Engineering or Chemical Engineering or Metallurgy from a recognized university or institutions.</p> <p>(ii) Two years experience in conducting mineral beneficiation or mineral characterization for beneficiation of various ores and minerals from a recognized laboratory or beneficiation plant.</p> <p><b>Desirable:</b> Master of Technology in Mineral Engineering from a recognised University or institution.</p> <p><b>Note 1:</b> Qualifications are relaxable at the</p>	Age: No Educational qualification: Yes	Two years for direct recruits. Note: Direct recruits are required to successfully complete a mandatory induction training of at least two weeks duration, as prescribed by the competent authority, for completion of probation. of probation	(i) Eighty per cent. by direct recruitment; (ii) Twenty per cent. by promotion failing which deputation.

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discretion of the Union Public Service Commission, for reasons to be recorded in writing, in the case of candidates otherwise well qualified.

**Note 2:** The qualification(s) regarding experience is/are relaxable at the discretion of the Union Public Service Commission, for reasons to be recorded in writing in the case of candidates belonging to the Scheduled Castes or the Scheduled Tribes if at any stage of selection the Union Public Service Commission, is of the opinion that sufficient number of candidates from these communities possessing the requisite experience are not likely to be available to fill up the vacancies reserved for them.

In case of recruitment by promotion or by deputation/ absorption, grades from which promotion or deputation/ absorption to be made.	If a Departmental Promotion Committee exists, what is its composition.	Circumstances in which Union Public Service Commission is to be consulted in making recruitment.
11	12	13
<p><b>Promotion:</b> Junior Technical Assistant (Ore Dressing) in level-6 (Rs. 35400-112400) with five years service in the grade rendered after appointment thereto on a regular basis and successfully completed four weeks inservice training in the field of Mineral Processing conducted by the Indian Bureau of Mines or any recognised Institute.</p>	<p><b>Group 'B' Departmental Promotion Committee (for considering promotion) consisting of:-</b> 1. Superintending Officer (Ore Dressing), Indian Bureau of Mines - Chairman; 2. Ore Dressing Officer, Indian Bureau of Mines - Member; 3. Senior Administrative Officer,</p>	<p>Consultation with Union Public Service Commission is necessary while making direct recruitment.</p>
<p>Note : Where juniors who have completed their qualifying or eligibility service are being considered for promotion, their seniors would also be considered provided they are not short of the requisite qualifying or eligibility service by more than half of such qualifying or eligibility service or two years, whichever is less and have successfully completed their probation period for promotion to the next higher grade along with their juniors who have already completed such qualifying or eligibility service. Deputation: Officers under the Central Government or State Governments or Union territories: (a) (i) holding analogous posts on regular basis in the parent cadre or Department; or (ii) with five years service in the grade rendered after appointment thereto on</p>	<p>Indian Bureau of Mines - Member. Group 'B' Departmental Confirmation Committee (for considering confirmation) consisting of: - 1. Superintending Officer (Ore Dressing), Indian Bureau of Mines - Chairman; 2. Regional Mining Geologist, Indian Bureau of Mines - Member; 3. Senior Administrative Officer, Indian Bureau of Mines - Member.</p>	

a regular basis in level-6 in the pay matrix (Rs. 35400-112400) or equivalent in the parent cadre or department; and (b) possessing the educational qualification and experience prescribed for direct recruits under column (7). Note 1: The Departmental officers in the feeder grade who are in direct line of promotion shall not be eligible for consideration for appointment on deputation. Similarly, deputationists shall not be eligible for consideration for appointment by promotion. Note 2: Period of deputation in another Ex-cadre post held immediately preceding this appointment in the same or some other organisation or Department of Central Government shall ordinarily not exceed three years. Note 3: The maximum age-limit for appointment by deputation shall be not exceeding fifty-six years as on the closing date of receipt of applications.

**H. Notification No S.O. 3684(E).** the 17<sup>th</sup> August, 2023

—In exercise of the powers conferred by sub-section (2) of section 1 of the Mines and Minerals (Development and Regulation) Amendment Act, 2023 (16 of 2023), the Central Government hereby appoints the 17th day of August, 2023 as the date on which the said Act shall come into force.

**I. Notification No.S.O. 3685(E)** dated the 17<sup>th</sup> August, 2023.—In exercise of the powers conferred by sub-section (2) of section 1 of the Offshore Areas Mineral (Development and Regulation) Amendment Act, 2023 (17 of 2023), the Central Government hereby appoints the 17th day of August, 2023 as the date on which the said Act shall come into force.

**J. Notification S.O F. No. M. I-4/1/2021-Mines I.**, datet the 18<sup>th</sup> August, 2023 — In continuation of this Ministry’s Resolution No. 4 (2) 97-M.I dated. 12.03.2009 (hereinafter referred to as the principal resolution) and its subsequent resolutions amending the principal resolution vide resolution No 4(2)/97-M-I dated 08.06.2009, No.4(6)/2013-M.I dated 07.05.2013, No.M.I-4/1/2017- Mines-I dated 10.12.2018 and No. M.I-4/1/2019-Mines I dated 17.05.2019 regarding reconstitution of the Central

Geological Programming Board (CGPB) and its twelve committees, the following has been decided by the Central Government in the Ministry of Mines, namely:—

(i) In the principal resolution, for Para 7, the following shall be substituted, namely: —

“7. It is, therefore, ordered that with immediate effect, the Central Geological Programming Board shall be constituted as follows: —

- (a) Secretary, Ministry of Mines - Chairman
- (b) Additional Secretary, Ministry of Mines - Member
- (c) Director General, Geological Survey of India - Member
- (d) Joint Secretary (Policy) - Member
- (e) Representatives (not below rank of Joint Secretary) from - Members (12)
- (i) Ministry of Environment, Forest and Climate Change
- (ii) Ministry of New and Renewable Energy
- (iii) Ministry of Earth Sciences
- (iv) Ministry of Civil Aviation
- (v) Ministry of Water Resources, River Development and Ganga Rejuvenation
- (vi) Ministry of Coal

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- |                                                                                |                                                                                                                                |
|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| (vii) Ministry of Steel                                                        | (xxv) Jawaharlal Nehru Aluminium Research Development and Design Centre                                                        |
| (viii) Ministry of Defence                                                     | (JNARDDC), Nagpur, Maharashtra                                                                                                 |
| (ix) Department of Science & Technology                                        | (xxvi) National Mineral Exploration Trust (NMET)                                                                               |
| (x) Ministry of Petroleum and Natural Gas                                      | (xxvii) National Disaster Management Authority (NDMA)                                                                          |
| (xi) Department of Space                                                       | (xxviii) NMDC Limited                                                                                                          |
| (xii) Department of Atomic Energy                                              | (xxix) MOIL Limited                                                                                                            |
| (f) Advisor (Minerals), NITI Aayog - Member                                    | (xxx) KIOCL Limited                                                                                                            |
| (g) Heads of Central Organizations from: - Members (30)                        | (h) Secretaries to the State Governments, Mining and Geology/Industry/Department-                                              |
| (i) Central Ground Water Board (CGWB)                                          | (Directors, Mining & Geology would be Permanent Invitees)                                                                      |
| (ii) Central Water Commission (CWC)                                            | - Members                                                                                                                      |
| (iii) Indian Bureau of Mines (IBM)                                             | (i) Representatives of Industry, from organizations, namely: - Members (06)                                                    |
| (iv) Mineral Exploration & Consultancy Limited (MECL)                          | (i) Federation of Indian Mineral Industries (FIMI)                                                                             |
| (v) Coal India Limited (CIL) and its associates                                | (ii) Confederation of Indian Industry (CII)                                                                                    |
| (vi) CSIR-Central Institute of Mining and Fuel Research                        | (iii) Tata Steel                                                                                                               |
| (vii) Central Mine Planning & Design Institute Limited (CMPDI)                 | (iv) Rungta Mines                                                                                                              |
| (viii) The Singareni Collieries Company Limited (SCCL)                         | (v) Geomysore Services India Pvt. Ltd.                                                                                         |
| (ix) NLC India Limited                                                         | (vi) Hindustan Zinc Limited (HZL)                                                                                              |
| (x) IIT (ISM) Dhanbad                                                          | (j) Addl. Director General/Dy. Director General, Geological Survey of India (GSI)                                              |
| (xi) National Geophysical Research Institute (NGRI)                            | in charge of Regions, Map & Publication, Information Technology & Training                                                     |
| (xii) Wadia Institute of Himalayan Geology (WIHG)                              | Institute                                                                                                                      |
| (xiii) Directorate General of Hydrocarbons (DGH)                               | - Members                                                                                                                      |
| (xiv) Oil and Natural Gas Corporation (ONGC)                                   | (k) Addl. Director General/Dy. Director General, Policy Support System-Planning & Monitoring, Geological Survey of India (GSI) |
| (xv) The Keshava Deva Malaviya Institute of Petroleum Exploration (KDMIPE)     | - Member Secretary                                                                                                             |
| (xvi) Atomic Minerals Directorate for Exploration and Research (AMDER)         | The Chairman may nominate a special representative of any other organization related to geoscience as a Special                |
| (xvii) Survey of India (SOI)                                                   | Invitee to a meeting of the Board or as a Permanent Invitee to all meetings of the Board.”                                     |
| (xviii) Geological Society of India                                            | (ii) In the principal resolution, for the Annexure A, the following Annexure shall be substituted, namely: —                   |
| (xix) The Mining, Geological and Metallurgical Institute of India (MGMI India) | “Annexure A                                                                                                                    |
| (xx) Central Pollution Control Board (CPCB)                                    |                                                                                                                                |
| (xxi) CSIR-National Environmental Engineering Research Institute (NEERI)       |                                                                                                                                |
| (xxii) National Remote Sensing Centre (NRSC)                                   |                                                                                                                                |
| (xxiii) National Centre for Polar and Ocean Research (NCPOR)                   |                                                                                                                                |
| (xxiv) CSIR-National Institute of Oceanography (CSIR-NIO)                      |                                                                                                                                |

**COMPOSITION AND TERMS OF REFERENCE OF THE COMMITTEES**

**Committee I. Ferrous Minerals (Iron, Manganese, Chromite, etc)**

Convenor: Addl. Director General/ Dy. Director General, Geological Survey of India (GSI), Eastern Region (ER), Kolkata

Member Secretary: Director, Policy Support System, Geological Survey of India (GSI), Eastern Region (ER), Kolkata

Members:

1. Ministry of Steel (Director-Tech Level)
  2. Ministry of Mines, Director (Policy)
  3. Ministry of Environment, Forest and Climate Change (Director Level)
  4. DMG, Govt. of Karnataka
  5. DMG, Govt. of Andhra Pradesh
  6. DMG, Govt. of Goa
  7. DGM, Govt. of Rajasthan
  8. DGM, Govt. of Maharashtra
  9. MRD, Govt. of Madhya Pradesh
  10. DGM, Govt. of Chhattisgarh
  11. DMG, Govt. of Jharkhand
  12. DG, Govt. of Orissa
  13. Indian Bureau of Mines (IBM)
  14. Mineral Exploration & Consultancy Limited (MECL)
  15. Tata Iron and Steel Company (TISCO)
  16. Federation of Indian Mineral Industries (FIMI)
  17. National Mineral Exploration Trust (NMET)
  18. National Mission Head-II, GSI
  19. Regional Mission Head-II, GSI (Eastern Region & Southern Region)
  20. Dy. DG of State Units; Directors of GSI associated with the items of Ferrous Group investigations; Director, PSS-P&M-2, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi
- Permanent Invitees: -
- i. NMDC Limited
  - ii. Orissa Mining Corporation Ltd. (OMC)
  - iii. Jindal Steel and Power Ltd. (JSPL)

- iv. Manganese Ore (India) Ltd. (MOIL)
- v. Steel Authority of India Limited (SAIL)
- vi. United Exploration India Pvt. Ltd.
- vii. Ecomen Laboratories Pvt. Ltd.
- viii. JSW Steel

**Committee II. Precious Metals & Minerals (Gold, Platinum Group of Elements, Diamond & Precious Stones)**

Convenor: Addl. Director General/ Dy. Director General, Geological Survey of India (GSI), Southern Region (SR), Hyderabad

Member Secretary: Director, Policy Support System, Geological Survey of India (GSI), Southern Region (SR), Hyderabad

Members:

1. Director (Mines IV), Ministry of Mines
2. Representative of the Ministry of Environment, Forest and Climate Change (MoEFCC)
3. DMG, Govt. of Karnataka
4. DMG, Govt. of Andhra Pradesh
5. DGM, Govt. of Tamil Nadu
6. DGM, Govt. of Maharashtra
7. MRD, Govt. of Madhya Pradesh
8. DMG, Govt. of Jharkhand
9. DG, Govt. of Odisha
10. DGM, Govt. of Chhattisgarh
11. DGM, Govt. of Uttar Pradesh
12. DMG, Govt. of Rajasthan
13. Federation of Indian Mineral Industries (FIMI)
14. Mineral Exploration & Consultancy Limited (MECL)
15. Indian Bureau of Mines (IBM)
16. National Geophysical Research Institute (NGRI)
17. Geo Mysore Services (India) Ltd.
18. National Mineral Exploration Trust (NMET)
19. National Mission Head-II, GSI
20. Regional Mission Head-II, GSI (Eastern Region & Central Region)
21. Dy. DG of State Units; Directors of GSI associated with the items of Precious Metals & Minerals Group

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investigations; Director, PSS-P&M-2, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi

Permanent Invitees: -

- i. Hutti Gold Mines Company Ltd. (HGML)
- ii. Rungta Mines Pvt. Ltd.
- iii. Deccan Gold Mining Ltd.
- iv. Ramgad Mining and Minerals Pvt. Ltd.
- v. NMDC Limited
- vi. Aditya Birla Group (Essel Mining)
- vii. IIT (ISM) Dhanbad
- viii. CSIR-Institute of Minerals and Materials Technology (IMMT), Bhubaneswar, Odisha.
- ix. Maheshwari Mining Pvt. Ltd (MMPL)
- x. Geovale Services Pvt. Ltd.
- xi. Gemcokati Exploration Private Limited.

### **Committee III. Non-Ferrous and Strategic Minerals (Basemetal, Tin, Tungsten, Bauxite)**

Convener: Addl. Director General/ Dy. Director General, Geological Survey of India (GSI), Western Region (WR), Jaipur

Member Secretary: Director, Policy Support System, Geological Survey of India (GSI), Western Region (WR), Jaipur

Members:

1. Ministry of Mines, Director (Metal-I)
2. DMG, Govt. of Andhra Pradesh
3. DMG, Govt. of Rajasthan
4. DGM, Govt. of Maharashtra
5. DGM, Govt. of Tamil Nadu
6. DMG, Govt. of Karnataka
7. DG, Govt. of Orissa
8. DGM, Govt. of Jharkhand
9. Atomic Minerals Directorate for Exploration and Research (AMDER)
10. Indian Bureau of Mines (IBM)
11. Mineral Exploration & Consultancy Limited (MECL)
12. Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC), Nagpur, Maharashtra
13. The Energy and Resources Institute (TERI)

14. National Mineral Exploration Trust (NMET)

15. National Mission Head-II, GSI

16. Regional Mission Head-II, GSI (Western Region & Central Region)

17. Dy.DG of State Units; Directors of GSI associated with the items of Strategic and Non-ferrous investigations; Director, PSS-P&M-2, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi

Permanent Invitees: -

- i. Defence Research and Development Organisation (DRDO, Hyderabad)
- ii. Hindustan Copper Limited (HCL)
- iii. National Aluminium Company Limited (NALCO)
- iv. Defence Metallurgical Research Laboratory (DMRL, New Delhi)
- v. HINDALCO
- vi. IMMT, Bhubaneswar
- vii. IREL (India) Limited, Kerala
- viii. Kerala Rare Earths and Minerals Ltd.
- ix. Bhabha Atomic Research Centre (BARC)
- x. Geo Mysore Services India Pvt. Ltd.
- xi. Geovale Services
- xii. Council on Energy, Environment and Water (CEEW)
- xiii. Centre for Social and Economic Progress (CSEP)
- xiv. Hindustan Zinc Limited (HZL)

### **Committee IV: Industrial and Fertilizer Minerals**

Convener: Addl. Director General/ Dy. Director General, Geological Survey of India (GSI), Central Region (CR), Nagpur

Member Secretary: Director, Policy Support System, Geological Survey of India (GSI), Central Region (CR), Nagpur

Members:

1. Director (Tech.), Ministry of Mines
2. Director, Ministry of Fertilizer
3. Director, Department of Industry
4. DGM, Govt. of Rajasthan
5. DGM, Govt. of Uttar Pradesh
6. CGM, Govt. of Gujarat

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7. MRD, Govt. of Madhya Pradesh
8. DMG, Govt. of Meghalaya
9. DGM, Govt. of Maharashtra
10. DGM, Govt. of Jammu & Kashmir
11. DMG, Govt. of Andhra Pradesh
12. DMG, Govt. of Karnataka
13. DG, Govt. of Odisha
14. Geological Wing, Dept. of Industries, Govt. of Himachal Pradesh
15. DGM, Govt. of Chhattisgarh
16. DGM, Govt. of Assam
17. DMG, Govt. of Telangana
18. DGM, Uttar Pradesh
19. DGM, Rajasthan
20. DGM, Bihar
21. Indian Bureau of Mines (IBM)
22. Mineral Exploration & Consultancy Limited (MECL)
23. National Mineral Exploration Trust (NMET)
24. National Mission Head-II, GSI
25. Regional Mission Head-II, GSI (Southern Region & North Eastern Region)
26. Dy.DG of State Units (Rajasthan or Madhya Pradesh); Directors of GSI associated with the items of Industrial and Fertilizer Mineral Group investigations; Director, PSS-P&M-2, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi

Permanent Invitees: -

- i. Representative of Cement Industry (ACC Limited)
- ii. FCI Aravalli Gypsum and Minerals India Ltd.
- iii. Rajasthan State Mines and Minerals limited (RSMML)
- iv. Ultratech Cement

### **Committee V: Energy Minerals & Resources (Coal, Lignite & Geothermal)**

Convener: Dy. Director General & HoD, Natural Energy Resources (NEnR), M-IIB, Geological Survey of India (GSI), Kolkata

Member Secretary: Director, NEnR, M-IIB, Geological Survey of India (GSI), Kolkata

Members:

1. Ministry of Coal (Director-Technical level)
2. Ministry of Mines (Director-Technical)
3. Ministry of New and Renewable Energy (Director-Technical level)
4. NITIAayog (Advisor/Joint Advisor: Power & Energy)
5. DGM, Govt. of Maharashtra
6. CGM, Govt. of Gujarat
7. DGM, Govt. of Rajasthan
8. DGM, Govt. of Chhattisgarh
9. DMG, Govt. of Jharkhand
10. DMM, Govt. of West Bengal
11. DG, Govt. of Odisha
12. MRD, Govt. of Madhya Pradesh
13. DGM, Govt. of Tamil Nadu
14. DMG, Govt. of Andhra Pradesh
15. DGM, Govt. of Uttar Pradesh
16. DMG, Govt. of Telangana
17. DGM, Govt. of Assam
18. DMG, Govt. of Meghalaya
19. DGM, Govt. of Nagaland
20. DGM, Govt. of Arunachal Pradesh
21. DGMR, Govt. of Mizoram
22. DG, Hydrocarbons
23. CSIR-NGRI
24. NLC India Limited
25. Mineral Exploration & Consultancy Limited (MECL)
26. CIL (CMPDIL, Ranchi)
27. The Singareni Collieries Company Limited (SCCL)
28. CSIR-CIMFR
29. The Energy and Resources Institute (TERI)
30. National Mineral Exploration Trust (NMET)
31. Chief Engineer, CHQ, GSI
32. Dy. DG, Policy Support System Planning & Monitoring, GSI
33. Dy. DG, Central Chemical Lab, CHQ, GSI
34. National Mission Head-II, GSI
35. Regional Mission Head-II, GSI (North Eastern Region & Eastern Region)

36. Directors of GSI associated with Energy Minerals & Resources (Coal, Lignite & Thermal); Director, PSS P&M-2, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi

Permanent Invitees: -

- i. Steel Authority of India Limited (SAIL)
- ii. Tata Steel
- iii. NTPC Limited
- iv. CSIR-NML, Jamshedpur
- v. The Mining, Geological & Metallurgical Institute of India (MGMI)
- vi. Adani Enterprises
- vii. Jindal Steel and Power Limited (JSPL)

**TERMS OF REFERENCE FOR COMMITTEES OF THE CGPB FOR MINERALS (COMMITTEE-I TO COMMITTEE-V)**

Committee-I: Ferrous Minerals, Committee-II: Precious Metals & Minerals, Committee-III: Non Ferrous and Strategic Minerals, Committee-IV: Industrial and Fertilizer Minerals and Committee-V: Energy Minerals and Resources Committees of the CGPB were reconstituted with the following terms of reference: -

1. To formulate annual and five year plans for regional, detailed and promotional exploration on a national scale.
2. To review the work done so far relating to the activity domain of the Committee including the ongoing programs along with the utilization of the budget of promotional exploration schemes sponsored by different Ministries of Government of India.
3. To coordinate the exploration work by Government, Public and Private agencies as per the defined plan objectives and priorities.
4. To facilitate and promote partnership between Central and State organizations and Public-Private partnership in exploration.
5. To prepare status papers, long/short term perspective plans, updating manual of end-users specifications keeping in view progressive advancement of knowledge and technology.
6. To prepare and update the database (including status map) of all regional and detailed exploration involving Central, State and private agencies.

7. To formulate methodology and act as a nodal agency for data sharing and dissemination.

8. To advise government on conservation and optimum utilization of minerals taking into consideration the future needs of the country through adoption of scientific mining, ore dressing and beneficiation technology in tune with global standards.

9. To ensure uploading of the data in the National Geoscience Data Repository (NGDR) as per the Mineral Exploration Reporting Template (MERT) by the CL/ML/EL holders and other agencies engaged in mineral exploration, as per rule, and monitor its availability in public domain after lock-in period through an identified system.

10. To prioritize Research and Development work in the mineral sector related to exploration techniques, modernization of field/sampling equipments and beneficiation.

11. To advise Government on human resource development and training of personnel in order to strengthen the manpower of Central and State organizations.

The Committee shall have the power to co-opt other institutions as invitees as felt necessary for fruitful deliberation of the Committee.

**Committee VI: Marine Geology & Exploration and Coastal Geoscience**

Convener: Dy. Director General & HoD, Geological Survey of India (GSI), Marine & Coastal Survey Division (MCSD), Mangaluru

Member Secretary: Director, Policy Support System(PSS), Geological Survey of India (GSI), Marine & Coastal Survey Division (MCSD), Mangaluru

Members:

1. Ministry of Mines, New Delhi (Director Tech Level)
2. Ministry of Earth Sciences, New Delhi (Director Tech Level)
3. Department of Science & Technology (DST), New Delhi (Director Tech Level)
4. Indian Bureau of Mines (IBM), Nagpur
5. Directorate General of Hydrocarbon, New Delhi
6. DG, Govt. of Odisha
7. DMG, Govt. of Andhra Pradesh



8. DGM, Govt. of Tamil Nadu
9. DMG, Govt. of Kerala
10. DMG, Govt. of Karnataka
11. DGM, Govt. of Maharashtra
12. DMG, Govt. of Goa
13. CGM, Govt. of Gujarat
14. National Centre of Polar & Ocean Research (NCPOR), Goa
15. National Institute of Oceanography (NIO), Goa
16. Atomic Mineral Directorate for Exploration and Research (AMDER), Hyderabad
17. National Mission Head-IA, GSI
18. National Mission Head-II, GSI
19. Dy. DG of State Units; Directors of GSI associated with the investigations on Marine Geology & Exploration and Coastal Geoscience; Director, PSS-P&M-1, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi

Permanent Invitees: -

- i. Shipping Corporation of India (SCI), Mumbai
- ii. Indian Navy (IN), New Delhi
- iii. National Physical Oceanographic Laboratory (NPOL), Cochin
- iv. National Hydrographic Office (NHO), Dehradun
- v. Space Application Centre (SAC), Ahmedabad
- vi. Indian National Centre for Ocean Information Services (INCOIS), Hyderabad
- vii. National Institute of Ocean Technology (NIOT), Chennai
- viii. Coastal Erosion Directorate, Central Water Commission, New Delhi
- ix. Integrated Coastal and Marine Area Management (ICMAM), Chennai
- x. Geomarine solutions

**TERMS OF REFERENCE FOR COMMITTEE VI (MARINE) OF THE CGPB**

1. To formulate annual and five year plans on a national scale.
2. To review the work done so far relating to the activity domain of the committee including ongoing projects.

3. To make concrete suggestions on the various on-going programmes of GSI and other organizations with reference to the Plan objectives;

4. To recommend changes, if necessary, in priorities assigned to various items of work. The priorities and sharing of responsibilities between MoM and MoES have to be defined with respect to (a) systematic seabed mapping and regional offshore mineral exploration in Exclusive Economic Zone (EEZ) and also allocated deep sea areas as per mineralization and (b) systematic seabed mapping of the Extended EEZ in future.

5. To update the classification of the coastal morphology and digitization of the data with a view to use these data for planning remedial measures for coastal disasters.

6. To propose reclassification of offshore data generated by various organizations for data dissemination to various user agencies keeping in view the strategic and classified nature of the offshore data and to work out the modalities of exchanging the same amongst member organizations as well as in the public domain.

7. To prepare status papers, long/short term perspective plans and creating end users specifications in view of the new developments in NMP 2019.

8. To suggest collaborative programme between GSI and other member organizations and specialized institutions in India and abroad for development of knowledge in marine geosciences.

9. To advise on any matter of special significant relating to particular activity domain viz., coastal geoscience, geotechnical parameters, environmental assessment etc. as considered necessary by the Committee.

10. The Committee shall have the power to co-opt other institutions as invitees as felt necessary for fruitful deliberation of the Committee.

**Committee VII: Airborne Survey & Remote Sensing**

Convener: Dy. Director General & HoD, Geological Survey of India (GSI), Remote Sensing and Aerial Survey (RSAS), Bengaluru

Member Secretary: Dy. Director General & HoD, Geological Survey of India (GSI), Remote Sensing and Aerial Survey (RSAS), Bengaluru

Members:

1. Ministry of Mines, New Delhi (Director Tech Level)

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2. Ministry of Defence (Director Tech Level)
  3. Indian Bureau of Mines (IBM)
  4. DGM Govt. of Madhya Pradesh
  5. DG, Govt. of Odisha
  6. DMG, Govt. of Rajasthan
  7. DMG, Govt. of Andhra Pradesh
  8. DMG, Govt. of Karnataka
  9. DGM, Govt. of Chhattisgarh
  10. DGM, Govt. of Maharashtra
  11. CGM, Govt. of Gujarat
  12. National Remote Sensing Center (NRSC)
  13. Oil and Natural Gas Corporation (ONGC)
  14. Atomic Minerals Directorate for Exploration & Research (AMDER)
  15. Central Ground Water Board (CGWB)
  16. DG, Hydrocarbons (DGH), New Delhi
  17. National Geophysics Research Institute (NGRI)
  18. All Regional Remote Sensing Service Centres (RRSC-ISRO)
  19. Orissa Mining Corporation (OMC)
  20. Hutti Gold Mines Company Limited (HGML)
  21. Mineral Exploration & Consultancy Limited (MECL)
  22. Uranium Corporation of India Limited (UCIL)
  23. M/s Singareni Collieries Co. Ltd., Telangana
  24. National Mineral Development Corporation (NMDC)
  25. Kudremukh Iron Ore Co. Ltd., Bengaluru
  26. CMPDI, Ranchi
  27. Axiom Exploration Group Ltd.
  28. National Mission Head-IB, GSI
  29. National Mission Head-II, GSI
  30. Regional Mission Head-I, GSI (Western Region & Southern Region)
  31. Dy. DG of State Units; Directors of GSI associated with the investigations on Airborne Survey & Remote Sensing; Director (PGRS); Director, PSS-P&M-1, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi
- Permanent Invitees: -
- i. Director General of Civil Aviation (DGCA)
  - ii. Geological Society of India
  - iii. Indian Institute of Remote Sensing (IIRS), Dehradun
  - iv. Karnataka, Gujarat, Rajasthan State (Remote Sensing Centres)
  - v. Project Coordinator, ASRS Group (AMD)
  - vi. McPhar India
  - vii. Sanders Geophysics India Private Limited

### **TERMS OF REFERENCE FOR COMMITTEE VII (AIRBORNE SURVEY & REMOTE SENSING) OF THE CGPB**

1. To formulate annual and five year plans on a national scale.
  2. To review the work done by various organizations so far relating to the activity domain of the committee.
  3. To make concrete suggestions on the various ongoing programmes of GSI and other organizations with reference to the Plan objectives.
  4. To develop mutual interaction and collaboration amongst the different organizations with a view to share databases and developing applications for making least use of the information for geoscientific purposes.
  5. To promote dissemination of aerogeophysical data and maps in the public domain and find out ways to remove restrictions in sharing aerogeophysical data or suggest suitable measures necessary from time to time.
  6. To review and monitor technological developments in airborne and heliborne remote sensing and suggest new and cutting-edge technology for adoption for survey and mapping, including hyperspectral and gravity mapping.
  7. To review the prevalent rules/ restrictions of acquisition, processing, utilization, archiving and publication of data accrued through Exploration License (EL).
  8. To advise the Government on any related matter as the Committee considers necessary.
- The Committee shall have the power to co-opt other institutions as invitees as felt necessary for fruitful deliberation of the Committee.

**Committee VIII: Geology & Mineral Resources of North Eastern Region (NER)**

Convener: Addl. Director General/ Dy. Director General, Geological Survey of India (GSI), North Eastern Region (NER), Shillong

Member Secretary: Director, Policy Support System (PSS), Geological Survey of India (GSI), North Eastern Region (NER), Shillong

Members:

1. Director (Technical), Ministry of Mines
2. Advisor (Technical Programming Planning Co-ordination), Ministry of Mines
3. Representative of NITI Aayog, Govt. of India (Advisor-Mines)
4. Representative of MoES, Govt. of India
5. Representative of MoEFCC, Govt. of India
6. Indian Bureau of Mines (IBM)
7. Mineral Exploration & Consultancy Limited (MECL)
8. Central Ground Water Board (CGWB)
9. Central Water Commission (CWC)
10. Oil and Natural Gas Corporation (ONGC)
11. Atomic Minerals Directorate for Exploration and Research (AMDER)
12. DGM, Government of Arunachal Pradesh
13. DGM, Government of Assam
14. DCI, Government of Manipur
15. DMG, Government of Meghalaya
16. DGMR, Government of Mizoram
17. DGM, Government of Nagaland
18. DIC, Government of Tripura
19. DMMG, Government of Sikkim
20. Tata Iron & Steel Ltd, Tatanagar
21. Central Mine Planning and Design Institute Ltd (CMPDIL)
22. Dy. Director General, GSI Training Institute, Hyderabad
23. Dy. DG, GSI, NEnR, M-IIB, GSI, Kolkata
24. National Mission Head-II, GSI
25. Regional Mission Head-II, GSI, NER

26. Dy. DG of State Units; Directors of GSI associated with the investigations on Geology & Mineral Resources

of NER; Director, PSS-P&M-2, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi

Permanent Invitees: -

- i. Representative of DONER, Govt. of India (Director level)
- ii. NEC (Advisor, Minerals)
- iii. Brahmaputra Board
- iv. Border Road Organisation
- v. Oil India Limited (OIL)
- vi. NHPC Limited
- vii. NTPC Limited
- viii. North Eastern Electric Power Corporation Limited (NEEPCO)
- ix. North East Institute of Science & Technology (formerly RRL), Jorhat
- x. Representative from Geology Dept., Nagaland University
- xi. Representative from Geology Dept., Manipur University
- xii. Representative from Geology Dept., Guwahati University
- xiii. Representative from Geology Dept., Dibrugarh University
- xiv. Representative from Geology Dept., Tezpur University
- xv. Representative from Geology Dept., Assam University, Silchar
- xvi. Representative from Geology Dept. Sikkim University, Gangtok
- xvii. Northeastern Hill University, Shillong
- xviii. IIT, Guwahati
- xix. Lafarge India Pvt. Ltd.
- xx. North Eastern Frontier Railway
- xxi. National Highways & Infrastructure Development Corporation Limited (NHIDCL)
- xxii. North Eastern Coal Limited (unit of CIL only)
- xxiii. Oil and Natural Gas Corporation (ONGC)

xxiv. Coal India Limited

xxv. Star Cement

**TERMS OF REFERENCE FOR COMMITTEE VIII (NORTHEASTERN REGION) OF THE CGPB**

1. To formulate annual and five year plans on a regional scale.
2. The Committee to act as a common platform for all participants (Govt., public, private, universities, R&D institutions etc.) in the field of Geoscience activity.
3. To monitor and coordinate all earth science related activity in the NER by the different stakeholders, both public and private, for mapping, exploration & exploitation of mineral resources.
4. To address all issues related to the fragile ecosystem of the Region in terms of both natural and anthropogenic hazards.
5. NER being the hydropower store house of the country with both public and private organizations engaged for its development, the Committee will act as a common platform to deliberate/ resolve all issues particularly directed towards geological surprises and engineering solutions on water resource development.
6. To recommend changes, if necessary, in priorities assigned to various items of work.
7. To prepare status papers on various emergent issues, long/ short term perspective plans.
8. The Committee shall have power to co-opt other institutions as invitees as felt necessary for fruitful deliberation of the Committee.

**Committee IX: Geoscientific Investigations** (Geotechnical investigation, Natural Hazards, Climate Change, Environmental Geology, Shallow subsurface Geology & Subsurface Hydrology)

Convener: Addl. Director General/ Dy. Director General, Geological Survey of India (GSI), Northern Region (NR), Lucknow  
Member Secretary: Director, Policy Support System (PSS), Geological Survey of India (GSI), Northern Region (NR), Lucknow

Members:

1. Ministry of Mines, (Director Technical)
2. Ministry of Environment, Forest and Climate Change
3. Ministry of Earth Sciences, New Delhi

4. National Remote Sensing Centre (NRSC), ISRO
5. DGM, Government of Jammu & Kashmir
6. Geological Wing, Department of Industries, Government of Himachal Pradesh
7. Geology & Mining Unit, Government of Uttarakhand
8. DGMs of North Eastern States
9. National Environmental Engineering Research Institute, Nagpur
10. Central Ground Water Board (CGWB)
11. National Mission Head-IV, GSI
12. Regional Mission Head-IV, GSI (Northern Region, Southern Region)
13. Dy.DGs and Directors of GSI associated with Geoscientific Investigations (Geotechnical investigation, Natural Hazards, Climate Change, Environmental Geology, Shallow Subsurface Geology & Subsurface

Hydrology); Director, PSS-P&M-4, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi

Permanent Invitees: -

- i. National Disaster Management Authority, New Delhi
- ii. National Institute of Hydrology, Roorkee
- iii. Central Electricity Authority (CEA)
- iv. National Hydroelectric Power Corporation (NHPC)
- v. NWDA
- vi. G.B.Pant Institute of Himalayan Environment and Development, Almora
- vii. Central Pollution Control Board
- viii. Snow and Avalanche Study Establishment (SASE), Chandigarh
- ix. Department of Civil Engineering, IIT Kanpur
- x. Institute of Seismological Research, Gandhinagar
- xi. SDM/RC, Government of Jammu & Kashmir
- xii. SDM/RC, Government of Himachal Pradesh
- xiii. SDM/RC, Government of Uttarakhand
- xiv. SDM/RC, Government of Northeastern States
- xv. National Institute of Rock Mechanics (NIRM)
- xvi. National Geophysical Research Institute (NGRI)

**TERMS OF REFERENCE FOR COMMITTEE IX  
(GEOSCIENTIFIC INVESTIGATIONS) OF THE CGPB**

1. To formulate annual and five year plans on a national scale.
2. To advise the Government from time to time on societal issues arising out of natural hazards and to suggest probable preventive/mitigation measures including rehabilitation.
3. To monitor and collect data systematically (where possible on a spatial basis) on a large number of parameters relating not only to landslides and earthquakes, but also other public-health and public good issues having a geospatial dimension like Arsenic, Fluorine pollution, etc.
4. To review the work done by different organizations including Standing Committee on Geosciences (SC-G) under Planning Committee-Space Applications Management System (PC-SAMS), PM Committee on Climate Change, etc. and to assess their proposals for future work and to identify the gap areas for future course of action in the geoscientific domains under the purview of the Committee.
5. Promoting use of the state-of-the-art research in the geo-environmental and natural hazard domains for effective management of the earth system and its resources.
6. To enable integration of relevant data sets including spatial data in order to help develop a GIS application for planning, management, prevention, etc. in respect of various geoscientific related events including natural hazards.
7. To advise CGPB on any other urgent matter relating to the particular activity domain, as considered necessary by the Committee.
8. The Committee is empowered to convene meetings on smaller groups on specialized subject matter with specific agenda.
9. The Committee may co-opt other institutions as invitees as and when necessary for fruitful deliberations.

**Committee X: Fundamental and Multidisciplinary Geoscience**

Convener: Addl./Dy. Director General & National Mission Head-IV, Geological Survey of India (GSI), Kolkata

Member Secretary: Director, M-IV, National Centre of Excellence in Geoscience Research (NCEGR), Geological Survey of India (GSI), Kolkata

Members:

1. Director (Technical), Ministry of Mines, New Delhi
2. Representative from Dept. of Science and Technology, Govt. of India
3. Oil and Natural Gas Commission, Dehradun
4. National Geophysical Research Institute, Hyderabad
5. Wadia Institute of Himalayan Geology, Dehradun
6. Representative of Indian Bureau of Mines
7. Representative of Atomic Mineral Directorate of Exploration and Research
8. Regional Mission Head-IV, GSI (Northern Region, Eastern Region, Southern Region)
9. DDGs and Directors of GSI connected with Mission –IV Laboratories, programmes on Fundamental Geoscience; Dy. Director General, Training Institute; Director, PSS-P&M-4, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi

Permanent Invitees: -

- i. Representative of CSIR
- ii. Indian Meteorological Department, Delhi
- iii. Representative from Geology Dept., Punjab University
- iv. Representative from Geology Dept., Calcutta University
- v. Representative from Geology Dept., Anna University
- vi. Representative from Geology Dept., Jadavpur University
- vii. Representative from Geology Dept., Delhi University
- viii. Representative from Geology Dept., M.S. Baroda University
- ix. Representative from Geology Dept., Mysore University
- x. Representative from Geology Dept., Osmania University
- xi. Representative from IIT's (Kharagpur, Mumbai, Roorkee)
- xii. Representative from Centre for Earth Science Studies, Thiruvananthapuram

- xiii. Representative from Defence Metallurgical Research Laboratory (DMRL, Hyderabad)
- xiv. Representative from NCEMP, Allahabad
- xv. Representative from Birbal Sahni Institute of Palaeosciences, Lucknow
- xvi. Representative of Indian School of Mines and Applied Geology
- xvii. Representative of NEERI
- xviii. Representative of CGWB
- xix. Representative of Zoological Survey of India
- xx. Representative of Botanical Survey of India
- xxi. Representative from Geology Dept., Pondicherry University
- xxii. Representative of National Institute of Oceanography
- xxiii. Representative from Dept. of Geology, Savitribai Phule University, Pune
- xxiv. Representative from Earth Sciences IISER Kolkata
- xxv. Representative from Geological Studies Unit Indian Statistical Institute
- xxvi. Hindustan Zinc Limited (HZL)
- xxvii. Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC)
- xxviii. Mineral Exploration & Consultancy Limited (MECL)

**TERMS OF REFERENCE FOR COMMITTEE-X (FUNDAMENTAL AND MULTIDISCIPLINARY GEOSCIENCE) OF THE CGPB**

1. To promote and prioritize research in the field of fundamental and applied Geoscience (Geology, Geophysics, Geochemistry, Geomatics).
2. To encourage better understanding of geological process in the crust and lithosphere, evolution of earth, localization of minerals, etc.
3. To review the state of education in Geosciences and make recommendations to improve the quality of geoscientific education particularly at higher levels in order to improve the pool of geoscience talent.
4. To review policy relating to Geoscientific research and make recommendations for improving research infrastructure, funding etc; and ensure better mutual coordination between field practices and fundamental research.

5. To continuously review global technological advancements in instrumentation (analytical and scientific) and methodologies and recommend state-of-the-art techniques to be adopted, in order to modernize the

laboratories, to bring these at par with international standards.

6. To facilitate and coordinate sharing of laboratory facilities available with different organizations for optimum use.

7. To promote R&D work for evolving new and efficient techniques in the mineral exploration and mining, for locating new mineral resources, value addition, maximizing utilization and conservation of existing natural resources.

8. Participation of different organizations in preparation of Standard Reference Material.

9. To help improve the geoscientific knowledge within the States and Central institutions by training or other knowledge acquisition measures for the existing personnel both in field and laboratory techniques and to suggest knowledge sets of personnel for the future.

10. To focus on the long-term and short-term activity domains and working plans of different organizations.

11. Collection, maintenance, preservation and documentation of earth science samples for curatorial, geological and chemical studies and for exhibition and display purposes.

**Committee XI: Geoinformatics & Data Management**

Convener: Addl./Dy. Director General & National Mission Head-III, Geological Survey of India (GSI), Kolkata

Member Secretary: Director (TC), Mission-III, Geological Survey of India (GSI), Kolkata

Members:

1. Director (Technical), Ministry of Mines
2. Indian Bureau of Mines (IBM)
3. Mineral Exploration & Consultancy Limited (MECL)
4. Ministry of Earth Sciences (MoES)
5. Department of Science and Technology (DST) (dealing with geospatial policies and issues)

6. Atomic Minerals Directorate for Exploration and Research (AMDER)
  7. Directorate of Geology and Mining of all States and Union Territories
  8. Oil and Natural Gas Corporation (ONGC)
  9. Survey of India (SOI)
  10. National Remote Sensing Centre (NRSC)
  11. National Geophysical Research Institute (NGRI)
  12. Central Ground Water Board (CGWB)
  13. DDGs in-charge of National Geoscience Data Repository(NGDR) and Online Core Business Integration System (OCBIS)
  14. DDGs and Directors of GSI associated with programmes on Geoinformatics and data management, NGDR; Director PSS-P&M-3, GSI, CHQ, Kolkata; and Director, CGPB Secretariat, DGCO, New Delhi
- Permanent Invitees: -
- i. DDG (NIC) dealing with GIS
  - ii. Technical Director (NIC) Ministry of Mines
  - iii. AMD (NIC)
  - iv. One representative of each State to be nominated by Secretary (Information Technology) of the State
  - v. National Spatial Data Infrastructure (NSDI)
  - vi. National Geospatial Programme Division (erstwhile NRDMS)
  - vii. India Meteorological Department (IMD)
  - viii. National Disaster Management Authority (NDMA)
  - ix. Ministry of Home Affairs (MHA)
  - x. Bhaskaracharya Institute for Space Applications and Geoinformatics (BISAG-N)
  - xi. Maharashtra Remote Sensing Application Centre (MRSAC)

**TERMS OF REFERENCE FOR COMMITTEE XI (GEOINFORMATICS) OF THE CGPB**

1. To promote use of information technology in geoscientific activity, develop Geoinformatics with a strong spatial and attribute database.
2. To facilitate coordination among geoscientific agencies to develop common standards and sharable

databases under the NSDI architecture and in line with the directives of Geospatial Data Promotion and Development Committee (GDPDC) from time to time; and encourage wide and easy dissemination of geoscientific information through internet-based technologies.

3. To review the National Geoscience Data Repository (NGDR) and take advice from stakeholders for improving NGDR.
4. To coordinate with Mining Tenement & Registry System developed by IBM.
5. To formulate policy and advice CGPB for providing access to quality and unique geospatial and non-spatial data.
6. To develop new methodologies for sophisticated management of data through the use of domain enriched software to produce 3D and modelling out puts.
7. To review the work done so far relating to the activity domain of the Committee, with reference to GSI portal.
8. The Committee shall have power to co-opt other institutions as invitees as felt necessary for fruitful deliberations of the Committee.

**Committee XII: Geoscience for Sustainable Development**

Convener: Joint Secretary (Policy), Ministry of Mines  
 Member Secretary: Director (Tech.), Ministry of Mines  
 Members:

1. Advisor (TPPC), Ministry of Mines
2. Representative of Ministry of Environment, Forest & Climate Change, MoEFCC
3. Representative of the Department of Science & Technology
4. Representative of Ministry of Health and Family Welfare
5. Representative of Ministry of Agriculture and Farmers' Welfare
6. Representative of Ministry of Rural Development (MoRD)
7. Representative of Department of Land Resources
8. Representative of Ministry of Housing and Urban Affairs
9. Representative of Ministry of Water Resources, River Development and Ganga Rejuvenation
10. Representative of Ministry of Earth Sciences

11. National Environmental Engineering Research Institute (NEERI)
  12. Indian Bureau of Mines (IBM)
  13. Central Ground Water Board (CGWB)
  14. State Agencies dealing with GIS/Spatial data application (to be nominated by respective State Governments)
- Permanent Invitees: -
- i. 10 NGOs of all India character having track record of dealing with issues relating to sustainable development to be nominated in consultation with the Ministries/ Departments at S. No. 2 to 10 above.
  - ii. Centre for Science and Environment, New Delhi
  - iii. ICAR-NBSS&LUP
  - iv. National Spatial Data Infrastructure (NSDI)
  - v. National Geospatial Programme Division (erstwhile NRDMS)
  - vi. School of Environment Sciences, JNU
  - vii. Indian Institute of Remote Sensing, Dehradun
  - viii. Indian National Centre for Ocean Information Services, Hyderabad
  - ix. The Energy and Resources Institute (TERI)
  - x. Representatives from CSIR

**TERMS OF REFERENCE FOR COMMITTEE OF THE CGPB FOR XII (GEOSCIENCE FOR SUSTAINABLE DEVELOPMENT)**

1. To facilitate integration of geoscience into policy making for environmental issues and to transmit the concepts to potential interest groups including policy makers, non-governmental environmental agencies and general public.
2. Help develop a framework and methodology for promoting sustainable development strategies (including optimum land use) through best use of geoscientific data gathered in the course of survey and exploration by GSI and other geoscientific organizations in the country.
3. Assist nodal agencies concerned by developing new areas for geoscientific data collection, particularly spatial data such as geomorphology to help them analyse ecosystem functions and make informed planning decisions.

4. The Committee may co-opt other institutions as invitees.”

**K. Notification No.S.O. 3848(E). dated, the 31<sup>st</sup> August, 2023**—In exercise of the powers conferred by sub-sections (1) and (2) of section 16 read with section 17 and sub-section (3) of section 25 of the Bureau of Indian Standards Act, 2016 (11 of 2016), the Central Government is of the opinion that it is necessary so to do in the public interest and after consulting the Bureau of Indian Standards, hereby makes the following order, namely:—

1. Short title and commencement.—(1) This Order may be called the Nickel (Quality Control) Order, 2023.  
(2) This Order shall come into force with effect from three months from the date of publication of this notification.
2. Application.—This Order shall apply in relation to goods or article specified in column (1) of the Table below, but shall not apply to goods or article meant for export.
3. Compulsory use of Standard Mark.—Goods or article specified in the column (1) of the said Table shall conform to the corresponding Indian Standard mentioned in the column (2) therein and shall bear the Standard Mark under a licence from the Bureau of Indian Standards in accordance with Scheme-1 of Schedule-II to the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018.
4. Certifying and enforcing authority. —The Bureau of Indian Standards shall be the certifying and enforcing authority for the goods or article specified in the column (1) of the said Table.

Table– 5

Goods or article	Indian Standard Standard	Title of Indian
1	2	3
Nickel Powder	IS 7506:1987	Specification for Nickel Powder

*Note: For the purposes of the Table, it is clarified that the latest version of Indian Standards established and published by the Bureau from time to time in accordance with the provisions of clause (17) of section 2 of the Bureau of Indian Standards Act, 2016 (11 of 2016), shall apply from the date of such publication.*

**L. Notification S.O. 3847(E), dated, the 31<sup>st</sup> August, 2023.**—In exercise of the powers conferred by sub-



sections (1) and (2) of section 16 read with section 17 and sub-section (3) of section 25 of the Bureau of Indian Standards Act, 2016 (11 of 2016), the Central Government is of the opinion that it is necessary so to do in the public interest and after consulting the Bureau of Indian Standards, hereby makes the following order, namely: -

1. Short title and commencement - (1) This Order may be called the Copper (Quality Control) Order, 2023.

(2) This Order shall come into force with effect from three months from the date of publication of this notification.

2. Application - This Order shall apply in relation to goods or article specified in column (1) of the Table below, but shall not apply to goods or article meant for export.

3. Compulsory use of Standard Mark - Goods or article specified in the column (1) of the said Table shall conform to the corresponding Indian Standard mentioned in the column (2) therein and shall bear the Standard Mark under a licence from the Bureau of Indian Standards in accordance with Scheme-1 of Schedule-II to the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018.

4. Certifying and enforcing authority - The Bureau of Indian Standards shall be the certifying and enforcing authority for the goods or article specified in the column (1) of the said Table.

Table-6

Goods or article	Indian standard	Title of indian Standard
(1)	(2)	(3)
Copper	IS 191:2007	Copper-Specification

*Note: For the purposes of the Table, it is clarified that the latest version of Indian Standards established and published by the Bureau from time to time in accordance with the provisions of clause (17) of section 2 of the Bureau of Indian Standards Act, 2016 (11 of 2016), shall apply from the date of such publication.*

**M. Notification G.S.R. 642 ( E). dated the 31<sup>st</sup> August, 2023**—In exercise of the powers conferred under the second proviso to sub-section (1) of section 4 of the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957) and consequent upon accreditation provided by the National Accreditation Board for Education and Training of the Quality Council of India (QCI-NABET), the Central Government hereby notifies M/s Engeotech Consultant under ‘Category A Exploration Agencies’ as per the ‘Guidelines for notification of accredited private exploration agencies’ issued by the Government of India in the Ministry of Mines vide order No. M.VI-16/15/2021-Mines VI, dated the 12th August, 2021 (hereafter referred to as the said guidelines).

2. The said agency shall carry out prospecting operations in compliance with the conditions specified in the said guidelines.

3. This notification shall remain in force for a period of three years from the date of its publication or till the expiry or termination of the accreditation granted, whichever is earlier.

**N. Notification S.O. 3846 (E) dated the 31<sup>st</sup> August, 2023**.—In exercise of the powers conferred by sub-sections (1) and (2) of section 16 read with section 17 and sub-section (3) of section 25 of the Bureau of Indian Standards Act, 2016 (11 of 2016), the Central Government is of the opinion that it is necessary so to do in the public interest and after consulting the Bureau of Indian Standards, hereby makes the following order, namely: -

1. Short title and commencement.- (1) This Order may be called the Aluminium and Aluminium Alloys (Quality Control) Order, 2023.

(2) This Order shall come into force with effect from three months from the date of publication of this notification.

2. Application.- This Order shall apply in relation to goods or article specified in column (2) of the

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Table-7

Sl. No 1	Goods or article 2	Indian Standard 3	Title of Indian Standard 4
1	Aluminium and aluminium alloy ingots and castings	IS 617:1994	Cast aluminium and its alloys Ingots and castings for general engineering purposes
2	High purity primary aluminium Ingot	IS 11890:1987	Specification for high purity primary aluminium ingot for remelting for special applications
3	Aluminium alloy ingots for	IS 6754:1972	Specification for aluminium alloy ingots for remelting for general engineering purpose
4	Primary aluminium ingots for remelting	IS 2590:1987	Specification for Primary aluminium ingots for remelting for general engineering purpose
5	Aluminium ingots billets and wire bars (EC GRADE)	IS 4026:2023	Aluminium ingots billets and wire bars (EC GRADE)

Note: For the purposes of the Table, it is clarified that the latest version of Indian Standards established and published by the Bureau from time to time in accordance with the provisions of clause (17) of section 2 of the Bureau of Indian Standards Act, 2016 (11 of 2016), shall apply from the date of such publication.

Table below, but shall not apply to goods or article meant for export.

3. Compulsory use of Standard Mark.- Goods or article specified in the column (2) of the said Table shall conform to the corresponding Indian Standard specified in column (3) therein and shall bear the Standard Mark under a licence from the Bureau of Indian Standards in accordance with Scheme-1 of Schedule-II to the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018.

4. Certifying and enforcing authority.- The Bureau of Indian Standards shall be the certifying and enforcing authority in respect of the goods or article specified in the column (2) of the said Table.

**O.Notification No.S.O. 3890(E). dated the 1<sup>st</sup>September, 2023** —WHEREAS, vide notification of the Government of India, Ministry of Mines number G.S.R. 860(E), dated the 16th December, 2021 (hereinafter referred to as the said notification) issued in exercise of the powers conferred by clause (a) of sub-section (1) of section 26 of the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957) (hereinafter referred to as the Act), the Central Government directed that certain powers of the Central Government shall also be exercisable by Dr. Veena Kumari Dermal, Joint Secretary to the Government of India in the Ministry of Mines; And whereas, the Act has further been amended

by the Mines and Minerals (Development and Regulation) Amendment Act, 2023 (16 of 2023), *inter alia*, inserting therein section 11D which empowers the Central Government to conduct auction for grant of mining lease or composite licence in respect of minerals specified in Part D of the First Schedule to the Act; Now therefore, in exercise of the powers conferred by clause (a) of sub-section (1) of section 26 of the Act, the Central Government hereby makes the following amendment in the said notification, namely:— In the said notification, in paragraph 1, for the words, brackets and figures “and the provisos to sub-section (4) and (5) of section 11”, the words, figures and letter “; the provisos to sub-sections (4) and (5) of section 11 and section 11D” shall be substituted.

2. This notification shall come into force on the date of its publication in the Official Gazette

**P.Notification No. S.O. 2185 (E) dated, the 12<sup>th</sup> May, 2023** .—Whereas, Ministry of Environment, Forest and Climate Change issued a notification S.O.5481(E) dated 31 December, 2021 mandating filling of fly ash in the mine voids and mixing of the same to the extent of 25% with the external dumps in all working leases located within 300 kms of radius from any Thermal Power Plant. Whereas, a safety and feasibility study is required to be undertaken for all such operational mines with the due permissions from DGMS and other regulatory authorities. Therefore, in pursuance to the Rule-58 of Mineral

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Conservation and Development Rules, 2017, it is hereby directed to undertake this study within a period of 60 days. It is further directed to submit a copy of the study report forthwith to the respective Regional Controller of Mines under whose jurisdiction the lease is located. This order shall come into force on the date of its publication in the official gazette.

Table Note (2): The criteria for determining the percentage of visual impairment shall be as follows:—

**S. Notification No. S.O. 4917(E).** dated, the 15<sup>th</sup> September, 2022—In pursuance of Sub-Rule (4) of Rule 10 of the Official Language (Use for official purposes of the Union) Rules, 1976 (as amended, 1987) the Central Government hereby notifies the following office of Geological Survey of India, subordinate office of the Ministry of Mines, more than 80% Staff whereof have acquired working knowledge

of Hindi: 1. Geological Survey of India, Marine and Coastal Survey Division, Mangaluru.

**T. Notification NO. G.S.R. 682(E).** dated the 22<sup>nd</sup> September, 2023—In exercise of the powers conferred by section 11B of the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957), the Central Government hereby makes the following rules further to amend the Atomic Minerals Concession Rules, 2016, namely:— 1. Short title and commencement:— (1) These rules may be called the Atomic Minerals Concession (Amendment) Rules, 2023.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Atomic Minerals Concession Rules, 2016 (hereinafter referred to as the said rules), for rule 37, the following rule shall be substituted, namely:—“37.

Type of deposit and Principal Minerals	G4 stage	G3 stage	G2stage	G4stage	Remarks
“III. Rare metal and REE occurring in pegmatites, reefs and veins/ pipes.	Scout drilling/ random pitting/ trenching as per necessity	10 to 25 pits/ trenches per sq.km. In case of drilling, borehole spacing may be 40m x 20m or 40m x 40m.	Pitting/ Trenching/ preferably at 20m interval. In case of drilling, borehole spacing may be 20m x 10m or 20m x 20m.	Exploratory open pit or boreholes at 10m x 10m or closer or underground sampling with bulk determination of grades and recovery where ever necessary.	
IIIA. Rare metal and REE occurring in carbonatite and other alkali igneous rocks					
(i) Tabular Rare metal and REE deposits	Scout drilling/ random pitting/ trenching as per necessity	Borehole grid/ sample spacing may be 400m x 200m or closer	Borehole grid/ sample spacing may be 200m x 100m or closer	Borehole grid/ sample spacing may be 100m x 100m or closer	
(ii) Lenticular Rare metal and REE deposits in the form of veins / lenses	Scout drilling/ random pitting/ trenching as per necessity	Borehole grid/ sample spacing may be 200m x 200m or closer	Borehole grid/ sample spacing may be 100m x 100m or closer	Borehole grid/ sample spacing may be 100m x 50m or closer.”.	

Penalty.— Whoever contravenes the provisions of sub-rules (4) and (6) of rule 4, second proviso to sub rule (1) or proviso to sub-rule (2) of rule 5 or rule 7 or rule 8 or rule 9 or rule 10 or sub-rule (11) of rule 13 or sub-rule (6) of rule 14 or sub-rule (2) of rule 15 or rule 16 or rule 20 or rule 21 or rule 28 or rule 31 shall be punishable with imprisonment for a term which may extend to two years or with fine which may extend to rupees five lakhs, or with both, and in the case of a continuing contravention, with additional fine which may extend to rupees fifty thousand for every day during which such contravention continues after conviction for the first such contravention.”.

3. In the said rules, in Schedule B, in Part III, in the table, for serial number III and the entries relating thereto, the following serial number and entries shall be substituted, namely: —

**U. Notification NO.S.O. 4596(E). dated the 29<sup>th</sup> September, 2022**—In exercise of the powers conferred under the second proviso to sub-section (1) of section 4 of the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957) and consequent upon accreditation provided by the National Accreditation Board for Education and Training of the Quality Council of India, the Central Government hereby notifies the following agencies as specified in the guidelines for notification of accredited private exploration agencies issued by the Government of India in the Ministry of Mines vide order no. M.VI-16/15/2021-Mines VI, dated the 12th August, 2021 (hereafter referred to as the said guidelines for notification of accredited private exploration agencies) for the purposes of the said second proviso to sub-section (1) of section 4 of the said Act:

Serial Number	Exploration Agency	Category of Exploration Agency
1	M/s Geo Exploration and Mining Solutions	A
2	M/s Geo Marine Solutions Pvt. Ltd.	B
3	M/s Ecomen Laboratories Pvt. Ltd.	A

2. The agencies shall carry out prospecting operations in compliance with the conditions specified in the said

guidelines for notifications of accredited private exploration agencies.

3. This notification shall come into force on the date of its publication in the Official Gazette and shall remain valid for a period of three years from the date of notification or till expiry or termination of the accreditation granted, whichever is earlier.

**V. Notification NO.G.S.R. 736(E).dated the 12<sup>th</sup> October, 2023**—In exercise of the powers conferred by sub-section (3) of section 9 of the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957), the Central Government hereby makes the following further amendments in the Second Schedule to the said Act, namely:—

2. In the Second Schedule to the Mines and Minerals (Development and Regulation) Act, 1957,—

(i) after item 28 and the entries relating thereto, the following item and entries shall be inserted, namely:—

“28A.	Lithium:	Three per cent. of London Metal Exchange price chargeable on the Lithium metal in the ore produced.”;
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(ii) in item 33, for the word “Monazite”, the words “Monazite occurring in beach sand minerals” shall be substituted;

(iii) after item 34 and the entries relating thereto, the following item and entries shall be inserted, namely:—

“34A.	Niobium: (i) Primary (produced from ores other than Columbite- tantalite (ii) By-product ( produced from ores other than Columbitetantalite)	Three per cent. of average sale price of Niobium metal chargeable on the Niobium metal contained in the ore produced.  Three per cent. of average sale price of Niobium metal chargeable on the by-product Niobium metal contained in the ore produced
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(iv) after item 38 and the entries relating thereto, the following item and entries shall be inserted, namely:—

“38A.	Rare Earth Elements (produced from ores other than Monazite occurring in beach sand minerals):	One per cent. of average sale price of Rare Earth Oxide (REO)chargeable on the Rare Earth Oxide contained in the ore produced.”.
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**W. Notification No. G.S.R. 737(E), dated , the 12<sup>th</sup> October, 2023**—In exercise of the powers conferred by section 13 of the Mines and Minerals (Development and Regulation) Act, 1957 (67 of 1957), the Central Government hereby makes the following rules further to amend the Minerals (Other than Atomic and Hydro Carbons Energy Mineral) Concession Rules, 2016, namely:—

1. Short title and commencement.— (1) These rules may be called the Minerals (Other than Atomic and Hydro Carbons Energy Mineral) Concession (Amendment) Rules, 2023.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Minerals (Other than Atomic and Hydro Carbons Energy Mineral) Concession Rules, 2016,—

(i) in rule 44, after clause (i), the following clause shall be inserted, namely:—

"(ia) In respect of Lithium, the equivalent lithium metal prices calculated on the basis of the weekly prices of lithium hydroxide monohydrate or other appropriate compound of lithium published by London Metal Exchange in a month shall be multiplied by the reference rate for the day of publication of the Reserve Bank of India or any agency authorised by the Reserve Bank of India, for the currency in which the price is obtained."; (ii) in rule 45, after sub-rule (4), the following sub-rule shall be inserted, namely:—

“(5)(a) The Indian Bureau of Mines shall publish average sale price of Rare Earth Oxide in Indian Rupees on the basis of prices published by United States Geological Survey (USGS) or other reputed publications by multiplying the price of Rare Earth Oxide by average reference rate of Reserve Bank of India for the month for the currency in which the price is obtained and in case the price of Rare Earth Oxide is not available on monthly basis, the average sale price shall be published on the basis of price of Rare Earth Oxide for the last available calendar year.

(b) The State Government shall arrive at average sale price of the ore containing Rare Earth Elements in the following manner, namely:—

Average sale price of the Rare Earth Elements	=	Sum of (percentage of individual rare earth ore containing oxide contained in the ore multiplied by average sale price of that rare earth oxide published by Indian Bureau of Mines).
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6) The Indian Bureau of Mines shall publish average sale price of Niobium in Indian Rupees on the basis of prices published by United States Geological Survey (USGS) or other reputed publications for Ferro-Niobium for the last available calendar year by multiplying such price with the following, namely:—

(i) average reference rate of Reserve Bank of India for the said calendar year, and

(ii) the conversion factor of 1.59.”.