



## Government of India Ministry of Mines



## Indian Bureau of Mines

**We do not have a freehold on the earth,  
only a full repairing lease**

**- Margaret Thatcher, 1988**

# **ANNUAL REPORT 2019-20**



**Issued by  
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## **Indian Bureau of Mines (IBM)**

### **1.0 Vision, Mission, Objectives and Functions**

The Indian Bureau of Mines (IBM) is a subordinate office under the Ministry of Mines. It is engaged in the promotion of scientific development of mineral resources of the country, conservation of minerals, protection of environment in mines, other than coal, petroleum and natural gas, atomic minerals and minor minerals. It performs regulatory functions with respect to the relevant provisions of Mines and Minerals (Development and Regulation) Act, 1957 and enforcement of the rules framed there under, namely Mineral Conservation and Development Rules, 1988/2017 and Mineral Concession Rules, 1960/2016 and Environmental (Protection) Act, 1986 and Rules made there under.

It undertakes scientific, techno-economic, research-oriented studies in various aspects of mining, geological studies and ore beneficiation studies.

#### **1.1 Vision for IBM**

The National Mineral Policy, 2008 (NMP) had envisioned diverse mineral development programmes and had formulated policy framework and strategies for providing a roadmap to achieve sustainable mineral development in the country. Therefore, the vision statement for IBM necessarily reflects the character of NMP, 2008.

Further, National Mineral Policy 2019 provides for strengthening of IBM with adequate man power, equipment and skill sets upgraded to state-of-the-art levels, to ensure enforcement of mining plans. NMP 2019 emphasises for strengthening of the regulatory mechanism by incorporating E-Governance, including satellite and remote sensing applications, end-to-end accounting of mineral/ore in the supply chain with use of IT enabled systems; maintaining resource inventory in accordance with a globally accepted public reporting standard.

NMP 2019 underlines upgradation of mining Technology to ensure extraction and utilization of entire ROM, better beneficiation and agglomeration techniques and maximum economic recovery of the associated minerals and valuable metals.

NMP 2019 construes conservation of minerals as a positive concept leading to augmentation of reserve/resource base. NMP 2019 highlights evaluation of mining operations in terms of their comparative performance on SDF and orderly & systematic mine closure.

Accordingly, the vision envisaged is: *“IBM to perform as a National Technical Regulator and to discharge the developmental functions for the sustainable development of the mineral industry and to work as repository of database on mines and minerals”*.

## **1.2 Mission**

- 1) To ensure effective regulation of Indian Mineral Sector which promotes long term benefits for its sustainable growth.
- 2) To provide capacity building to State regulatory agencies and also to provide quality technical assistance to the mineral industry, and
- 3) To work as data bank on mines and minerals and to disseminate mineral information for policy formulations.

## **1.3 Objectives**

- i. To work as National Technical Regulator operating at national-level designing systems, processes and guidelines for regulation of the mining sector;
- ii. To function as a facilitator for creation and improvement of state-level regulatory mechanisms and to facilitate state agencies to ensure adherence to standards and parameters for scientific and systematic mining in the sector;
- iii. To work as catalytic agent for development of mineral sector by evolving capability & proficiency in beneficiation techniques; dissemination of knowledge and skills in mining and allied areas through its training facilities; consultancy services.
- iv. To play crucial role of that of facilitator to the Government in matters and issues relating to the mineral sector in areas of short-medium and long-term mineral-wise strategies, mineral taxation and legislative processes.

v. To play the role of National Repository of mineral data through maintaining a data bank of mines and minerals in the country by developing advanced IT based Mineral Information System enabling the industry to report and access information online, and

vi. To broaden its interactive base and reach out to overseas counter parts through consultations and exchange programmes and to build capacity, skill & expertise through academic and training programmes at institutes of international repute.

#### **1.4 Present Charter of Functions**

In the wake of liberalization of the policy regime governing mineral sector and increasing need for adequate environment management as part of systematic and scientific mining, the mandated functions for IBM, as given for notification in Official Gazette vide Resolution No. 31/ 49/ 2014 – M. III, dated 3<sup>rd</sup> November, 2014 are given below:-

- (i) Collect, collate and organize into a database, all information on exploration, prospecting, mines and minerals in the country in the shape of a National Mineral Information Repository and take steps to publish and disseminate the same;
- (ii) Function as the National Technical Regulator in respect of the mining sector, and lay down regulations, procedures and systems to guide the State Governments (first tier of regulation);
- (iii) Build up capacity in the system, both for regulatory as well as the developmental work, at the central level as well as at the level of the States;
- (iv) Establish institutional mechanisms of coordination between the centre, the States, mineral industry, research and academic institutions and all stake holders, so as to proactively develop solutions to the demands and problems faced by the industry;
- (v) Promote research on all aspects of practical relevance to the Industry and to act as bridge between research institutions on the one hand and user industry on the other;

- (vi) Provide Technical Consultancy Services;
- (vii) Participate in International collaborative projects in the area of regulation and development of the mineral sector;
- (viii) Advise Government on all matters relating to the mineral industry; and
- (ix) Undertake any such other activity as has become necessary in the light of developments in the field of geology, mining, mineral beneficiation and the environment.

## **1.5 Key Activities and Functions**

In light of the role and charter of IBM, the key functions being performed by IBM can be broadly classified as (1) Regulatory Functions, and (2) Developmental Functions.

### **1.5.1 Regulatory Functions**

- i. Mining Plan, Review of Mining Plan & Modification in the Approved Mining Plan -Inspections and Approval (Rule 13 to 17 of Chapter V of Minerals (Other than Atomic and Hydrocarbon Energy mineral) Concession Rules 2016; Rule 9, 10, 11 & 12 of Mineral Conservation and Development Rules 2017);
- ii. Mining Regulations for ensuring implementations of Mining Plan, Review of mining plan, Mine Closure Plan and other statutory provisions of MCDR 2017 and launching of prosecutions (Section 22 & 24 of MMDR Act 1957);
- iii. Inspections and grant of permissions to carry out 'stoping' operations in underground mines (Rule 30 of MCDR 2017);
- iv. Monitoring of Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) aspects of mining operations (Rule 11 and 35 to 44 of MCDR 2017 and Section 10 of EP Act 1986);
- v. Facilitating in calculations of State-wise, mineral-wise and month-wise royalty on *ad valorem* basis by regulating the submission of monthly and annual returns by the mining lease holders (Rule 38 to 47 of Minerals (Other than Atomic and



Hydrocarbon Energy mineral) Concession Rules 2016 and Rule 45 of Mineral Conservation and Development Rules [MCDR], 2017);

vi. Mine Closure Plan - Inspections, Approval and monitoring of Progressive and Final Mine Closure Plans (Rule 22 to 27 of MCDR 2017);

vii. Co-ordination with State Governments for curbing illegal mining activities (intimation of violation of Section 4(1) of MMDR Act 1957 to State Government agencies & monitoring of submission of quarterly return of illegal mining by various State Governments).

viii. As prescribed under Section 9(C) of the Act, IBM will discharge a pro- active role in NMET by furnishing inputs on mineral-wise conservation strategies, exploration gaps etc. keeping in view of the national interest.

ix. IBM administer the framework for sustainable development of the mining sector, as prescribed under section 20A (2) of the Act and rule 35 of the MCDR-2017.

x. IBM will continue to publish the Average Sale Price (ASP) of all the major minerals through its MMS division. This information is required as per the rule 8 of Mineral (Auction) Rules, 2015 for calculating the “Value of estimated Resources” and “Value of the Mineral Dispatched” and that of ‘Reserve Price’ of the deposit to be put to auction. Further, based on the ASP as declared by IBM every month, assessment of ad-valorem royalty is also carried out by the State Governments.

xi. Grant of mineral concessions and monitoring of its activities in the offshore areas [various provisions of Offshore Areas Mineral (Development and Regulation) Act 2002 and the Offshore Areas Mineral Concession Rules, 2006].

### **1.5.2 Developmental Functions**

(i) R&D in Mineral Processing - To play a role of a catalytic agency to promote & develop the much-needed R&D in mineral processing in the field of mineral beneficiation, mineral characterization, chemical analysis of ores and minerals and analysis of environmental samples;

- (ii) Information Support and Advisory Services- To function as an advisory body to the government in formulation of mineral policy, lending technical guidance & support for framing Mineral Acts and in articulating provisions, rules & regulations thereof and lend it the credentials to formulate strategies, articulate policy requirements and oversee their implementation at both national and State levels;
- (iii) National Mineral Inventory – Periodical Updation of National Mineral Inventory reflecting the micro-level status and possession of various mineral resources of the country as per the international standards like UNFC;
- (iv) Repository on Mines & Minerals – To shoulder the responsibility for collection, processing and storage of statistical data in respect of all major minerals through statutory and non-statutory basis;
- (v) Publications on topical interest – To assort process and analyze mines and mineral information generated on account of statutorily and non-statutorily collected information and supply them as important inputs for policy interventions, and
- (vi) Training and Capacity Building – To provide training facilities for human resource development and to develop required technical expertise and skill in the personnel manning the mineral industry.

## **2.0 Organizational set up of IBM**

IBM has its headquarters at Nagpur, 4 Zonal Offices at Bengaluru, Nagpur, Udaipur and Kolkata, and 13 Regional Offices at Ajmer, Bengaluru, Bhubaneswar, Chennai, Gandhinagar, Goa, Dehradun, Guwahati, Hyderabad, Jabalpur, Nagpur, Ranchi and Raipur. During the year 2017, IBM opened two new skill development center for sustainable mining practices at Udaipur and Kolkata. IBM has well-equipped ore dressing laboratories and pilot plants at Ajmer, Bengaluru and Nagpur.

### **2.1 Reorganization of IBM**

In the light of transition due to change in the regulatory regime through MMDR Amendment Act, 2015 and transferring of 31 major minerals to the list of minor minerals, IBM had submitted a road map for redefining and restructuring of the IBM.

The Ministry of Mines has approved opening up of new regional office at Raipur, Gandhinagar and New Delhi/NCR, upgradation of existing sub-regional office at Guwahati to regional office to cater to the needs of North Eastern Regions. The regional offices at Raipur and Gandhinagar have already been opened. The existing regional offices at Kolkata and Udaipur have been upgraded to the zonal office (East) and zonal office (North) respectively to evenly distribute work load amongst all the other two zonal offices located at Nagpur and Bangalore. Guwahati sub regional office is also upgraded as regional office. For the purpose of skill development an Institute of 'Sustainable Development Framework' at Udaipur and Kolkata and 'Remote Sensing Centre' at Hyderabad have been opened.

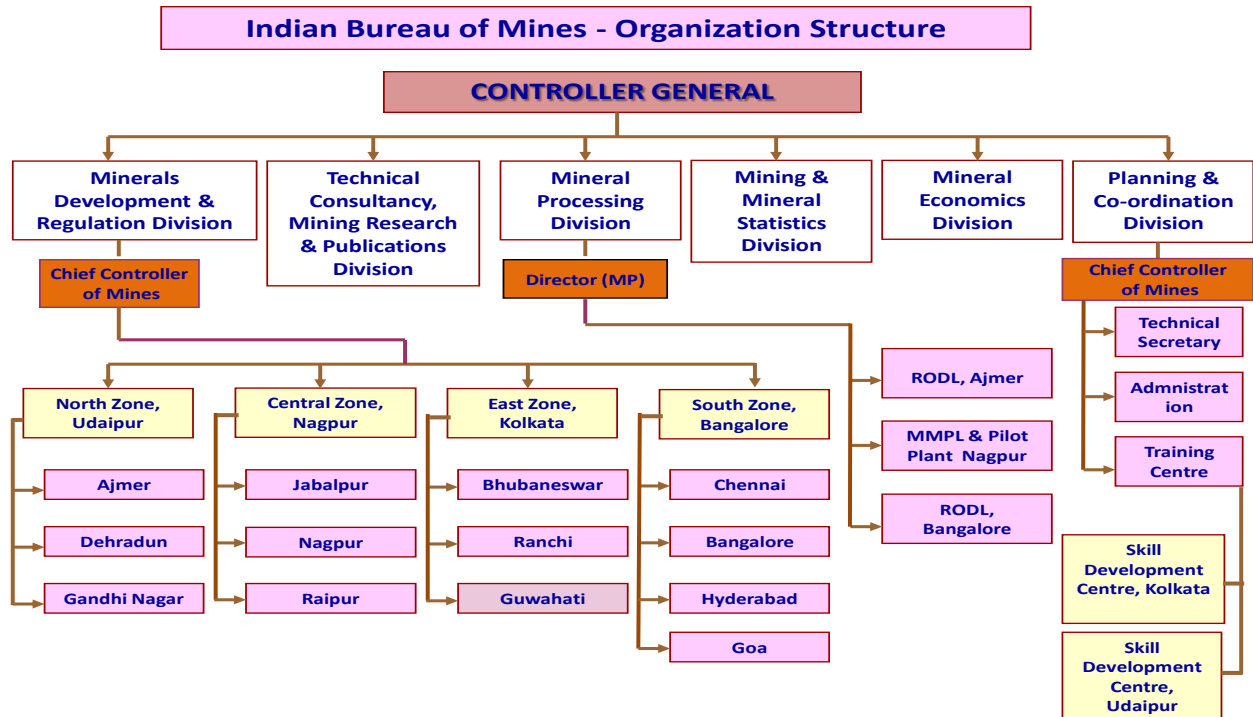
### **2.2 Organizational Structure of IBM**

IBM is organized to discharge the functions assigned to it through six technical divisions, which are as follows:

- (i) Minerals Development & Regulation Division (MDRD)
- (ii) Mineral Processing Division (MPD)
- (iii) Mineral Economics Division (ME)
- (iv) Technical Consultancy Division (TC)
- (v) Mining and Mineral Statistics Division (MMS)

- (vi) Planning and co-ordination Division with two sub-divisions viz. (1) Planning and Co-ordination and (2) Administration.

**Fig No. 1:** The existing set-up is shown in the following organisation chart.



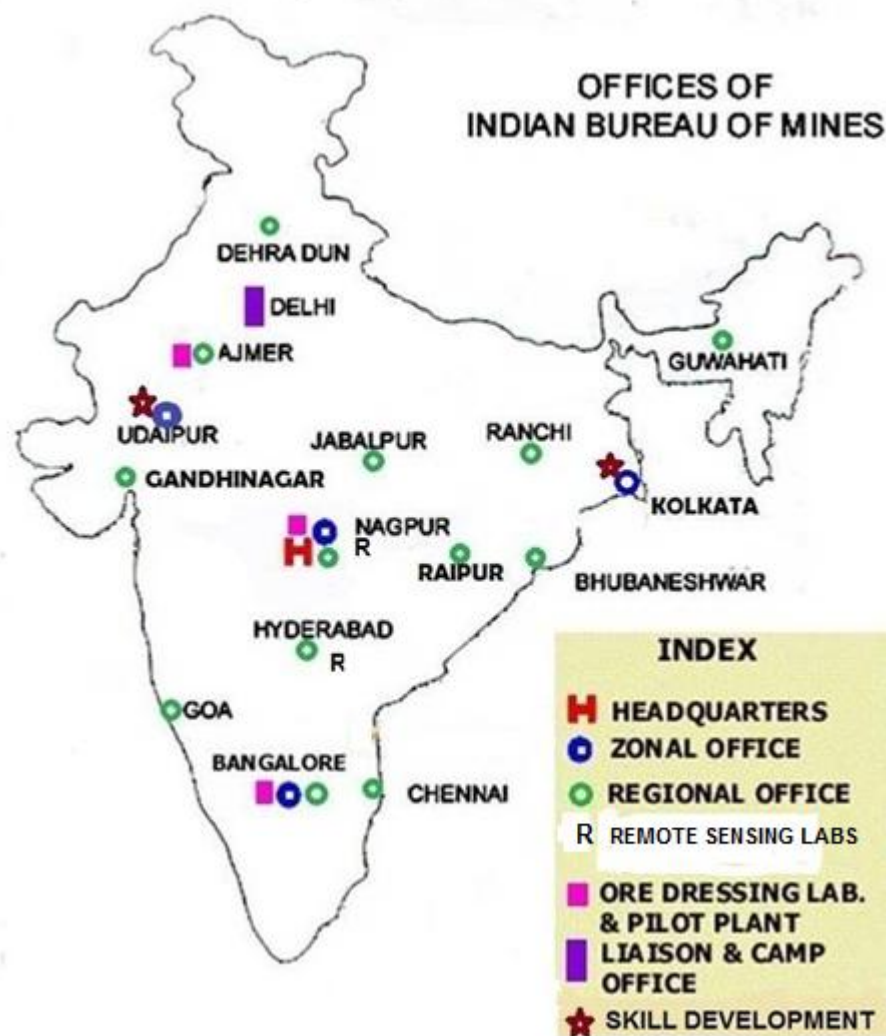
## 2.3 Modern Mineral Processing Laboratory and Pilot Plant

UNDP aided Modern Mineral Processing Pilot Plant and Analytical Laboratory of IBM is located at MIDC Hingna, Nagpur.

### 2.3.1 Regional Ore Dressing Laboratories

The Bureau has two Regional Ore Dressing Laboratories and Pilot Plants at Ajmer and Bangalore to cater to the mineral beneficiation needs of the neighbouring areas.

**Fig No. 2:** The location of Zonal, Regional Offices and Regional Ore Dressing Laboratories are shown in the map.



### **3.0 Schemes under implementation in IBM**

**All activities of IBM are being conducted through the following Schemes.**

- Scheme No 1.** Inspection of Mines for scientific and systematic mining, mineral conservation and mine environment
- Scheme No 2.** Mineral Beneficiation Studies, utilization of low grade and sub grade ores and analysis of environmental samples.
- Scheme No 3.** Technological Upgradation and Modernization
- Scheme No 4.** Collection, processing, dissemination of data of mines and minerals through various publications
- Scheme No.5.** Mining Tenement System(under implementation)

#### **3.1 Brief Description of Objective & Activities of the Schemes**

**3.1.1 Scheme No.1: Inspection of Mines for Scientific and Systematic mining, mineral conservation and mines environment.**

##### **3.1.1.1 Objective:**

Promotion of conservation and scientific development of mineral resources and ensuring protection of mines environment in mining area through statutory enforcement as well as through promotional activities by carrying out periodical inspection/study of mines.

##### **3.1.1.2 Brief Activities**

Important activities include inspection of mines for enforcement of the provisions of Mineral Conservation and Development Rules, (MCDR) 1988/2017 and relevant provision of Mines and Minerals (Development and Regulation) Act, (MMDR) 1957, Mineral Concession Rule (MCR),2016, Environment (Protection) Act, 1986, and rules made there under, Processing and approval of Mining Plans, Review of Mining Plans, Modifications in Approved Mining Plans and Mine Closure Plan, Star Rating of Mines under sustainable development framework, Scientific Studies (lump-fine ratio, Threshold Value of Minerals, Regional Mineral Geological Studies (RMGS) etc.) Task force/ joint inspections with State Govt., handholding with State Governments to facilitate auctioning of mineral blocks, organizing mines

environment and mineral conservation weeks to promote awareness to minimize environmental degradation as well as to boost reclamation and afforestation activities, spot guidance to mines management in all the aspects of mineral development followed with issue of violation/suggestions to adopt appropriate technology, launching prosecution against mine owners for violation of provisions of MCDR, 1988/2017 wherever necessary, facilitating government on saved cases of mineral concessions and other policy issues etc.

### **3.1.2 Scheme No. 2: Mineral Beneficiation Studies – utilization of low grade and sub-grade ores and analysis of environmental samples**

#### **3.1.2.1 Objective**

Most of the mineral deposits found in the nature fall short of the grade required by the consuming industries and therefore needs upgradation by ore dressing process. IBM suggests ways and means for their economic utilization as a part of conservation studies of the department which is a statutory obligation of IBM. This is primarily to help directly or indirectly to the mineral industry to exploit the mineral resources of the country.

#### **3.1.2.2 Brief Activities**

Important activities include development of beneficiation process flow-sheet/know how of low grade ores and minerals in laboratory and pilot plant scale and to generate process data/parameters for design of commercial concentrator, development of process parameters for agglomeration studies, mineralogical analysis/examinations, recovery of values from plant tailing and ore slimes, catering to the R & D needs in minerals beneficiation, special studies of Platinum Group of Elements (PGE), Rare Earth Elements (REEs) and technology metals, knowledge sharing with stakeholders, imparting training in mineral processing, mineralogy, chemical/environmental analysis to scientists from overseas and Indian Institutions etc.

### **3.1.3 Scheme No. 3: Technological upgradation and Modernisation**

#### **3.1.3.1 Objectives**

- (i) Implementation of Mining Surveillance System (MSS), Implementation of “Sudoor Drushti” with National Remote Sensing Centre, Hyderabad, preparation of Mineral Maps with forest overlays.
- (ii) Consultancy services on charge and promotional basis to mining industry on mining, geological & environmental aspects.
- (iii) Development of new mining methods for scientific and systematic development of mineral resources and management of mining wastes.
- (iv) Human resources and infrastructure development in IBM.

#### **3.1.3.2 Brief Activities**

- a) Implementation of MSS which is a satellite-based monitoring system to establish a regime of responsive mineral administration, through public participation, by curbing instances of illegal mining activity through automatic remote sensing detection technology. The advantages of remote sensing technology-based monitoring system are that it is transparent, bias-free and independent system with deterrence effect (‘eyes watching from the sky’).
- b) Implementation of “Sudoor Drushti” with National Remote Sensing Centre, Hyderabad, for monitoring of mining activities using satellite imagery and capacity building of IBM officers including technical support for setting up of remote sensing laboratory in IBM. The project would facilitate to monitor periodic changes of the mining areas within the mining lease boundary.
- c) Preparation of mineral maps with forest overlays covering the whole country with the details of free holds and lease holds areas and other prospecting mineral deposits, infrastructure etc. These multi mineral leasehold maps on a scale 1:50,000 with forest overlays are required to facilitate early environmental and forest clearance of mining projects by Ministry of Environment and Forests and Climate Change (MoEFCC), generation of environmental base line data for mining projects, preparation of Regional Environment Impact Assessment (REIA), Environment Impact Assessment (EIA) and Environment Management Plan (EMP) for mining



projects as well as risk analysis and preparation of disaster management plan, geotechnical investigations, design of stoping methods and preparation of mining feasibility reports and detailed project reports.

- d) To Impart training to scientific, technical and other cadres of IBM and also to persons from the mining industry, state/central govt. organization to update the skill and knowledge as an adjunct to human resources development.

#### **3.1.4 Scheme No.4: Collection, processing, dissemination of data on mines and minerals through various publications**

##### **3.1.4.1 Objectives:**

IBM collects data on mines and minerals through statutory returns and other means with a view to process, analyze and disseminate the data through various statistical and technical publications **as Indian Minerals Year Book, Monthly Statistics of Mineral Production, Mineral Industry at a Glance, Statistical Profiles of Minerals. IBM publications are available on IBM website through [weblink](http://ibm.nic.in/index.php?c=pages&m=index&id=68&mid=23927) “<http://ibm.nic.in/index.php?c=pages&m=index&id=68&mid=23927>”.**

##### **3.1.4.2 Brief Activities:**

Updation of National Mineral Inventory (NMI) by adopting UNFC system covering non-coal and non-atomic minerals in the whole country. It is a globally understandable system, incorporating existing terms in order to make them comparable and compatible, thus enhancing international communication. The reserves/ resource figures with their unique codes and terminologies clearly demonstrate the procedures adopted in the investigation and evaluation of mineral prospect. This is an essential activity to be continued in tune with the National Mineral Policy, wherein special thrust has been given for attracting private investment.

Collection of data through statutory returns, collection of ancillary statistic on fuels, minor minerals, metals production, mineral trade and market prices of minerals through correspondence with various agencies, collection of information on mining laws of various countries, market survey of demand and supply of minerals and metals, dissemination of data through periodic publications as Indian Minerals Year Book, Monthly Statistics of Mineral Production, Mineral

Industry at a Glance, Statistical Profiles of Minerals etc., publishing state wise/mineral wise Average Sale Price (ASP) of minerals and metals for royalty calculation (disseminated through IBM weblink <http://ibm.nic.in/index.php?c=pages&m=index&id=912&mid=23791> )

### **3.1.5 Scheme No. 5: Mining Tenement System (MTS)**

#### **3.1.5.1 Objective of the Scheme:**

MTS would primarily involve automating the entire mineral concession life-cycle, starting from identification of area and ending with closure of the mine; and connecting the various stakeholders for real-time transfer of electronic files and exchange of data. This shall enable effective management of mineral concession regime and transparency in mining operations, transportation of ore with the help of online electronic weighbridges and check-posts.

In some developed countries like Australia and Canada, a specialized software for processing and procedural part of granting various mineral concessions like RP, PL and ML has been designed and developed which is in operation since long. This system displays the details regarding ownership and other details such as area granted, mineral worked, tenure of the concession, taxes, compliance of rules and regulations, area available for grant, quality and quantity of the ore deposit, area relinquished after reconnaissance of RP and PL, prospecting reports available, details of infrastructure, land details with ownership status, etc. This online computerised system has been found very user friendly, as it provides the information in visual graphic form, known as Geographical Information System (GIS) and textual form. The computerization of land records, processing of applications for various concessions and transparency in the system has drastically reduced the time required for taking decisions in these countries. The information available online has speeded up the decision-making process and has attracted huge investment in mining industry.

### **3.2 Evaluation of IBM Schemes:**

At the beginning of the 14<sup>th</sup> Finance Commission period, the IBM schemes have been evaluated by third Party namely Administrative Staff College of India (ASCI). Ministry of Mines, Government of India vide letter No.37/11/2017-Mines III dated

17.8.2017 had approved for engagement of Administrative Staff College of India (ASCI) for evaluation of the ongoing schemes of IBM.

In the Evaluation and assessment report ASCI, Hyderabad recommended for its continuation for a period of 5 years with a mid-term review at the end of 3 years. Final Report of “Evaluation of Ongoing Schemes of IBM” submitted by ASCI and comments /recommendations/justification of IBM on the Evaluation Report were forwarded to the Ministry vide letter of even number dated 30.10.2017 & 6.11.2017 for Ministry’s approval.

Ministry vide letter No.37/11/2017 dated 8.11.2018 conveyed approval of the competent authority for continuance of on-going schemes beyond 12<sup>th</sup> Plan period to the 14<sup>th</sup> Finance Commission Period. Vide the letter under reference Ministry further conveyed the approval of re-arrangement of activities amongst the four continuing schemes for implementation from Annual Plan 2019-20.

## 4.0 IBM performance during 2019-20

### 4.1 Salient Achievements 2019-20

- (i) For promotion of conservation and scientific development of mineral resources and ensuring protection of mines environment in mining areas, IBM carried out **1612** inspection of mines for enforcement of provision of MCDR, 2017 and examination of Mining Plans /Review of Mining Plans/Modification in approved Mining Plan/Final Mine Closure Plan. During the year IBM disposed **33** mining plans, **243** Review of Mining Plans and **47** Final Mine Closure Plans.
- (ii) For up gradation and utilization of low grade and sub-grade ores and minerals, IBM carried out 48 Ore dressing investigations, 24633 chemical analysis and 2811 mineralogical studies.
- (iii) Mining Tenement System: Pradhan Mantri KhanijKshetra Kalyan Yojna, (PMKKKY), registration and daily returns modules were launched on 20<sup>th</sup> March 2018, PMKKKY module is live from 27<sup>th</sup> Aug 2018 at <http://mitra.ibm.gov.in> for entering of data. Registration and daily-monthly returns modules are also operational. Three Modules viz. Mining Plan, Star Rating of Mines and Ore Accounting System are under testing phase.  
For Phase II Modules i.e. Grant and Execution of Concession, Inspection Module, GIS Module, IBM existing databases, ML WMMP, NMI, MCP and Final Mine Closure Plan, Software Requirement Specification examination is in progress.
- (iv) Star Rating of Mines: During 2019-20, 880 Mines have filed online star rating templates for assessment years 2018-19 under Rule 35 of MCDR, 2017 out of which 403 cases have been validated. After validation 39 leases fall under five star, 187 leases under four star and rest 177 falls under “below four star”. Validation process is in progress.
- (v) Mining Surveillance System (MSS): During phase II of the project, 52 triggers for major minerals and 130 triggers for minor minerals were

sent to respective state Governments for field verification. So far field verification reports in respect of 45 triggers for major minerals and 104 triggers for minor minerals have been received out of which unauthorized mining in five cases of major minerals and 09 cases of minor minerals have been confirmed by the State governments.

- (vi) Project “Sudoor Drushti”: Under the Project “Sudoor Drushti” action for setting up of “GIS & Remote Sensing Centre at IBM HQ, Nagpur and at IBM Hyderabad was in progress and installation of the Hardware was over. Training was arranged by software vendor for IBM officials on Photogrammetry in November, 2018. Action for extension of MOU with NRSC for “Capacity Building and Technical Support” was in progress. Twenty-two officials of IBM participated in training at NRSC, Hyderabad from 5th to 9th August 2019 under IBM - NRSC Remote Sensing Project.
- (vii) To sensitize the importance of mineral conservation and protection of environment, organized six Mines Environment and Mineral Conservation Weeks in non-fuel, major minerals mines pan India.
- (viii) IBM provided various statutory inputs to ministry of Mines such as (i) Case wise inputs on Section 10 A (2) (b) matters and (ii) Comments on area limit relaxation matters under Section 6 (1) (b) of the Act.
- (ix) For dissemination of data and statistics on mines and minerals, IBM released 17 statistical & Technical Publications and published **State wise/mineral wise Average Sale Price** of Minerals and Metals up to December, 2019 by March 2020.
- (x) **Inputs for Replying 168 Parliament Questions (PQs) & 289 Ministry References**, was furnished to Ministry.
- (xi) Updation of National Mineral Inventory: During the year, identification and fulfilment of various gaps/deficiencies in National Mineral Inventory as on 1.4.2015 including data collection by field visits with respect to upcoming Mining Tenement System was completed for 44 major minerals. National Conference on NMI has been organised on 23.01.2020 for stakeholders.

- (xii) Implementation of amended Rule 45 of Mineral Conservation and Development Rules (MCDR) 2017: Rule 45 of MCDR, 2017 has made it mandatory for all mining lease holders, for any person, or company engaged in trading or storage or end use or export of minerals mined in the country to register online with IBM to keep accounts of mineral flow. Up to March, 2020, registration position for major minerals plus 31 minor minerals was that: total 6377 mining leases, 3519 units of end users, 5915 traders, 1769 stockiest and 938 exporters, have registered with IBM.
- (xiii) IBM created geo-database for multi-mineral leasehold maps with forest overlays in respect of major mineral being states, which is being updated periodically.
- (xiv) As part of the capacity building of human resources, conducted 10 training courses for the industry, state governments employees, IBM employees etc.
- (xv) **IBM restructuring & Expansion:** After the cabinet approval, detailed discipline-wise, revised sanctioned strength of IBM, is notified vide Gazette notification No. 31/72/2009-M.III.Vol.I (part-I) dated 15th May, 2018, published on 17.5.2018. For implementation of new manpower strength, recruitment Rules of some disciplines (mining stream up to RCOM, geology, mineral economics, administration, library stream, Rajabhasha stream, private secretary & stenographers) have been notified and for the other disciplines they are under finalization at various stages.
- (xvi) **Leases expiring in 31st March 2020:** 101 leases as expiring on 31.03.2020 (45 working & 56 Non-working) have been targeted for potential Auction, after completion of their lease period. In all, 51 modified mining plans (MMP) have been received of which 47 MMP have been approved, 03 rejected and one was under process. Violation cum show cause notices and violation letters have been issued to leases who have not submitted MMP. For leases expiring on 31<sup>st</sup> March, 2020, identification of potential mines, assessment of production capacities

was in progress. IBM assisted Ministry of Mines for getting permission to SAIL to sell pit head stocks of low-grade ores in open market, for raw material security.

- (xvii) **Record of data on NMET Contribution:** IBM devised Standard Proforma for obtaining data from State Governments in terms of provisions of Rule 7(5) of NMET (Amendment) Rule, 2018. Further as per Rule 7(6) of NMET (Amendment) Rule 2018 the nodal officers of IBM regularly coordinates with the respective state governments/ UT Departments and Lease Holders to collect & reconcile the data on royalty & NMET.

**(xviii) IBM Collegium: New innovative decision-making system**

To establish strong and effective in-house management structure for policy, planning, review and implementation of IBM's role as National level regulator, IBM Collegium has been constituted with multidisciplinary participation. IBM Collegium holds its meetings every Wednesday and submits its recommendations to Controller General, IBM.

**(xix) Annual Strategic Interaction Meet (ASIM)**

Ministry of Mines has launched Annual Strategic Interaction Meet -2019 during 15<sup>th</sup>-30<sup>th</sup> April, 2019 to facilitate interaction between State Government and functionaries of Ministry of Mines, including IBM. Regional Controller of Mines of various regions would be participating in ASIM for co-ordination with respective State Governments.

- (xx) During 2019-20, as per the framework received from Ministry of Mines, all the IBM offices observed Swachhata Pakhwada during 16th-30th November 2019 in office premises as well in mining site areas, nearby villages and schools with action points covering:

- Clean/Swachha Mines
- Targeting adjoining villages/towns/areas to make ODF
- Launching of pilot schemes of zero waste mines
- Swachhta message dissemination through banners, Posters, etc.
- Swachhta Rankings of mines
- Hygiene kits for the mines labours
- Massive tree plantation and Shramdan

## **5.0 Activity wise Performance of IBM 2019-20**

The activities of IBM have been conducted through the four continuing schemes encompassing the mandates as enshrined in its charter of functions, by six divisions of IBM. Performance relating to various activities of IBM during the year 2019-20 is given hereinafter.

### **5.1 Inspection of Mines**

During the year 2019-20, total 1612 inspections for enforcement of the provisions of Mineral Conservation and Development Rules (MCDR) 2017 and for examination of mining plans/ review of mining plan /mine closure plans were carried out. Consequent to inspection of mines, 1622 violations were pointed out as against 2255 violations in 2018-19 in respect of 838 mines. Total 637 violations were rectified during the year. So far, for the reporting period, 28 cases (including cases launched in previous years also) were decided in favour of IBM as against 5 in 2018-19. Mining operations were suspended under Rule 11(2) of MCDR 2017 in 168 mines for not carrying out mining operations in accordance with the approved mining plan/ review of mining plan and recommended 07 cases for suspension of leases to State Government for non-submission of online returns/ discrepancies in submitted returns. Also, 60 cases were recommended to State Government for termination of lease under relevant provisions of MCDR 2017/ MCR, 2016. Details of state wise inspections carried out during 2019-20 are indicated in table No. 5.1A and follow up of MCDR administration in the form of violations pointed out etc are shown in table No. 5.1B.



**Table No.5.1A: Inspection of Mines carried out by IBM during 2019-20**

S. No.	State	Inspections carried out during the year 2019-20			
		MCDR	Mining Plan	SDF Star Rating	Total
1	Andhra Pradesh	64	60	0	124
2	Assam	3	0	0	3
3	Bihar	2	0	0	2
4	Chhattisgarh	91	28	10	129
5	Goa	8	1	0	9
6	Gujrat	122	40	17	179
7	Haryana	0	0	0	0
8	Himachal Pradesh	28	9	0	37
9	J & K	0	0	0	0
10	Jharkhand	56	36	5	97
11	Karnataka	89	53	30	172
12	Kerala	0	0	0	0
13	Madhya Pradesh	75	90	56	221
14	Maharashtra	59	32	25	116
15	Manipur	0	0	0	0
16	Meghalaya	21	15	0	36
17	Odisha	138	66	0	204
18	Punjab	0	0	0	0
19	Rajasthan	42	17	62	121
20	Sikkim	0	0	0	0
21	Tamil Nadu	79	43	0	122
22	Telangana	23	15	0	38
23	Uttaranchal	0	0	0	0
24	Uttar Pradesh	2	0	0	2
25	West Bengal	0	0	0	0
<b>TOTAL</b>		<b>902</b>	<b>505</b>	<b>205</b>	<b>1612</b>

**Table No. 5.1B: Principal Violations of MCDR, 2017 detected by IBM during 2018-19 and 2019-20**

<b>Rule No</b>	<b>No. of Violations Pointed out in 2018-19</b>	<b>No. of Violations Pointed out in 2019-20</b>	<b>Rule description</b>
11(1)	423	461	Rule 11 (1) - Mining operations to be in accordance with mining plans
11(3)	10	03	Rule 11 (3) - Submission of Review of Mining Plan
20	4	6	Rule 20 - Notice of opening of mine
23	0	2	Rule 23 - Submission of progressive mine closure plan
26 (2)	190	120	Rule 26 (2) - Responsibility of the holder of mining lease to submit yearly report
27(2))	151	10	Rule 27(2) - Submission of Financial assurance
28(1)	37	16	Rule 28 (1) - Notice of temporary discontinuance of mining operations
31(4)	51	27	Rule 31(4) - Maintenance of plans and sections
33	52	70	Rule 33 - Copies of plans and sections to be submitted
35,36,37, 38, 39,40,41, 42,43,44	20	175	<b>Protection of environment:</b> Rule 35, 36, 37, 38, 39, 40, 41, 42, 43, 44 - Sustainable mining, removal and utilization of top soil, Storage of overburden, waste rock Precaution against ground vibrations, Control of surface subsidence, Precaution against air pollution, Discharge of toxic liquid, Precaution against noise, Permissible limits and standards, Restoration of flora respectively.
45(5)(b)	151	39	Rule 45 (5) (b) - Submission of Monthly Return
45(5)(c)	164	75	Rule 45 (5)(c) - Submission of Annual Return
55(1)(c)(i)	62	73	Rule 55(1)(c)(i) - Employment of Whole time Mining Engineer/Geologist
55(1)(c)(ii)	21	11	Rule 55(1)(c)(ii) - Employment of Part time Mining Engineer/Geologist
Others	695	534	Rule 11(2), 11(4), 12(1), 12(2), 12(4), 12(5), 13(1), 13(2), 14(3), 19(1), 19(2), 24(1), 26(1), 27(1), 29, 30(1), 34, 45(1), 45(7), 46, 47 etc.
<b>Total</b>	<b>2255</b>	<b>1622</b>	

## **5.2 Mining Plan, Review of Mining and Mine Closure Plan**

The Mineral (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 and the Mineral Conservation and Development Rules, 2017 stipulate that mining operations are required to be conducted as per an approved Mining Plan and after extraction of minerals, the mines are required to be reclaimed as per an approved Mine Closure Plan. The Mining Plans are approved by the IBM and in case of mines of minor minerals including 31 notified (on 10.02.2015) non-metallic or industrial minerals; the powers have been delegated to respective State Governments. The Mine Closure Plan is required to comprise a Progressive Mine Closure Plan (PMCP) prepared for five yearly periods of the successive mining schemes and a Final Mine Closure Plan (FMCP) before the final closure of the mine. Mine Closure Plan is expected to address issues relating to environment protection including air, water and land protection, management of top soil and overburden, reclamation and rehabilitation of land and control on ground vibration, surface subsidence and restoration of flora.

Up to March 2020, Financial Assurance in terms of Bank Guarantees for a value of ₹22,37,27,79,796/- i.e. 22372.77 Million Rupees (As per revised, per hectare rate of Rule 27(1) of MCDR, 2017) have been collected under Rule 21(4) of MCDR, 2017 have been issued for 07 cases (excluding 31 minor minerals) of partial or full surrender of lease.

During the year 2019-20, 22 Mining Plans were approved and 11 not approved, 190 Review of Mining Plan were approved and 53 not approved and 34 Final Mine Closure Plans approved and 13 were not approved. State-wise break-up is given in the following table 5.2A.

**Table No. 5.2A: State-wise Mining Plans/Review of Mining Plans / Schemes of Mining/Final Mine Closure Plans approved by IBM during 2019-20**

S. No	State	Mining Plans		Review of Mining Plan		FMCP	
		Approved	Not Approved	Approved	Not Approved	Approved	Not Approved
1	Assam	0	0	1	0	0	0
2	AP	1	1	12	9	2	1
3	Jharkhand	1	0	6	3	4	0
4	Bihar	0	0	0	0	0	0
5	Chhattisgarh	0	0	25	1	2	1
6	Delhi	0	0	0	0	0	0
7	Goa	0	0	0	0	0	0
8	Gujrat	0	1	33	2	7	0
9	Himachal	0	0	0	1	2	2
10	Haryana	0	0	0	0	0	0
11	J & K	0	0	2	4	0	0
12	Karnataka	0	0	8	1	8	2
13	Kerala	0	0	0	0	0	0
14	MP	14	2	53	12	2	0
15	Maharashtra	3	2	12	4	1	0
16	Meghalaya	3	3	3	3	0	1
17	Manipur	0	2	0	0	0	0
18	Odisha	0	0	31	11	4	3
19	Rajasthan	0	0	0	0	1	2
20	Sikkim	0	0	0	0	0	0
21	Tamilnadu	0	0	0	0	1	0
22	Telangana	0	0	4	2	0	1
23	UP	0	0	0	0	0	0
24	Uttaranchal	0	0	0	0	0	0
25	W.B.	0	0	0	0	0	0
<b>Total</b>		<b>22</b>	<b>11</b>	<b>190</b>	<b>53</b>	<b>34</b>	<b>13</b>

IBM monitors the progress of reconnaissance permits and prospecting licences.

### 5.3 Preparation of Mineral Maps

Geographic information system and Remote sensing centre has been established in Indian Bureau of Mines which is functional since December 2018. Multi Mineral Lease hold maps are now updated on Arc GIS platform. During the year 2019-20, vectorisation of 346 top sheets and plotting of 2444 mining leases is completed. Plotting of 1807 leases under progress. The geological layer for Goa, Maharashtra, Andhra Pradesh, Gujarat, Karnataka & Jharkhand is completed. Forest Layer of Goa state is completed. Attachment of mine data is completed for Goa,

Maharashtra, Andhra Pradesh, Gujarat, Karnataka, Jharkhand, Telangana, Rajasthan, Madhya Pradesh, Odisha & Chhattisgarh. Activity of plotting of PL and RP areas on ARCGIS platform is also under process

#### 5.4 Mines Environment and Mineral Conservation (MEMC) week celebration

The Indian Bureau of Mines celebrated Mines Environment and Mineral Conservation (MEMC) Week under the territorial jurisdictions of its various regional offices during the year 2019-20 for creation and propagation of awareness on mineral conservation and environmental protection in mining areas.

##### 5.4.1 MEMC Week Dehradun Region

The Final day function and Prize distribution ceremony of 27th MEMC Week under aegis of IBM, Dehradun region held at Chandigarh on 2<sup>nd</sup> August 2019. Dr. K. Rajeswara, Rao IAS, Additional Secretary Ministry of Mines & Controller General, In-charge, IBM was the Chief Guest and Dr. P K Jain Chief Mineral Economist, IBM was the Guest of Honour along with other dignitaries.

Addressing the gathering Dr. K Rajeswara Rao, IAS, stressed upon the importance of mining plan and urged all the mine owners to comply the Mining Plan & other Statutory Provisions. The theme of the function, was “Discourage the use of plastic” and a to-the-scale 3D model of a highly mechanized mine in hilly terrain was displayed showing all statutory features, terrain, optimal utilization of land etc, for better visualization. Presentations depicting best practices and technological interventions such as use of Drone Survey were also shared among the miners. Tree saplings were distributed among miners.



### 5.4.2 MEMC Week Gandhinagar Region

The final day function of MEMC Week 2019 was hosted by M/s Gujarat Mineral Development Corporation Ltd at Ahmedabad on 20 July 2019. The dignitaries present in the function were Shri Anil Mukim, IAS, Secretary, Ministry of Mines, Govt. of India (Chief Guest), Shri Arun Kumar, IAS, Managing Director, M/s GMDC Ltd. (Guest of honour), Shri Roopwant Singh, IAS, Commissioner, Geology & Mining, Govt. of Gujarat (Guest of honour), Shri P.N. Sharma, Chief Controller of Mines (I/C), IBM (Guest of honour), Shri K.S. Yadav, Regional Controller of Mines, IBM, (Patron of MEMCW Organizing Committee) and Shri Narendra Singh, Director, M/s Saurashtra Cements Ltd. Besides this, leaseholders and eminent personalities from the mining fraternity of Gujarat attended the function.



### 5.4.3 MEMC Week Hyderabad Region

The 26th MEMC Week of Hyderabad Region was observed during 16th to 22nd December, 2019 in which about 101 lessees out of 140 working mines participated. The Concluding Day Ceremony of the MEMC Week was held in Hyderabad on 9th February, 2020. Dr K. Rajeswara Rao, IAS, Additional Secretary, Ministry of Mines graced the occasion as Chief Guest while Smt. Indira Ravindran, Controller General (I/C), IBM & Shri P.N. Sharma, Chief Controller of Mines(I/C), IBM were present as Guests of Honour.

Hosted by M/s UltraTech Cement Ltd (Balaji Cement Works, AP), the Concluding Day function was attended by about 500 participants from the Mining Industry of Andhra Pradesh & Telangana viz. miners, lessees, Unit Heads, Departmental Heads, Qualified Persons, Consultants, Print & Electronic Media. Addressing the

august audience, Dr K. Rajeswara Rao, Additional Secretary, Ministry of Mines, stressed upon the responsibility of Mining Industry to cast a positive impact by maintaining transparency and thereby erasing the general mis-conception of pollution by mining industry. Laying strong emphasis on the responsibility of Mining Industry towards implementing the initiatives of Prime Minister's Office viz. Make in India, Installation and use of Renewable sources of energy like Solar, Wind, etc., Dr. Rao mooted the idea to develop closed mines and its nearby areas as a viable place for Mining Tourism. He also exhorted the Mining Industry to extensively use renewable energy sources, such as, solar, wind etc. to reduce the carbon footprint of India Inc. in general and Mining Industry of Andhra Pradesh & Telangana in particular.

Interactive session with Cement Industry was also arranged on this occasion which was attended by more than 100 Senior Executives/personnel of the Industry. The Event also witnessed the exhibition of about 20 stalls that showcased the various facets of the Mining Industry viz. Technology up-gradation, CSR Activities, Mine Planning & designing, application of Renewable Energy like Solar, application of UAV Drones in mines, Mine Safety Equipment, Blasting Accessories & Instruments, Equipment manufacturers etc.



#### 5.4.4 MEMC Week Nagpur Region

Final day function & prize distribution ceremony of 31st Mines Environment and Mineral Conservation (MEMC) Week was organized on 07th March 2020 by the Host M/s ACC Limited at Sindola Mines Colony, Yavatmal, Maharashtra where in Smt. Indira Ravindran, Director Mineral Processing Division & Controller General (I/C) was Chief Guest and Shri P.N. Sharma, Controller of Mines (CZ) & Chief Controller of Mines was Guest of Honour.



#### **5.4.5 MEMC Week Raipur Region**

Celebrated final day function of 4th MEMC week under the aegis of Raipur Regional office for the year 2019-20 at Rosebey Resort, Raipur on 22/02/2020. Smt Indira Ravindran, Director (OD) & Controller General (I/C) IBM grace the occasion as the Chief Guest, Dr Smt. Sandhya Lal, Chief Ore Dressing Officer, IBM grace the occasion as special guest. The final day function starts with flag hoisting & National Anthem followed by Exhibition of stalls by Chief Guest. The entire event was hosted by M/s J K Lakshmi Cement Limited.

#### **5.5 New Initiatives by MDR Division**

##### **5.5.1 Application of Drone Technology in mining**

IBM has organized a meeting with senior officers of IBM and other stakeholders and finalized the modalities and guidelines for application of drones in mine regulation. This is a step taken by IBM for effective E-governance through satellite and remote sensing applications, as enshrined in NMP, 2019. Schedule for pilot study will be drawn once the normal office hours resumes.

##### **5.5.2 Simplified Mining Plan Templates**

As per the NITI Aayog recommendations simplified Mining Plan Template draft has been prepared by a committee constituted for the purpose. The same has been circulated to all Zonal / Regional offices and other stakeholders for suggestions and comments.

##### **5.5.3 Raw material Security post 2020**

In order to ensure uninterrupted supply of raw material to Steel Plants in the country and to address the shortage of raw material post 2020, Ministry of Steel has requested Ministry of Mines to issue directions regarding 'sale of sub grade minerals lying at the mine pit heads at captive mines of M/s SAIL and sale of certain percentage of production from captive mines of M/s SAIL. IBM sent inputs to ministry in this regard as per the MMDR Act 1957. Accordingly MOM issued direction vide notification dated 16-09-2019, allowing sale of sub grade minerals



lying at the mine pit heads of captive mines of SAIL and to sell in a year up to quantity equivalent to maximum 25% of total mineral production in the previous year of captive mines of SAIL.

#### **5.5.4 Ensuring uninterrupted supply of iron ore to the consuming industries**

As per discussions held during CCEC Meeting at Bangalore on 13/09/2019, IBM has initiated its efforts to ensure uninterrupted supply of iron ore to the consuming industries. Leases having potentiality to increase production up to Environmental Clearance limit have been identified and communicated to the concerned Regional offices as well as State Governments for taking appropriate measures. Further, micro details regarding potential enhancement of production from PSU mines and potential utilization of sub grade iron ore are being collected from various Regions.

#### **5.6 Mineral Beneficiation**

Mineral beneficiation studies including mineralogical testing and chemical analysis intimately relates to both conservation and development of mineral resources. During the year 2019-20, 47.75 ore dressing investigations, 24,633 chemical analysis, 2,811 mineralogical examinations and 03 in-plant study were completed. The same is available on IBM website on link <https://ibm.gov.in/index.php?c=pages&m=index&id=232> Ore Dressing officers are also associating with officers of MDRD division in carrying out Regional Mineral Development Studies (RMDS).

##### **5.6.1 Inauguration of New AAS Instrument**

The Controller General, IBM, Smt Indira Ravindran inaugurated the New AAS Instrument Perkin Elmer PinAAcle 900F at the Chemical Laboratory at IBM's Modern Mineral Processing Laboratory & Pilot Plant, MIDC, Nagpur on 31/01/2020.

The inaugural programme was also attended by Dr Sandhya Lal, Chief Ore Dressing officer and Dr D.R. Kanungo, Suptdg Officer (O.D) & I/c Mineralogy along with other officials from Chemical Section.



### **5.6.2 IBM explores support to Bauxite Mines**

On a directive from Ministry of Mines, a team headed by Smt Indira Ravindran, Director (Ore Dressing), Mineral Processing Division of Indian Bureau of Mines (IBM) visited bauxite residue disposal/stacking sites (Red Mud ponds) and bauxite mines of National Aluminium Company Ltd (Nalco) at Damonjodi Panchpatmali and at Tikri and Baphlimali of Utkal Alumina International Ltd (Hindalco Group) in Koraput district, Odisha during 22-27 May, 2019. The visit was aimed at examining the Red Mud sites and drawing of samples for beneficiation or Research & Development studies. The team visited the bauxite mines and Aluminium refineries to have a clear idea of characteristics of feed ores and refining process.

The IBM team made various observations and held technical discussions with senior executives and scientists/engineers of NALCO and HINDALCO on different aspects of Damonjodi and Tikri pertaining to characterization and beneficiation study for efficient utilisation and mineral conservation. They visited both Red Mud disposal sites and bauxite mines to have a fair idea on quantity, characteristics of feed samples and visited the refineries and to know the chemicals/reagents used for generation of different types of leach liquors, slurry and downstream products from the refinery.

The team observed that there was a lot of scope for providing support to these companies to improve the existing comminution methods, for enhancing the quality of feed ore by adopting/suggesting physical beneficiation techniques which would be vital in recovering the valuable minerals as by-product and co-products. This in turn would be beneficial in two ways i.e. consumption of

comparatively less amount of caustic soda in the refinery and generation of lesser amount of red mud.



IBM Team headed by Smt.Indira Ravindran visited Bauxite Mines of Odisha

**5.6.3 Some of the salient achievements of ore dressing investigations are as follows:**

#### **5.6.3.1 Bench scale beneficiation of copper ore**

A Copper bearing sample from Nanagwas block, District- Sikar, collected by GSI as a part of G-2 exploration was received at Regional Mineral Processing Laboratory, Indian Bureau of Mines, Ajmer for bench scale beneficiation studies. The aim of bench scale beneficiation study was to evolve a process for producing a copper concentrate assaying more than 18% Cu with maximum possible recovery.

The sample assayed 0.37% Cu, 4.33% Fe(T), 2.75% FeO, 3.18% Fe<sub>2</sub>O<sub>3</sub>, 34.37% SiO<sub>2</sub>, 7.79% Al<sub>2</sub>O<sub>3</sub>, 40.41% Al, 22.88% CaO, 4.23% MgO, 0.17% S(T), 0.42% TiO<sub>2</sub>, 1.30% Na<sub>2</sub>O, 2.84% K<sub>2</sub>O, 17.87% LOI.

Mineralogically the sample consists of Chalcopyrite, bornite and chalcocite are the copper ore bearing minerals present in traces. Carbonates (Calcite and dolomite) are present in major amount. Mica (Muscovite and biotite) and quartz are present in subordinate amount, whereas, iron oxides (Magnetite, hematite & goethite), tourmaline, amphibole, feldspar, Epidote, pyrite, Pyrrhotite, rutile and garnet are occurring in very minor amount to trace amount.

By employing Flotation test work, a final concentrate obtained assaying 34.86% Cu with a recovery of 83.68% and wt% yield of 0.9.

The final result confirms that, the Copper bearing sample from Nanagwas block, Sikar (Rajasthan) has potential to produce a metallurgical grade concentrate. However, weight percent yield is around 0.9% only.

### **5.6.3.2 Bench scale beneficiation studies on iron ore sample**

An iron ore sample from the rock samples of Jumka Pathariposi Block, Sundergarh District, Odisha was received at the Modern Mineral Processing Laboratory and pilot plant, Indian Bureau of Mines, Nagpur through Mineral Exploration Corporation Limited for conducting bench scale beneficiation studies. The objective of the study was to enrich iron content present in the sample for its further use in iron and steel industries.

The as received sample assayed 60.48% Fe(T), 4.86% SiO<sub>2</sub>, 4.07% Al<sub>2</sub>O<sub>3</sub>, 0.15% TiO<sub>2</sub> and 3.87% LOI. Mineralogical studies reveal that the sample consists predominantly of hematite with subordinate amounts of goethite/limonite and minor amounts of clay. Very minor to trace amounts of quartz, gibbsite, martitized magnetite, feldspar, mica (muscovite, biotite), ilmenite and pyrite are noticed in the sample. Following beneficiation process route was adopted.

#### **Process Route:**

(i) Crushing of as received sample to all -6mm size, followed by scrubbing and screening at 0.8 mm and 100# size respectively followed by gravity separation employing tabling of -0.8mm + 100 mesh fraction.

The table tails obtained were ground to all -100 mesh size and mixed with 100# fraction obtained from screening subjected to hydro cyclone.

(ii) A composite concentrate (-6+0.8 mm fraction + table concentrate + hydro cyclone U/F) obtained assayed 62.95% Fe(T), 2.97 % SiO<sub>2</sub>, 2.88% Al<sub>2</sub>O<sub>3</sub> and 3.32% LOI with iron recovery of 92.6% and wt % yield of 87 %.

The composite concentrate may find suitable industrial application.

### 5.6.3.3 Beneficiation of Manganese Ore

A Manganese ore sample from Devada Block, GSI, Camp-Cheepurupalli, Project Manganese, G-2 stage investigation, was received from Geological Survey of India, Vizianagaram dist., Andhra Pradesh at the Modern Mineral Processing Laboratory and Pilot Plant, Indian Bureau of Mines, Nagpur for conducting bench scale beneficiation studies. The objective of the investigation was to produce a manganese concentrate suitable for end industrial uses.

The as received sample assayed 27.68% Mn, 15.47% Fe (T), 10.64% SiO<sub>2</sub>, 6.49% Al<sub>2</sub>O<sub>3</sub>, 2.11% CaO, 1.42% MgO, 0.52% P, 7.10% BaO, 0.05% Na<sub>2</sub>O, 0.40% K<sub>2</sub>O and 0.09% S.

Mineralogical studies revealed that the as received sample consists of major amount of psilomelane and mangalomelane with subordinate amounts of goethite/limonite and subordinate to minor amounts of clay, pyrolusite, cryptomelane and quartz. Minor to very minor amounts of feldspar, lithiophorite, apatite, mica (muscovite) and garnet and traces of jacobsonite and manganite were also noticed in the sample.

Detailed Beneficiation studies were carried out employing screening, classification, gravity separation techniques viz jigging, tabling and multi gravity separation and magnetic separation. The following beneficiation process route developed:

- i) Stage crushing of the as received sample to all -6 mm size followed by wet screening at 30 mesh size resulting in -6 mm + 30 mesh and - 30 mesh fractions respectively.
- ii) jigging on the -6 mm +30 mesh fraction and classification of -30 mesh fraction using hydro classifier followed by tabling of -30 mesh sand fraction i.e. underflow.
- iii) The above process could yield a composite concentrate-I (Jig.conc+T.conc.) assaying 36.23 % Mn, 9.50 % Fe, and 5.56 % SiO<sub>2</sub>, 0.30% P with a Mn distribution of 64.1 % (wt.% yield: 48.8). The Mn: Fe ratio is 3.81 :1.

#### **5.6.3.4 Beneficiation of Silica Sand**

The objective of the investigation was to carry out bench scale beneficiation studies to obtain a silica sand concentrate assaying above 99.0% SiO<sub>2</sub>, in the size range of minus 20 plus 150 mesh. The as received sample assayed 95.05% SiO<sub>2</sub>, 0.50% Fe<sub>2</sub>O<sub>3</sub>, 0.1% TiO<sub>2</sub>, 1.77% Al<sub>2</sub>O<sub>3</sub>, 0.18% CaO, 0.11% MgO, 0.05% Cr, 0.41% Na<sub>2</sub>O, 0.89% K<sub>2</sub>O and 0.36% LOI.

Mineralogical analysis of the as received sample reveals that the sample consists of predominant amount of quartz. Feldspar, clay, pyroxene/ amphibole, mica, rutile/ ilmenite, goethite/limonite and zircon are present in very minor to trace amount.

In order to obtain silica sand concentrate grade above 99% SiO<sub>2</sub>, reverse flotation method was adopted, where the unwanted gangue minerals like iron oxide, mica and feldspar were floated out and the non-float fraction constituted silica sand concentrate.

The non-float silica sand concentrates (minus 72 plus 150 mesh size) obtained assayed 99.22% SiO<sub>2</sub>, 0.13% Fe<sub>2</sub>O<sub>3</sub>, 0.37% Al<sub>2</sub>O<sub>3</sub>, and 0.03% TiO<sub>2</sub>, with SiO<sub>2</sub> recovery of 71.3% (Wt. % yield: 68.3). Similarly, the non-float silica sand concentrate (minus 150 plus 500 mesh size) obtained assayed 99.82% SiO<sub>2</sub>, 0.09% Fe<sub>2</sub>O<sub>3</sub>, 0.10% Al<sub>2</sub>O<sub>3</sub>, and 0.01% TiO<sub>2</sub>, with SiO<sub>2</sub> recovery of 14.6% (Wt. % yield: 13.9).

#### **5.7 National Mineral Inventory (NMI)**

The NMI is based on UNFC system which is being used for making various decisions in the mining and exploration sectors by the domestic/foreign investors. Such a system has wide ramifications of use in different kinds of decision making and policy formulation concerning not only minerals but allied fields as well. NMI provides valuable database that enables planning, development and judicious management of the country's mineral resources. IBM in consonance with the contemporary demands in the Mineral & Mining Sector and in accordance with its mandate and functioning role as National Mineral Information Repository elicits cooperation & support from all Agencies engaged in different stages of

exploration, i.e., reconnaissance, prospecting and mining, in collecting/collating data which after due process of analysis & vetting are woven into NMI database.

### **5.7.1 National Conference on National Mineral Inventory (NMI) (As on 01.04.2020)**

IBM organised a National Conference on NMI (As on 01.04.2020) at its Headquarters in Nagpur on 23.01.2020 as a consultative process with all Stakeholders involved in the updation process and with the guided principle to assimilate all information/opinions/views/nuances that which could be integrated to enhance the comprehensiveness of the title “National Mineral Inventory (As on 01.04.2020)”.

Delegates from various Departments, namely, MOIL, MECL, JNARDDC, SAIL, BALCO, HCL, FIMI, HGML, TATA Steel, NMDC, GSI and State Govt. Department of Geology attended the Conference.

The Technical Sessions of the National Conference covered relevant topics such as “NMI—An Overview”, “End-use Grade Classification for the Purpose of Resource Classification”, “Exploration and Resource Assessment for NMI”, “List of Minerals to be covered under NMI (as on 01-04-2020; Pro forma for NMI as on 01.04.2020; and Time Schedule to Supply Data for NMI”. Technical Presentations were followed by Interactive sessions to satisfy the queries of the delegates.



### **5.8 Statistical Publications**

IBM disseminates statistical information on mines, minerals, metals and mineral-based industries through various publications. Information on mineral production, stocks, dispatches, employment, inputs in mining, mining machinery and related



matters received from the mine owners on statutory basis under the MCDR, 2017 and ancillary statistics on metals production, mineral trade and market prices of minerals, revenue from the mining sector, rent, royalty and cess on minerals, etc from other agencies is compiled regularly by IBM.

The statistical publications released during the year 2019-20 include Statistical profiles of minerals 2017-18, Monthly Statistics of Mineral Production (MSMP) up to March 2019. Further, Indian Mineral Industry at a Glance 2015-16 issue completed and hoisted on website, Issue of 2016-17 and 2017-18 are under progress. MSMP issues of March 2019 is under progress.

### **5.9 Consultancy Service**

IBM provides technical consultancy services on prescribed charges for geological appraisals, survey of the areas, preparation of feasibility study reports, environment impact assessment and environment management plan, selection of suitable mining equipment etc.

Special Investigation Team (SIT), Goa has reported that, on a written complaint as filed by the Directorate of Mines & Geology (DMG), Government of Goa and as registered on 12.08.2013, an investigation is under progress by SIT-Goa. In this regard, SIT, Goa approached IBM Goa Regional office for site inspection and detailed survey of the area using total station. Based on the communication of RCOM Goa, CCOM office vide letter dated 22nd October 2018 advised TMP Division of IBM to take up the matter with RCOM, Goa. In 2019 detailed field work and total station survey was done to know about total excavation and dumps of Pola Dongra Iron Ore Mine, South Goa. Special Investigation Team (SIT), GOA has assigned the work of survey to the Technical Consultancy Division of Indian Bureau of Mines, (IBM), Nagpur to estimate the volume of excavations from the mined out area and the volume of the dumps lying in the mine; for the period 2005 to 2013. The Technical Consultancy Division, IBM, Nagpur has carried out the field survey work at mine site during the period from 16.05.2019 to 29.05.2019. IBM has used SURPAC software and advanced techniques like digital terrain modelling in this work. Final report has been submitted on 16.08.2019.



### **5.9.1 Regional Mineral Development Study (RMDS) covers eight MOIL mines**

IBM carried out a RMDS in 2018-19 for “Estimation of Manganese recoveries and quantitative assessment of the Black/ Manganiferous dumps for working mines of Nagpur and Bhandara districts of Maharashtra State” covering eight manganese ore mines of MOIL Ltd.

The mines covered under the study are Beldongri Mines (12.99 ha), Munsar Mines (108.63 ha), Kandri Mines (83.06 ha), Chikla Mines (150.65 ha), Dongri Buzurg Mines (53.98 ha), Dongri Buzurg Mines (69.5 ha) and Munsar Mines (5.74 ha). Based on the study, some recommendations were made for improvement of recovery and efficiency of mining operations. Final report was prepared and submitted in April 2019 for approval.

During the year 2019 RMDS for effective utilization of iron ore fine dumps of NMDC, Bailadila sector, is being carried out which is under progress.

### **5.10 Technical Publications**

IBM brings out technical publications relating to mines and minerals, mineral-based industries, trade, beneficiation, R&D activities, etc.

Indian Mineral Year Book (IMYB) is available at IBM website <https://ibm.gov.in/index.php?c=pages&m=index&id=107&mid=18654>. IMYB is a flagship publication of IBM and bring out in three (3) volumes. It consists of Part I having as many as 11 General Chapters, Part II consists of 19 Reviews on metals and alloys and Part III consists of 50 mineral reviews. This publication covers information on minerals and mineral-based commodities, their development, production, resources/reserves, consumption, trade and policy. It also includes world scenario. IMYB provides a status report of Mining and Mineral Industry in India on an annual basis. This publication has wide readership-both National and International.

The IMYB, 2018 (data 2017-18), consisting of total 60 General/Metals & Alloys/Mineral Reviews was prepared, edited, finalized and IMYB, 2018 (Advance Release) was uploaded on IBM, website.

For IMYB, 2019 (data 2018-19) about 13,078 letters/questionnaires/e-mails were issued for capturing of data. Nearly 1071 (including Form O, N and questionnaires) receipts from various mineral-based industries, Central/State Government departments, Central/State Undertakings, National Laboratories etc. were received during the period under review. Preparation of IMYB 2019 was taken up for three separate volumes, viz. Volume-I for General Reviews, Volume-II for Metals & Alloys and Volume-III for Mineral Reviews. Preparation of reviews is under progress.

Half yearly Bulletins on mineral information (October 2018 to March 2019) and yearly Bulletin on Mining Lease and Prospecting Licenses 2018 are released.

### **5.11 Training**

IBM imparts training to technical and non-technical officials of IBM and also to persons from the mineral industry and other agencies in India and abroad. During the year 2019-20, 10 training programmes have been organized by IBM in which a total of 208 IBM personnel, 189 industry personnel and 27 State DGM personnel participated. Four Bhuvismvad sessions have also been organized.

IBM has conducted training programmes on (i) Filing of statutory returns under Rule 45 of MCDR 2017 and (ii) Chemical Analysis of Ores and Minerals for mining industry personnel. Further a training programme on MMDR Act and Rules made there under at Kolkata for IBM in house officers is also organized.

Training centre, IBM has organized a two day “training programme on “administration, establishment, accounts matters” for IBM officials on 03<sup>rd</sup> & 04<sup>th</sup> March 2020 at Nagpur. So far, during the year 2019-20, total 10 training programmes and 6 Bhuvismvad sessions have been organized by IBM.

IBM has conducted a training programme on Chemical analysis in view of mineral processing at Bengaluru from 19.08.2019 to 20.08.2019 for Industry people as well as officers from IBM and State DGM departments.

Under skill development a two days training programme (18<sup>th</sup> and 19<sup>th</sup> November, 2019) on procedure for store purchases and E procurement through Gem organised at Nagpur. A total of 66 participants from IBM regional offices as well as from Head Quarter got benefited.

### 5.11.1 Workshop-cum-Training Programme on Filing of Returns under Rule 45 of MCDR, 2017

Regional Office, Raipur, IBM organized a two-day Workshop-cum-Training Programme on Filing of Returns under Rule 45 of MCDR, 2017 on 14-15<sup>th</sup> July, 2019. The Training Programme was aimed at serving the industry needs in a better way and understanding ways to improve efficiency. The Training Programme covered sessions on Statutory Provisions of mineral regulation in India, Provisions of Monthly & Annual Returns, timely submission, Sale value and Ex -mine price calculation as per rules and importance of ASP of mineral for assessing royalty and its use in valuation of estimated mineral resources for calculation of upfront price and deciding eligibility of applicant in accordance with Mineral auction Rules 2015. About 90 Industry Personnel from Public Sector Undertakings and Private Sector Companies from the states of Chhatisgarh, Madhya Pradesh, Maharashtra Odisha and Jharkhand attended the Workshop-cum- Training Programme.

Dr K. Rajeswara Rao, IAS, Additional Secretary and Controller General, In-charge, IBM interacted with participants and took feedback from them.



### 5.11.2 Training Programme on Chemical Analysis of Minerals/ores in view of Mineral Processing

A Two- day Training Programme on “Chemical Analysis of Mineral in View of Mineral Processing” was organised by the Training Centre, IBM from 19th August

2019 at Bengaluru for mining & mineral Industry personnel and new entrants of MP Division of the Bureau. The training programme was aimed at giving brief exposure on the application of various modern facilities available in Mineral processing labs and pilot plant of IBM and making them familiar with the application of various modern equipment and instruments in the field of chemical analysis, required for mineral processing.

Smt Indira Ravindran, Director (OD) while inaugurating the training programme outlined the necessity of mineral beneficiation of low grade/lean grade ore and also recoveries of values like Au, Ag, PGM, REE group from reject/waste in the pursuit of mineral conservation. She underlined the importance of the role of chemical analysis and process mineralogical studies in sync with mineral processing. The Training Programme comprised of 9 sessions, which was initiated with the capabilities and facilities available in processing laboratories and pilot plant of IBM, followed by lectures on Wet Classical Chemical Analytical Techniques, Process Mineralogy & its role & instrumental analysis through X-ray Fluorescence spectrophotometer, U V – Visible Spectrophotometer, Atomic Absorption Spectrophotometer and Flame Photometer, Principle of ICPA (AES & MS) techniques and Estimation of Au, Ag and PGE by Fire Assay and hyphenated Techniques. The laboratory visit has been arranged to appraise the participants with practical demonstrations of various equipment & instruments in different laboratories of RODL, IBM, Bengaluru.

A total number of 27 executives from PSU's viz NMDC, SAIL, NALCO MSPL, SMIOR, KSM, cement companies and DGM Maharashtra underwent the training.



### 5.11.3 Training programme on “Basic Stores purchase procedures, e-Procurement through Government e-Marketplace (GeM)”

IBM organized a two-day training programme on “Basic Stores purchase procedures, e-Procurement through Government e-Marketplace (GeM)” from 18th to 19th November, 2019 at Nagpur for IBM officials to sensitize them about challenges in transforming procurement procedure on GeM portal so as to make it more transparent, efficient and economical for both government and vendors.

The training programme covered seven sessions including An Overview about the GeM and Registration process of Primary /Secondary users; GeM Dashboard management with Order processing and basics of e-procurement; Direct purchase, Bid/RA & payment process in GEM with FAQ's; Guidelines on basic stores procedures for procurement of Goods & Services; Procurement basics of Government e-Marketplace; Budget & expenditure control in terms of Government e-Marketplace and Audit & Procurement followed by MCQ based test. The training concluded by Group Discussion Session wherein participants interacted about issues dealing with day-to-day activities of GeM. A total number of 66 officers and officials from various regional/zonal/regional mineral processing labs, various offices of the bureau attended this training programme.

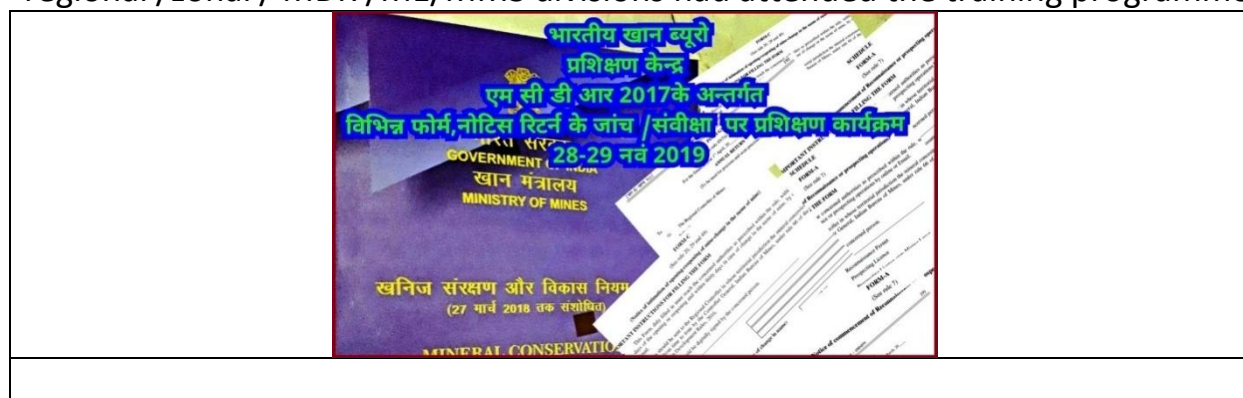


### 5.11.4 Training Programme on “Scrutiny of various Forms / Notices / Returns submitted under MCDR, 2017



A two-day Training Programme on “Scrutiny of various Forms / Notices / Returns submitted under MCDR, 2017 from 28th -29th Nov’ 2019 was held at IBM headquarters, Nagpur with the objective to have brief exposure on content of data regarding various forms/notices/returns to be submitted by lessees/ mine owners in the compliance of MCDR 2017 and to process and scrutinize these forms/returns and its validation.

The Training Programme covered various topics regarding forms/notices/returns pertaining to RP/PL/ML, Notices on stoping permission, Opening, abandonment of mine or part of the mine & Temporary Discountenance of mines, certain appointments in mines, Overview on MTS: Processing for Registration and various modules for Returns & Forms, Processing of Annual & Monthly Returns under Rule 45 of MCDR,2017, Form “F” and “G” Series, “L” and “M” forms & their scrutiny & general Discrepancies observed. A total of 25 officers from various regional /zonal / MDR /ME/MMS divisions had attended the training programme.



#### 5.11.5 Training Programme On “Stoping Practices and Examination/Scrutiny Of Stoping Notices

A three-day training Programme On “Stoping Practices and Examination/Scrutiny of Stoping Notices has been organized at Skill Development Centre , IBM, Udaipur from 9th to 11th December 2019 at Udaipur . The objective & aim was to give exposure on various stoping methods practised in metalliferous mines, processing & validation of notices received under rule 30(2) of MCDR, 2017. The training programme comprised of six sessions and concluded with group discussions and valedictory function including for one day visit to Baroi Lead-zinc underground mines of M/s HZL. A total of 17 participant officer attended this training.



#### 5.11.6 Training Programme on Online Filing for Star Rating Templates

The Training Centre, IBM, Nagpur organised a Training programme on ‘Online filing of information on Star Rating Templates’ for Industry Persons on 23-24 January 2020 at Hyderabad. The Objective of this training programme was to focus on deficiencies observed by Indian Bureau of Mines in Star Rating Template and to clear various problems associated with filing of online template and resolve issues through interactive sessions with participants from the industry while filing online templates.

The Programme, inaugurated by Shri P.N.Sharma, Chief Controller of Mines I/c, IBM, who was also the Chief Guest, was attended by a total of 75 participants from different Public Sector Undertakings & other Private Industries. The majority of the executive participants belonged to the Organised Sector comprising medium to large mining ventures.

The Training Programme was conducted in five sessions and covered multiple topics. The lecture series included — “Concept of Sustainable Development and Evolution of Star Rating” by Shri P.N.Sharma, Chief Controller of Mines (I/c), IBM; “CSR Activity & SDF guidelines” by Shri Shailendra Kumar, Regional Controller of Mines, IBM, Hyderabad; “Online Demonstration and Deficiencies Observed in Star Rating Template” by Shri Manish K Maindiratta, Regional Controller of Mines, IBM; “Capacity Development for Successful Achievement of Sustainable Goals” by Shri Ibrahim Sharief, Sr ACOM; and “Mining Tenement System an Overview” by Shri G.K. Jangid, Regional Controller of Mines, MTS, IBM, Nagpur.

The training sessions were followed by a Group Discussion Session with the faculty members. All the queries of the participants were patiently replied by the faculty members to the satisfaction of participants. The programme concluded with the valedictory function wherein certificates were issued to the participants. Shri Ibrahim Sharief, Sr ACOM was the Course Director and Shri Ramesh Kumar, AMG, was the Course Co-ordinator for the training programme.



#### 5.11.7 Training Programme on NMI (as on 01.04.2020)

Keeping in view the updating of National Mineral Inventory (as on 01.04.2020), IBM organised a Training Programme on “Preparation of National Mineral Inventory (as on 1.4.2020)” for IBM officials at IBM Headquarters, Nagpur from 17th to 18th Feb., 2020 . A total of 33 IBM Officers from all Zonal / Regional offices of MDR Division / GMMM Cell and ME Division participated in this training programme.

The training was conducted in 6 sessions in two days covering various topics, such as, An Overview of NMI, its application and coverage of minerals during preparation and updation of NMI as on 1.4.2020; UNFC codification and Exploration practices as per Mineral (Evidence of Mineral Content) Rule, 2015; Input data for computerisation of NMI & An introduction to NMI module in MTS; General Deficiencies observed in updated NMI sheets received from Regional offices; End-Use grade Classification of Resource for the purpose of NMI; & Collection of data for new/existing leasehold deposits. Each training session was followed by a lively interactive Session with respective faculty members.





#### 5.11.8 Training programme on Administration, Establishment and Account

A two-day Training programme on “Administration, Establishment and Accounts “ was conducted on 03rd and 04th March, 2020 at IBM Headquarters, Nagpur. A total of 39 IBM officers and staff from various Regional/Zonal offices/ Modern Mineral Processing Lab/Regional Mineral Processing labs & Pilot plants and various Divisions at Headquarters, Nagpur attended the Training Programme.

The various topics that were covered during the two-day programme included Office Procedure, C.C.S. (Conduct) Rules, 1964, C.C.S. (Leave) Rules, 1972, Maintenance of Service Book, Pay Fixation, Sanction of Increments, Preparation of various types of Bills, Settlement of Audit Objections, Stores Procurement , General Procedures related to Government e Market (GeM).



## **5.12 Measures for Abatement of Pollution and Environmental Protection**

The IBM undertakes inspections/ studies for the enforcement of provisions of MCDR, 2017 which include provision on protection of mine environment to ensure that due care is being taken by the mine operators. During inspection it ensures that mine operators are taking due care for preservation and utilization of top soil, storage of overburden / waste rocks, reclamation and rehabilitation of land, precaution against ground vibration, control of ground subsidence, abatement measures against air, water- and noise pollution, restoration of flora, etc. in addition to other conservation and developmental measures. Necessary guidance to mine managements/ operators are also given for systematic and scientific development of mine including protection of environment. While approving the mining plans, Review of mining plans of mining and mine closure plans, IBM ensures that environment impact assessment studies have been carried out and to that effect environmental management plan has been incorporated for its effective implementation, besides reclamation and rehabilitation of mined-out areas.

As a result of follow up for implementation of EMP, extensive afforestation has been undertaken in the mines by the mine owners. So far, 119.20 million saplings have been planted over an area of about 60,070 hectares with a survival rate of 68.73 percent as per information collected from various regional offices.

Similarly, work of simultaneous reclamation/ rehabilitation is also undertaken by the mine owners for abandoned mines. So far, 113 abandoned mines covering an area of 1381 hectares have been reclaimed / rehabilitated as per information collected from various regional offices.

The Mines Environment and Mineral Conservation (MEMC) Week is organized every year under the aegis of IBM in important mining centres through its regional offices to promote awareness among mine owners for minimizing environmental pollution.

## **5.13 Revenue Generation**

IBM generates revenue through consultancy, training, statutory processing of Mining Plans and sale of publications & data etc. Revenue generated during 2019-

20 is ₹507.1 lakhs comprising ₹58.15 lakhs from mineral processing assignments; ₹446.00 lakhs from processing of mining plans/review of mining plans and balance ₹2.95 lakhs (ME Div Fig) from sale of publications, mineral maps, mineral inventory data etc.

#### **5.14 Computerization**

The Regional (Except Raipur & Gandhinagar R.O.) /Zonal offices and Headquarters of IBM have been linked through a sophisticated system based on client server architecture established with the help of BRGM, France. Proposal for connecting Raipur & Gandhinagar RO with said system along with VC facility is under process. IBM has well established LAN facility, besides WAN system to communicate and exchange data with Regional, Zonal offices and Headquarter offices. In all RO/ZO offices, VC facility is operational.

The Web Portal of IBM i.e. [www.ibm.gov.in](http://www.ibm.gov.in) provides information on IBM's history, functions, organization, divisions of IBM and its activities, jurisdiction of regional & zonal offices, services offered by IBM. The new domain [ibmreturns.ibm.gov.in](http://ibmreturns.ibm.gov.in) is also functional for facilitating the stakeholders to submit the Monthly & Annual Return online and also scrutiny of the same by IBM. Further, the Bilingual Website of IBM is being updated as and when required.

##### **5.14.1 Submission of Returns:**

After introduction of online submission of returns system consequent upon amendment to Rule 45 of MCDR, 1988 vide notification No. 75(E), dated 9<sup>th</sup> February, 2011, the mine owners have commenced submission of monthly and annual returns online. IBM is monitoring and guiding/ encouraging the mine owners and their representatives for online submission of returns. The month-wise monthly returns submitted online are given in **Table –5.14 A**

**Table 5.14 A****Month-wise Returns Submitted online**

<b>Sl No.</b>	<b>Month</b>	<b>No. of monthly returns received online</b>
1	January, 2019	2,314
2	February, 2019	2,308
3	March, 2019	2,283
4	April, 2019	2,280
5	May, 2019	2,256
6	June, 2019	2,232
7	July, 2019	2,171
8	August, 2019	2,139
9	September, 2019	2,093
10	October, 2019	2,175
11	November, 2019	2137
12	December, 2019	2114
13	January, 2020	2052
14	February, 2020	1938

**5.14.2 Registration under Rule 45**

The registration under Rule 45 of MCDR 1988 /2017, picked up pace in 2019-20 and 1194 out of the 1213 working leases were registered in migrated MST platform. While, 2161 leases out of 2457 non-working leases are registered. In total, 3355 leases are registered with IBM. About 107 leases were suspended and another 130 recommended to the State Governments for termination. So far, 18518 end users, traders, stockiest and exporters are registered under the Rule as follows:

**Online Registration of End Users, Traders, Stockiest and Exporters:  
(Including 31 minor minerals)**

<b>Serial Number</b>	<b>Particulars</b>	<b>Status at the end of March 2020</b>
1	No. of Miners	6377
2	No. of End Users	3519
3	No. of Traders	5915
4	No. of Stockiest	1769
5	No. of Exporters	938
	<b>TOTAL</b>	<b>18518</b>

### **5.15 Mining Tenement System (MTS)**

MTS has been taken up by IBM during the programme year 2009 - 10. The objective of the Scheme is to develop an online National Mineral Information System for investors by linking Central and State organizations engaged in administration of mineral resources in the country. The mining tenement system would have graphical information database (GIS) as well as information in textual form. These two databases, i.e., non-spatial database and spatial database would be seamlessly integrated so as to retrieve graphical information as well as relevant textual information. The system will be thus web enabled and access to the system will be given online to prospective investors, government organizations, private and public organizations through Internet as per policy of the Government.

As approved by Core committee on MTS, the successful bidder M/s WIPRO has signed the contract with IBM on 10.11.2016 in the august presence of Secretary (Mines) at Nagpur. M/s NISG, Hyderabad signed agreement as Project Management Unit(PMU) on 04.05.2017. Core Committee approved the Project Plan, SRS Document of Phase-I and COTs Software along with release of linked payments as per RFP. Pradhan Mantri Khanij Kshetra Kalyan Yojna (PMKKKY), a part of MTS and as a change request was approved by Core Committee on 26.10.2017. For procurement of Cloud Services, the Co-ordination Committee has approved the name of M/s ESDS and accordingly, an agreement with M/s ESDS was signed on 23.11.2017 at Nagpur. The SRS Document of Pradhan Mantri Khanij Kshetra Kalyan Yojna (PMKKKY) along with System Design Document (SDD) for Phase-1 was approved on 30.01.2018 by Core Committee. Three modules of MTS Project viz. PMKKKY, Registration and Daily Returns were launched by Honorable Minister of Mines Shri Narendra Singh Tomar on 20.03.2018 during 3rd National Conclave on Mines & Minerals at New Delhi. PMKKKY is currently live w.e.f. 27.08.2018 for data entry at district level and most of the States have started entering data on DMF collection and projects sanctioned for utilization of fund in high and other priority heads in the affected areas due to mining. The Registration module is available on <http://mitra.ibm.gov.in> and applicants engaged in mining are updating the details since 15th Feb 2019. Similarly Daily Return Forms D1, D2 and D3 and Monthly Return Forms F1, F2 and F3 forms are available on <http://mitra.ibm.gov.in> to view and submit the returns. In a nutshell status of various modules are as follows:

**Modules under operation**

- Pradhan Mantri Khanij Kshetra Kalyan Yojana (PMKKKY) / Registration/ Daily & Monthly returns

**Modules under testing**

- Mining Plan / Star Rating of Mines / Ore Accounting System

**Modules for Software Requirement Specification examination**

- Phase II Modules i.e. Grant and Execution of Concession, Inspection Module, GIS Module, IBM existing databases, ML WMMP, NMI, MCP and Final Mine Closure Plan

**5.16 Sustainable Development Framework (SDF)**

Star Rating System: A good governance initiative is designed as a tool for evaluation of the performance of lease operators on the various parameters encompassed by the Principals of the Sustainable Development Framework (SDF) approved by Ministry of Mines in 2011 in line with the National Mineral Policy 2008. Thus it can be viewed as a mapping of mining footprints from the view point of sustainability.

The system has been developed primarily on the basis of self-assessment followed by validation by Indian Bureau of Mines along-with provisions for third party auditing as may be considered fit by Ministry of Mines. The Star rating has been mandated by rule 35 of newly notified MCDR 2017. All the mine operators are mandated to achieve three star and above rating within a stipulated time period of four years from the date of commencement of mining operations or the date of notification of the rules (i.e. March 2017) whichever is later in accordance with amended Rule 35 of MCDR 2017. Failing which Mining operations are liable to be suspended. A system of third party auditing of the award of rating system and the process implementation is also proposed.

Following are the anticipated outcomes of the Star rating system:

- Reduced environmental and social conflicts in areas awarded for mining.
- Greater clarity for all concerned stakeholders, on risk levels of mining lease areas.
- Potentially reduced delays in obtaining clearances (environmental, forest) for mines.

- Improved protection of high risk areas in terms of environment and social considerations.
- A Regional Mineral Development Plan for selected mining areas and addressing key regional and cumulative impacts of mining through coordinated and collective action.
- Opportunity for clustering of small operators to become more competitive, and compliant.
- A robust E&S Management framework in mining companies.
- A disclosure process that provides stakeholders with relevant and timely information, and allows issues to be raised in engagement forums.
- Enhanced control on illegal mining activities through intensive stakeholder scrutiny by publishing details on mining activity in public domain.
- Intensive use of geo-spatial and geo-scientific information at mine level for assessment, planning, management and monitoring of the mining sector.
- Stronger monitoring and assurance systems and processes and
- SDF reporting on governance and ethical practices.
- The critical analysis of the Star rating templates will result into -
- Identification of the thrust areas for policy formulation
- The resource base creation for investment opportunity in the field of exploration, mining, mining as a hub for green energy development, mine water management, skill development requirements and efforts, the use and scope of space and digital technology
- Dissemination of best practices in the field of mining and allied activities.
- Critical analysis of mining activities in our country vis a vis global mining practice.
- Issues related to Raw material Security in country.

Based on evaluation of the performance of lease operators on the various parameters encompassed by the Principals of the Sustainable Development Framework (SDF) approved by Ministry of Mines, validation of self-assessed templates was carried out by IBM and accordingly rating was given as 0 to 5. The year wise 5 Star Rated mines are given below.

Year	5 Star Rating
2014-15	10
2015-16	32
2016-17	57
2017-18	57

The mine operators were felicitated for achieving 5 star rating at National Conclave on Mines and Minerals held at Raipur, Delhi and Delhi for the said years on 4-5 July, 2016, 15<sup>th</sup> February, 2017 and 20<sup>th</sup> March, 2018 respectively.

During the year 2018-19 total 994 online templates for the performance of year 2017-18 had been filed by the lessees. After field verification of these leases for final evaluation, 57 mines rated as Five Star.

During 2019-20, 880 Mines have filed online star rating templates for assessment years 2018-19 under Rule 35 of MCDR, 2017 out of which 403 cases have been validated. After validation 39 leases fall under five star, 187 leases under four star and rest 177 falls under “below four star”. Validation process was in progress till writing of this report.

### **5.17 Mining Surveillance System (MSS)**

Mining Surveillance System (MSS) is a satellite-based monitoring system which aims to establish a regime of responsive mineral administration by curbing instances of illegal mining activity through automatic remote sensing detection technology.

- Ministry of Mines & Indian Bureau of Mines (IBM) have developed the MSS, with assistance from Bhaskaracharya Institute for space applications and Geo-informatics (BISAG), Gandhinagar and Ministry of Electronics and Information Technology (MEITY).
- The system works on the basic premise that most minerals occur in the continuity and their occurrence is not limited to the lease area but is likely to extend in the vicinity. The MSS checks a region of 500 meters around the existing mining lease boundary to search for any unusual activity which is likely to be illegal mining. Any discrepancy is found is flagged-off as a trigger.
- The MSS is a transparent & bias-free system, having a quicker response time and capability of effective follow-up. The deterrence effect of ‘Eyes watching from the Sky’ would be extremely fruitful in curbing instances of illegal mining.



- A user friendly mobile app for MSS has been created and launched on 24th January, 2017 at Gandhinagar for enabling public participation in assisting the governments endeavor to curb illegal mining, which was being used by the inspecting officials to submit compliance reports of their inspections.
- In the initial phase, a total of 296 triggers across the country covering a total area of 3994.87 hectares wherein, 47 unauthorized mining have been confirmed after inspection of the triggers by the state government officials.
- The training of all the States for its adoption of the MSS for minor minerals has also been done.
- In the second phase, 52 major mineral triggers, have been detected from the 3280 plotted leases (Working Mines 1689 plotted out of 1694 and Non-Working Mines 1596 plotted out of 2129 ) across the country, out of which 45 have been verified by the State Governments and in 5 cases unauthorized mining activities have been identified.
- Similarly, in respect of minor minerals, so far, 130 triggers have been generated, out of which 104 have been verified and in 9 cases unauthorized mining activities have been identified.

### **5.18 Remote Sensing Centre becomes operational**

The setting up of Remote Sensing Project under IBM- National Remote Sensing Centre (NRSC) Memorandum of Understanding has been completed and the laboratories in IBM HQs in Nagpur and Hyderabad Regional office are fully functional as on December 2018.

The IBM signed an MoU with NRSC, Hyderabad for “Capacity Building and Technical Support for lab establishment for monitoring the activities/changes within the mining lease area and within the 2 km buffer of mining lease boundaries using time series satellite imagery”. With the guidance and hand-holding of NRSC, Hyderabad, IBM has set up two state-of-the-art remote sensing and GIS facilities at Nagpur and Hyderabad. The laboratories are equipped with

latest software like Erdas Imagine Professional with Photogrammetry and ArcGIS Desktop Desktop Advance and its extension with machine hardwares.

Under Capacity building activity, the officers and staff of IBM were given a training in organisations like GSI and NRSC to handle the softwares. IBM officers attended two refresher courses in Advanced Geographic Information System and Remote Sensing and Digital Image Processing at GSI Training Institute in Hyderabad in the month of April and July, 2018. While, select officers and staff of GM & MM Cell underwent training Basics of GIS using Open Source Software at GSI Regional Training Institute, Nagpur in June, 2018.

A Training was conducted to officials of IBM at NRSC, Hyderabad from 5th to 9th August 2019 under IBM - NRSC Remote Sensing Project. On this training, 22 officials of IBM have participated. Coinciding to the concluding day of the training programme, NRSC –IBM schedule a review meeting also on 09/08/2019. CG,IBM had interaction with IBM participants and has discussion with NRSC and IBM officials.

Dr K. Rajeswara Rao, IAS, Additional Secretary (Mines) and Controller General (In-charge) visited NRSC at Hyderabad on 9 August 2019 and chaired a meeting of senior officers from NRSC & IBM and had deliberations on the intensive use of technology in the field of mine regulations with the help of space technology. He was also apprised of the work done by NRSC & IBM on a pilot scale in Tandur area of Telangana & Bellary-Hospet of Karnataka state. On this occasion NRSC assured IBM to extend all sorts of co-operation in establishing & operating two labs at Nagpur & Hyderabad along with capacity building of IBM officials. Dr Rao also visited the training centre of NRSC where he interacted with all the trainee officials from IBM.



## **5.19 Capacity Building of State Governments**

### **5.19.1 Workshop on “Leveraging Synergy among Industry, Central & State Governments”**

IBM organized a one-day workshop on “Leveraging Synergy among Industry, Central & State Governments” on 19th October 2019 at CGO Complex, Kavadiguda, Hyderabad. Dr K. Rajeswara Rao, IAS, Additional Secretary & Controller General, In-charge, Indian Bureau of Mines (IBM), who chaired the event had delivered the keynote address. In his address, Dr Rao apprised the participants about a slew of policy changes being considered by the Government of India to boost the growth of the Mining Industry and for bringing in the ease of doing business in the Industry. He also sought the opinion of the Industry on simplification of the mining plan format. He emphasized that the mining sector is expected to grow fast with the declaration of national Mineral Policy, 2019 and other several initiatives.

In the workshop, key issues like submission of Mining plan through online, in MTS format, filing of returns, implementation of National Mineral Policy and its affect on mining business for increasing the mineral production and reducing the imports to reduce trade deficit etc were discussed. The Chairman expressed his

happiness over the pro-active participation of all the key stakeholders of the mining industry in the workshop.

Chief Controller of Mines, IBM, Additional Director General, GSI, Deputy Director-General, GSI Training Institute, Director, National Institute of Rock Mechanics, State DMG officials, senior officials from the mining industry of Andhra Pradesh and Telangana had participated in the event.



## 5.20 BHUVISAMVAD

### 5.20.1 Bhuvisamvad by IBM HQ

In order to promote interaction among the Indian Bureau of Mines (IBM) professionals and student/ faculty from universities/colleges IBM has initiated Bhuvi Samvad platform. It is a venture to establish synergy for exchange of contemporary domain knowledge and expertise acquired through cutting edge technologies, advanced instrumental techniques and laboratory facilities. One such programme has been organized on 10.12.2019 for students and faculty of department of mining in Government Polytechnic, Nagpur. Dr P.K. Jain, Chief Mineral Economist and Dr. VGK BhagavanGumma, Regional Mining Geologist participated in this programme on behalf of IBM. At the outset Dr VGK Bhagavan gave an introduction to this programme and informed the role and responsibilities of IBM in regulation and development of mines and minerals. Dr P.K. Jain delivered a lecture on National Mineral Policy 2019. Students and faculty of Polytechnic College have good interaction session with IBM officers and participated in the discussions enthusiastically.



Dr Bhagavan while giving introduction and Dr P.K. Jain while giving lecture



Lecture session

### 5.20.2 Bhuvisamvad by Nagpur Regional Office

On 23<sup>rd</sup> December Shri Abhay Agrawal, RCOM and Technical secretary along with the team of Nagpur regional office delivered a lecture on importance of online returns under Bhuvisamvad initiative at MOIL headquarters. Good number of officials from MOIL participated in this programme and interacted with IBM officers enthusiastically.





Shri Abhay Agarwal, RCOM, Nagpur Region delivering lecture on e-filing of online returns

### 5.20.3 Bhuvismamvad by MMPL& PP Hingna

As a part of Bhuvismamvad, a group of 25 Postgraduate students pursuing M. Sc (Geology) (final year) from Savitribai Phule Pune University, Department of Geology along with Professors Dr. Satish Sangole and Dr. Dhananjai Meshram, visited Pilot Plant and Laboratory on 15.01.2020 . The students were shown and made aware of the facilities on Mineral Characterization along with a demonstration on different instrumental techniques involved in Mineral Characterization. This was followed by visit to the Chemical Laboratory where different processes and instruments used in chemical Analysis were shown to the students.

Subsequently the students were taken to the Pilot Plant and Mineral beneficiation Laboratory and were provided first-hand information and were familiarised with the different techniques involved in Mineral Processing. The students were shown and made abreast with different instruments and equipment used in the lab for carrying out mineral separation. The students and the officers of Mineral

Processing Division participated in an interactive session where several queries were asked and answered. The students were visibly elated by their visit at IBM's Mineral Processing Laboratory & Pilot plant and expressed their satisfaction & appreciation.



#### **5.20.4 Bhuvismavvad by Ajmer Regional Office**

The Indian Bureau of Mines, Regional Office, Ajmer (Rajasthan) has organized interactive session for students/research scholars in mining department of College of Technology And Engineering (CTAE), Udaipur on 31.01.2020 under BHUVI SAMVAD Activity. A lecture on “Regulatory framework for mines-Acts & Rules, their interpretation/ Interdependency and Applicability” along with a PPT presentation was delivered by Shri B. L. Kotriwala, Regional Controller of Mines, Ajmer. During the session, he briefed about various rules and acts like MM(D&R) Amendment Act, 2015, MCDR, 2017, MCR, 2016, Mineral Auction Rules, 2015, Mineral (Evidence of Mineral Contents) Rules, 2015 etc. and also briefed about National Mineral Exploration Trust (NMET)& District Mineral Foundation (DMF). The session was accompanied by Sh. S. C. Jain, Professor & Head, Department of Mining Engineering, CTAE, Udaipur and other faculty members and around 40 students from mining discipline.



### 5.20.5 Bhuvismamvad by Chennai RO

The Indian Bureau of Mines, Regional Office, Chennai (Tamilnadu) two hour sessions under BHUVI SAMVAD were conducted at EXCEL Collage of Polytechnics at Sankari on 05-02-2020. In this programme, more than 300 students of 2<sup>nd</sup>&3<sup>rd</sup> year of Civil, mechanical & electrical stream students had been participated in BHUVISAMVAD Activity.

The program was started with Introductory to objective of BHUVI SAMVAD .The video on sustainable mining practices was shown to the students. Besides, and details of activities of Indian Bureau of Mines, charter functions/job/responsibilities were told to the students. An Exposure on the brief job opportunities in mining sector for student aspirants was also discussed. On the occasion, the Tamil translation was narrated by MR. S RAMESH -AGM OF M/s India Cements limited. The lecture was concluded with questionnaires from students and vote of thanks by Shri Srikant, HOD, Mechanical Engg. Dept.





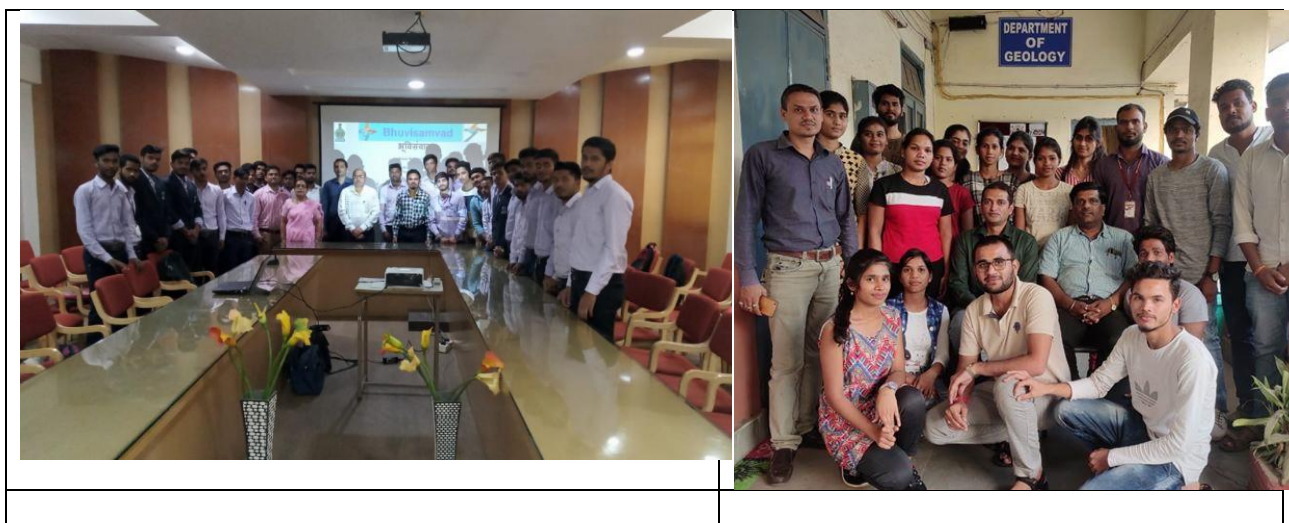
### **5.20.6Bhuvisamvad by Raipur RO**

As a part of BHUVISAMVAD across the technical/engineering institutions, colleges, polytechnics and university departments on pan India basis, IBM Raipur regional office has organized an interactive session on 05.03.2020 at Department of Geology, Govt. VYT PG Autonomous College, Durg, Chhattisgarh for post graduation students of Geology and their faculty members. Evolution of mining legislation in India, need for amendment, major provisions of MMDR Act, 1957 like DMF (District Mineral Foundation), NMET (National Mineral Exploration Trust), SDF (Sustainable Development Framework) and Stringent Provisions for Illegal Mining have been explained in this session.

A group of 25 students of M. Sc Geology 4th Semester and 02 faculty members participated in the programme. The objective behind conducting such interactive programmes under Bhuvisamvad is to generate awareness among the students on varied topics under geology/environment/mines & to provide a holistic picture on the Acts/Laws/Rules that govern these segments of national interest.

The programme commenced with the introductory presentation of Shri Rudra N Mishra, Senior Mining Geologist, IBM. Shri Mishra presented a succinct account of Indian Bureau of Mines — its role & function, organisational structure and the technical & regulatory role played by it in the Mining & Mineral domain of the country. In his lecture, Shri B.L.Gujar, RCOM, presented a compendious view on the salient features and current scenario of Indian Mineral auction process in which several topics, viz. types of Mineral concession; process of granting Mining lease; composite license; along with explanatory details of various terminologies/phrases used in the Auction process, namely, Value of estimated mineral resource, Reserve price, Net worth of applicant; E-auction, Bidding process, Upfront payment etc. were elaborately discussed.

The students were quite enthusiastic and had lively discussions with the resource person during the course of the interactive session. The programme concluded on a cheerful & positive note.



### **5.21 Annual Strategic Interaction Meeting (ASIM)**

In a bid to bring synergy and coordination between the Central and State Departments involved in mineral exploration and sustainable mineral development, the Ministry of Mines, Government of India initiated the Annual Strategic Interaction Meeting (ASIM) beginning April 2019. Dr. K. Rajeswara Rao, Additional Secretary (Mines) & Controller General (I/c), IBM conceived the idea of interactive meetings as part of appraisal to all the State Governments. The ASIM was organised between 15 and 30 April 2019 across various mineral rich States all over the country.

The idea was to promote interaction between State Governments and the different Central Government agencies involved in Geoscience, Exploration and Mineral Development programmes like GSI, IBM, MECL and related departments. The foremost of such meetings were held in States like Telangana, Andhra Pradesh, Jammu & Kashmir, Jharkhand, Mizoram.

In Telangana the ASIM was held at the office of Chief Secretary Shri S.K. Joshi in Hyderabad on 18 April 2019. Shri Joshi chaired the meeting, while Dr K. Rajeswara Rao was invited chief guest. In his introductory remark, Dr Rao opined that ASIM would help in proper coordination between different State and Central Departments involved in mineral exploration and development. The Mines Ministry shall extend support to Telangana State in exploration and extraction of limestone, manganese ore, iron ore and coal as per environmental norms, he said.

In his address, Chief Secretary S.K. Joshi said the Department of Mines & Geology should follow the model of Forest Department for expeditious grant of mineral concessions. The State Government was prepared to extend cooperation to Central agencies for the development of mineral sector in the State. Shri M Sridhar, Additional Director General, GSI, Southern Region and senior officials of GSI were present. Shri Shailendra Kumar, Regional Controller of Mines, IBM, represented the Bureau in the meeting. Similar meetings were held in Jharkhand, Mizoram, Andhra Pradesh and other states, where officers from IBM provided valuable inputs.

### **5.22Swachata Pakhawada**

Swachata Pakhawada has been organised from 16<sup>th</sup> November, 2019 to 30<sup>th</sup> November, 2019 at Head Quarter as well as at regional offices under Swachhata Action Plan 2019-20. Mine owners of various part of the nation also participated in this Swachata Pakhawada and arrange various programmes like Clean/Swachha Mine, Swachhta Massage dissemination through banners, posters etc, Massive tree plantation and shramdan. A consolidated report has also been sent to Ministry. More details are included in the chapter on Celebrations by IBM.

### **5.23COVID 19**

As per the directives from competent authority, IBM followed guidelines and initiated various steps towards containment of spread of COVID 19. IBM has advised all its officials to work from home with effect from 24.03.2020. However, as per the clarifications to central govt. guidelines received from time to time, field offices of IBM are functional with bare minimum strength in order to clear pending statutory requirements such as approval of mining plans to ensure uninterrupted supply of mineral commodities. Further, IBM has also published average sale prices of various minerals and metals up to December 2019 on ministry of mines website and the ASP of January, 2020 is also sent to the Ministry of Mines for its publication.

Employees of IBM have given consent for contribution of one day salary to PMNRF. Accordingly, IBM's contribution is Rs.17.11 lakh.

## 6.0 IBM Budget 2019-20

IBM had proposed Plan outlay of ₹ 154.85 crores for 2019-20. The IBM's proposed outlay was mainly for five ongoing schemes and establishments. During the Annual Plan 2019-20, Ministry had allocated ₹124.31 crores including ₹ 88.17 crores for Establishment. Expenditure up to March, 2020 is ₹ 96.21 crores including ₹ 82.12 crores under Establishment.

(Rupees in crore)

Head	B. E.	R.E	Expenditure (Up to March 2020)
Establishment	88.1700	83.19	82.12
IBM Activities	36.1400	25.92	14.0909
<b>Total</b>	<b>124.3100</b>	<b>109.11</b>	<b>96.2109</b>

## 6.1 SCHEME-WISE FINANCIAL PERFORMANCE OF IBM DURING 2019-20

(Rs. In crores)

Head	BE	Exp. Upto March, 2020	%
Establishment	88.17	82.1153	93.13
Sch.1	3.265	3.1142	95.38
Sch.2	2.135	1.9872	93.07
Sch.3	2.27	2.1591	95.11
Sch.4	1.56	1.3451	86.22
Sch.5	13.60	2.1284	15.65
Other Heads (SAP, Trg. OAE, TSP)	3.68	1.5673	42.58
Capital Outlay (MV, M&E, MWB)	6.02	0.7798	12.95
NER (Revenue)	1.12	1.0098	90.16
NER (Capital)	2.49	00	0
<b>Total</b>	<b>124.31</b>	<b>96.21</b>	<b>77.30</b>

**6.2 Audit paras:** Local Audit inspection paras: Up to 31<sup>st</sup> March 2020, compliance report in respect of 38 paras is awaited from HQ & Regional Offices.

Internal Inspection paras: up to 31<sup>st</sup> March 2020, compliance report in respect of 179 paras is awaited from HQ & regional offices.

### **6.3 CAG Audit Para**

As on March 2020, no CAG audit para is pending in respect to IBM.

## **7.0 Human Resources in IBM**

The Bureau has a total sanctioned strength of 1477 consisting of various disciplines as mining engineers, geologists, ore dressing, chemical, metallurgical engineers, mineral economists, statisticians, administrative officers and supporting staff.

### **7.1 Committee for Review and Restructuring of the Functions and Role of IBM**

Ministry of Mines had constituted a Committee vide its Resolution No. 16(27)/2009-M.VI dated 23-07-2009 for the Review and Re-structuring of the Functions and Roles of Indian Bureau of Mines (IBM) in terms of the policy directions given in the National Mineral Policy and the Mines and Minerals (Development and Regulation) Act and Rules framed there under.

2. The Committee submitted its Report to the Government of India on 4.5.2012 suggesting for overall restructuring of the IBM. It recommended the creation of 933 posts in addition to the existing strength of 1477. Ministry of Mines reviewed the recommendations of the Committee in the wake of significant changes in the legislative framework by the Government. Ministry optimized the proposal without considering increase in sanctioned strength. The proposal was examined in consultation with the Department of Expenditure, Ministry of Finance. The proposal was finalized with the creation, abolition and upgradation of posts under various disciplines of IBM keeping the expenditure revenue neutral by way of matching saving through surrender of 180 Group 'A' (level 10) alive posts of Geological Survey of India, an Attached Office of Ministry of Mines.

3. The Department of Expenditure accorded approval to the proposal and suggested that the posts to be surrendered will be done gradually as and when the incumbents retire on superannuation or otherwise or are promoted.

4. The Cabinet approval was also accorded in consonance with the Department of Expenditure instructions vide OMNo. 7(I)/E.Coord-I/2017 dated 12.04.2017 for creation/ upgradation/ abolition of posts of the level of Joint Secretary and above.

After the Cabinet approval, detailed discipline-wise, revised sanctioned strength of IBM, is notified vide Gazette Notification No. 31/72/2009-M.III.Vol.I (part-I) dated 15<sup>th</sup> May, 2018, published on 17.5.2018.

Consequent to gazette notification following actions have been initiated:

1. Office orders issued regarding re-designation pertaining to the post merged, merged & upgraded etc in accordance with the notification.
2. Internal committee has been constituted in IBM under the chairmanship of CCOM in charge for implementation of restructuring for deciding re-deployment of man power and amending codified duties in respect of employees of IBM.
3. The recruitment rules in respect of various disciplines had been uploaded in the IBM's website for inviting stakeholders' comments & then finalized after incorporating comments. Revised RRs for mining stream up to RCOM, geology, mineral economics, administration, library stream, Rajabhasha stream, private secretary & stenographers have been notified. Remaining RRs are at various stages of finalization at Ministry, UPSC & DOPT.
4. Proposals for DPC as per the existing RRs has been sent to Ministry for holding DPCs at UPSC/Ministry in respect of gazetted posts and DPC meetings were held at IBM to consider promotions to the group 'C' posts.
6. Remaining appointments through direct recruitment will be taken up immediately after notification of revised recruitment rules.

Consequent to gazette Notification, the Bureau has a total sanctioned strength of 1477 consisting of 704 Gazetted (Group A – 459 & B – 245) and 773 Non-Gazetted (Group B – 257, Group C -516) posts. Sanctioned and filled up strength as on 31.3.2020 is given in the below table.

#### **Employment of Personnel in IBM as on 31.3.2020**

Group	Sanctioned strength	Total No. of employees in position	Number of Personnel					
			SC	ST	OBC	Minorities	Women	Physically Handicapped
A	459	134	17	09	32	10	05	00
B	502	316	39	16	39	12	56	06
C	516	341	73	24	60	17	35	07
<b>Total</b>	<b>1,477</b>	<b>791</b>	<b>129</b>	<b>49</b>	<b>131</b>	<b>39</b>	<b>96</b>	<b>13</b>

## **7.2 Redressal of Public Grievances**

At the beginning of the year 7 grievance cases were pending at various stages. During the year 2019-20, 58 new grievance petitions were received. So far 53 cases have been disposed off including 07 grievance cases pending at the beginning of the year. Remaining 12 cases are under processing at various stages. Online facility for Registration of Public Grievances has already been provided by linking IBM website with the Grievance Portal of DoPT "PROGRAMS".

## **7.3 Vigilance cases**

**The** Vigilance Awareness Week was observed during the period from 28.10.2019 to 02.11.2019 in IBM HQ at Nagpur and in all zonal/regional offices of Indian Bureau of Mines as per directive of CVC. Several programs like essay writing, quiz, debate and special program on vigilance awareness were conducted during the weeklong event.

02 Schools in city limit were approached to organize essay debate and cartoon competition etc. on moral values, ethics and good governance's practices etc, the events were well received by the students.

During the year 2019-20, 17 complaints were received of which all the 15 were brought to their logical conclusion and appropriate action initiated as deemed fit after investigation. 02 complaints are still under investigation.

## **7.4 Gender Equality**

Women employees constitute about 12.12 percent of total strength of IBM. Training is imparted to women employees in the field of technical as well as administrative matters. A Committee has been constituted in IBM to redress the complaints made by the victims of sexual harassment at work place in a time bound manner.

## **7.5 RTI Applications**

Status of disposal of RTI Applications/1<sup>st</sup> Appeal/2<sup>nd</sup> Appeal is given in following tables:



**Table 7.5.1**

**RTI Application/Request Status (w. e. f. 1<sup>st</sup> April, 2019 to 31<sup>st</sup> Mar, 2020)**

Organization	No. of Cases					Pendency			
	Previous Pendency	No. of RTI Application / Request during the period	Disposal	Balance	Information denied u/s 8(1), 9, 11, 24 & others of RTI Act	0-3 months	4-6 months	7-9 months	10-12 months
IBM	12	471	477	6	31	6	-	-	-

Source: Information received from designated CPIO/AA of IBM.

**Annexure-B**

**Table 7.5.2**

**RTI I<sup>st</sup> Appeal Request Status (w. e. f. 1<sup>st</sup> April, 2019 to 31<sup>st</sup> Mar, 2020)**

Organization	No. of Cases					Pendency			
	Previous Pendency	No. of I <sup>st</sup> Appeal received during the period	Disposal	Balance	No. Appeal rejected/Inf. denied u/s	0-3 months	4-6 months	7-9 months	10-12 months
IBM	0	31	31	0	0	-	-	-	-

Source: Information received from designated CPIO/AA of IBM.

**Table 7.5.3**

**CIC 2<sup>nd</sup> Appeal Status (w. e. f. 1<sup>st</sup> April, 2019 to 31<sup>st</sup> March, 2020)**

Sl. No. Appeal Status (In CIC) 1 April, 2015 to 31 March, 2016					
Organization	No. of Cases				
	Previous Pendency	No. of 2 <sup>nd</sup> Appeals filed in CIC	Decided		Balance
			In favour of Appellant	In favour of Organization	
IBM	18*	Note: Current status are not available.			

\*: 8 cases pertaining to 2014-15, 09 cases pertaining to 2015-16 and 01 case pertaining to 2016-17. Source: Information received from designated CPIO/AA of IBM.

## 7.6 Reservation of Vacancies for persons with Disabilities

IBM is strictly following the various instructions of the Government issued from time to time regarding reservation of vacancies for PWD's in respect of Group 'A' and 'B' Gazetted posts. As on 31<sup>st</sup> March 2020, 13 physically handicapped persons were under employment in IBM.

## **7.7 Welfare activities for SC/ST, women, Minorities and PWD,s:**

Smt. Maya Chintaman Ivate, Hon'ble Member, National Commission for Scheduled Tribes having the Status of Secretary to the Govt of India, has officially visited Headquarters of Indian Bureau of Mines on 25.02.2020. The Hon'ble Member heard the common problems of ST employees and also personal problems. The Hon'ble Member was also briefed regarding sanctions strength, vis-a-vis, filled up strength in IBM and the ST employees in each group of IBM.

For Women: A committee under sexual harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 has been constituted in IBM to redress the complaints made by the victim of sexual harassment at work place in a time bound manner.

## **7.8 Pension Adalat**

Government of India as a part of its 100-day impactful initiatives had decided to hold a Nation-wide Pension Adalat in each Ministry/Department /Organisation. Accordingly, Indian Bureau of Mines had organised a Pension Adalat on 23rd August 2019. In addition, the Pension Adalats were also organised on the same day in various Regional/Zonal Offices and Regional Ore Dressing Laboratories of Bureau. The initiative was taken for prompt and quick redressal of Pensioner's grievances within the framework of extant policy guidelines.

Indian Bureau of Mines gave wide publicity in local newspapers for the necessary information to all pensioners'/family pensioners' to attend the Adalat on 23 August 2019 at IBM for settlement of their grievance related to pension or family pension.

Shri D.Kumara Swamy, Senior Administrative Officer, Smt S. Gadapayle, Pay & Accounts Officer, Shri N.Dahanga, Administrative Officer, Shri Sanjay Kumar Singh, Administrative Officer, Shri Bolisetty Sarat, Assistant Administrative Officer & Nodal Officer for the pension, various Drawing & Disbursing Officers of the Offices situated at Nagpur and UCO Bank Officers had participated in the Adalat for settlement of the pensioners' and family pensioners' grievances. The Pension Adalat brought together all the stakeholders on a single platform for immediate and quick redressal of grievances. During the Adalat 13 retired employees of the Bureau presented their grievances and most of them were settled instantly.



## 8.0 Indian Bureau of Mines: Celebration of events

### 8.1 Independence Day Celebration

The 73rd Independence Day was celebrated with much fanfare and zeal at IBM Headquarters and all its Zonal & Regional offices. Shri P.N. Sharma Chief Controller of Mines, In-charge, IBM hoisted the tricolour at the HQ Building in Nagpur, While the Zonal/Regional Heads of the zonal & regional offices led the officers and employees in the Celebrations.

Shri Sharma who hoisted the National Flag also shared the status of upcoming programmes and employee's related welfare schemes during his address. He called upon all employees to remain prepared to take up new challenges. Chief Controller of Mines, In-charge Shri Sharma, congratulated all on occasion of Independence Day and emphasized on bringing balance in day-to-day routine and discipline so as to perform efficiently.



### 8.2 Republic Day celebrated in IBM offices

A grand programme to celebrate the 71st Republic Day was organised at IBM's Headquarters in Nagpur on 26 January 2020. Amidst a huge assembly of IBM's officers, staff, guests and children, Smt. Indira Ravindran, Controller General (I/c), IBM, unfurled the Tricolour at 8.30 am to commence the day of celebrations which was followed by the singing of the National Anthem.

Speaking on the occasion, Smt. Indira Ravindran outlined the various happenings of IBM including that of the Restructuring of IBM and said all efforts are on for its complete implementation. Stressing on the importance of evoking the united spirit of being an IBM fellow. Smt. Ravindran urged all members of IBM family to work coherently towards building the status and upholding the reputation of IBM. Reflecting on the moment of being the first woman and Head of the Department to perform the honour of unfurling the National flag, Smt. Ravindran said it was a proud moment for her to cherish.

Recalling the contribution made by all the predecessors who worked tirelessly for IBM in the past, Smt. Ravindran said it was our beholden duty to build, expand and enable the growth of IBM to greater heights. The Controller General later exchanged pleasantries with the assembled guests. As part of the celebration, there were colourful floral decorations and the entire building of IBM Headquarters was beautifully lit.



### **8.3 IBM Foundation Day, Khanij Diwas**

#### **8.3.1 IBM Headquarters, Nagpur**

Indian Bureau of Mines in commemoration of its 73rd Foundation Day on 1st March 2020 observed the Day as Khanij Diwas. To mark the occasion a bunch of events was conducted and a grand function was organised at its Headquarters in Nagpur on 1st March 2020.

In an elaborately & colourfully decorated hall & the stage decked up with floral arrangements, the commemoration function commenced with the adorning of the dais by the Chief Guest of the occasion Dr. Vikas Mahatme, Hon'ble Member of Parliament (Rajya Sabha) and Dr. Anupam Agnihotri, Director, JNARDDC, Nagpur, as Guest of Honour. The Controller General (I/c), IBM, Smt. Indira Ravindran under whose Presidentship the Khanij Diwas Celebrations was observed along with Shri P.N. Sharma, Chief Controller of Mines (I/c) also accompanied the Guests on the dais.

Addressing the audience, the Chief Guest & Honourable Member of Parliament (Rajya Sabha), Dr. Vikas Mahatme, congratulated IBM for putting behind 72 years of exemplary service and for its transformation into a Premier Organisation of Govt of India that controls & regulates mines & mineral development activities in the country. Stressing upon mine & minerals as backbone that is crucial for economic prosperity of the country, Dr. Mahatme complimented IBM for serving the Nation's cause by its efficient management of the country's mineral wealth. Extending best wishes on IBM's Foundation Day, Dr. Mahatme said there must be harmony between man & nature and endeavours to preserve the nature & environment must be a priority while expanding & diversifying the horizons in the field of mining.

Speaking on the occasion, Dr. Anupam Agnihotri, Director, JNARDDC, Nagpur, showered praise on IBM for its 73rd Foundation Day and laid emphasis on synergies that are must between various entities in the field of mining & mineral development. Focussing on Industrial Revolution 4.0, Dr. Agnihotri outlined the need for concentrating on 4Cs — Change, Creative, Courage & Connect— for IBM to grow and play a sustainable role in the domain of Mining & Mineral Development. Highlighting that Mining Society has a tremendous responsibility towards building of social & environmental framework, Dr. Agnihotri foresaw greater expansion & diversification of IBM in the future to come.

Delivering the Presidential address, Smt. Indira Ravindran, Controller General (I/c), IBM, described the day as momentous one that signifies IBM's status as the country's foremost organisation of excellence. She spoke on the forays made by IBM in various technological fronts in its endeavour to efficiently govern the mining & mineral development activities in the country. Smt. Ravindran extended greeting on behalf of IBM to all the assembled dignitaries, ex-colleagues and serving members of IBM family.



In his brief introductory address, Shri P.N. Sharma, Chief Controller of Mines (I/c), IBM, welcomed the distinguished dignitaries, ex-colleagues & guests and provided a gist of IBM's growth trajectory from its inception to the present.

Earlier the programme commenced with lighting of traditional lamp, singing of devotional song, introduction of the Chief Guest & Guest of Honour, felicitation of the dignitaries and reading out of our Fundamental Duties by Dr. Y.G. Kale, Regional Controller of Mines & Head of Office. The function concluded with the vote of thanks proposed by Shri Abhay Agarwal, Technical Secretary, IBM. A musical concert marked the occasion into a celebratory fest.



### 8.3.2 RO Gandhinagar

IBM foundation day (Khanij Divas) was celebrated with great enthusiasm at office premises with active participation of IBM, Staff and officers and representative of GSI, DGMS, Gujarat Mineral industry, technical persons, students from MG Science College, Ahmedabad.

Shri N.V.Nitnavare, Dy. DG,GSI was the Chief Guest. Shri Mohammad Rafiq, Director of Mine safety, Gujarat & Shri P.N. Rao, President, GUJMIN were the

Guests of Honour. Shri K.S. Yadav, Regional Controller of Mines, Gandhinagar presided over the function. Following technical presentations were also delivered during the function.

01. Digitization and E-Governance in Mining Sector by Shri Pallav Bagala, (Manager, Mining & Mineral) PWC
02. Application of GIS & AI and remote sensing in Mining Sector by Smt. Paru Thakkar, Map- touch Solution, Gandhinagar, Gujarat
03. Application of Drone Surveying in mining by Shri Deepak Gour, Mining Engineer



### 8.3.3 RO Ranchi

IBM's Foundation Day as "Khanij Diwas" was celebrated at Regional Office Ranchi on 1st March 2020. Shri S.Tiu, CCOM(Retd.) was invited as Chief Guest for the function. A technical session was also organised during this occasion. All officers and staff of Ranchi Regional Office wholeheartedly participated in this celebration.





#### **8.4 28th All India IBM Sports Meet**

IBM organised its 28th All India Sports Meet under the aegis of Regional Office, Gandhinagar between 12 and 14 February 2020. The Inaugural Ceremony of the Meet was ennobled with the gracious presence of Shri Arun Kumar Solanki (IAS), Managing Director, Gujarat Mineral Development Corporation Ltd and Commissioner, Geology & Mining Department, Government of Gujarat, as Chief Guest and Shri N.V. Nitnaware, Deputy Director General, Geological Survey of India, Gandhinagar, as Guest of Honour. Dr Y.G. Kale, Regional Controller of Mines and Head of Office, IBM, presided over the function. Organised under the superintendence of Shri Kedar Singh Yadav, Regional Controller of Mines, who was also the Organizing Secretary, the 3-day Sports Meet commenced on a spirited note with a combination of several activities that included lighting of traditional lamp, hoisting of flag, March-past, oath taking etc. Shri G. Ram, Senior Assistant Controller of Mines, was the Chief Coordinator of the Sports Event.

Hosted at Sports Authority of India, Sector 15, Gandhinagar, the three-day Event that commenced on 12.02.2020 witnessed active participation of athletes from all the Zonal-cum-Regional Offices of IBM, viz. Nagpur, Guwahati, Ranchi, Raipur, Goa, Udaipur, Bhubaneswar, Dehradun, Bengaluru, Delhi, Kolkata, Ajmer, Jabalpur and Hyderabad.

The officers and staff of IBM who constituted an envious batch of sportspersons displayed their athleticism, sportsman spirit and enthusiasm during the course of the Event. Sports & Track events, namely, 100 m dash, 400 m & 1500 m race, 4 x 100 m relay, 80 m race (Divyang), 2 km walk, discus throw, shot put throw, javelin throw, long jump, table tennis, badminton, carrom, chess and volleyball were part of the 3-day Sports Meet.

The Concluding Day function was held on 14/02/2020 at 7.00 pm at Sant Shri Rohitas Smriti Mandir, Gandhinagar. Smt. Indira Ravindran, Controller General (I/C), Indian Bureau of Mines, graced the occasion as Chief Guest and Dr. Y.G. Kale, Regional Controller of Mines & HOO, IBM, was the Guest of Honour. Showering praise on all the winning participants, Smt. Ravindran spoke on the enthusiasm showed by IBM personnel in organising the All India IBM Sports Meet. Dr Kale also spoke on the occasion. During the function, Smt. Ravindran honoured the winning participants by presenting awards and certificates. Earlier the programme commenced with the opening address of Shri K.S.

Yadav, Regional Controller of Mines and Shri Anil Khapre, Assistant Drawing Officer & General Secretary, Indian Bureau of Mines Recreation Club. The programme also included colourful cultural activities. Shri G. Ram, Senior Assistant Controller of Mines & Chief Coordinator and Shri D.D. Bhardwaj conducted the programme successfully with great éclat.



## 8.5 International Yoga Day

The Indian Bureau of Mines celebrated the 5<sup>th</sup> International Yoga Day at the IBM Headquarters in Nagpur and Regional and Zonal offices on 21 June, 2019. The main event was held at the IBM HQ where the officers and staff actively participated in a mass Yoga demonstration event.

Shri V.K. Saxena, Senior Library & Information Assistant (SLIA), who is also a qualified Yoga instructor, guided the programme based on the Common Yoga Protocol for such demonstration. The participants, on the instructions of Shri Saxena performed various yogic postures at the event organised at the premises of IBM HQs. The Mineral Processing Division also conducted the

event at its Modern Mineral Processing Laboratory & Pilot Plant at MIDC, Hingna, where officers and staff of MP Division took part.

### **Ajmer**

At Ajmer office, two Yoga scholars from MDS University, Ajmer taught and demonstrated the Aasanas to the participants. Vedic prayers were recited before and after the programme.

S/Shri B.L. Kotriwala, RCOM, Basavaraj Karadkal, SO(OD), addressed the officials on the importance of Yoga. Shri P. Nagarajan, Administrative Officer conducted the event. Shri Khan, SMG, proposed vote of thanks.

### **Goa**

The Yoga Day was celebrated at the IBM's Goa Regional office, Fatorda, Margao with zeal and enthusiasm. Smt. Kamal Fulari, Chief, Patanjali Mahila Yogapeeth was the chief guest. Shri Prem Prakash, Deputy Controller of Mines presided. Shri G.S. Kannan, JMG welcomed the guests and welcomed the chief guests presenting a sapling.

In her address, Smt. Fulari emphasised on the basic principles of Yoga and importance of Yoga in day-to-day life. Her disciples Smt. Kanchan Lotlikar and Shri Rohan Lotlikar demonstrated the yogic postures which the officers and staff of IBM Goa office imitated. Shri Bharat Kumar Sharma, Stenographer, offered vote of thanks. Shri Bharat Anant Zambauliker conducted the programme.

Similarly, all the Zonal and Regional offices of IBM also hosted to the Yoga Day programme. The events were held across Bengaluru, Gandhinagar, Raipur, Hyderabad, Kolkata, Dehra Dun and Ranchi offices of IBM where Yoga demonstration event was conducted early morning.



IBM HQ



MMPL & P P Hingana



	
Ajmer RO	Gandhinagar RO
	
Goa RO	Raipur RO
	 <small>अंतर्राष्ट्रीय योगा दिवस देहरादून कार्यालय 21.6.2019</small>
Ranchi RO	Dehradun RO

## 8.6 World Environment Day celebrated

The offices of Indian Bureau of Mines celebrated the World Environment Day on 5 June 2019, organising various programmes to sensitise the officials on need for Sustainable Development and Environment protection. The events were based on the theme, “Air Pollution and Reducing Air Pollution”.

At IBM Headquarters in Nagpur, the Mineral Processing Division hosted a lecture event at the Mineral Processing Laboratory and Pilot Plant. Dr (Smt.) Sandhya M. Lal, CODO, MP Division spoke on the occasion and stressed the

need for reducing air pollution by planting more trees. Few saplings were planted at the premises of the Pilot plant and the officials were also distributed saplings on the occasion.

### **Guwahati**

The Regional office of IBM in Guwahati conducted various programmes to mark the Environment Day. Shri P.K. Bhattacharjee, Regional Controller of Mines gave a lecture on measures to reduce air pollution in mines. A slogan competition was organised for the employees. The slogan, "Protect trees, if you want to breathe" written by Shri Sujit Sharma, Stenographer was adjudged the best. Shri Vikash Kumar, UDC, gave a short lecture on air pollution due to traffic congestion in cities and means to reduce it.

### **Kolkata**

The officials of the IBM Kolkata office assembled at the Conference hall to celebrate the World Environment Day. Shri S. Roy, AME, chaired the programme during which all the officials presented their views on reducing the air pollution.

### **Udaipur**

The Udaipur office of IBM organised a Workshop to mark the Environment Day. Shri K.K. Tardia, Deputy Controller of Mines presided the programme. He called upon the employees to be aware of the ill effects of environmental pollution and initiate positive steps to contribute for the betterment of the environment. The theme of the Workshop was based on Air Pollution and all the participants expressed their views on ways and means to reduce air pollution.

S/Shri Pankaj Kulshreshta, AME, Dilip Pawar, Stenographer, Lalit Kumar Nagda, and others were present. The participants took oath for the protection and conservation of environment. Similar programmes were organised in Ajmer, Dehra Dun and Hyderabad Regional offices.

	
Hyderabad RO	MMPL & PP Hingana
	
Bengaluru RO	Ranchi RO
	
Udaipur RO	

## 8.7 Rashtriya Ekta Diwas

Pledge taking ceremony on the occasion of Rashtriya Ekta Diwas at Modern Mineral Processing Laboratory & Pilot Plant, Indian Bureau of Mines, Nagpur on 31 October 2019.

Vigilance Awareness Week 2019 was observed at RO, IBM, Guwahati from 28 October 2019 to 1 November 2019. All the Officers and Staff took the Integrity Pledge at the CVC website. Inaugural speech was given by Shri P.K.Bhattacharjee, RCOM on 28 October 2019. RCOM shared his views on the

theme “Integrity – A way of life” and advised all officers & staff to do their duties honestly. The office organized a debate on the topic “Integrity – A way of life” for officials. The Regional Office organized competitions at “Sarvajanik Hindi High School, Bamunimaidam, Guwahati” and Optimistic College of Education.

The 2019 Vigilance Awareness Week was observed in the Goa Regional office from 28 October to 2 November 2019 with the theme "Integrity- A way of life". The purpose of organising such event is to generate awareness in the public at large about the ill effects of corruption. The event was organised on 28th October 2019 which commenced with lightening the traditional lamp followed by administering of the Pledge bilingually by the chairman of the function Shri Suresh Prasad, Deputy Controller of Mines. Shri Prasad expressed his opinion about the bad effects of corruption.

During the observance of Vigilance Awareness Week, National Unity Day was celebrated on 31st October 2019. During the week, special efforts were made to organise internal and outreach activities in a number of schools and colleges to sensitise the youth. The closing and prize distribution ceremony was organised on 1st November 2019.

The Chief Guest of the closing ceremony, Shri K. Kumar, Transport Officer, ONGC, Goa recited poems on corruption. Vote of thanks was given by Shri Prem Prakash, Deputy Controller of Mines and the programme was conducted by Shri R. C. Mahato, Hindi Translator.

Regional Office, Hyderabad has celebrated Vigilance Awareness Week from 28<sup>th</sup> October, 2019 to 2<sup>nd</sup> November, 2019. In the opening ceremony of the week, officers and staff of the regional office read the message as received from Vigilance Commission, Govt. of India, New Delhi on subject matter. A seminar was also organized on Vigilance and Awareness on 29<sup>th</sup> October, 2019 under the supervision of Shri Manish K. Mendiratta, RCOM, Hyderabad. An Essay writing competition conducted on ‘Imandari Ek Jivanshaily’ among the officials of the office and the children of nearby school on 30<sup>th</sup> October, 2019. On the occasion of final day function of the Vigilance and Awareness Week held on 1<sup>st</sup> November, 2019, winners of the Essay Writing competition of the office officials as well as children of the school were awarded.



	
IBM HQ	MMPL & PP Hingana
	
Hyderabad RO	
	

## 8.8Constitution Day

Indian Bureau of Mines celebrated 70th Constitution Day at its HQ on 26 November 2019 to commemorate the adoption of Constitution of India. The



programme was organised in tune with the directives of the Government under the presidentship of Mrs Indira Ravindran, Director, MP Division.

Advocate Swapnajit Shyamal Kanti Sanyal, Bombay High court, Nagpur Bench was the Chief Guest on the occasion. The programme started by garlanding the portrait of Dr Babasaheb Ambedkar and lighting the traditional lamp followed by the recital of Preamble both in Hindi and English.

The Chief Guest Adv Sanyal enlightened the audience by his erudite speech on the topic “Vision for India through Constitution of India – Role played by Dr Babasaheb Ambedkar”. He also explained the essence of the preamble of the Constitution and thread of Unity and integrity of this country flowing through the Constitution.

Shri S.K.Adhikari, CMG, Shri D.W.Beck, Supdt. Mineral Economist (Int.) & President of Dr Babasaheb Ambedkar Smruti Samiti, and Shri V.M.Rotke, Secretary spoke on this occasion.

In her presidential speech, Mrs. Indira Ravindran spoke about constitutional values and its significance as envisaged in the constitution of India.

	
	<p>Observance of Constitution Day in IBM HQ, Nagpur</p>

## **8.9 Women's Day celebration**

A special program was organized on the occasion of international women's day at the IBM, HQ, on 12th March, 2020 in two sessions with active participation of all women employees.

Former Mayor Mrs. Nanda Jichkar was invited to the first session of the session. Controller General, IBM presided over the session.

Mrs. Jichkar while sharing experience in her tenure as mayor of Nagpur, highlighted the different aspects of women power. Explaining role of women in preventing pollution with simple example of wet & dry garbage at home, She stressed on the most important responsibility for preserving the coming generation. The program was conducted by Mrs. Dipti Chaurasia.

In the second session, the city's famous spiritual consultant and motivational speaker Dr. Sapna Sharma was invited as chief guest. While the special guest of the program was the founder and director of the prayōgavana organization, Mrs. Tripti Patil. The program was presided over by Mrs. Indira Ravindrana and Dr. Sandhya Lal, chairperson of the organizing committee was also present on the stage.

Ms. Pratibha Sharma recited Saraswati Vandana on the occasion and the dignitaries paid homage to Mrs. Savitribai Jyotiba Phule, the pioneer of women education. After the welcome of guests, the Constitutional Duties was read by Dr. Jyoti Shrivastava. Mrs. Dr. Sandhya Lal in her welcome speech asked the women employees to be strong & realise their powers.

Chief Guest Dr. Sapna Sharma presented a different perspective on woman-man equality in her speech. She shared her experience as counsellor and gave some valuable tips on marital relationships.

Special guest Mrs. Tripti Patil highlighted the journey of a woman from the puranic period to the modern era. Smt. Indira Ravindrana, who adorned the highest post of IBM, as Controller General, in her presidential address, said that the thinking of men has changed today and they are encouraging women to come forward and thereby paving the way for gender equality.

The women employees retiring in the year 2020 were felicitated during the program. Mrs. Vimal Temburne, who won the best Sports Women's title in the

annual sports competition, was also felicitated. In the program, the better half of senior officers were also invited specially.



### 8.10 Dr Babasaheb Ambedkar Jayanti

The 128<sup>th</sup> birth anniversary of Dr Babasaheb Ambedkar was organised under the aegis of Dr. Babasaheb Ambedkar Samiti on 26 June, 2019 at IBM Headquarters in Nagpur. Dr B.K. Updadhayay, Commissioner of Police, Nagpur was the chief guest. Dr Gautam Kamble, Head & Associate Professor, Department of Economics, Dr Ambedkar College was the guest of honour.

Smt. Indira Ravindran, Director (Ore Dressing), MP Division presided over the programme, while Shri P.N. Sharma, CCOM In-charge was present. The programme commenced with the garlanding of portrait of Dr Ambedkar at the conference hall and lighting the traditional lamp. Dr Gautam Kamble spoke of the greatness and vision of Dr Babasaheb B.R. Ambedkar. Dr Gautam Kamble also delivered a talk on Dr Babasaheb Ambedkar and Constitution of India. Smt Indira Ravindran and Shri P.N. Sharma also spoke on the occasion.

Shri Ashok Patel & his troupe rendered Bheem Geet. Shri A.A. Gawai, then Assistant Editor, compered. Shri Nilesh Mahatme proposed vote of thanks which was followed by National Anthem. S/Shri D.W. Beck, President of the Samiti, V.M. Rotke, Secretary were present.



### 8.11 शिवाजी जयंती का आयोजन

प्रतिवर्षानुसार इस वर्ष भी श्री छत्रपती शिवाजी महाराज जयंती उत्सव समिति की ओर से 26 फरवरी 2019 को भारतीय खान ब्यूरो, मुख्यालय में श्री छत्रपती शिवाजी महाराज जयंती का आयोजन किया गया.

इस अवसर पर भारतीय युवा मोर्चा की अध्यक्ष श्रीमती शिवानी दाणी को मुख्य अतिथि के तौर पर आमंत्रित किया गया था. कार्यक्रम की अध्यक्षता भारतीय खान ब्यूरो की महानियंत्रक (प्रभारी) श्रीमती इंदिरा रविंद्रन ने की. मंच पर समिति के अध्यक्ष श्री पराग ताडलिंबेकर तथा सचिव श्रीमती धनश्री वैरागडे उपस्थित थीं.

अपने संबोधन में श्रीमती दाणी ने शिवाजी महाराज के जीवनकार्यों पर प्रकाश डाला. उन्होंने बताया कि किस तरह श्री छत्रपती को उनकी मां जीजाऊ ने बचपन से ही स्वराज्य स्थापना के लिए प्रेरित किया. श्रीमती दाणी ने शिवाजी महाराज की युद्ध नीति का भी बखूबी वर्णन किया. उनकी प्रखर वाणी ने श्रोताओं में जोश भर दिया.

इससे पूर्व कार्यक्रम की शुरुआत छत्रपती शिवाजी महाराज के तैलचित्र पर माल्यार्पण कर हुई. तत्पश्चात स्वरांगण समूह द्वारा सुमधुर स्वागत गीत की प्रस्तुती की गई. श्रीमती वैरागडे ने सचिव रिपोर्ट तथा श्री ताडलिंबेकर ने कार्यक्रम की प्रस्तावना रखी.

अपने अध्यक्षीय संबोधन में श्रीमती रविंद्रन ने समिति द्वारा हर वर्ष मनाई जा रही शिवाजी जयंती की सरहाना की. साथ ही शिवाजी महाराज के जीवन कार्यों से प्रेरणा लेने की अपील की. मुख्य अतिथि का परिचय श्री नीलेश महात्मे ने तथा कार्यक्रम का कुशल संचालन श्री विनय सक्सेना ने किया. समारोह का समापन श्रीमती दीप्ती चौरसीया के धन्यवाद ज्ञापन से हुआ.





### 8.12 Swachhta Awareness fortnight held in IBM

Indian Bureau of Mines observed the Swachhta Pakhwara during 16-31 October, 2018 at the Headquarters in Nagpur and at the Zonal/Regional as well as sub regional offices and Ore Dressing labs in Nagpur, Ajmer and Bengaluru.

स्वच्छता पखवाड़ा 2019 : भारतीय खान ब्यूरो में 16 नवंबर से 30 नवंबर 2019 के दौरान स्वच्छता पखवाड़ा मनाया जा रहा है. जिसके तहत विभिन्न गतिविधियां ब्यूरो में आयोजित की जा रही हैं. पखवाड़े के दौरान ब्यूरो मुख्यालय के बागीचे में वृक्षारोपण किया गया. जिसमें बड़ी संख्या में अधिकारी एवं कर्मचारी उपस्थित थे. साथ ही क्षेत्रीय कार्यालय द्वारा महात्मा ज्योतिबा फुले विद्यालय, खैरी बिजेवाड़ा में स्वच्छता पखवाड़े पर पोस्टर-ड्राईंग प्रतियोगिता का भी आयोजन किया गया था. जिसे ब्यूरो परिसर में प्रदर्शित किया गया है. जिसे सभी अधिकारियों/कर्मचारियों ने सराहा.



Ranchi Regional Office : IBM officials visited Govt. Middle School, Ashok Nagar, Ranchi during the Swachhata Pakhwada. Children were apprised of the value of Swachhata and the importance of cleanliness both at school and home by Shri Anupam Nandi, RCOM. During the programme hygienic kits were distributed among the students.



रांची क्षेत्रीय कार्यालय में 16 नवंबर 2019 से 30 नवंबर 2019 के दौरान मनाए जा रहे स्वच्छता पखवाड़ा से संबंधित छायाचित्र

## **9.0 IBM Participation in Mining Sector events**

### **9.1 Mining Mazma 2019**

IBM put up a stall at Mining Mazma 2019 event organised by FIMI at Bangalore during 12<sup>th</sup> Sep. 2019 to 14<sup>th</sup> Sep. 2019. IBM showcased its achievements and new initiatives towards mine regulation in this forum. Senior officers from IBM have participated as official delegates in the event.

Hon'ble Union Minister of Parliamentary Affairs, Coal and Mines, Shri Pralhad Joshi inaugurated the stall of Indian Bureau of Mines in MINING MAZMA 2019 at International Exhibition Centre (BIEC) Bengaluru. Shri Joshi also inaugurated Mining, Exploration Convention & Trade Show, Mining Mazma 2019. Hon'ble Minister of Mines & Geology, Government of Karnataka, Shri C C Patil was also present.

This three-day event on “Mining, Exploration Convention & Trade Show” is organised to attract investment and technology. It provides a unique opportunity for various stakeholders involved in the mining value chain – policymakers, exploration agencies, mining companies, regulatory agencies, technologists, economists, investors including foreign companies – for intense deliberations and discussions. The convention is sponsored by Ministry of Mines.

Dr N K Singh, Joint Secretary, Ministry of Mines, Government of India also visited the IBM stall. Chief Controller of Mines (In-charge) Shri P. N. Sharma, SO(OD) Dr V A J Aruna & other officials were present during the event.





## 9.2 Workshop on utilisation of Red Mud

In a bid to put to use Aluminum production residue, commonly known as 'Red Mud', the Ministry of Mines in association with the Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC) organised an Interactive Workshop called 'Waste to Wealth' in New Delhi. Shri Anil G. Mukim, Secretary (Mines) was the chief guest, while Dr K. Rajeswara Rao, Additional Secretary (Mines) and Controller General (I/c), IBM presided.



In his address, Shri Anil Mukim asked the stakeholders to work in synergy to find a lasting solution for productive utilisation of red mud. He interacted with the participants and called upon for a coordinated effort to undertake a productive utilisation of Red Mud. The Workshop discussed the status regarding the generation of Red Mud and its safe disposal and utilisation with necessary government support.

The delegates who attended the Workshop included representatives from Ministry of Environment, Forest and Climate Change, CPCB, Odisha State Pollution Control Board, BARC, Indian Bureau of Mines, Ministry of Road Transport, NHAI and BIS, Engineer-in-Chief of Army, top executives from all three primary aluminium producing companies i.e. NALCO, Vedanta and Hindalco and from user industries like cement and ceramic.

Red Mud is a solid waste generated during the aluminium production process. This is an environmental concern due to presence of impurities such as caustic soda and other minerals. Global generation of red mud is about 150 million tonnes and that of India is 9 million tonnes per year. Based on the deliberations, a roadmap is being prepared for effective utilisation of red mud.

### **9.3 Symposium on “Resource Efficiency in Aluminum**

Dr P.K. Jain, Chief Mineral Economist, IBM participated in a Symposium on “Resource Efficiency in Aluminum” organised as part of the 30<sup>th</sup> Foundation day programme of JNARDDC in Nagpur on 29 April 2019. He was among one of the panellists for a panel discussion held during the seminar.

### **9.4 8<sup>th</sup> Asian Mining Congress**

The Mining Geological and Metallurgical Institute of India (MGMI) is organizing the 8<sup>th</sup> Asian Mining Congress during November 6-9, 2019 at Kolkata. Controller General, IBM, has co-authored a keynote paper on “Conservation of Mineral Resources for Sustainable Growth” for presentation as well as publication in the proceedings of the 8<sup>th</sup> Asian Mining Congress.

## 10.0 Work related to Hindi

### हिंदी का प्रगामी प्रयोग

भारतीय खान ब्यूरो अपने मुख्यालय तथा सभी अधीनस्थ कार्यालयों में भारत सरकार की राजभाषा नीति को प्रभावी ढंग से कार्यान्वित कर रहा है। भारतीय खान ब्यूरो का मुख्यालय नागपुरमहाराष्ट्र में है जो 'ख' क्षेत्र में स्थित है। अधीनस्थ कार्यालय 06 'क' क्षेत्र में, अधीनस्थ कार्यालय 01 'ख' क्षेत्र में तथा शेष अधीनस्थ कार्यालय 08 'ग' क्षेत्र में स्थित है। भारतीय खान ब्यूरो के सभी अधीनस्थ कार्यालयों ने राजभाषा विभाग के वार्षिक कार्यक्रम उल्लिखित लक्ष्यों को प्राप्ति कर लिया है। वर्ष 2019-20 के दौरान हिंदी कार्यान्वयन से संबंधित प्रगति का विवरण निम्न प्रकार है:

### 10.1 हिंदी कार्यशाला

#### 10.1.1 मुख्यालय में हिंदी कार्यशाला का आयोजन:

10.1.1.1 भारत सरकार की राजभाषा नीति के कार्यान्वयन एवं हिंदी के प्रचार - प्रसार व प्रगति के उद्देश्य को ध्यान में रखते हुए भारतीय खान ब्यूरो, मुख्यालय, नागपुर में 11 जून, 2019 को अधिकारियों एवं कर्मचारियों हेतु एक पूर्ण दिवसीय हिंदी कार्यशाला का आयोजन किया गया। हिंदी कार्यशाला में कुल 20 अधिकारियों एवं कर्मचारियों ने भाग लिया।

हिंदी कार्यशाला में भारतीय खान ब्यूरो कार्यालय के व्याख्याताओं ने अलग - अलग विषयों पर अपने व्याख्यान दिए। इसमें भारतीय खान ब्यूरो के डॉ. पी. के. जैन, राजभाषा अधिकारी ने राजभाषा नीति एवं वार्षिक कार्य योजना, श्री ए. के. सिंह, मुख्य संपादक ने पत्राचार एवं पारिभाषिक शब्दावली, श्री असीम कुमार, हिंदी अनुवादक ने टिप्पण आलेखन एवं तिमाही रिपोर्ट तथा श्री डी. के. स्वामी, वरिष्ठ प्रशासनिक अधिकारी ने लेखा एवं प्रशासनिक कार्यों में हिंदी का प्रयोग आदि विषयों पर अपने व्याख्यान दिए।

10.1.1.2 भारतीय खान ब्यूरो, मुख्यालय, नागपुर में हिंदी पखवाड़ा की अवधि में 16 सितंबर 2019 को अधिकारियों एवं कर्मचारियों हेतु एक विशेष अर्द्ध दिवसीय हिंदी कार्यशाला का आयोजन किया गया। इस हिंदी कार्यशाला में भारतीय खान ब्यूरो, मुख्यालय, नागपुर के विभिन्न विभागों के कुल 43 अधिकारियों एवं कर्मचारियों ने उत्साहपूर्वक भाग लिया।

हिंदी कार्यशाला में भारतीय खान ब्यूरो कार्यालय के श्री असीम कुमार, हिंदी अनुवादक ने राजभाषा नीति एवं भाषा आदि विषयों पर व्याख्यान दिया। अपने व्याख्यान में श्री असीम कुमार ने भारत सरकार की राजभाषा नीति एवं अधिनियम की विस्तृत जानकारी दी तथा हिंदी में कार्य करने के आसान व सरल तरीके बताते हुए भारतीय संविधान में हिंदी के प्रावधानों की जानकारी दी। यह कार्यशाला सभी अधिकारियों एवं कर्मचारियों के लिए

आयोजित की गई थी। कार्यशाला में सभी प्रतिभागियों ने अपनी विशेष रुचि दिखाते हुए अपनी प्रश्नों का निवारण किया।

10.1.1.3 भारतीय खान ब्यूरो मुख्यालय में 17 मार्च 2020 को अधिकारियों एवं कर्मचारियों हेतु एक पूर्णदिवसीय हिंदी कार्यशाला का आयोजन किया गया।

अपने व्याख्यान में डॉ. जैन .के .पी ., मुख्य खनिज अर्थशास्त्री एवं राजभाषा अधिकारी ने राजभाषा नीति, वार्षिक कार्य योजना, हिंदी कार्यशाला के उद्देश्य और महत्व पर प्रकाश डाला।

श्री दिनेश कुमार, प्रशासन अधिकारी ने प्रशासन, प्रशासनिक एवं स्थानीय प्रशासन आदि शब्दों के भेद को बताते हुए प्रशासन के कार्यों की विस्तृत जानकारी दी तथा प्रशासन की भूमिका, उसके कार्यों एवं कार्यालय की प्रणाली आदि को विस्तार से समझाते हुए कार्यालय के दैनंदिन कार्यकी भी जानकारी दी। श्री असीम कुमार., कनि अनुवाद अधिकारी ने तिमाही रिपोर्ट.

भरते समय बरती जाने वाली सावधानी की जानकारी देते हुए इसके प्रारूपण से प्रतिभागियों को अवगत कराया।

कार्यशाला में सभी प्रतिभागियों ने अपनी विशेष रुचि दिखाते हुए व्याख्याताओं से अपनी समस्याओं का निवारण किया। उक्त कार्यशाला में कुल 26 अधिकारियों कर्मचारियों ने भाग लिया।

### 10.1.2 बेंगलुरु कार्यालय

भारतीय खान ब्यूरो के बेंगलुरु आंचलिक कार्यालय, क्षेत्रीय कार्यालय एवं क्षेत्रीय खनिज प्रसंस्करण प्रयोगशाला द्वारा सम्मिलित रूप से 12 जून 2019 को एक पूर्ण दिवसीय हिंदी कार्यशाला का आयोजन किया गया। कार्यशाला का उद्घाटन खान नियंत्रक श्री जे.आर.चौधरी के करकमलों से हुआ।

एक दिवसीय हिंदी कार्यशाला में कार्यालय से 12 प्रशिक्षणार्थियों को हिंदी में कार्य करने का प्रशिक्षण दिया गया। कार्यशाला में दो व्याख्यान राजभाषा संबंधी तथा दो व्याख्यान तकनीकी विषयों पर रखे गए थे।

सहायक खनन अभियंता श्री अश्वनी कुमार ने सामान्य कार्यालयीन तकनीकी कार्य हिंदी में किए जाने पर व्याख्यान दिया, हिंदी अनुवादक श्री आशीष घोषाल ने हिंदी में सामान्य पत्राचार, टिप्पण एवं आलेखन तथा अंग्रेजी से सरल हिंदी में अनुवाद का अभ्यास कराया।

वरिष्ठ खनन भूविज्ञानी डॉ. ओमकेश मूर्ति ने ब्यूरो के पुनर्गठन पश्चात ब्यूरो की भूमिका एवं चुनौतियों पर व्याख्यान दिया।

#### 10.1.3.1 गोवा में एक दिवसीय राजभाषा हिंदी कार्यशाला का आयोजन :

गोवा क्षेत्रीय कार्यालय में एक दिवसीय राजभाषा हिंदी कार्यशाला का भव्य आयोजन किया गया। इस कार्यशाला में कार्यालयीन उपयोग से संबंधित पांच पाठ आयोजित किए गए , जिसमें तीन अधिकारियों और आठ कर्मचारियों को प्रशिक्षण प्रदान किया

हिंदी टिप्पण व आलेखन तथा पत्राचार पर संकाय के रूप में डॉ. एस. बी. प्रभु देसाई , महा प्रबंधक, राजभाषा (से. नि.) , गोवा शिपयार्ड ने व्यापक व्याख्यान दिया जबकि खनन एवं पर्यावरण पर प्रासंगिक जानकारी से परिपूर्ण पाठ हिंदी संपर्क अधिकारी श्री प्रेम प्रकाश , उप खान नियंत्रक द्वारा प्रभावी ढंग से प्रस्तुत किया गया। कचरे के दुष्परिणाम और इसके सुचारु प्रबंधन के सुपरिणाम पर संकाय श्री सुरेश प्रसाद , उप खान नियंत्रक ने परिपूर्ण रूप से प्रकाश डाला। श्री आर. सी. महतो, हिंदी अनुवादक द्वारा हिंदी शब्दों और वाक्यों को शुद्ध रूप से लिखने तथा बोलने के बारे में बढ़िया से बताया। समारोह के दौरान हिंदी गृह पत्रिका 'प्रयास' के 12वें अंक का वितरण कर्मिकों में किया गया। इस तरह राजभाषा हिंदी कार्यशाला का यह पूर्ण दिवसीय कार्यक्रम हिंदी के प्रगामी प्रयोग को उत्प्रेरित करनेवाला सकारात्मक संदेश देते हुए संपन्न हुआ।





#### 10.1.3.2 गोवा में एक दिवसीय राजभाषा हिंदी कार्यशाला का आयोजन

राजभाषा नीति के क्रियान्वयन हेतु 30 दिसंबर, 2019 को एक दिवसीय राजभाषा हिंदी कार्यशाला का आयोजन किया गया। इस कार्यशाला में कार्यालयीन उपयोग से संबंधित पांच पाठ आयोजित किए गए, जिनमें 2 अधिकारियों तथा 8 कर्मचारियों को प्रशिक्षण प्रदान किया गया।

अध्यक्षीय संबोधन में श्री सुरेश प्रसाद ने बताया कि भारत सरकार गृह मंत्रालय राजभाषा विभाग द्वारा पश्चिम क्षेत्र में 11 से 50 कार्मिकों वाले केंद्रीय कार्यालयों की श्रेणी में वर्ष 2018- 2019 के दौरान राजभाषा नीति के उत्कृष्ट क्रियान्वयन के लिए गोवा कार्यालय को प्रथम पुरस्कार प्रदान किया है।

संकाय के रूप में श्री एम. एन प्रसन्नन, सहायक प्रशासन अधिकारी ने आयकर रिटर्न हिंदी में भरने तथा एल. टी. सी. आदि के लिए आवेदन पत्र हिंदी में तैयार करने संबंधी जानकारी दी ।

तीसरा और चौथा पाठ कार्यालय प्रभारी श्री सुरेश प्रसाद ने लिया जिसमें उन्होंने खानों के कचरा प्रबंधन पर विस्तृत रूप से चर्चा की।



#### 10.1.4 हिंदी कार्यशाला - भारतीय खान ब्यूरो के खनिज प्रसंस्करण प्रभाग

खनिज प्रसंस्करण प्रभागमें 28 अगस्त 2019 को एक दिवसीय हिंदी कार्यशाला का आयोजन खनिज प्रसंस्करण प्रभाग , एम.आई.डी.सी में किया गया .श्रीमती इंदिरा रविंद्रन ने अपने वक्तव्य में हिंदी में कार्य करने पर बल दिया जबकि डा लाल ने कार्यालय में हिंदी का प्रशिक्षण एवं हिंदी में किए गए कार्यों की सराहना की. श्री अंचित गोयल , सहायक अयस्क प्रसाधन अधिकारी एवं हिंदी संपर्क अधिकारी ने कार्यशाला की आवश्यकता पर अपने विचार व्यक्त किए.

कार्यशाला में खनिज प्रसंस्करण प्रभाग के व्याख्याताओं ने विभिन्न प्रशासनिक एवं तकनीकी विषयों पर व्याख्यान दिए. उक्त कार्यशाला में 16 तकनीकी/प्रशासनिक कार्मिकों ने भाग लिया. कार्यशाला के प्रथम सत्र में खनिज प्रसंस्करण प्रभाग की डा (श्रीमती) संध्या लाल ने कार्यालयीन हिंदी का स्वरूप , श्री वी.वी.आर.मूर्ति, सहायक अयस्क प्रसाधन अधिकारी ने रत्न पत्थरो का संक्षिप्त परिचय एवं मानकके लिए उसका महत्व पर व्याख्यान दिए तथा दूसरे सत्र में श्री अंचित गोयल ने राजभाषा नियमों की अनुपालन एवं श्री अवनीश कौशिक , सहायक प्रशासन अधिकारी (ख.प्र.) ने सामान्य प्रशासन से संबंधित विषय पर व्याख्यान दिए.





#### 10.1.5 रांची क्षेत्रीय कार्यालय :

कार्यालयीन कामकाज में हिंदी को बढ़ावा देने के उद्देश्य से हिंदी कार्यशाला का आयोजन किया गया.

#### 10.1.6 क्षेत्रीय कार्यालय देहरादून

क्षेत्रीय कार्यालय देहरादून में एक दिवसीय हिंदी कार्यशाला 27 सितंबर 2019 का आयोजन किया गया.



#### 10.1.7 गांधीनगर में दो दिवसीय कार्यशाला -

गांधीनगर क्षेत्रीय कार्यालय में 8 तथा 9 जनवरी 2020 को दो दिवसीय हिंदी कार्यशाला का आयोजन किया गया. हिंदी कार्यशाला का उद्घाटन 8 जनवरी को क्षेत्रीय खान नियंत्रक श्री के.एस यादव की उपस्थिति में किया गया. श्री यादव ने अपने संबोधन में सभी अधिकारियों/कर्मचारियों को हिंदी कार्यशाला का लाभ उठाने की अपील की. इस अवसर पर वरिष्ठ सहायक खान नियंत्रक एवं हिंदी अधिकारी श्री जी.राम ने कहा कि कार्यशाला में हिंदी एवं अन्य तकनीकी एवं प्रशासनिक कार्यों को निपटाने में आने वाली कठिनाई पर आपस में बैठकर चर्चा की जाए. क्षेत्रीय खनन

भूविज्ञानी श्री आर.मजूमदार ने मातृभाषा हिंदी न होने के कारण सरकारी कामकाज हिंदी में करने में आने वाली परेशानियों से अवगत कराया.दो दिवसीय कार्यशाला में कुल तीन व्याख्यान हुए.



## 10.2 विभागीय राजभाषा कार्यान्वयन समिति, भारतीय खान ब्यूरो (मुख्यालय), नागपुर की 29 मार्च 2019 को 109 वीं बैठक का आयोजन

विभागीय राजभाषा कार्यान्वयन समिति, भारतीय खान ब्यूरो (मुख्यालय), नागपुर की 109 वीं बैठक श्री मंटू विश्वास, मुख्य खान नियंत्रक (प्रभारी) की अध्यक्षता में महानियंत्रक महोदय के सभाकक्ष में 29 मार्च 2019 को अपराह्न 3.00 बजे आयोजित की गई। अध्यक्ष एवं अन्य सदस्यों के स्वागत के पश्चात अध्यक्ष महोदय की अनुमति से डॉ. पी. के. जैन, मुख्य खनिज अर्थशास्त्री एवं राजभाषा अधिकारी ने बैठक की कार्यवाही प्रारंभ की। कार्य सूची के अनुसार बैठक में पिछली बैठक ( 108 वीं) के कार्यवृत्त पर की गई अनुवर्ती कार्रवाई एवं कार्यवृत्त की पुष्टि की गई। इसके पश्चात अक्टूबर - दिसंबर, 2018 अवधि की मुख्यालय एवं अधिनस्थ कार्यालयों की तिमाही रिपोर्ट की समीक्षा की गई। खान मंत्रालय द्वारा निरीक्षण के आलोक में गुवाहाटी क्षेत्रीय कार्यालय को राजभाषा नियम 10(4) के तहत अधिसूचित कराना, संसदीय राजभाषा समिति को हैदराबाद क्षेत्रीय कार्यालय के निरीक्षण के दौरान दिए गए आश्वासन के आलोक में भारतीय खान ब्यूरो मुख्यालय नागपुर द्वारा हैदराबाद क्षेत्रीय कार्यालय के साथ हिंदी पत्राचार बढ़ाना, खान नियंत्रक (मध्य), भारतीय खान ब्यूरो, नागपुर क्षेत्रीय कार्यालय एवं सामान्य अनुभाग के कंप्यूटरों में यूनिकोड स्थापित कराना, प्रत्येक तिमाही की हिंदी तिमाही रिपोर्ट माह के 5 तारीख तक भारतीय खान ब्यूरो, हिंदी अनुभाग मुख्यालय को भेजना सुनिश्चित कराना, गृह - पत्रिका 'खान भारती' के 2019 के प्रथम अंक ( 5वां) के प्रकाशन हेतु समयबद्ध कार्य योजना आदि महत्वपूर्ण विषयों पर विस्तृत चर्चा की गई।





### 10.3 नगर राजभाषा कार्यान्वयन समिति (नराकास),

भारतीय खान ब्यूरो, गोवा में नगर राजभाषा कार्यान्वयन समिति (नराकास), मडगांवकी छमाही बैठक 10 मई 2019 को संपन्न हुई । बैठक के मुख्य अतिथि श्री बी निकम .बी ., क्षेत्रीय रेलप्रबंधक, कोंकण रेलवे; विशिष्ट अतिथि श्री अतुल गर्ग, कार्यकारी निदेशक, ओएनजीसी, बेतुल, राजभाषा विभाग के प्रतिनिधि डॉ सुनीता यादव ., उप निदेशक, कार्यान्वयन कार्यालय (पश्चिम), मुंबई; अध्यक्ष, डॉ काले .जी .वाई ., क्षेत्रीय खाननियंत्रक; भारतीय खान ब्यूरो; सदस्य सचिव श्री प्रेम प्रकाश, उप खान नियंत्रक , भारतीय खान ब्यूरो आदिके कर कमलो से परंपरागत दीप प्रज्वलनके साथ नराकास मडगांव की छमाही बैठक की विधिवत शुरुआत हुई।

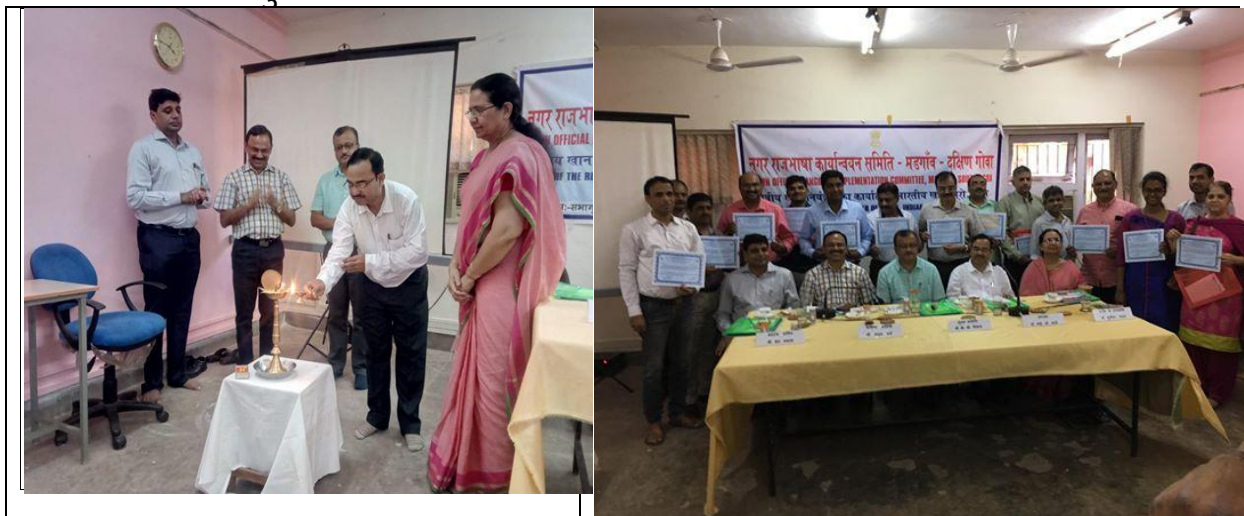
स्वागत भाषण सदस्य सचिव श्री प्रेम प्रकाश , उप खान नियंत्रक , भारतीय खान ब्यूरो द्वारा प्रस्तुत की गई, जिसमें सदस्य सचिव ने नराकास , मडगांव द्वारा हिंदी के प्रगामी प्रयोग की दिशा में किए जा रहे कार्य कलापों का विस्तार से उल्लेख किया। भाषा के महत्व पर विस्तार-से प्रकाश डालते हुए राजभाषा हिंदी की विशेषताएं को खासतौर पर रेखांकित किया।

28/03/2019 को नराकास , मडगांव स्तर पर आयोजित सामान्य हिंदी और टिप्पण आलेखन/प्रतियोगिता तथा हिंदी निबंध प्रतियोगिताके सफल प्रतिभागियों को पुरस्कार प्रदान किए गए। श्री अतुल गर्ग, कार्यकारी निदेशक, ओएनजीसी, बेतुल, गोवा ने संबोधन में देश की एकता , अखंडता, सौहार्द और विकास को बल देने वाली राजभाषा हिंदी के महत्व पर प्रकाश डाला।

बैठक के मुख्य अतिथि श्री बी निकम .बी ., क्षेत्रीय रेलप्रबंधक, कोंकण रेलवे ने बताया कि अपने सेवा में प्रवेश से अब तक किसी भी शासकीय बातचीत में उन्होंने अपनी ओर से हिंदी का ही प्रयोग किया है, अंग्रेजी का नहीं।

नगर राजभाषा कार्यान्वयन समिति , मडगांव के अध्यक्ष डॉ काले .जी .वाई ., क्षेत्रीय खान नियंत्रक, भारतीय खान ब्यूरो मडगांव गोवा ने कहा कि यह समिति परस्पर संपर्क , समन्वय, सहयोग और सहभागिता का मंच प्रदान करती है , जिस मंच पर हम मिलजुल कर भारत सरकार की राजभाषा नीति के प्रभावी कार्यान्वयन और हिंदी के प्रगामी प्रयोग को बढ़ाने पर विचार विमर्श करते हैं , उपाय खोजते हैं तथा क्रियान्वयन में आ रही कठिनाईयों को मिलजुलकर हल निकालते हैं और राजभाषा हिंदी के कार्यान्वयन को सुगम एवं प्रभावकारी बनाने का प्रयास करते हैं। डॉ सुनीता यादव ., उप निदेशक, कार्यान्वयन कार्यालय (पश्चिम), मुंबई द्वारा सदस्य कार्यालय से प्राप्त रिपोर्ट की सारगर्भित समीक्षा की गई तथा आवश्यक अनुदेश निदेश दी गए।

श्री सुरेश प्रसाद, उप खान नियंत्रक, भारतीय खान ब्यूरो, गोवा द्वारा धन्यवाद ज्ञापन के साथ बैठक का समापन हुआ।



#### 10.4 हिंदी पखवाड़ा -2019

10.4.1 भारतीय खान ब्यूरो, मुख्यालय में 3 सितंबर 2019 को हिंदी पखवाड़ा -2019 का विधिवत उद्घाटन किया गया। कार्यक्रम में मुख्य अतिथि के तौर पर डा रंजीत रथ, अध्यक्ष एवं प्रबंध निदेशक, एम.एल.सी.ई., नागपुर उपस्थित थे। कार्यक्रम की अध्यक्षता श्री पी .एन . शर्मा, मुख्यखान नियंत्रक जैन .के .पी .इस अवसर पर डॉ.भारतीय खान ब्यूरो ने की (प्रभारी), मुख्यखनिज अर्थशास्त्री एवं राजभाषा अधिकारी तथा श्री एसअधिकारी .के ., मुख्य खनन भूविज्ञानी मंच पर उपस्थित थे।

अपने अध्यक्षीय भाषण में श्री पी शर्मा .एन ., मुख्य खान नियंत्रक प्रभारी ने दैनंदिन ( कार्यालयीन कार्यहिंदी में ही करने पर बल दिया । साथ ही उन्होंने कहा कि हिंदी हमारी निज भाषा है तथा यह भाषा अपनी भावनाओं को व्यक्त करने का एक सशक्त माध्यम है । हमें

अपनी भाषा के प्रति आदर और सम्मान होना चाहिए तथा हिंदी को हमें प्राकृतिक एवं स्वाभाविक रूप में ही अपनानी चाहिए । उन्होंने भारतीय खान ब्यूरोमुख्यालय में हिंदी संबंधित कार्यों में हो रही प्रगति की सराहना की तथा इसमें और वृद्धि की आशा जताई । समारोह के मुख्य अतिथि डॉ रंजीत रथ ने सभा को संबोधित करते हुए कहा कि राजभाषा . हिंदी का विकास सिर्फ सीमित दायरे में ही रहकर नहीं हो सकता है । हमें हिंदी के विकास के लिए अपने सीमित दायरे से बाहर निकलकर कार्य करना होगा ।

इसके पूर्व श्री एस अधिकारी ने सभा को संबोधित करते हुए कहा कि हिंदी पखवाड़े के .के . दौरान अंतरविभागीय प्रतियोगिताओं का आयोजन किया जाना चाहिए ताकि विभिन्नविभागों के कार्मिक समान रूप से प्रतियोगिता में भाग ले सकें ।

राजभाषा अधिकारी डॉ जैन ने स्वागत भाषण दिया तथा भारतीय खान ब्यूरो .के .पी . जोखा प्रस्तुत - कार्यालय की हिंदी प्रगति रिपोर्ट प्रस्तुत की जिसके अंतर्गत वर्षभर का लेखा

किया गया। तत्पश्चात् उन्होंने हिंदी पखवाड़ा के दौरान आयोजित होने वाली विभिन्न प्रतियोगिताओं की जानकारी दी।

इस अवसर पर केंद्रीय पुस्तकालय, भारतीय खान ब्यूरो के सहयोग से आयोजित 'राजभाषा' शर्मा .एन .का भी उद्घाटन श्री पी 'पुस्तक प्रदर्शनी, एवं डॉ यह .रंजीत रथ द्वारा किया गया। पुस्तक प्रदर्शनी 3 से 13 सितंबर 2019 तक प्रतिदिन आयोजित की जाएगी जिनमें राजभाषा, अनुवाद, कंप्यूटर, तकनीकी, स्वास्थ्य, व्यक्तित्व विकास, पर्यटन, महान व्यक्तित्व, खेल कूद -, साहित्य, धर्म, दर्शन, आध्यात्म, काव्य, नाटक, उपन्यास एवं कहानियां विषयक पुस्तकें प्रदर्शित की जाएंगी।

भारतीय खान ब्यूरो मुख्यालय में हिंदी दिवस एवं हिंदी पखवाड़ा -2019 का समापन समारोह।

भारतीय खान ब्यूरो, (मुख्यालय), नागपुर में 17 सितम्बर 2019 को निदेशक (अयस्क प्रसाधन), श्रीमती इन्दिरा रविन्द्रन की अध्यक्षता में हिंदी दिवस, हिंदी पखवाड़ा समापन समारोह एवं पुरस्कार वितरण कार्यक्रम आयोजित किया गया। इस अवसर पर वी.टी.आई.एन., नागपुर के निदेशक, डॉ प्रमोद पडोले मुख्य अतिथि के रूप में उपस्थित थे। साथ ही श्री पी .एन . शर्मा, मुख्य खान नियंत्रक (प्रभारी), श्री एस अधिकारी .के ., मुख्य खनन भूविज्ञानी एवं डॉ .पी . जैन .के., मुख्य खनिज अर्थशास्त्री एवं राजभाषा अधिकारी भी इस अवसर पर उपस्थित थे।

हिंदी दिवस एवं हिंदी पखवाड़ा समापन समारोह के अवसर पर भारतीय खान ब्यूरो की हिंदी गृह पत्रिका - 'खान भारती' 2019 का विमोचन भी किया गया।

सभा को संबोधित करते हुए श्रीमती इन्दिरा रविन्द्रन ने राजभाषा हिंदी के अधिकाधिक प्रयोग पर बल दिया और कहा कि संपर्क भाषा के रूप में हिंदी का अत्यंत ही महत्वपूर्ण स्थान है। इसके पूर्व सभा को संबोधित करते हुए मुख्य अतिथि डॉ प्रमोद पडोले ने कहा कि . सभा सरकारी कर्मचारियों को अपना दैनंदिन कार्य हिंदी में करना चाहिए राजभाषा अधिकारी डॉ . जैन ने हिंदी पखवाड़े के दौरान की गई गति .के .पी विधियों और विभिन्न प्रतियोगिताओं के आयोजन की जानकारी सभा के समक्ष रखी।

हिंदी पखवाड़े के दौरान आयोजित की गई विभिन्न हिंदी विषयक प्रतियोगिताओं में विजयी प्रतिभागियों को अध्यक्ष, मुख्य खान नियंत्रक (प्रभारी), मुख्य अतिथि महोदय एवं राजभाषा अधिकारी द्वारा पुरस्कार वितरित किए गए।

कार्यक्रम के आरंभ में डॉ जैन .के .पी ., राजभाषा अधिकारी द्वारा माननीय गृह मंत्री, भारत सरकार श्री अमित शाह जी का संदेश वाचन किया गया। श्री पी शर्मा द्वारा माननीय .एन . संसदीय कार्य, कोयला तथा खान मंत्री श्री प्रल्हाद जोशी जी का संदेश पढ़ा गया।



#### 10.4.2 हिंदी पखवाड़ा 2019 - भारतीय खान ब्यूरो के बेंगलूर

बेंगलूर आंचलिक कार्यालय, क्षेत्रीय कार्यालय एवं क्षेत्रीय खनिज प्रसंस्करण प्रयोगशाला के संयुक्त तत्वावधान में 3 से 17 सितंबर 2019 के दौरान हिंदी पखवाड़ा मनाया गया. पखवाड़े का शुभारंभ तीनों कार्यालय के प्रभारी अधिकारियों के हस्ते दीप प्रज्ज्वलन से हुआ. इस अवसर पर सहायक खनन अभियंता श्री अश्वनी कुमार ने हिंदी पखवाड़े की रूपरेखा प्रस्तुत की. पखवाड़े के दौरान विभिन्न प्रतियोगिताओं का आयोजन किया गया.

समापन समारोह के अवसर पर क्षेत्रीय खान नियंत्रक श्री जी.सी.मीणा ने कहा कि भाषा में सही शब्दों के प्रयोग उसे कठिन या सरल बनाता है. अगर आसान शब्दों का प्रयोग किया जाए तो हिंदी को समझने में भी आसानी होगी. उप खान नियंत्रक (द.अ.) श्री सी.परमेश्वरन ने कहा कि हिंदी का दायरा लगातार बढ़ रहा है यह सराहनीय है. अधीक्षण अधिकारी डा वी.जे.अरूणा ने अपने वक्तव्य में कहा कि हिंदी भाषा दिलों तक पहुंचने की ताकत रखती है.



समापन समारोह के अवसर पर कनिष्ठ तकनीकी सहायक (अ.प्र.) श्री आर.आर.मित्रा ने केंद्रीय गृह मंत्री श्री अमित शाह का संदेश पढ़कर सुनाया जबकि सहायक खनन भूविज्ञानी श्री के.श्री निवास ने खान मंत्री श्री प्रल्हाद जोशी के संदेश का पठन किया।

अंत में हिन्दी पखवाड़े के दौरान आयोजित की गई विभिन्न प्रतियोगिता के विजेताओं को पुरस्कृत किया गया। हिन्दी पखवाड़े का समापन श्री सुकान्त बिस्वास , कनिष्ठ सांख्यिकी अधिकारी के धन्यवाद प्रस्ताव के साथ हुआ। हिन्दी पखवाड़े के सफल आयोजन में श्री आशीष घोषाल, हिन्दी अनुवादक, श्री कृष्ण कुमार, आशुलिपिक एवं प्रशासन अनुभाग द्वारा पूर्ण सहयोग प्रदान किया गया।



#### 10.4.3 हिन्दी पखवाड़ा- खनिज प्रसंस्करण प्रभाग

भारतीय खान ब्यूरो के हिंगणा स्थित खनिज प्रसंस्करण प्रभाग में 4 से 17 सितंबर के दौरान हिन्दी पखवाड़े का आयोजन किया गया। 4 सितंबर 2019 को हिन्दी पखवाड़ा का शुभारंभ कार्यक्रम की अध्यक्ष डा संध्या लाल (श्रीमती), अयस्क प्रसाधन अधिकारी , आधुनिक खनिज प्रसंस्करण प्रयोगशाला एवं प्रायोगिक संयंत्र के हस्ते दीप प्रज्ज्वलन से हुआ।

श्रीमती इंदिरा रविंद्रन, निदेशक के मार्गदर्शन में आयोजित (.प्र.अ)कार्यक्रम में श्री अंचित गोयल, सहायक प्रसाधन अधिकारी एवं हिन्दी संपर्क अधिकारी ने राजभाषा नियमों के अनुपालन संबंधी जानकारी एवं प्रभाग में हिन्दी क्रियान्वयन संबंधी प्रगतिकी समीक्षा प्रस्तुत की।

अध्यक्षीय संबोधन में डा लाल ने हिन्दी कार्य की प्रगति पर संतोष व्यक्त किया और सभी कार्मिकों को हिन्दी में कार्य करने का आह्वान किया।

17 सितंबर को समापन समारोह में मुख्य अतिथि के तौर पर श्रीमती इंदिरा रविंद्रन , निदेशक, (अयस्क प्रसाधन) उपस्थित थीं जबकि अध्यक्षता डा (श्रीमती) संध्या लाल, मुख्य अयस्क प्रसाधन अधिकारी ने की। इस अवसर पर श्रीमती लाल ने गृहमंत्री श्री अमित शाह द्वारा प्रेषित संदेश का पठन किया। जबकि हिन्दी संपर्क अधिकारी श्री अंचित गोयल ने कोयला तथा खान मंत्री श्री प्रल्हाद जोशी का हिन्दी दिवस पर संदेश पढ़कर सुनाया।

पश्चात पखवाड़े के दौरान आयोजित विभिन्न प्रतियोगिताओं के विजेताओं को श्रीमती इंदिरा रविंद्रन के हस्ते पुरस्कृत किया गया . उन्होंने खान भारती में प्रभाग द्वारा भेजे गए लेखों की सराहना भी की.कार्यक्रम का संचालन कुमारी प्रथमा दिवाकर, क.त.सहायक ने किया.



#### 10.4.4 हिंदी पखवाड़ा 2019 - कोलकाता

भारतीय खान ब्यूरो के पूर्वांचल कार्यालय, कोलकाता में 2 से 16 सितंबर 2019 के दौरान हिंदी पखवाड़ा का आयोजन किया गया. उद्घाटन कार्यक्रम की अध्यक्षता खान नियंत्रक (पूर्वांचल) श्री पंकज कुलश्रेष्ठ ने की. इस अवसर पर सहायक खनन अभियंता श्री श्रीधर रजवार ने अपने वक्तव्य में सभी को हिंदी पखवाड़े के दौरान आयोजित की जा रही प्रतियोगिता में भाग लेने की अपील की.

अध्यक्षीय संबोधन में श्री कुलश्रेष्ठ ने कहा कि कार्यालय में शत-प्रतिशत कार्य हिंदी में हो इसके लिए तकनीकी विभाग को इस दिशा में विशेष प्रयत्न करना होगा. आगे उन्होंने कहा कि किसी व्यक्ति की मातृभाषा कुछ भी हो सकती है लेकिन भारत के नागरिक होने के नाते हिंदी सीखना, समझना और जानना आवश्यक है.

हिंदी पखवाड़े के दौरान सभी अधिकारियों एवं कर्मचारियों ने कविता पाठ , सुलेख प्रतियोगिता, नारा लेखन, निबंध लेखन, श्रुतिलेखन प्रतियोगिता, वाद-विवाद प्रतियोगिता आदि प्रतियोगिता में बढ़-चढ़कर हिस्सा लिया.

समापन समारोह में सर्वप्रथम श्रीमती एकता गिरी , हिंदी अनुवादक के स्वरचित नाटक 'विचार कीजिये का' प्रस्तुतीकरण किया गया. जिसमें एकता गिरी , हिंदी अनुवादक के अतिरिक्त कार्यालय के श्री मनोरंजन घोष , वरिष्ठ तकनीकी सहायक (ड्राईंग) , मीनू मांजी , स्टाफ कार ड्राईवर, श्री मन्टू प्रसाद हेम्ब्रम, एम.टी.एस. तथा श्री अजीत मंडल, एम.टी.एस. ने भाग लिया.

तत्पश्चात श्री कृष्णदेव कुमार , वरिष्ठ तकनीकी सहायक (ख.अ.) , श्री बीरेश्वर सरकार , वरिष्ठ तकनीकी सहायक (सर्वे) , श्री आनंद दास , नक्शानवीस, श्री शांतनु बनर्जी , उच्च श्रेणी लिपिक तथा श्री चंदन , अवर श्रेणी लिपिक ने अपने वक्तव्य में हिंदी पखवाड़े सफल आयोजन हेतु

बधाई दी. पश्चात प्रतियोगिता के विजेताओं को श्री पंकज कुलश्रेष्ठ के हस्ते पुरस्कृत किया गया. श्री बीरेश्वर सरकार के धन्यवाद ज्ञापन के साथ कार्यक्रम का समापन हुआ.

10.4.5 क्षेत्रीय कार्यालय, गांधीनगर द्वारा दिनांक 03.09.2019 से 17.09.2019 तक हिन्दी पखवाड़ा मनाया गया। यह समारोह खान सुरक्षा विभाग, अहमदाबाद क्षेत्र के निर्देशक मोहम्मद रफीक सईद, मुख्य अतिथि तथा माइनिंग कम्पनी, अहमदाबाद के पूर्व महाप्रबंधक श्री आर.एस.भट्ट के विषिष्ट आतिथ्य में मनाया गया। उद्घाटन समारोह के अवसर पर क्षेत्रीय खान नियंत्रक श्री के.एस.यादव द्वारा उद्बोधन दिया गया। इस अवसर पर श्री जी. राम, वरिष्ठ सहायक खान नियंत्रक एवं हिन्दी सम्पर्क अधिकारी ने इस हिन्दी पखवाड़ा के दौरान आयोजित विभिन्न प्रतियोगिताओं से अवगत कराया। इस अवसर पर स्वच्छ हिन्दी लेखन, हिन्दी अनुवाद, हिन्दी में लेख, यूनिकोड हिन्दी टंकण प्रषिक्षण, टिप्पण आलेखन आदि प्रतियोगिताएं आयोजित की गईं। समापन समारोह में विभिन्न प्रतियोगिताओं के विजेताओं को पुरस्कृत किया गया।



#### 10.4.6 देहरादून क्षेत्रीय कार्यालय

भारतीय खान ब्यूरो के देहरादून कार्यालय में 2 से 9 सितंबर के दौरान हिंदी पखवाड़े का आयोजन किया गया.पखवाड़े का उद्घाटन 2 सितंबर को सहायक खान नियंत्रक श्री दामोदर प्रसाद शर्मा के कर कमलों से हुआ. इस अवसर पर उन्होंने कहा कि हिंदी एक उन्नत, समृद्ध एवं वैज्ञानिक भाषा है, हिंदी भारत में सबसे अधिक बोली और समझी जाने वाली भाषा है.

इस अवसर पर सहायक खनन भूवैज्ञानिक एवं हिंदी संपर्क अधिकारी श्री शैलेन्द्र सकलानी ने पखवाड़े के दौरान आयोजित की जाने वाली विभिन्न प्रतियोगिताओं की जानकारी दी. पखवाड़े के दौरान हिंदी शब्दावली, श्रुतलेख, हिंदी पत्र/टिप्पण लेखन, हिंदी सामान्य ज्ञान प्रतियोगिता आदि का आयोजन किया गया. जिसमें कार्यालय के अधिकारियों/कर्मचारियों ने बढ़चढ़कर हिस्सा लिया. पखवाड़े के समापन अवसर पर मुख्य अतिथि क्षेत्रीय खान नियंत्रक श्री पुष्पेन्द्र गौड़ के हस्ते प्रतियोगिता के विजेताओं को पुरस्कृत किया गया.

#### 10.4.7 गोवा क्षेत्रीय कार्यालय



भारतीय खान ब्यूरो के गोवा क्षेत्रीय कार्यालय में विभिन्न प्रतियोगिताओं/कार्यक्रम के साथ 13 से 27 सितंबर के दौरान हिंदी पखवाड़ा मनाया गया। उद्घाटन समारोह के मुख्य डा. प्रदीप आर. जताल, हिंदी प्राध्यापक, श्रीमती पार्वतीबाई चौगुले महाविद्यालय, मडगांव, विशिष्ट अतिथि श्रीमती सुमंगला गडपायले, वेतन एवं लेखा अधिकारी, श्री प्रेम प्रकाश, उप खान नियंत्रक के कर कमलों परंपरागत दीप प्रज्ज्वलन से पखवाड़े की शुरुआत हुई।

डा. प्रदीप जताल ने अपने संबोधन में बताया कि इतर हिंदी भाषी होने के बावजूद उनके हिंदी के प्रति प्रेम की वजह से वे हिंदी के प्राध्यापक बन सके और महाविद्यालय में छात्रों में हिंदी के प्रति अनुराग पैदा कर सके। विशिष्ट अतिथि श्रीमती सुमंगला गडपायले, वेतन एवं लेखा अधिकारी, भा.खा.ब्यूरो, नागपुर ने भी हिंदी के बारे में अपने अनुभव व्यक्त किए।

16 सितंबर को हिंदी दिवस समारोह आयोजित किया गया था। इस समारोह के प्रारंभ में गृह मंत्री श्री अमित शाह का हिंदी दिवस पर संदेश श्री सुरेश प्रसाद ने पढ़कर सुनाया। 30 सितंबर को समापन समारोह एवं पुरस्कार वितरण समारोह आयोजित किया गया था। पखवाड़े के दौरान राजभाषा नीति, टिप्पण/आलेखन, निबंध, भाषण, प्रश्नोत्तर, श्रुतलेखन, हिंदी टंकण, कविता पाठ/ गीत गायन, चुटकुले/लतीफे, व्याख्यान आदि प्रतियोगिता का आयोजन किया गया था। इन प्रतियोगिता के विजेताओं को मुख्य अतिथि श्री अभय सुराना, हिंदी कवि के हस्ते पुरस्कृत किया गया।



“प्रयास” गोवा राज्यपाल को भेंट - गोवा क्षेत्रीय कार्यालय की वार्षिक गृह पत्रिका “प्रयास” के ग्यारहवें तथा बारहवें अंक की प्रति 17 मई 2019 को गोवा राज्य के माननीय राज्यपाल महोदया डॉ.(श्रीमती) मृदुला सिन्हाजी को राजभवन निवास पर डॉ. वाई. जी. काले, क्षेत्रीय खान नियंत्रक द्वारा सादर भेंट की गई। इस भेंट के दौरान गोवा क्षेत्रीय कार्यालय के उप खान नियंत्रक तथा हिंदी संपर्क अधिकारी श्री.प्रेम प्रकाश, श्री रामचंद्र महतो, अनुवादक तथा श्री भारत जम्बावालिकर, भंडार पाल (तकनीकी) उपस्थित थे। इस अवसर पर माननीय राज्यपाल महोदया को गोवा के सुप्रसिद्ध आम ‘मानखुराद’ के पेड़ की कलम भेंट दी गई। माननीय राज्यपाल महोदया जी ने गोवा क्षेत्रीय कार्यालय की गृह पत्रिका “प्रयास” को बड़े रोचकता से देखा। माननीय राज्यपाल महोदया

डॉ.(श्रीमती) मृदुला सिन्हाजी द्वारा “प्रयास” की सराहना की गई । माननीय राज्यपाल महोदया जी द्वारा रचित हिंदी गौरव कविता “प्रयास” के ग्यारहवें अंक में शामिल की गई है । भारतीय खान ब्यूरो, गोवा क्षेत्रीय कार्यालय में हिंदी के अधिक से अधिक कार्यान्वयन हेतु माननीय राज्यपाल महोदया डॉ.(श्रीमती) मृदुला सिन्हाजी ने अपनी शुभ कामनायें व्यक्त की ।

