



Task Completion Status

Ministry of Coal's

Agenda 2021-22

MAY 25, 2022

Agenda FY -22 at a Glance

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3. Regulatory Reforms (Exploration)
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11. Coal Dispatch & Stocking
12. Coal Export in Neighboring Countries
13. Strategy to Boost Coal Production of Mines Allocated Through Auction

II Coal Transition & Sustainability

1. Social Aspects of Coal Transition
2. Monetization of De-coaled Land
3. Use of Artificial Intelligence (AI) /Drones in Data Mining
4. Sustainability (Net Zero Emissions)

III Institution building

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2. Upgrading Coal Testing Labs
3. Staffing Quality and Training issues

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I: Coal Sector Reforms

1. Projects for FY 21-22 towards 1 BT production by CIL including evacuation by FMC

1.1. FMC Projects- 39 Projects

Concerned Section/ Officer - CPIAM /AS (MN)

Task completion status

Secretary (Coal) directed to carry out study on the benefits of FMC projects and necessity of such projects and place it for discussions

(Per Minutes of Meeting held on 01.02.2022 by Secy(C) of CPIAM section)

Status of Study - Under Process

Status of FMC projects-

CIL –

1st Phase- Out of the 35 FMC Projects in Phase-I, 06 FMC Projects have been commissioned and the rest are under different stages of implementation.

2nd Phase- Out of the 09 FMC Projects in Phase-I, all are under different stages of tendering.

SCCL –

1st Phase- Out of the 03 FMC Projects in Phase-I, 01 FMC Project have been commissioned and the rest 02 are under different stages of implementation.

2nd Phase- One project is under process.

NLCIL – 03 FMC projects are under process



1.2. Mining Projects- 54 Projects

1 BT production target – Secretary (Coal) directed to conduct a meeting with CIL, SCCL and NLCIL on this matter.

(Per Minutes of Meeting held on 01.02.2022 by Secy(C) of CPIAM section)

Secretary (Coal) convened a meeting on 07.02.2022.

Out of these 54 mines, 34 mines are in production.

2. Jharia Master Plan (27 fire sites)

2.1. *Economically viable 15 sites*

2.2. *Economically unviable 12 sites*

Concerned Section/ Officer- MPS /Adv. (P)

Task completion status

Secretary (Coal) directed to issue reminder to Chief Secretary, Jharkhand to provide his comments on draft report on Jharia Master Plan.

(Per Minutes of Meeting held on 02.02.2022 by Secy(C) of MPS section)

A committee chaired by Secretary (Coal) has been constituted to review Jharia Master Plan. Its report is yet to be finalized. Further action on this issue will be taken as per recommendations of the Committee.



3. Regulatory Reforms (Exploration)

Concerned Section/ Officer- CCT /Adv. (P)

Task completion status

Under process/ finalization

4. Coal Beneficiation

Concerned Section/ Officer- CPIAM /AS (MN)

Task completion status

As on 16.3.2020, 03 washeries (Madhuband Washery, Patherdih-II Washery and Bhojudih Washery) were under construction and as on 01.02.2022, all these 03 washeries are yet to be commissioned. Secretary, Coal directed to issue displeasure to Chairman/CIL.

Further, it was also observed in the meeting held on 16.03.2020 that Ib Valley Non-Coking Coal Washery which is under construction will be delayed till July 2020, instead of May 2020. However, this washery is yet to be commissioned. Therefore, Secretary (Coal) direct CMD/MCL to take necessary action against the contractor, who is constructing Ib Valley non-coking coal washery.

(Per Minutes of Meeting held on 01.02.2022 by Secy(C) of CPIAM section)

Matter has been dropped.

5. Safety in Coal Mines

Concerned Section/ Officer- MPS /Adv. (P)

Task completion status

Secretary (Coal) directed NLCIL to implement all recommendation of the Committee constituted on direction of NGT.

(Per Minutes of Meeting held on 02.02.2022 by Secy(C) of MPS section)

A meeting chaired by Secretary (Coal) with NLCIL was held on 15.03.2022. NLCIL was directed to implement all recommendations of the Committee constituted on direction of NGT.



6. Coking Coal Strategy

Concerned Section/ Officer- CPIAM /AS (MN)

Task completion status

Coking Coal mission has already been launched. To implement this mission, meeting chaired by Secretary (Coal) on 08.02.2022. Secretary, Ministry of Steel had taken a meeting on this issue on 23.03.2022. AS (MN) also took a meeting on this issue on 12.4.2022.

7. Marketing Reforms

Concerned Section/ Officer- CPD / JS(CPD)

Task completion status

CRISIL Ltd. has been engaged as consultant for providing strategic and implementation management consulting services to assist Ministry of Coal in the process of setting up of Coal Trading Exchange. The establishment of Coal Trading Exchange in the country shall open up the coal market through an online trading platform and provide easy coal availability in the market.

8. Coal Pricing Reforms

Concerned Section/ Officer- CA /JS(Estt.)

Task completion status

CIL to explore and submit study of reorganizing coal grades with tolerance provision of 50-100 GCV. CIL submitted its study stating that the aforementioned provision is not financially beneficial to them. CIL was asked to re-conduct the study by increasing the number of years for which data is analyzed. CIL submitted its presentation by increasing the base year to two years i.e. 2019-20 and 2020-21. Even in this analysis, CIL is incurring revenue loss by opting for tolerance provision with no significant decrease in case of grade up-gradation or slippage. Hence, no change is required in coal grades for pricing purpose.

9. Reforms in Land Acquisition

Concerned Section/ Officer- LA&IR /AS(MN)

Task completion status

Draft Cabinet Note on "Approval of Policy for use of land acquired under the Coal Bearing Areas (Acquisition & Development) Act, 1957 for the purpose of development and setting up of infrastructure relating to coal and other public purposes" is presently pending with Cabinet Secretariat/PMO.

(Per Minutes of Meeting held on 03.02.2022 by Secy(C) of LA&IR section)

Draft Cabinet Note has been approved by the Union Cabinet on 13th April, 2022. Ministry of Coal has issued Policy Guidelines for use of land acquired under the Coal Bearing Areas (Acquisition and Development) Act, 1957 on 22nd April, 2022.

10. Solar Power Projects

Concerned Section/ Officer- CPIAM /AS (MN)

Task completion status

Secretary (Coal) directed CIL/SCCL/NLCIL to share their strategy to Ministry of Coal.

(Per Minutes of Meeting held on 01.02.2022 by Secy(C) of CPIAM section)

Issue was reviewed in a meeting on 27.01.2022 chaired by Secretary (Coal). Follow-up is being done with CIL/SCCL/NLCIL.



11. Coal Despatch & Stocking

Concerned Section/ Officer- CPD /JS(CPD)

Task completion status

A Single Window Mode Agnostic auction to be implemented instead of present auction schemes. The modalities for Mode Agnostic auction are presently under preparation at CIL. Appropriate provisions regarding Ministry of Coal's guidelines referred above shall be introduced in the same, taking into account the demand-supply scenario.

(Per Minutes of Meeting held on 27.01.2022 by Secy(C) of CPD section)

Details at **Annexure I (p.18)**

12. Coal Export in Neighbouring Countries

Concerned Section/ Officer- CPD /JS(CPD)

Task completion status

Secretary (Coal) suggested that the issues related with CIL subsidiaries may be taken up separately and a meeting may be scheduled.

(Per Minutes of Meeting held on 27.01.2022 by Secy(C) of CPD section)

As per Ministry of Coal's directives, Spot/ Special Spot Schemes had been enabled to facilitate coal exports, following GOI policy guidelines and statutory provisions. This has provided desirous bidders option to export coal apart from sale within India.

As per recent directives of Ministry of Coal, a single window Mode Agnostic auction to be implemented instead of present auction schemes. The modalities for Mode Agnostic auction are presently under preparation at CIL. Appropriate provisions regarding Ministry of Coal's guidelines referred above shall be introduced in the same, taking into account the demand-supply scenario.

13. Strategy to Boost Coal Production of Mines Allocated Through Auction

Concerned Section/ Officer- NA / AS(MN)

Task completion status

For monitoring of development of coal mines allocated by the Nominated Authority, it was apprised to Secretary (Coal) that regular review meetings are conducted by Nominated Authority to discuss issues faced by allocattees of coal blocks with last meeting taken on 06.01.2022. Meetings are also conducted from time to time between Ministry of Coal and Ministry of Environment Forest & Climate Change officers to expedite EC/FC issues related to captive coal mines and CIL/SCCL mines.

AS&NA to convene a conference in Kolkata with all the allocattees of coal mines to discuss the issues faced by them in operationalisation of coal mines.

(Per Minutes of Meeting held on 04.02.2022 by Secy(C) of NA section)

Secretary (Coal) chaired a meeting with allocattees of coal mines to discuss the issues faced by them in operationalization of coal mines on 11.04.2022 at Delhi.

II: Coal Transition & Sustainability

1. Social Aspects of Coal Transition

Concerned Section/ Officer- SDC / JS(P&S)

Task completion status

A presentation to be given by MPS Section on existing provisions contained in Mine Closure guidelines and how it can be modified to include sustainability aspect of coal mines applicable on all coal/lignite mines.

(Per Minutes of Meeting held on 10.02.2022 by Secy(C) of SDC section)

MPS Section was informed about the above direction of Secretary (Coal) vide letter dated 21.2.2022.

MPS Section had given a presentation on existing Mine Closure guidelines and discussed about the possible modifications to the existing guidelines with coal companies and officials of MoC/CCO.

MPS Section to prepare a draft revised Mine Closure guidelines based on the suggestions made during the meeting by the participating members.

The status of progress of various activities and timelines as on 31.03.2022 is at Annexure-II (p.19)

2. Monetization of De-coaled Land

Concerned Section/ Officer- CA / JS (Estt.)

Task completion status

On the issue of monetization of de-coaled land, Economic Adviser (EA) informed that a note has been prepared. However, there is no clarity on the issue regarding further action to be taken in the matter. Secretary (Coal) directed that this matter is to be done in CA Section. Secretary (Coal) further suggested that de-coaled land may be used for developing townships. For this CIL to provide the size of patches of the land available with them. The possibility of real estate land development should be explored on such patches.

(Per Minutes of Meeting held on 31.01.2022 by Secy(C) of EA section)

Against the target of Rs.3394 Cr for Total Asset Monetization Plan, Ministry of Coal (along with its CPSE's) have achieved Rs.11104.64 Cr (exclusive of coal block allocation) as monetization. Details are at **Annexure-III. (p.20-21)**

LA&IR section has issued policy guidelines on use of land acquired under Coal Bearing Areas (Acquisition & Development) Act, 1957 [CBA (A&D) Act, 1957]. CIL to prepare plan to set up coal related infrastructure and other development activities as per the policy guidelines for use of land acquired under CBA (A&D) Act, 1957 issued on 22.04.2022.

3. Use of Artificial Intelligence (AI) / Drones in Data Mining

Concerned Section/ Officer- MPS / Adv. (P)

Task completion status

Secretary (Coal) directed to issue Press Release on different tasks which a drone can perform in coal mining sector. CIL to prepare short movies on the use of drone.

(Per Minutes of Meeting held on 02.02.2022 by Secy(C) of MPS section)

Hon'ble **Union Minister** of Coal, Mines & Parliamentary Affairs Shri Pralhad Joshi and Minister of State Coal, Mines & Railways, Shri Raosaheb Patil Danve launched “**Technology Roadmap for Coal Sector**”, prepared by the Ministry of Coal on 06.05.2022 in Mumbai at the Investor's Meet on 'Coal Gasification - Way Forward' (Annexure- IV p.22)

This Technology Roadmap will lead to adoption & implementation of new technologies and enhance work environment, mining operations, including safety and productivity, environmental protection, increase productivity, improve coal recovery and reduce costs. The Technology Roadmap will be taken as benchmark document for coal companies to adopt new technologies and build digital infrastructure to support current and future ramp-up for the mines.



4. Sustainability (Net Zero Emissions)

Concerned Section/ Officer- SDC / JS(P&S)

Task completion status

Net Zero Carbon Agenda to be given by all coal/ lignite PSUs by 31st May, 2022 after assessing present and projected carbon footprints of mining in various mines and plans for off-setting the same to become carbon neutral.

(Per Minutes of Meeting held on 10.02.2022 by Secy(C) of CPIAM section)

CMPDI has prepared a report with detailed estimate of GHG emissions in CIL during FY 2020-21 and has also suggested strategies for achieving carbon neutrality.

Coal/ lignite PSUs to draw Net Zero Agenda.

PSUs to prepare carbon neutrality roadmap and firm up the year in which they will become carbon neutral.

Status on 31.03.2022 is at **Annexure- V (p.22-24)**



III: Institution building

1. Reforms in Coal Controller's Organisation (CCO), Coal Mines Provident Fund Organisation (CMPFO)

Concerned Section/ Officer- Estt, JS (Estt.) / & CMPF

Task completion status

Strengthening of CCO: CCO to be reviewed in reference to the following:

- (a) Staffing, activities and performance of CCO field offices – Coal Controller to prepare a presentation in this regard.
- (b) Technical matters of CCO - A presentation on technical issues pertaining to CCO to be prepared by Adv(P).

The combined presentation of Adv(P) and DDG be organised by Coordination Section.

(Per Minutes of Meeting held on 03.02.2022 by Secy(C) of Estt. section)

The report of the A.N. Sahay Committee on the strengthening of Coal Controller's Organisation has been accepted in the Ministry. A meeting chaired by AS(Coal) was held to access the recommendations of the Committee. CCO was asked to revise and submit its final proposal for the strengthening of CCO. Report of CCO is under submission with IFD. After which report will be forwarded to Ministry of Finance, Department of Expenditure for their approval for the proposed restructuring of CCO.

CCO made a detailed presentation to Secretary(C) and senior officers on both technical and non-technical issues on 17th February, 2022. The minutes of meeting is at **Annexure-VI (p.25-26)**.



Coal Controllers Organisation, Kolkata



CMPFO

2. Upgrading Coal Testing Labs

Concerned Section/ Officer- CPD / JS(CPD)

Task completion status

CIL to upgrade all its laboratories to NABL accredited laboratories. CIL to also take action for implementation of NABL accreditation of Third Party Sampling Agencies on appropriate platform.

Pursuant to this, total 56 (fifty-six) out of 58 laboratories of Coal India subsidiaries have been NABL accredited and accreditation of remaining 2 (two) laboratories is under process.

All laboratories (own/hired) of all Third-Party Sampling Agencies are NABL accredited. Out of 9 referee laboratories, 7 are NABL accredited, remaining 2 is being followed up by CSIR-CIMFR Dhanbad.

3. Staffing Quality and Training issues

Concerned Section/ Officer- Estt. / JS(Estt.)

Task completion status

Despite expansion in activities in coal sector, the strength of Ministry has not been reviewed. A need was felt for creation of certain specialised Sections in MoC. A Committee headed by AS (Coal) is already looking into restructuring of Sections in MoC. This Committee should review the work allocation and manpower requirements of all Sections in the Ministry and accordingly proposal for additional manpower to be processed. Coordination Section to take up the matter with the Committee.

(Per Minutes of Meeting held on 03.02.2022 by Secy(C) of Estt. section)

A Committee chaired by AS (Coal) was constituted for creation of new Divisions/ Sections keeping in view MoC's new focus areas & responsibilities. The Committee held its 1st meeting on 15th February, 2022 for preliminary discussion and to lay parameters. The focus of the Committee was to remove ambiguities and duplicity of work among existing Divisions, merge related Divisions and create new Divisions, if any, keeping in view the role and responsibilities of MoC.

Just Transition Division & Media Cell have been created on 13-5-2022.

IV: Futuristic Agenda

1. Coal to Chemical : Syn Gas, Hydrogen Gas, Liquid Fuels, Chemicals and Fertilizers

Concerned Section/ Officer- CCT / Adv. (P)

Task completion status

CIL to organize road show in those metro cities on these projects where there are possibilities of prospective investors for these projects. NLCIL to give presentation on its Lignite Gasification Project.

(Per Minutes of Meeting held on 02.02.2022 by Secy(C) of CCT section)

Investor's Meet on '**Coal Gasification - Way Forward**' was organized in Mumbai on 06.05.2022 by Coal India and FICCI. The Investor Meet- cum- workshop aimed to encourage effective implementation of Coal Gasification projects and also to ensure ease of doing business in this area.

During the event **Shri Pralhad Joshi, Hon'ble Union Minister of Coal, Mines & Parliamentary Affairs and Shri Raosaheb Patil Danve, Minister of State for Coal, Mines & Railways**, launched a report '**Roadmap for Coal to Hydrogen**' prepared by Ministry of Coal (**Annexure- VII p.28**).



2. CIL - Diversify its business and explore prospects in sunrise industries electric charging pods, EVs etc. Acquisition and mergers of similar or new business after due diligence

Concerned Section/ Officer- EA

Task completion status

Diversification of CIL also to be handled in EA Division.

(Per Minutes of Meeting held on 31.01.2022 by Secy(C) of EA section)

Deloitte has prepared and submitted Pre-feasibility Report(s) on EV & Non-Fuel Minerals to CIL.

3. Robust Media Campaign

Concerned Section/ Officer- Coord / JS(P&S)

Task completion status

Seven meetings done with NLCIL, SCCL, CIL & its subsidiaries.

Draft media campaign formulated, however, certain other points covering media strategy like short films engaging visual media underway.



South Eastern Coalfields Limited Video on Atmanirbhar Bharat

<https://www.facebook.com/southeasterncoalfields/videos/1193197701175756>

4. Close Monitoring of CSR activities

Concerned Section/ Officer-CSR&W / EA

Task completion status

A major portion of CSR funding has been spent in the following areas:

- a. Healthcare, Nutrition & Sanitation
- b. Education & Livelihood
- c. Rural Development
- d. Environmental Sustainability
- e. Promotion of sports
- f. Disaster Management & Relief

Details furnished at Annexure-VIII (p.29-32)



Annexure-I**Coal Dispatch & Stocking****Power Supply against Annual Action Plan Target 2021-22**

(in Mill. tonnes)

| Name of Coal Company | Power Target 2021-22 | Supply |
|-----------------------------|-----------------------------|---------------|
| ECL | 42.00 | 29.86 |
| BCCL | 21.40 | 26.67 |
| CCL | 61.50 | 59.15 |
| NCL | 104.00 | 110.63 |
| WCL | 52.00 | 57.23 |
| SECL | 141.00 | 129.28 |
| MCL | 126.10 | 127.31 |
| CIL | 548.00 | 540.14 |

Annexure-II**Social Aspects of Coal Transition**

This agenda item is an on-going agenda which will roll over in FY 2022-23. The status of progress of various activities identified under the instant agenda item and future timelines are as under:

| Sl. | Activity | Tentative timeline | Status as on 31.03.2022 | Revised timeline |
|-----|--|--------------------|--|------------------|
| 1. | Finalization of PPR in consultation with World Bank (WB) and submission of the same to DEA | 15th July 2021 | PPR was submitted as per time line. Subsequent to IMC consultation, receipt of comments from DoE, DEA, NITI Aayog, Ministry of Mines, Ministry of Power and MoEF&CC, PPR has been revised in consultation with WB and uploaded on DEA Portal. | |
| 2. | Approval of DEA | Sep-21 | Comments sought by DEA on the revised PPR have been submitted by DoE. DEA discussed the PPR in a virtual meeting held on 25.02.2022. DEA has communicated about its approval for the 1 st phase i.e grant funded assistance for mapping and preparation of DPR. | |
| 3. | Start of the process of engagement with WB after completing all formalities | Nov-21 | WB has started the 1 st phase process, which is linked with grant of 1.15 million USD. | On-going |
| 4. | Preparation of technical assistance report (DPR) covering base line data, roadmap for closure, details about closure activities including social aspects associated with mine closure and funding arrangements | Dec-22 | WB has started the 1 st phase process, which is linked with grant of 1.15 million USD. | |
| 5. | Submission of DPR to DEA for approval of proposal for long term WB's support (2 nd phase) on implementing mine closure projects | Jan-2023 | | |
| 6. | Start of Pilot Projects in 2 Districts (2 nd phase) | April-2023 | Subject to approval of DEA | |

Annexure-III**Details of Assets Monetization Plan Achievement in FY 2021-22& Onwards****1. MDO and Coal Gasification**

Against the target of Rs. 3394 Cr, Ministry of Coal (along with its CPSE's) have achieved Rs. 11104.64 Cr (exclusive of Coal block allocation) as monetization. Details are as follows:

| MDO Monetized Value till date | | | | | | |
|--------------------------------------|--------------------|------------------------|---------------------------|--------------------------|---------------------------|-------------------------|
| S.No | Projects | Assets Location | Total Project Cost | CPSE Part | Private Party Part | Monetized valued |
| | | | Available with us | Available with us | Available with us | |
| 1 | Siarmal (MCL Part) | MCL Odisha | 8877 | 5195 | 3682 | 3682.00 |
| 2 | Kotre B & P OC | JHARKHAND/ CCL | 1554 | 625 | 929 | 929 |
| 3 | Chandragupta OC | JHARKHAND/CCL | 3437.14 | 973.5 | 2463.64 | 2463.64 |
| 4 | Subhadra(MCL Part) | MCL Odisha | 3956 | 1694 | 2262 | 2262 |
| 5 | Ketki UG | Chhattisgarh SECL | 387 | 131 | 256 | 256 |
| | Total | | 18211.14 | 8618.5 | 9592.64 | 9592.64 |

| CBM Gasification Projects | | | | | | |
|----------------------------------|------------------------|----------------|-----------------|---------------|-----------------|-----------------|
| 6 | CBM Jharia | Jharkhand/BCCL | 1880 | 368 | 1512 | 1512 |
| | Grand Total (A) | | 20091.14 | 8986.5 | 11104.64 | 11104.64 |

2. Coal Block Allocation:

There are total 42 coal blocks auction till FY 2021-22 out of which 39 Coal blocks are taken for monetization having total value of Rs 28,986 Crore. Monetization value of 39 Mines is based on calculation done by NITI Aayog.

Thus, total monetization of Ministry of Coal for the FY 2021-22 is Rs. 40,000 Cr approx

Monetization Plan for FY 2023 & Onwards

| Monetized Value Fig in Crore) | | | | |
|-------------------------------|--------------------|-----------|--|---------|
| S.No | Projects | 2021-22 | 2022-23 | 2023-24 |
| 1 | MDOs | 9,592.64 | 20,320.00 | - |
| 2 | Washeries | - | 700.00 | - |
| 3 | CBM | 1,512.00 | Excluded from monetization plan from 2022-23 onwards | |
| 4 | Coal Gasification | - | - | - |
| 5 | Coal Blocks | 28,986.00 | 52,200.00* | |
| 6 | Discontinued Mines | - | 2,000.00* | |
| | Total | 40,090.00 | 75,220.00 | - |
| | NITI Aayog Target | 3,394.00 | 6,060.00 | |

***Figures are tentative**

Annexure-IV

The document on Technology Roadmap for Coal Sector may please be seen at Ministry's Website at the link below-

<https://coal.gov.in/en/techno-roadmap-coal-sector>

Annexure-V**Sustainability (Net Zero Emissions)****2.1 Dust suppression Technologies must be explored**

| PSU | Dust Suppression Technologies – Target for FY 2021-22 | | | | | | |
|-------------|--|--------------|-------------------|---------------------|---------------|-------------------------|--------|
| | FMC Projects | Mist Sprayer | Fog Canon (Truck) | Fog Canon (Trolley) | Wheel Washing | Mechanical Road Sweeper | CAAQMS |
| | Nos. | Nos. | Nos. | Nos. | Nos. | Nos. | Nos. |
| CIL | 6 | 17 | 44 | 53 | 16 | 33 | 28 |
| SCCL | 2 | 4 | - | 9 | - | 2 | 11 |
| NLCIL | - | 1 | - | 2 | - | 0 | 8 |
| Grand Total | 8 | 22 | 44 | 64 | 16 | 35 | 47 |

| PSU | Dust Suppression Technologies – Achievement till Mar 2022 | | | | | | |
|-------------|--|--------------|-------------------|---------------------|---------------|-------------------------|--------|
| | FMC Projects | Mist Sprayer | Fog Canon (Truck) | Fog Canon (Trolley) | Wheel Washing | Mechanical Road Sweeper | CAAQMS |
| | Nos. | Nos. | Nos. | Nos. | Nos. | Nos. | Nos. |
| CIL | 3 | 20 | 114 | | 5 | 5 | 26 |
| SCCL | 1 | 2 | - | 34 | - | 2 | 11 |
| NLCIL | - | 1 | - | 1 | - | - | 2 |
| Grand Total | 4 | 23 | 149 | | 5 | 7 | 39 |

2.2 Carbon emissions be reduced by exploring use of LNG / electric mobility in HEMM and step to increase energy efficiency in mining to be taken up**Use of LNG in diesel driven HEMM to reduce carbon emission****Status as on 31.3.2022**

- MCL has selected Bharatpur opencast mine for the use of LNG as a pilot project. Two 100T BEML dumpers are proposed to be retrofitted with LNG kits. Consent of M/s Cummins has been taken. GAIL has been approached for assistance and execution of pilot project.
- GAIL has signed a MoU and issued a tender for the retrofitting of equipment.
- Drawing, Design and Program for retrofitting approved by stakeholders. Retrofitting is in process and to be completed by June 2022.
- Pilot Project is to be completed by September 2022.
- NCL is also in discussion with IOCL to start a Pilot Project by converting 2 nos. of 100 Ton Dumper to work on LNG.

Energy efficiency measures

Coal/lignite PSUs have been implementing several energy efficiency and energy conservation measures. The various planned energy efficiency measures for the year 2021-22 are as under:

| PSU | Energy efficiency measures – Targets for FY 2021-22 | | | | | | | |
|-------------|---|---------------------|-----------|-----------|-------------------------|-----------------------------------|-----------------------------|----------------|
| | Use of LED Lights | Energy Efficient AC | Super Fan | E-Vehicle | Efficient Water Heaters | Energy Efficient Motors for Pumps | Auto-timer in street lights | Capacitor Bank |
| | Nos. | Nos. | Nos. | Nos. | Nos. | Nos. | Nos. | Nos. |
| CIL | 92806 | 1668 | 36736 | 183 | 482 | 545 | 1745 | 65 |
| SCCL | 19800 | 893 | 11800 | - | - | - | - | 13 |
| NLCIL | 4200 | 20 | 500 | - | - | 2 | 10 | 20 |
| Grand Total | 116806 | 2581 | 49036 | 183 | 482 | 547 | 1755 | 98 |

| PSU | Energy efficiency measures – Achievement till Mar-2022 | | | | | | | |
|-------------|--|---------------------|-----------|-----------|-------------------------|-----------------------------------|-----------------------------|----------------|
| | Use of LED Lights | Energy Efficient AC | Super Fan | E-Vehicle | Efficient Water Heaters | Energy Efficient Motors for Pumps | Auto-timer in street lights | Capacitor Bank |
| | Nos. | Nos. | Nos. | Nos. | Nos. | Nos. | Nos. | Nos. |
| CIL | 98364 | 803 | 11869 | 5 | 254 | 36 | 980 | 22725 kVAR |
| SCCL | 34094 | 840 | 1683 | - | 11 | - | - | 22 |
| NLCIL | 4500 | 17 | 200 | - | - | 0 | 16 | 26 |
| Grand Total | 136958 | 1660 | 13752 | 5 | 265 | 36 | 996 | - |

PSUs have been directed to add the shortfalls in the target for current fiscal

2.3 Air quality should be monitored in mining areas (in a radius of - 5 kms)

| Continuous Air Quality Monitoring – Target for FY 2021-22 | | | | |
|---|-----|------|-------|-------|
| Air quality monitoring Mechanism | CIL | SCCL | NLCIL | Total |
| CAAQMS | 28 | 11 | 8 | 47 |
| Online PM 10 analyser | 40 | - | - | 40 |

| Continuous Air Quality Monitoring – Achievement till Mar-2022 | | | | |
|--|-----|------|-------|-------|
| Air quality monitoring Mechanism | CIL | SCCL | NLCIL | Total |
| CAAQMS | 26 | 11 | 2 | 39 |
| Online PM 10 analyser (BCCL) | 68 | - | - | 68 |

2.4 Roadmap for attaining net Carbon neutrality be drawn up

A report was prepared and submitted by CMPDI estimating carbon emission due to coal mining during 2020-21. The possible measures for offsetting carbon emission have also been suggested on the basis of projected coal production for the future.

Annexure-VI**Minutes of the Meeting held on 17.02.2022 regarding Review of CCO**

| | |
|--------------|-----------------------------------|
| Subject | Review Meeting of CCO |
| Date & Time | 17th February, 2022 at 4.30 P.M |
| In the Chair | Secretary(Coal), Ministry of Coal |

A meeting to review the issues pertaining to Coal Controller's Organization was held under the Chairmanship of the Secretary(Coal) on 17th Feb, 2022 in the Conference Hall, Ministry of Coal. The list of participants is placed at Annexure-I.

2. At the outset Secretary (Coal) welcomed all the participants and thereafter, Coal Controller presented the ATR on the directions given during the previous review meeting held on 1st Oct, 2021. Thereafter, agenda was discussed and after deliberations, the following decisions were taken in the meeting:

1. Manpower status of CCO:-

Coal Controller informed that CCO office has been shifted to Delhi and letter has already been issued to CPWD for surrendering of 7100 Sq. Ft space at CCO Kolkata office. Process for surrendering additional 7000 Sq. Ft area is going on and remaining space out of total 16, 000 Sq. Ft will be retained for CCO office at Kolkata.

Coal Controller further informed that RO CCO at Asansol has been closed, and manpower of RO CCO has been merged with CCO Kolkata.

Secretary (Coal) wanted to know the status of progress of restructuring of CCO. JS(Estt) informed that restructuring proposal of 130 manpower is under examination at IFD, MOC as majority of vacant posts are under deemed abolished category. Coal Controller informed that there is no sanctioned strength at Regional Offices of CCO, for which manpower deployed is from Subsidiary coal companies on hiring/borrowed basis. Sanctioned strength of CCO is only for Kolkata and Dhanbad Offices. Secretary advised resolve pending related issues on priority and complete the restructuring of CCO at the earliest.

(Action: JS/FA, MoC and CCO)

2. Regulatory Function of CCO:

Secretary (Coal) observed that issues related to functionalization of Non statutory CRA remains unresolved. Need was felt to raise the level of CCO by subsuming it into Non Statutory CRA. Secretary (Coal) directed JS/Estt to prepare a PPT on present status of Non Statutory CRA.

(Action JS(Estt)/ MOC)

3. Star Rating:-

Coal Controller informed that determination of Star Ratings for Yr. 2019-20 has been completed by CCO and the same is being done for FY 2020-21 & 2021-

require more technical persons to discharge its functions more effectively. In this regard, demand for 4 mining engineers (2 Nos. from CIL, 1 No. from SCCL and 1 No. from NLCIL) having at least 05-10 years of experience in the related subject was raised. Coal controller may write to SCCL & NLCIL in this regard with copy to Ministry. It was also felt that quality of Mining Plans and Expert - Review done by Accredited Mining Plan Preparing Agency shall be improved.

(Action:- Coal Controller)

9. Escrow Agreement:-

Coal Controller presented the status of signing of Escrow Agreement with the Coal Companies. Secretary(Coal) suggested that IITs/IIT(ISM) may be engaged to estimate whether the fund kept in the escrow account for mine closure is sufficient for proper closure/restoration of mines or not. It was also directed that the scheme be re-visited to ensure that the fund so created for mine closure is adequate for complete rehabilitation of the area affected by mining operations.

(Action:- JS(FA), MOC and Coal Controller)

10. Commissioner of Payment:-

Coal Controller explained the role of COP and its present status of refund of amount under COP.

(Action:- Coal Controller)

The meeting ended with the vote of thanks to the Chair.

ANNEXURE I

List of Participants:-

1. Dr. Anil Kumar Jain, Secretary(Coal), Ministry of Coal, Govt. of India-in the Chair.
2. Shri Vinod Kr. Tiwari, Additional Secretary(Coal), MOC, Govt of India
3. Shri M. Nagaraju, Additional Secretary (NA), MOC, Govt. of India.
4. Shri Shyam Bhagat Negi, JS (Estt & CA), MOC, Govt of India.
5. Smt. Nirupama Kotru, JS& FA, MOC, Govt of India.
6. Ms. Santosh, Coal Controller, Govt of India.
7. Smt. Shanta Guha, Dy. Asstt. Coal Controller (Admin), CCO, Delhi
8. OSDs of CCO Kolkata & Delhi.

Annexure-VII

The document on Road Map for Coal to Hydrogen Production may please be seen at Ministry's Website at the link below-

<https://coal.gov.in/en/major-statistics/national-coal-gasification-mission>

Annexure-VIII**Close monitoring of CSR activities****CSR Activities in CIL:**

According to the CSR policy of CIL, the subsidiaries of CIL have to allocate either 2% of the average net profit of the 3 immediately preceding financial years or Rs. 2 per tonne of that subsidiary's coal production of the immediately preceding year, whichever is higher, for CSR activities in a particular year. For CIL (HQ), the consolidated coal production of those subsidiaries who have not incurred net loss during the immediately preceding financial year is considered to arrive at the latter. The activities that can be undertaken under CSR are as per the Schedule VII to Section 135 of the Companies Act 2013. A major portion of CSR activities has been spent in the following areas:

- g. Healthcare, Nutrition & Sanitation
- h. Education & Livelihood
- i. Rural Development
- j. Environmental Sustainability
- k. Promotion of sports
- l. Disaster Management & Relief

Major achievements during the last three FY and current FY in Govt. prioritized and other themes:**a. Health Care:****i. Hospitals:**

- Construction of 500 bedded hospitals cum 100 seater medical college at Talcher, Angul district, Odisha by MCL at a cost of Rs. 493 cr.
- CT scan and MRI machine in Chhattisgarh Institute of Medical Sciences (CIMS), Bilaspur
- Assistance for procurement of neurology treatment related equipment at Institute of Neurosciences, Kolkata (IN-K)

ii. Covid:

- Spending of Rs. 269 cr. (48% of the total expenditure of FY'21) on COVID-19 relief.
- 1300+ bedded COVID hospital in Bhubaneswar
- 150 bedded dedicated hospital at Talcher, Odisha
- 100 bedded dedicated hospitals at Bilaspur & Ambikapur, Chhattisgarh
- 100 bed ICU at Karnataka Institute of Medical Sciences (KIMS), Hubli
- Cold Chain equipment for vaccine transport to Govt. of West Bengal, Chhattisgarh & Meghalaya
- A total of 31 oxygen plants (of which 25 under CSR in govt. hospitals) are being set up under Mission Praana Vayu by CIL.

b. Education and Skill Development

- CCL Ke Laal and CCL Ki Laadli programme has been running since FY'13 to provide free of cost residential coaching for engineering entrance examinations to meritorious students of

Jharkhand hailing from economically weaker backgrounds. More than 300 students have so far secured admissions in reputed engineering colleges such as IITs, NITs etc.

- Reconstruction of schools in flood affected districts of Dharwad and Bagalkot, Karnataka at a cost of Rs. 25 cr.
- Training of 5,000 unemployed youth (8th – 10th pass) from command areas of CIL's subsidiaries in plastic engineering trades through Central Institute of Petrochemicals Engineering & Technology (CIPET). The first phase of 2,000 youth has been completed and trainees have secured jobs with a starting salary of around Rs. 10,000 per month. The placement percentage has been 84%.
- Training and Capacity Building of tribal women on Singrauli, Madhya Pradesh in small holder poultry project. The project is helping over 500 households in generating an additional income of Rs. 3000 – 3500 per month.

c. Water, Sanitation and Environment Protection

- Piped Water Supply Schemes for 35 villages of Talcher and Kaniha Block of Angul district, Odisha at a cost of Rs. 55 cr.
- Installation of prefabricated toilet blocks for better sanitation at a cost of Rs. 25 lakhs per block at more than 500 railway stations of different railway zones
- Block and Roadside Plantation at a cost of Rs. 15.56 cr. under Hariyar Chhattisgarh programme

d. Rural Development

- Border road construction and alignment work in Chamoli district, Uttarakhand to improve connectivity of border villages at a cost of Rs. 19 cr.
- Financial assistance of Rs. 17.30 cr. for construction of airport at Singrauli, Madhya Pradesh
- CCDP – Utthan project at a cost of Rs. 20 cr. in command districts of MCL in Odisha for uplifting the socio – economic status of rural households and providing them with sustainable livelihoods through agri-horticulture activities

e. Promotion of Sports

- Contribution of Rs. 75 cr. to National Sports Development Fund for construction of 3 hostels for better utilization of sports infrastructure in Bhopal, Gwalior and Bangalore.
- Construction of sports complex at Burla, Sambalpur, Odisha at a cost of Rs. 25 cr.
- Running of sports academy at Hotwar, Ranchi for identification and residential training of budding sports talents from Jharkhand to make them potential medal winners for the nation

f. Disaster Management

- Financial assistance of Rs. 50 cr. to Odisha Power Transmission Corporation Ltd. (OPTCL) for reconstruction of power transmission lines damaged due to cyclone Fani in 2019.
- Rehabilitation and livelihood development of flood affected people in India's only river island district Majuli, Assam at a cost of Rs. 15.60 cr.
- Total financial assistance of Rs. 90 cr. to State Disaster Management Authorities/State Govt. of Maharashtra, West Bengal, Jharkhand, Madhya Pradesh and Chhattisgarh.
- Contribution of Rs. 222.25 cr. (from which Rs. 101.25 cr. from CSR) to PM-CARES fund.

CSR expenditure for the last 3 years and current year is as under:

| Financial Year | CSR Statutory Requirement (Rs. Cr.) | CSR Expenditure (Rs. Cr.) |
|--------------------------|-------------------------------------|---------------------------|
| 2018-19 | 353.98 | 416.47 |
| 2019-20 | 396.20 | 587.84 |
| 2020-21 | 434.51 | 553.85 |
| 2021-22 (Apr – March) | 450.63 | 507.18* |

*Figures are provisional and subject to Audit.

Activity wise expenditure during the last three years (2018-19-2020-21):

| Subsidiary | Healthcare, Nutrition & Sanitation (Rs. Cr.) | Education & Livelihood (Rs. Cr.) | Rural Development (Rs. Cr.) | Environmental Sustainability (Rs. Cr.) | Promotions of Sports | Disaster Management & Relief (Rs. Cr.) | Others (Rs. Cr.) | Total (Rs. Cr.) |
|--------------|--|----------------------------------|-----------------------------|--|----------------------|--|------------------|-----------------|
| ECL | 10.16 | 15.90 | 9.24 | 3.58 | 0.17 | 0.09 | 0.36 | 39.50 |
| BCCL | 7.02 | 4.64 | 1.58 | 0.27 | 0.00 | 0.00 | 0.05 | 13.56 |
| CCL | 83.61 | 9.41 | 4.97 | 3.08 | 27.84 | 0.00 | 21.72 | 150.63 |
| WCL | 8.87 | 5.15 | 4.00 | 0.90 | 0.44 | 0.10 | 0.33 | 19.79 |
| SECL | 156.92 | 13.34 | 11.12 | 17.99 | 0.09 | 0.00 | 7.07 | 206.53 |
| NCL | 62.18 | 116.05 | 73.72 | 10.58 | 3.43 | 20.00 | 0.87 | 286.83 |
| MCL | 270.03 | 160.14 | 60.55 | 17.63 | 16.64 | 3.29 | 9.72 | 538.00 |
| CMPDI | 4.46 | 3.86 | 0.38 | 0.21 | 0.00 | 0.00 | 0.40 | 9.31 |
| CIL | 181.34 | 31.52 | 27.07 | 1.10 | 0.36 | 50.80 | 1.82 | 294.01 |
| TOTAL | 784.59 | 360.01 | 192.63 | 55.34 | 48.97 | 74.28 | 42.34 | 1558.16 |

Theme-Wise Figures for FY 2021-22 is under preparation.

Major CSR projects undertaken in FY 21-22:

CIL and subsidiaries are installing 31 PSA oxygen plants in 30 hospitals with a total capacity of 35,547 lpm. These plants can provide oxygen to 5,159 beds. The total cost of the project is Rs 46.24 cr.

1. Setting up 200 bedded Dedicated COVID Hospital (DCH) at newly constructed Hospital Building of Dumka district, Jharkhand by ECL at a cost of Rs. 3.45 cr.
2. Providing funds for Natya Mandap and other structures near Maa Hingula Temple, Talcher for promoting art, culture and livelihood by MCL at a cost of Rs. 9.32 cr.
3. Assistance of Rs. 10 cr. to Department of Public Health and Family Welfare, Govt. of Madhya Pradesh towards upgrading healthcare infrastructure for treatment of COVID patients by NCL
4. Equipping Covid Care Center at Syahimudi, Korba district, Chhattisgarh to function as 1000 bedded Covid Hospital by SECL at a cost of Rs. 5 cr.
5. Setting up digital Classrooms in 30 schools of Chatra District, Jharkhand by CCL at a cost of Rs. 1.03 cr.
6. Financial assistance of Rs. 1.00 cr. to District Administration, Dhanbad by BCCL for COVID-19 relief.

7. Financial assistance of Rs. 10 cr. for procurement of Linear Accelerator Radiotherapy Unit for cancer treatment at Saroj Gupta Cancer Centre & Research Institute, Kolkata by CIL
8. Setting up of 40 bedded ICU facility at Govt. Medical College cum Hospital at Silchar, Assam by CIL at a cost of Rs. 5.04 cr.
9. Financial Assistance in development of one floor of Hospital building of National Cancer Institute Nagpur for a total project cost of Rs. 26 Crores.
10. Installation of CT Scan Machine and establishment of centralised oxygen pipeline system at District Hospital Simdega for a cost of Rs. 1 Cr.
11. Dissemination of innovative rural technologies on a pilot scale up in areas of operation of the CIL and its subsidiaries through IIT Bombay for a project cost of Rs. 2 crores.
