



सत्यमेव जयते

Ministry of Coal

Action Plan for 2022-23





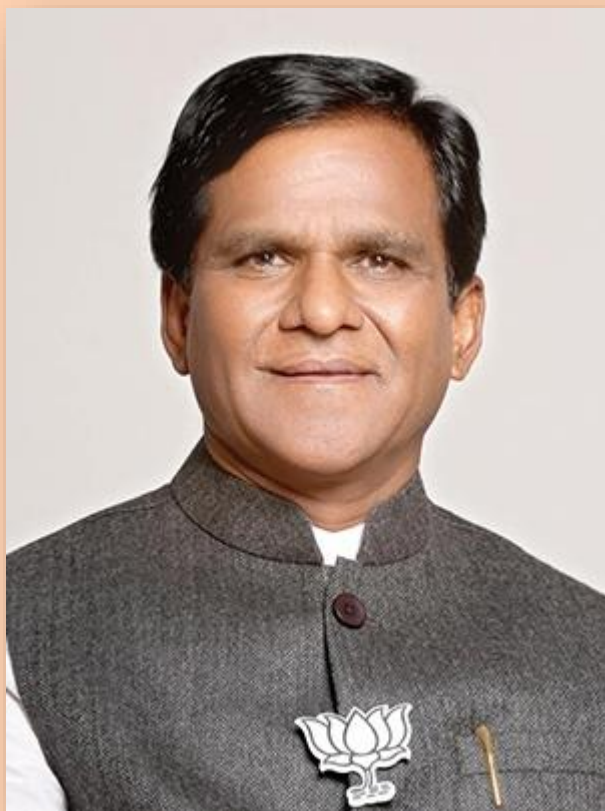
For India to progress, for Aatmanirbhar Bharat, energy independence is necessary, India has to take a pledge that it will be energy independent by the year we celebrate 100th year of Independence.

Shri Narendra Modi
Prime Minister of India



Target of Coal Ministry is to minimize import of thermal coal and to make the country Aatmanirbhar in the sector.

-Shri Pralhad Joshi
Minister of Coal, Mines & Parliamentary Affairs



Government's aim is to increase domestic coal production to 1.2 billion metric tonnes by FY 23-24

Shri Raosaheb Patil Danve
Minister of State for Coal, Mines & Railways

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I. Grey Hydrogen

[Action: CCT]

A Task Force and an Expert Committee **chaired by Additional Secretary (Coal)** have been **constituted** on 07.09.2021 to study and develop a roadmap for production and usage of Hydrogen produced from Coal. The first meeting of Task Force **was held on 18.10.2021**.

Expert Committee has held 5 meetings and taken presentation from Thermax, CIMFR and group of experts coordinated by M/s Dastur Engineering. The Meeting with M/s Shell on Hydrogen Roadmap and potential of CCUS in India with India Growth Shell chaired by AS(Coal) was held on 18.02.2022. The committee has submitted a draft roadmap for coal to hydrogen which was discussed in the meeting of the Committee held on 11.4.2022 for finalization. Roadmap for Coal to Hydrogen was launched by the Hon'ble Minister on 6-5-2022 ([Annexure-I](#)).



II. Just Transition/ Energy Transition

[Action: SDC]

World Bank project on handling of mine closure cases on principles of just transition

This agenda item is already part of agenda 2021-22 and is an on-going agenda which will continue in FY 2023. 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
1.	Finalization of Preliminary Project Report (PPR) in consultation of World Bank (WB) and submission of the same to DEA	15th July 2021	Preliminary Project Report (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 Department Of Economic Affairs (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 1st 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.
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. WB has visited CCL and held stakeholder consultations.
5.	Submission of DPR to DEA for approval of proposal for long term WB's support on implementing mine closure projects	Jan-2023	
6.	Start of Pilot Projects in 2 Districts	April-2023	Subject to approval of DEA

III. Restructuring CMPFO

[Action: CMPFO]

(1). Notification of CMPFO Recruitment Rules:

A proposal for CMPFO cadre restructure was approved by the 168th BoT (Board of Trustees) of the CMPFO. Commissioner, CMPFO notified Coal Mines Provident Fund (Employees) Recruitment Rules, 2017 without approval of the Government of India/ Ministry of Coal. Ministry of Coal directed CMPFO to denotify the Extraordinary Gazette Notification dated 25.04.2017. However, a Writ Petition No. 22052 of 2017 was filed in the High Court at Hyderabad against the Ministry's direction dated 20.06.2017. Matter is sub-judice and hearing is repeatedly being postponed.

Action taken status: - To break the deadlock legal opinion was sought from Addl SG (Southern Zone). Based on the opinion and after obtaining approval of Hon'ble Minister of Coal proposal has been sent to Department of Expenditure (DoE), Ministry of Finance on 06.12.2021 for ex-post facto approval of the cadre restructure approved by the 168th BoT. Approval of DoE is awaited.



(2). Rationalization of number of Regional Offices of CMPFO:

In a Review Meeting taken by Secretary (Coal) on 31.01.2022, it was suggested to rationalize the number of Regional Offices of CMPFO, so as to strengthen its offices at strategic locations by bringing together CMPFO staff spread over many places. This was deemed practical and more useful in view of computerization, digitization of data/ records and improved online communication infrastructure.

Action taken status -Commissioner, CMPFO to examine and prepare blueprint for rationalization of number of regional offices in CMPFO. First presentation on draft rationalization proposal is expected by 2nd Week of May 2022.

IV. Coal Evacuation

[Action: CPIAM]

Rail projects – Construction of 14 rail projects being undertaken throughout the country for the purpose of coal evacuation. Out of these, 4 rails projects being constructed on deposit basis, 4 through SPV and other 6 are Railways funded projects.

FMC Projects-

CIL - 35 first mile connectivity (FMC) project in 1st phase and 9 FMC projects in 2nd phase. Out of 35 FMC projects (1st phase), 6 projects have already been commissioned and others are at various stages of construction. 9 FMC projects in 2nd phase are at different stages of tendering process.

SCCL - 3 FMC projects in 1st phase and 1 FMC project in 2nd phase. One FMC project of SCCL has already been commissioned.

NLCIL - 3 FMC projects.



V. Benchmarking of Machines & Quantifiable Parameters (Output per hr/per machine)

[Action: CPIAM]

CIL to appoint a consultant to make study on global bench-marking standards and efficiency parameters of HEMM used in CIL mines and submit report/recommendations on its improvement and its applicability in CIL, NLCIL and SCCL mines. ATR from CIL is awaited.

VI. Outsourcing of CIL Mines

[Action: Tech. Div.]

CIL to operate 15 mines on MDO Mode. Work has been awarded for 5 mines. Other 10 mines are at different stages of tendering process. **(Annexure-II)**

CIL has offered 20 closed/ discontinued underground coal mines to the private sector to reopen and bring into production on revenue sharing model. An Investors' Meet was organized in Mumbai on 06.05.2022 to sensitize the private sector about the offer.



VII. Coal Trading Platform

[Action: CPD]

Crisil risk and infrastructure solutions limited (CRISIL) 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.

VIII. Regulatory Mechanism for coal

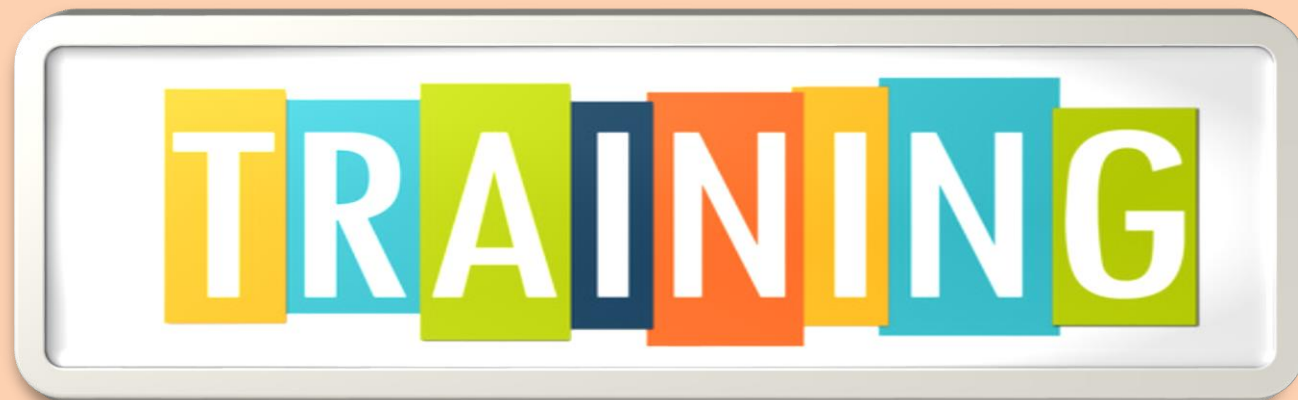
[Action: CA]

MoC is contemplating to activate the already existing Non-statutory Coal Regulator and to merge CCO with the existing Coal Regulator to create an independent expert institution which besides having technical expertise can also command confidence of the private sector. Proposal has been submitted for consideration of Secretary (Coal) and Hon'ble Minister of Coal.

IX. Training

[Action: Establishment]

The last meeting to review the progress of Training Needs Analysis/Training Policy of CIL was held on 11.02.2022 chaired by AS (VKT). It was decided that CIL will continue its assessment of the existing training institutes of CIL & its subsidiaries and training content in line with its evolving role, and plan optimum utilization. Training Needs Analysis (TNA) to be started with executive manpower and gradually incorporated for non-executive manpower. CIL to make detailed assessment for training of contractual workforce. CIL informed that the rationalization of number of training institutions to be retained in CIL and its subsidiaries has been completed. The process of Training Need Analysis is being undertaken. CIL to submit ATR on Training Need Analysis by July 2022.



TNA for the executive manpower of CIL will be initiated by 2nd Week of April, 2022. CIL further informed that the TNA exercise would complete in 9 months commencing from May, 2022 and the training needs of contractual workers would be undertaken once the process is completed for CIL manpower. However, Secretary (Coal) has directed CIL to reduce the time for TNA and complete the same in 3 months. Director (Personnel), CIL has been requested on 07.04.2022 to reduce the time line for TNA and submit ATR to this Ministry. The same was also conveyed to Director (Personnel), CIL on telephone. The reply from CIL is yet to be received.

X. Corporate Restructuring of Coal Sector (CPSEs)

[Action: CA]

As a part of restructuring of CIL, it has been decided for listing of CMPDIL & BCCL. Draft cabinet note for initial listing of 25% of shares of CMPDIL and BCCL has been approved by Hon'ble Minister of Coal. CIL board has also approved for listing of 25% of shares. After Inter-Ministerial Consultations, Cabinet note in respect of CMPDIL has been submitted to Cabinet. Draft cabinet note in respect of BCCL has been sent for IMC consultation.

XI. Quality Issues

[Action: CPD]

To address the concerns of consumers (Power Utilities) regarding coal quality, Standard Operating Procedure (SOP) for Third Party Sampling has been introduced in 2015 at the loading end to ensure the quality of coal supplied by the coal companies, for which Central Institute for Mining and Fuel Research (CIMFR, a CSIR institution) has been engaged jointly by coal companies and power sector. Tripartite Memorandum of Understanding (MoU) were signed between Supplier (coal companies), Purchaser (Power Utilities) & CIMFR for sampling and testing of coal at the loading end. For extending sampling facility for Non-Power consumers taking coal through linkage auction and supply to Power Utilities under Special Forward auction for Power, QCI and IIT-ISM have been engaged.

Coal India Limited has signed a quantity of 595 MT, 209 MT, 1 MT and 5 MT with CIMFR, QCI, Cotecna and SGS respectively for carrying out Third Party Sampling work as on 31.03.2022. The quantity assigned by Singareni Collieries Company Limited (SCCL) to CIMFR & IIT for carrying out sampling work was 50.73 MT for Power Sector and 0.28 MT for Non-Power Sector respectively for the year 2021-22.

As a reform process, it is decided that TPS (Third Party Sampling) Agencies for the power sector shall be empaneled by PFC. PFC has now empaneled the agencies in addition to CIMFR and consumers would be free to take services of any of the empaneled agencies. Mitra SK Pvt Ltd has been empanelled on 28.12.2021 by PFC.

Coal India has informed the following:

- Quality Issues 2021-22 (updated)
 - Monitoring of Auto mechanical samplers (AMS) at all SILO/CHP so that more AMS remain in operation and there is no manual intervention.
 - Twelve Nos. of AMSs are in operation at MCL, SECL & NCL.
 - SOP for testing by empaneled agency before e-auction as per the choice of consumer without any commercial implication.
 - A committee was formed to formulate SOP for allowing e-auction buyers to test samples from the coal stock before bidding for e-auction. The report by the committee is under finalization.
 - More referee labs (NABL) to be empaneled to reduce referee pendency and faster settlements of accounts.
 - This issue was deliberated at the 13th Apex Committee Meeting and final MOM is awaited.
 - Future course of action to be decided based on data analysis of Coal Quality Results (Moisture, Ash & GCV) of online analyzer after successful trial runs at MCL & NCL within March 2022, as a feedback system for improvement in quality of dispatched coal – Online analyzer commissioning is expected by the 2nd week April 2022 in MCL.



Quality milestones for 2022-23

- Installation & calibration of Auto mechanical samplers (AMS) at all SILO/CHP, wherever feasible, so that more AMS remain in operation and there is no manual intervention in the sampling process.
- Supply of only sized coal as per FSA provisions.
- NABL Accreditation of remaining 2 labs namely SP Mines (ECL) and Baikunthpur (SECL) out of 58 labs.
- There are only 2 NABL labs each at BCCL and CCL. It is proposed to increase the number of labs to 6 nos. each at different areas of BCCL and CCL.
- More referee labs (NABL) to be empanelled to reduce referee pendency and faster settlements of accounts.
- Uploading of coking coal parameters in respect of seams of coking coal mines by the Subsidiaries- the work has been assigned by PMD, CIL to CMPDIL to bring out the test values of coking coal quality parameters.

XII. Lignite Gasification

[Action: CCT]

As a part of Diversification initiatives, NLCIL has proposed to establish a lignite-based Surface Gasification and Methanol plant (Methanol-I) of 0.4 MTPA capacity at Neyveli, Tamil Nadu. The progress of the project is as below:

- Preparation of Detailed Feasibility Report (DFR) is completed through M/s PDIL.
- Financial appraisal of the project is completed through SBI Caps.
- Expression of Interest (EOI) for selection of Technology for the project is completed and the report submitted by PDIL is under scrutiny.
- Preliminary topographical survey at plant site and Geotechnical investigation for foundation design is completed.
- M/s PDIL is appointed as consultant for identifying a suitable agency for preparation of EIA/EMP report and obtaining Environmental Clearance for the project.
- The DFR is being put up for approval and for further process.

Following agenda points from previous year Agenda 2021-22:**XIII. Coking Coal Strategy****[Action: CPIAM]**

Coking Coal Mission has been launched by the Ministry for enhancement of coking coal Production from 45.00 MT in 2020-21 to production of 140 MT of coking coal in 2029-30 which includes 105 MT from CIL.

Setting up of Coking Coal Washeries:

Government plans to increase the supply of washed coking coal to the Steel sector from 4.42 MT in 2020-21 to 25.33 MT by 2029-30. This includes proposed 8.00 MT washed coal production from SAIL and TATA STEEL. For achieving this, new coking coal washeries have been envisaged. Details are as under:

Out of a total of 8 coking coal washeries in 1st phase:

- 2 Coking Coal washeries constructed and operational
- 3 under construction, out of which 1 has been inaugurated.
- LoI / WO issued for 2 washeries
- 1 tendered and to be opened

4 more coking coal washeries in the 2nd Phase:

- 01 coking coal washery is to be tendered shortly
- 03 Coking coal washeries conceptualised, sites being firmed up

XIV. Coal Pricing Reforms

[Action: CA]

A review meeting to discuss the options of Coal Pricing Reforms was chaired by Secretary (Coal) on 14.01.2022. CIL was asked to explore and submit study of reorganizing Coal grades with tolerance provision of 50-100 GCV. A follow up review meeting was held on 25.02.2022, where CIL submitted its study stating that the aforementioned provision is not financially beneficial to them. CIL has been asked to re-conduct the study by increasing the no. of years for which data is analyzed. CIL has 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 Grade slippage.



XV. Futuristic Agenda



XV (1). Coal to Chemical

[Action: CCT]

Coal Bed Methane:

The Coal Bed Methane Developer (CBMD) for Jharia CBM Block-I has been appointed. Global tenders for Raniganj CBM Block & Sohagpur CBM Block-I, were published for 3 and 2 times respectively, however no bid was received for both these CBM Blocks.

Brief of these three CBM Blocks are given below:

Sl.	Block	Subsidiary	Area (Km ²)	CBM Resource (BCM)
1	Jharia CBM Block – I	BCCL	~26.55	25 BCM
2	Raniganj CBM Block	ECL	~33	2.2 BCM
3	Sohagpur CBM block	SECL	~51	0.5 BCM

Surface coal gasification:

Two gasification projects to be setup on pilot basis. One on high ash coal blended with pet coke and the other from low ash coal for the purpose of establishing technology. Details of these 2 projects as below:

- Talcher Fertiliser plant:** Coal Gasification based on high ash coal mixed with pet coke. Investment: Rs 13277 cr. CIL, RCF and GAIL are equity partners (28%) and project will be financed through loan (72%) from banks. Coal Source: 2.5 MT North of Arkapal block in Odisha allocated to TFL for providing coal and pet coke will be sourced from Talcher refinery.



- Dankuni Methanol Plant:** Coal Gasification based on low ash coal. Investment: Rs 5800 Crs. Project planned through BOO mode and investment will be made by potential investors. Coal Source: 1.5MT Coal will be supplied from SonepurBazari Mines of ECL.

Status update - Tender document for selection of Build-Own- Operator (BOO) Processor for setting up of this plant and its operation for 25 years has been prepared by M/s PDIL and the tender has been floated by M/s PDIL on 25th Sept. 2020. Bid has been opened on 16.04.2021 and one bidder (M/s Prodair Air Products India Pvt. Ltd.) has submitted their offer. PDIL is evaluating the submissions made by the bidder. This tender is under cancellation.

Projects: up scaling the efforts towards coal gasification.

Based on the feasibility studies and establishment of financial viability of Dankuni project, 4 projects have been identified in Phase II for scaling up gasification from low ash coal.

S N	Name	State	Coal feed	Quality
1	Shilpanchal	West Bengal	1.35 MTPA	Low ash
2	Utkarsh	Maharashtra	0.79 MTPA	Low ash
3	Mahamaya	Chhattisgarh	1.35 MTPA	Low ash
4	Ashoka	Jharkhand	PFR under preparation	High ash

- The first CIL project for conversion of coal to methanol at an approximate cost of one billion US \$ was floated on BOO basis at Dankuni in West Bengal in FY 2021. An offer has been received from Air Products of US which is under evaluation. This tender is under cancellation. Two more tenders, one by SECL in Chhattisgarh and another by ECL in West Bengal for Ammonia and Methanol respectively have already been issued in February, 2022. Tender for the project for manufacture of ammonium nitrate in WCL is likely issued by May, 2022. For CCL project, PFR is under preparation and CIL and BHEL are jointly working on this project.

Inputs from CIL on Coal to Chemicals:

A. Dankuni Coal Complex (DCC):

CIL is exploring possibilities for setting-up a SCG based Coal-to-Methanol plant of 0.676 MTPA capacity (Methanol) at DCC near Kolkata through Build-Own-Operator (BOO) mode. Approximately 1.4 Million Tonnes per Annum Low Ash (Upto 25%) Coal from Raniganj Coalfields will be utilized in this project. Tender document for selection of BOO Processor for setting up of this plant and its operation for 25 years has been prepared by M/s PDIL and the tender has been floated by M/s PDIL on 25th Sept. 2020. Bid has been opened on 16.04.2021 and one bidder (M/s Prodair Air Products India Pvt. Ltd.) has submitted their offer.

Status:

PDIL has recommended cancellation of tender process after evaluating the bid received as 'non-responsive'. In deference to the decision of NITI Aayog taken vide meeting dated 15.12.2021, CIL had taken independent legal opinion on the responsiveness of the proposal submitted by the bidder. The legal opinion provided is in line with the PDIL's recommendation. The internal moderation committee at CIL, on the basis of the independent legal opinion, has accepted PDIL's recommendation for cancellation of tender. CIL has forwarded the same to MoC 28- 12-2021, for their inputs/advice prior to placement in CIL Board for final decision on the tender. The validity of the bid submitted was initially upto 12.01.2021 which is extended to 31.03.2022. This tender is under cancellation.

B. Surface Coal Gasification Projects of Subsidiaries:

1. ECL-Shilpanchal SCG Project at SonapurBazari Area, End Product: Methanol

Status: Tender has been floated by M/s PDIL on 31st January, 2022 for selection of BOO Processor for setting up of Surface Coal Gasification based Methanol Project at Bahadurpur, Ranigunj Coalfield, West Bengal and its operation for 25 years. Scheduled Bid submission end date is 04.05.2022.

2. CCL-Ashoka SCG Project at Ashoka Area, End Product: Ammonium Nitrate

Status: PFR for Ammonium Nitrate is under finalization

3. SECL-Mahamaya SCG Project at Bhatgaon Area, End Product: Ammonia

Status: Tender has been floated by M/s PDIL on 29th January, 2022 for selection of BOO Processor for setting up of Surface Coal Gasification based Ammonia Plant at Mahamaya SCG Plant, Bhatgaon Area, Chhattisgarh and its operation for 25 years. Scheduled Bid submission end date is 28.04.2022.

4. WCL-Utkarsh SCG Project at JunaKunad Area, End Product: Ammonium Nitrate

Status: Preparation of BOO tender document by M/s EIL is under progress and tender is expected to be floated in the last week of May 2022.



XV . (2). CIL diversification

[Action: CPIAM]

Diversification was felt a necessity, especially in the light of climate change narrative, diversifying into non-coal, secure new businesses, productively utilize sizeable reserves/funds in their Balance Sheet, fiduciary responsibility towards long-term future of coal-mine workers, leveraging economic growth, particularly in eastern region, need to invest in coal mines and related infrastructure to eliminate substitutable coal imports and support 100 MT coal gasification by 2029-30 and likely coal exports.

Four broad baskets of diversification have been envisaged as below:

- i. New Business Areas (Diversification) to transform CIL/NLCIL from coal companies to energy companies
- ii. Clean Coal Technologies (Technology-related) to provide sustainability to coal business
- iii. Coal Mining Projects (Core business) to help achieve 1 Billion Tonne coal production by 2024 and create related infrastructure
- iv. First Mine Connectivity Projects

The above projects are regularly being monitored by this Ministry.

Inputs of CIL

1. Aluminium Project:

- Initially, it was envisaged to undertake the Aluminium Project (Aluminium Smelter and Captive Power Plant) in JV along with NALCO and the business model proposed for the project was that MCL shall hold 74% equity and NALCO shall hold 26% equity in the JV. Further, alumina for the proposed project was proposed to be supplied by NALCO and coal was proposed to be supplied by MCL.
- However, during the review meeting of diversification projects of CIL dated August 6, 2021 and subsequent review meeting dated August 17, 2021, it was directed to drop the MCL-NALCO Aluminium project from the diversification agenda.
- In view of the MCL-NALCO project has been dropped from the diversification plan, it was proposed to setup integrated Greenfield Aluminium Project including bauxite mining, alumina refinery, aluminium smelting and associated CPP. It was decided that location which was proposed for the Smelter and CPP of MCL-NALCO project may be utilised for this integrated greenfield aluminium project. Further, it was decided to identify and acquire an appropriate bauxite block in Odisha for the proposed project. It is also proposed to set up an alumina refinery at the location of the block bauxite block for complete integrated project of bauxite mining to aluminium smelting.
- M/s Deloitte Touche Tohmatsu India LLP has submitted the revised PFR which has been approved by 238th MCL Board on 24.09.2021 and recommended the same for CIL's approval. Accordingly, the 432nd Board of CIL has approved the revised DPR. CIL has applied for Single Window Clearance in the GO-SWIFT Portal of IPICOL. An RFQ has been floated on 30.11.2021 for shortlisting of equity partner(s) for Integrated Aluminium Project in Odisha.
- The proposal for Integrated Greenfield Aluminium Project in the state of Odisha has been approved by High Level Clearance Authority (HLCA) chaired by Hon'ble Chief Minister of Odisha on December 21, 2021.

- CIL has carried out site visit in the district of Rayagada (proposed site of Alumina Refinery) and Neulapoi (proposed site of Smelter and CPP)
- Application has been made by CIL for allocation of a suitable bauxite block (Sijimali/Kutrumali) in the state of Odisha u/s 17A (2) of MMDR Act, 1957 for the proposed project. Approval is currently awaited for the bauxite block.
- CIL has floated an EOI for equity partner qualification for the proposed project and the last date for submission of response has been extended twice with current last date of submission is April 21, 2022.

2. Solar PV Manufacturing

- CIL, as a part of its diversification program, has decided to proceed for setting up a solar PV manufacturing plant. Hence, in order to make the project viable, CIL is trying to obtain PLI incentives as declared by GoI. Thus, in line with the plan, CIL has participated in the PLI tender for 4GW Wafer to Module. Technical bids for the PLI tender were opened on 21.09.2021. 18 bids have been submitted for a collective capacity of around 54.8 GW. Financial has been opened and CIL has been waitlisted (at Sl. No. 5) in the PLI result
- CIL is also evaluating the most feasible and potential location for the plant. Three locations, namely Kadappa (AP), Dholera (Gujarat) and Cuddalore (Tamil Nadu) have been quoted in the PLI tender as tentative locations. Formal responses on offered tailor-made incentives from Governments of AP and Gujarat are awaited. Cuddalore, Gangaikondan and Odisha(Thirunelveli Dist.) site visit have been carried out.
- RFQ for Selection of Equity Partner has been carried out. BHEL and ReNew Solar (Shakti Four) Private Limited have been shortlisted for the next Stage RFP.



3. Thermal Generation:

- CIL, in line with its diversification plan, is planning for diversification into coal-based thermal power generation business. Hence, as per the plan, CIL has planned to partner with MPPGCL for setting up the ATPS 1X660 MW plant, through its subsidiary South Eastern Coalfields Limited (SECL). The coal will be supplied from nearby Korba area, so that the plant is set up almost similar to a pit-head plant.
- The draft MoU is vetted by CIL's legal consultant and is subsequently agreed by MPPGCL. The approval from SECL and CIL board is obtained on equity investment & draft MoU.
- MoC has conveyed the in-principle approval of the project vide letter dated 30.11.2021.
- As the next step, the MoU between SECL and MPPGCL will be executed.

4. Solar

- CIL has set itself a target of 3000-Megawatt Peak for achieving carbon neutrality by 2023-24. CIL so far has installed 8.436 MW renewable energy capacity till Jan, 22. Further, Ground Mounted Solar Projects of 455 MW (SECL-140 MW, MCL- 50MW, NCL-50 MW, CIL-100 MW, BCCL-45 MW, CCL-20 MW, ECL-35 MW, WCL- 15 MW) capacity is under pipeline. The roadmap to become Net Zero Energy Company by installing Solar PV Projects is mentioned below:

Financial Year	2021-22	2022-23	2023-24	Total
Capacity in MWp	291 MW, 8.436 MW (Completed till Feb 2022)	1500	1213	3000

- Work orders for 190 MW Ground Mounted Projects (GUVNL at Gujarat-100MW, MCL-50 MW, SECL-40 MW) have been issued and are under different stage of commissioning. Tender for 50 MW Project at NCL is finalized and work order is likely to be placed within a week. 11 MW Rooftop Projects are under implementation at CIL/Subsidiaries.
- CIL is participating in Pan-India tenders for developing Solar Power Projects to realize its goal to become a net-zero energy company.
- CIL has incorporated a subsidiary company namely 'CIL NavikarniyaUrja Limited' to venture in to New and Renewable Energy (Non-Conventional) Business.

XV. (3). Robust Media campaign

[Action: Coordination]

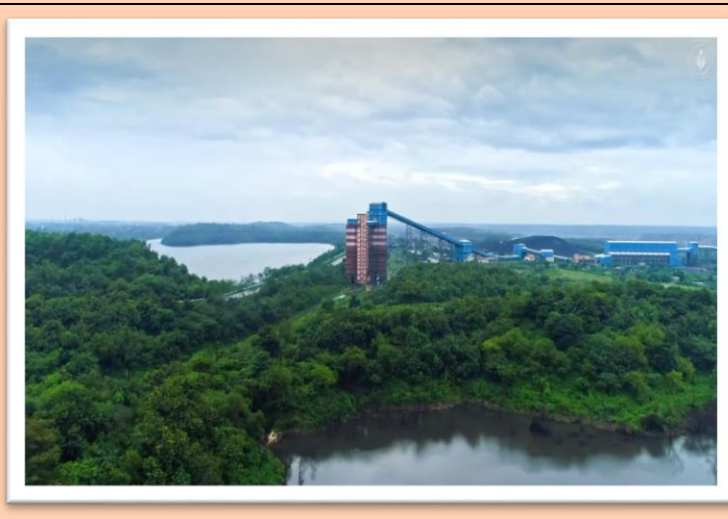
Seven meetings done with NLCIL, SCCL, CIL & its subsidiaries.

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

A new IT & Media Cell will infuse media response from SCCL, NLCIL, CIL & Subsidiaries.

Brief for CPSUs Media Plan:

- The first meeting in this regard was taken by JS(Coord) on 17.05.2021 through VC on robust media campaign needed for perception management for coal sector.
- The second meeting was taken by JS(Coord) on 10.06.2021 with coal companies on media campaign for Coal Sector.



- The third such meeting was taken by Sh. R. R. Mishra, Sr. Advisor SDC on 10.08.2021 regarding finalization of CIL media plan.
- CIL Media Plan was presented to Secy(C) by CIL media team on 13.08.2021.



- CIL has shared the finalized presentation for the meeting on 13.08.2021. The brief highlights for the same are as below-
 - Central points of CIL Media Plan
 - List of Common activities and CIL specific activities
 - Respective Media plan for CIL and its subsidiaries
 - Data on social media presence of CIL and its subsidiaries
- The Fifth meeting to review the progress of Final Media Plan was chaired by JS(Coord) on 17.11.2021.

Story of Coal India on ET Now Swadesh

<https://www.youtube.com/watch?v=1zg23PyoBtc>

- The Sixth meeting was held on 06.01.2022.
- The seventh meeting was held on 12.05.2022.

Inputs of CIL

All new initiatives and endeavours of CIL as a part of a robust media campaign are sent to print, AV media and showcased across all social and digital media platforms of the company on regular basis.

A comprehensive testimonial of the outcome of the robust media campaign is reflected in the media coverages comprising of Chairman CIL's interviews on TV Channels & print media, e-book publications, news generated based on media visit to ECL, news items generated in various publications, films & motion graphics are being submitted in a sharable google drive link

XV. (4). Close monitoring of CSR activities

-Action- CSR&W

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 fund 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

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 PraanaVayu by CIL.

b. Education and Skill Development

- CCL KeLaal 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.)	Promotion of Sports	Disaster Management & Relief (Rs. Cr.)	Other (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 NatyaMandap and other structures near MaaHingula 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 beddedCovid 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.





Annexure-I

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-II**STATUS OF MDO PROJECTS IN CIL – 30-03-22**

S N	MDO PROJECTS	NOs	CAP	PROJECT NAMES	REMARKS
1	MDO Projects	15	170.58	10 OC & 5 UG	-
Projects Commissioned:					
1.1	Production Started	0	0	-	-
LOA/Work order Issued					
1.2	Work awarded	5	95.87	1. Siarnal OC (50 MTY) (Start of Prod- May'22)	LOA issued to M/s. Dilip Buildcon Ltd on 04.03.21. Contract Agreement signed on 01.06.21.
				2. KBP OC (5 MTY) (Start of Prod- Mar-24)	LOA issued to M/s. PMPL-AMR Consortium on 22.01.21. Contract Agreement signed on 26.06.21.
				3. Chandargupt OC (15 MTY) (Start of Prod- Mar-24)	LOA issued to M/s. SIML- MRKR Consortium on 20-12-21. Agreement signed on 18-03-2022.
				4. Ketki UG (0.87 MTY) (Start of Prod- Feb'24)	LOA issued to M/s. SMS Limited on 10-03-2022.
				5. Subhadra OCP (25 MTY) (Start of Prod- Dec'24)	LOA issued to M/s. Essel Mining on 22-03-2022.
Bid opened					
1.3	Bid opened	3	27.87	1. Madannagar OC (12 MTY) (Start of Prod- July'24)	M/s. EMIL emerged as L-1 Bidder with quoted rate of Rs.1180.00/Te. Price justification submitted by L-1 bidder on 13.01.22 but has not reduced the rate. Viability under different combination of selling price (power sector , non-power sector & e - auction) was submitted by CMPDI on 3.3.22 for finalization of tenders. TC meeting held on 4.3.22 & 14.3.22. TC recommended for award of work and the same has been recommended by CoFDs of SECL. Proposal for award of work has been deliberated in SECL Board on 29.03.2022.
				2. Pelma OCP (15MTY) (Start of Prodn. – July-24)	M/s. AEL emerged as L-1 bidder with quoted rate of Rs. 849/-. Price justification submitted by L-1 bidder on 28.01.2022 but has not reduced rate in their offer. Viability under different combination of selling price (power sector , non-power sector & e - auction) was submitted by CMPDI on 3.3.22 for finalization of tenders. TC meeting held on 4.3.22 & 14.3.22. TC recommended for award of work and the same has been recommended by CoFDs of SECL.

				3. Piparwar UG (0.87 MTY) (Start of Prod- Aug'23)	Bid opened on 24-01-22. Three bidders participated. Bid under technical evaluation. Bidders were requested to reply the confirmatory questions by 26.2.22 and all bidders have submitted their reply on 26.2.22. Reply of 2nd Confirmatory questions has also been submitted by bidders on 21.03.22. Proposal is under evaluation. Work will be awarded on 14-04-22.
Projects to be re-tendered					
1.4	To be retendered	2	26.00	1. Sangamitra OC (20 MTY) (Start of Prod- April-'24)	Tender cancelled on 16.03.22. The updated mining charges of the proposal is under preparation at CMPDI, RI-III. Under consideration for further retendering at CCL.
				2. Durgapur OCP (6 MTY) (Star of Prodn – Jun-24	Bids was opened on 15.12.21. No Bid received. Re-tendered on 17.12.21. Bid opened on 24-01-22. No bid received. Again re-tendered on 02.02.22. Bid opened on 14.3.22 but no bid received. Under consideration for further retendering at SECL.
NIT Floated					
1.5	NIT floated	3	10.33	1. Patratu ABC UG (5 MTY) (Start of Prod- Sept'24)	NIT floated on 21-01-22. Opening of bid on 19-04-22.
				2. Itapara OC (3.5 MTY) (Start of Prod- Mar-24)	Customised NIT document approved by ECL Board on 03-03-22. NIT floated on 25.3.22.
				3. Kapuria UG (1.83 MTY) (Start of Prod- Dec'25)	Customised NIT document approved by BCCL NIT floated on 30.3.22.
NIT to be floated					
1.6	NIT to be floated	2	10.51	1. Balabhadra OC (10 MTY) (Start of Prod- Jun-'25)	CIL Board has approved the PR of Balabhadra OCP on 24-01-22. Abridged PR & NIT document under finalisation at RI-7. Floating of NIT on 15.04.22.
				2. Parej East UG (0.51 MTY) (Start of Prod- Nov'24)	PR & NIT approved by CCL Board on 7.3.22. NIT will be floated on 30.03.2022.
	Total MDO Project	15	170.58		

Summary of 15 MDO Projects		
Projects where Prod. Started	NIL	-
Projects whose work has been awarded	5	Siarnal OC, KBP OC, Chandragupt OC, Ketki UG, Subhadra OC.
Bid opened	3	Madannagar OC, Pelma OC, Piparwar UG
To be retendered	2	Durgapur OC & Sanghmitra OC
NIT floated	3	Patratu UG, Itapara OC & Kapuria UG
NIT to be floated	2	Balabhadra OC, Parej East UG
Total Projects	15	