



## e-News Letter CMPDIL



February 2023

### DG, DGH visited CMPDI



Shri S.C.L. Das, Director General, Director General of Hydrocarbons, Ministry of Petroleum & Natural Gas, Govt. of India, met Shri Manoj Kumar, CMD, CMPDI at Ranchi to discuss the related issues for early execution of CBM Projects of Jharkhand. Shri Ajay Kumar, Director(Technical/P&D), CMPDI and Shri C. Patra, GM(CED/UMD), CMPDI were present on this occasion.



CMPDIL team and E.D (ICT), CIL met Shri B. Veera Reddy, D(T), CIL on 01.02.2023 and briefed about the collaborative efforts made by CIL and CMPDI towards establishing a Data Analytics Ecosystem for CIL. The discussion, inter alia, included the upcoming Data Lake by CIL and the proposed Center of Excellence (CoE) on Data Analytics at CMPDI. The rate at which Data is generated at CIL these days makes Data Analytics the navigator for overall Digital Transformation.

## **CMPDI submitted Report on," Risk Assessment & Adequacy Study for Lightning Protection and Earthing System.**



CMPDI's, RI-V, Bilaspur Successfully Prepared and Submitted Report on," Risk Assessment & Adequacy Study for Lightning Protection and Earthing System at Saraipali OCP, Korba Area to SECL. SECL has entrusted the work to CMPDI, RI-V, Bilaspur. The report is in Compliance with DGMS Rules. It is a first-of-its-kind study in Coal India Ltd. The report contains all the aspects of Lightning protection with respect to Opencast Mines. Implementation of recommendations will enhance the safety of the establishments & manpower from lightning surges in the Opencast mines leading to lesser downtime during monsoon season. This will also open-up a new domain of revenue generation for CMPDIL from CIL as well as from non-CIL mines.

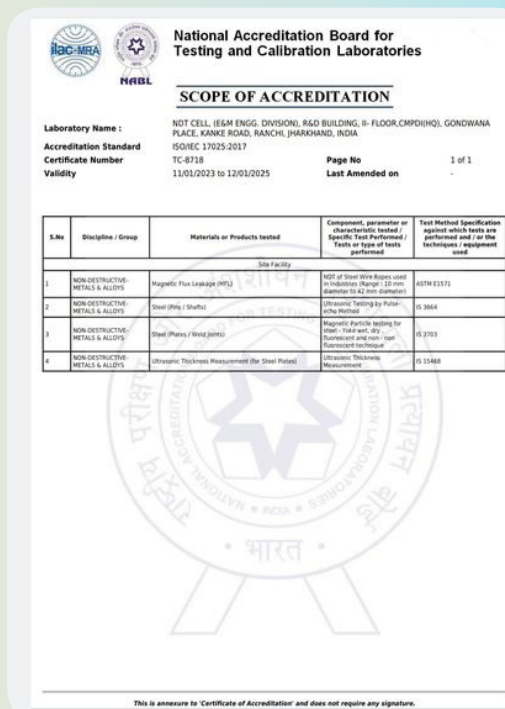
## **CMPDI bags order as PMC for installation of Solar Power Plant.**



CMPDI's, Regional Institute-V, Bilaspur has bagged the order from South Eastern Coalfields Limited (SECL) as Project Monitoring Consultant (PMC) for Installation of 850kWp Ground Mounted Solar Power Plant at Saraipali OCP, SECL (from Concept to Commissioning as well as operation and maintenance). With this RI-V, Bilaspur has established itself as SPMC consultant in the emerging Solar Sector.



## CMPDI obtained NABL accreditation for NDT (Non-Destructive Test).



CMPDI's, NDT cell, (E&M Engg Division.) has been assessed by National Accreditation Board for Testing and Calibration Laboratories (NABL) and granted accreditation certificate in accordance with standard ISO/IEC 17025: 2017 "General Requirements for the Competence of Testing & Calibration Laboratories" for its facilities in the field of testing with the scope of Magnetic Particle Testing; Ultrasonic Testing; Ultrasonic Thickness Measurement of various equipments used in Mines; NDT of Steel Wire Ropes. CMPDI obtained accreditation for NDT of Steel Wires Ropes in the current FY 2022-23 and in respect of other three parameters CMPDI had accreditation since 2019 and now it has been renewed.

NABL recognition establishes the competence of CMPDI in testing and also increases the confidence, reliability among the customers regarding the reports/calibration services provided by CMPDI.

NDT (Non-Destructive Test) is carried out to identify/detect the faults (or) joints (or) leakages in various equipment and machinery used in Underground and Opencast Coal Mines and also in various other industries to prevent mishaps and accidents due to failure/breakdown of such equipment. Thus, NDT is an important test from safety point of view as it offers a safe and reliable way of testing. NDT is also a statutory requirement as per DGMS rules.

**Non Destructive Tests can be carried out in CMPDI Laboratory in respect of the following:-**

1. CHPs. at U/G as well as OC Mines.
2. Chairlift Man Riding System used in Underground mines including steel wire rope from 10 mm to 42 mm diameters.
3. Winding Engine Installation, Cage Suspension Gears, inclined balance rope from 10 mm to 42 mm diameters used in U/G mines.
4. Endless and Direct Haulage including steel wire rope from 10 mm to 42 mm diameters.
5. Areal Rope Ways from 10 mm to 42 mm diameters steel wire ropes.
6. Long Wall Powered Support System.
7. Various HEMMs i.e Draglines, Ropes Shovels, Hydraulic Excavators, Dumpers of various capacities, Motor Grader, Water Sprinkler, Drill Machines, Wheel and Chain Mounted Dozers, Tyre Handlers, Mobile and E.O.T Cranes.
8. Pressure Vessels Test by Ultrasonic Thickness Measurement of air pressure tanks of various HEMMs.

## Workshop on Rocscience Software Modules.



CMPDI organised 6 days Workshop on '**Rocscience Software Modules**' for the executives of Planning, Geology, Slope Stability and Civil Department of CMPDI (HQ) and all Regional Institutes which concluded on 11<sup>th</sup> Feb' 2023. In this Workshop, extensive discussions on Rock Mechanics, Geotechnical aspects and Slope Stability issues in Coal Mines were held along with hands on training on Rocscience Software Modules. Queries raised by the participants were addressed.



दिनांक 28.02.2023 को सीएमपीडीआई, राँची में निदेशक (तकनीकी/सीआरडी) श्री एस. के गोमस्ता की उपस्थिति में कोयला मंत्रालय के अधिकारियों श्री मनोज कुमार, उप निदेशक (राजभाषा) और श्री मनीष कुमार, वरिष्ठ अनुवाद अधिकारी द्वारा कार्यालय का राजभाषा निरीक्षण किया गया। इस निरीक्षण के दौरान कोयला मंत्रालय द्वारा दी गई प्रश्नावली पर बिंदुवार चर्चा की गई तथा कार्मिक और प्रशासन विभाग का औचक निरीक्षण भी किया। उप निदेशक महोदय ने राजभाषा कार्यान्वयन में सीएमपीडीआई द्वारा किये जा रहे प्रयासों की सराहना की तथा मूल रूप से हिंदी पत्राचार व हिंदी टिप्पणियों की प्रतिशतता को बढ़ाने संबंधी विभिन्न सुझाव भी दिए।



### **AADHAR UPDATION CAMP**

CMPDI organised Two day Aadhaar Updation Camp at CMPDI(HQ), Ranchi from 8.02.2023 to 9.02.2023 in association with Ranchi Regional Office of UIDAI. In this camp, total 67 members consisting of employees of CMPDI(HQ), RI-III and their family members updated/changed/rectified their credentials.



## Inauguration of Rock Cutting Machine.



Shri R.N.Jha, Director (Technical/RD&T) inaugurated Rock cutting machine of Mine Ventilation & MT Lab Services department on 21.02.2023. This machine will be used for preparation of Rock/Coal core samples for different Physico - mechanical properties tests.



Shri R.N.Jha, Director (Technical/RD&T), CMPDI, Ranchi attended the inauguration ceremony and Second Meeting of the Advisory Committee of "National Center of Excellence on Carbon Capture and Utilization" (NCoE-CCU) at IIT Bombay on 11.02.2023 as Expert Member. The meeting was chaired by Dr. V. K. Saraswat, Hon'ble Member, NITI Aayog.

## Shri R.N.Jha, D(T/RD&T) visit to RI-V, Bilaspur.



Shri R.N.Jha, D(T/RD&T), CMPDI visited RI-V, Bilaspur in February 2023 and chaired a meeting to review the performance of RI-V. Shri Jha also reviewed the CSR works being executed by RI-V under Azadi Ka Amrit Mahotsav. Shri I.D.Narayan, RD, RI-V, GMs/HoDs were present. Shri Jha praised the efforts of RI-V and advised to diversify into various fields, explore ways for value addition and to achieve the assigned targets. Shri Jha also visited, "Amrit Kunj" (a park developed by RI-V, on the banks of River ARPA) and said this park help in conservation of River.



## **Corporate Social Responsibility.**

### **CMPDI through CSR Provided a 5 Seater Vehicle to Karuna NMO.**



Shri Shankar Nagachari, D(T/ES) flagged off a 5 Seater vehicle (Eco CNG) which was provided to Karuna NMO, a NGO based in Ranchi through CMPDI CSR funds amounting to Rs. 6.85 lakhs. This vehicle will augment the efforts of Karuna NMO, Ranchi to serve the society in an effective manner and also helpful for reaching to children in distress and for commuting children to regular hospital visits.

CMPDIL under its CSR has provided the 5 Seater Vehicle to Karuna NMO as per the MOA signed between CMPDI and Karuna NMO in November 2022. Dr. Kumkum Vidhyarthi from Karuna NMO thanked CMPDIL for delivering the vehicle which will benefit orphan children and ease their operations. Shri R. K. Mahapatro, General Manager (HRD/CSR) and his team and Dr. Kumkum Vidhyarthi, Secretary, Karuna NMO were present on this occasion.

## **Medical Camps**

### **CMPDI under CSR organised 05 Medical camps in February 2023.**

CMPDI organised 05 nos. of medical Camps at various villages under its command areas. CMPDI through these medical camps not only rendering medical advice and carrying out pathological tests as per the requirements but also provided Medicines free of cost to more than 1700 Person. In these medical camps protein rich nutrient food/groceries also distributed to reduce malnutrition among children. Medical camp was organised to provide the basic health facilities, for detection of any abnormalities in the earlier stages so that the people can seek timely medical intervention.

Medical camp was organised at the following locations

1. Govt. Middle School, Jharia Vihar Colony, Dhanbad, Jharkhand
2. Jobhiya village, Ranchi District, Jharkhand.
3. Nawadih village, Lapra Panchayat of Ranchi District, Jharkhand.
4. Govt. Middle school, Bhuniyatoli, McCluskieganj, Lapra Panchayat of Ranchi District, Jharkhand
5. Near Govt.Aided Middle School, Kudumkela, (Dist.) Raigarh, Chattisgarh.





## CMPDI installed 100 nos. of Solar Powered Street Lights.



Solar Street Lights Jamgora Village  
23.63914, 87.33341, 29.5m, 162°  
4 Feb 2023 5:02:16 pm



Solar Street Lights Jamgora Village  
23.65208, 87.32674, 35.3m, 303°  
4 Feb 2023 4:42:48 pm



Solar Street Lights Jamgora Village  
23.64601, 87.32716, 31.8m, 4°  
4 Feb 2023 4:34:30 pm

CMPDI's, Regional Institute -I, Asansol under CSR Installed 100 nos. of Solar Powered Street Lights in Jamgora Village, (Dist) Paschim Bardhaman, West Bengal at a cost of 15.10 lakhs. These Solar Street lights impacting the life of people in a positive way in accessing the roads, markets during night time apart from being economical and environmental friendly. CSR Committee along with OIC Mollarpur Sub-Camp visited the Jamgora village and interacted with the people of the village to get the feedback. People expressed their happiness towards this CSR initiative of CMPDI.

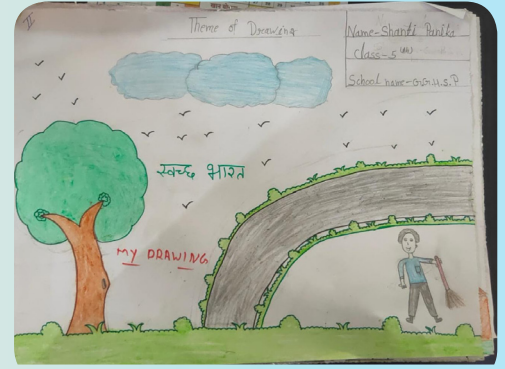


## **SAPLING PLANTATION**

**CMPDI distributed 1400 nos. of Saplings.**



Regional Institute-VI, Singrauli, under Swachh Bharat and as part of "Swachhata Action plan", distributed 900 fruit bearing saplings to the students of Government Girls High School, Panjher, Singrauli and Shri Sai Sail Mahavidhyalaya, Singrauli and also 500 saplings at Government High School at Ujheni village, Singrauli. On this occasion children were advised to plant saplings and keep their surrounding clean.



Regional Institute -VI, Singrauli as part of 'Swachhata Action Plan' organised 'Drawing competition' on the theme "Swachh Bharat" at Government Girls High School in Panjher, Singrauli and Shri Sai Sail Mahavidhyalaya Singrauli. CSR Committee members and other officials of CMPDI were present.

## **Knowledge Sharing Sessions.**



Regional Institute-IV, Nagpur organised a Knowledge Sharing Session on the topic, "The basics of the PS module of ERP". In this session Significance of the PS module in monitoring projects taken by CMPDI, integration of PS module with other ERP modules, importance of various standard tables in the PS module to determine the current status of projects were explained.





Regional Institute -V, Bilaspur organised a Knowledge Sharing Session on the topic, "Urgent need of Transdisciplinary, Translational Research and Academics in Mineral Rich States and Sustainable Development". In this session, the Chief Speaker Dr. S.Jayanthu, NIT, Rourkela delivered his presentation on Challenges related to Mining Industry and possible Solutions.

## SPORTS

### अन्तर क्षेत्रीय संस्थान कैरम प्रतियोगिता 2022-23 चैंपियनशिप

चैंपियनशिप विजेता सीएमपीडीआई(मुख्यालय) टीम; उपविजेता क्षेत्रीय संस्थान-3.

सीएमपीडीआई, क्षेत्रीय संस्थान-2, धनबाद में दिनांक 06.02.2023 से 08.02.2023 तक अंतर क्षेत्रीय कैरम प्रतियोगिता का आयोजन अन्नपूर्णा भवन, कोयला नगर, धनबाद में किया गया। इस प्रतियोगिता में सीएमपीडीआई(मुख्यालय) एवं सभी क्षेत्रीय संस्थानों के टीमों ने भाग लिया।

प्रतियोगिता में शानदार प्रदर्शन करते हुए टीम चैंपियनशिप की विजेता मुख्यालय तथा उपविजेता क्षेत्रीय संस्थान-3 की टीम हुई। एकल प्रतियोगिता में श्री सोनू पांडेय, क्षेत्रीय संस्थान-3 विजेता एवं श्री बी. राजू, मुख्यालय उपविजेता हुए, वहीं डबल्स के विजेता श्री बी. राजू एवं श्री श्याम सोनार की जोड़ी एवं उपविजेता श्री सोनू पांडे एवं श्री एस. बनर्जी, की जोड़ी रही।



## Retirements.



**Shri D. Bhattacharjee,  
GM(O.C.), CMPDI(HQ).**



**Shri Krishna Kumar,  
Sr. P.A (A-1), BDD, CMPDI(HQ).**



**Shri Dasarath Ram,  
O.S, M.M Dept., CMPDI(HQ).**



**Shri Rishi Kumar Mishra,  
G.M (E&M), RI-III.**



**Shri Sadhaan Banerjee  
Senior Scientific Assistant, Grade-A.  
RI-I, Asansol.**