

PHYSICAL SESSION SCHEDULE

DAY 1, 22nd January 2021

8:30 AM	Registration of Delegates/Paper Presenters		
9:30 AM	Registration of VIPs		
10:00 AM	Arrival of Chief Guest and Guests of Honour		
10 AM to 11: 45 AM	Inaugural Function		
12:15 PM	Inauguration of Exhibition		
12:30 PM to 2:00 PM	Keynote Session		
Chairman	Shri S S Sinha , DT(P&P), NCL		
Co- Chairman & Rapporteur	Shri N B Singh, Ex GM(Excv), NCL		
1	Future of Coal in India	Dr Anindya Sinha	DT(O), NCL
2	Geotech properties of cemented coal fly ash backfill	Erol Yilmaz	Turkey
3	Development of a Model to find Relation Between the Stripping Ratio and Strike Length of a Coal Mining Block Area: In the Light of	P M Prasad	CMD CCL
4	Blast free and eco-friendly coal winning	Baban Singh	DT P&P, MCL
Hall A			
2:30 PM to 4:00 PM	Technical Session -A-1		
Theme : Production, Productivity In Opencast Mines			
Chairman	Prof Piyush Rai		
Co- Chairman & Rapporteur	Shri S Ghori		
	Tech papers	Author	Institution
1	Determination of Maximum Production Capacity at Optimal Traffic Density in an Open Cast Mine	J. P. Dwivedi (Keynote Paper)	Nigahi Area, Northern Coalfields Limited
2	Deep Hole Drilling, Charging and Blasting- A Case Study of Challenges in 21st Cut Dragline Bench of Khadia Project (14 MTPA)	Sri A N Pandey	Khadia project, NCL
3	Bina Extension to Bina Kakri Amalgamation Open Cast Project: A sustainable coal mining approach from 7.5 to 17.5MTPA production	L. P Godse	Bina Extn. Project, Northern Coalfields Limited
4	Maximizing Dragline Bench Coal Exposure: Concept of Dual entry and Bridge Roll-over	Umesh Mahto	Sasan Coal Mine, Singrauli
5	Modified Tandem Operation of Draglines	Kusumakar	Dudhichua, NCL
6	Judicial Demarcation of Coal Block Boundaries considering Geomining Constraints in Exploiting	Satyaveer Singh	CMPDI RI VI
Hall A			
4:15 PM to 6:00 PM	Technical Session -A-2		
Theme : Safety in Opencast Mines			
Chairman	Shri J. P. Dwivedi		
Co- Chairman & Rapporteur	Shri R B Prasad		
	Tech papers	Author	Institution
1	Legislative Changes in Occupational Health and Safety	Prakash Rai	S&R Deptt., NCL.
2	An overview of Geo-technical studies in Deep Opencast Coal Mines of Northern Coalfields Limited	Sunil Kumar Karn	S&R Deptt., NCL.
3	Aiming zero failure of power transformer during operation at mines	Sanjeev Kumar	S&R Deptt., NCL.
4	Development of Dump Slope Rating system in an Open cast Mine	A K Verma	IIT (BHU), Varanasi
5	A Virtual Reality Platform for Training in Coal Mine	Akhori Anand Kumar	Startup, MCIE, NCL-IIT BHU
6	Postural Risk Assessment of Mine Equipment Operators Using Rapid Upper Limb Assessment	K. Jithendar Singh	IIT (BHU), Varanasi

DAY 2, 23rd January 2021

Hall A

9:30 AM to 11:30 AM

Technical Session -A-3

Theme : Environmental Sustainability

Chairman	Shri Bipin Kumar		
Co- Chairman & Rapporteur	Shri Harish Duhan		
1	Keynote Paper	G K Pradhan	AKS Satna
2	Solar Power Project Installation for Optimization of Energy Expenditure in NCL and Way forward to become Net Zero Energy Company	T K Tripathi	Northern Coalfields Ltd., Singrauli
3	Energy Benchmarking: the driver for mitigation of climate transition risk faced by coal to power from opencast mines	Smt Suchandra Sinha	Northern Coalfields Ltd., Singrauli
4	Morphological and leaching characteristics of fly ash-mine overburden-clinker composite materials	Sunil Kumar, Anand Kumar, Sanjay Kumar Sharma, Brind Kumar	Indian Institute of Technology (BHU) Varanasi
5	Qualitative Assessment of Rihand Reservoir Water with Special Reference to Multivariate Statistical Analysis	Arif Jamal	Indian Institute of Technology (BHU) Varanasi
6	Methane hydrates: future energy or salvation	Pradeep Kumar Giri	Khadia project, NCL

Hall A

11:45 AM to 1:30 PM

Technical Session -A-4

Theme : Economics in Opencast Mining

Chairman	Shri Aarif Jamal		
Co- Chairman & Rapporteur	Shri P.K. Biswal		
	Tech papers	Author	Institution
1	A case study of turnaround of financial health of Bina Deshaling Plant amid COVID-19 pandemic	L. P. Godse	Bina project, Northern Coalfields Limited
2	Hurdle to Headway: Planning, Design, Development & Maintenance Four Lane Haul Road amid Heavy Rainfall at Nigahi OCP, NC	Satish Jha	NCL HQ
3	A whitepaper on addressing the opportunity cost by reducing machine downtime	L. P. Godse	Bina project, Northern Coalfields Limited
4	Best Practices in maintenance and operation in Open Cast Coal Mines for Economizing the Power Cost	Sharad Kumar Verma	NCL HQ
5	A Study of the Performance of Autonomous Haulage Systems (AHS)- Cost Benefit Analysis and Application	U S Shukla	Dudhichua Area, Northern Coalfields Limited
6	Improvement in Blast Fragmentation using Dynamic Computational Approach	Dr. Suresh Kumar Sharma	Indian Institute of Technology (BHU) Varanasi

Hall A

2:00 PM to 3:30 PM

Theme : Innovation, Automation, Miscellaneous in Opencast Mining

Chairman	Shri Rajendra Rai		
Co- Chairman & Rapporteur	Shri C S Tiwari		
	Tech papers	Author	Institution
1	SARAS-NCL's approach towards Innovation and Sustainable Development through Scientific Research	Dr. Anindya Sinha	NCL HQ
2	Exploring possibilities of use Sensor/ Camera Based Array System combined with data analysis through Machine learning algorithms, in Fixed structures like Coal Handling Plant for real time monitoring,early detection with prediction of abnormal heat generation at space covered with array	V. K. Agarwal	Kakri Project, NCL
3	Practical approach of planning in OC mines: An Experience at Amlohri Project	RAJIV KUMAR	NCL AMLOHRI
4	Remote health monitoring in hammer mill by IOT	Sourav Chakraborty	Eastman Crusher Company Pvt.
5	DAV in Coal India Limited	B Jayapradha	DAV Amlohri
6	Optimising HEMM performance for enhanced productivity	Tarun Kumar	Ex. GM(EXCV), NCL

Hall A

3:30-5:00 PM

Exhibitor Session

Chairman	Shri S S Sinha (D(T/P&P)), NCL
Co- Chairman & Rapporteur	Shri Sanjay Kumar, GM(Excv), NCL

5:00 PM

Valedictory Session