



SKILLING IN MINING

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SKILL COUNCIL FOR MINING SECTOR
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CONTENTS

<i>TITLES</i>	<i>PAGES</i>
Webinar on “Overview of The Mines Act”	1
41st Meeting of the Governing Board of Skill Council for Mining Sector	1
MOU with OSDA	1
MOU with CCL	2
Mining & Exploration	3
Allied Industry	4
General	5
Gleanings from Ministry of Skill Development & Entrepreneurship	6
Skill in Parliament	7
SCMS in Action	10



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From the desk of CEO



Dear all,

I take privilege to convey my greetings on the wonderful new year 2024 to all the members of Governing Board of SCMS, my fellow colleagues, officials of MSDE, NSDC & NVCET, Ministry of Labour & Employment, Ministry of Mines, Chairperson(s) of District Mineral Foundation Trusts, my Co- CEOs of other skilling councils, our industry partners, training & assessment agencies, and all other stake holders connected with SCMS directly or indirectly.

Through this in house magazine, I would like to share couple of highlights for the year 2023: -

First of all, I am pleased to inform signing of an **MOU with ODISHA SKILL DEVELOPMENT AUTHORITY (OSDA)**, Skill Development and Technical Education Department, Bhubaneswar on 21st December, 2023 for conducting STT in respect of 120 candidates in the job roles of HEMM Mechanic & Mine Welder. This project will be launched in Jan/Feb.

You must be aware that SCMS entered another **MoU with the Singrauli District Administration and Govt. ITI, Singrauli, Madhya Pradesh** on 4th May, 2023 for the execution of the **SANKALP** (Skill Acquisition and Knowledge Awareness for Livelihood Promotion) Scheme of the Ministry of Skill Development and Entrepreneurship, GoI. Under this MoU, 510 local unemployed candidates of the Singrauli district shall be trained and certified in job roles of Dumper/Tipper Operator, Mine Mechanic/Fitter/Welder, HEMM Mechanic and Mine Electrician. As of now 60 candidates are certified on the role of mine mechanic/ mine welder and rest of the training is progressing well.

During last calendar year SCMS has signed an MOU with AKS University -Satna (MP) on 28th January, 2023 and another MOU with Vivekanand Polytechnic Sitasaongi, Bhandara (Maharashtra) on 9th May, 2023 to align mining related -NSQF job roles for diploma mining students. Few more such discussions are in progress.

We have successfully accomplished the skilling project awarded by DMFT Jajpur (Odisha) in December, 2023 whereby out of trained 210 candidates in the job roles of Mine Electrician, Mine Welder & HEMM Mechanic, 160 (76 %) are well placed. Besides this, 1002 mine workers were trained & certified under RPL. Similarly, skilling project with DMFT-Latehar in the job roles of Excavator and Loader operators is completed and out of 196 certified trainees 69% are placed.

Readers would be happy to know that the MOIL-CSR sponsored training for a special batch of 30 female candidates for the job role “Rig Mounted Drill Operator” which was commenced on 3rd January, 2023 was successfully completed in April, 2023 wherein all the trainees are certified. Currently they are undergoing apprenticeship training at Awarpur Cement Works, Maharashtra, Hirni Cement Works & Rawan Cement Works, Chhattisgarh.

On the training front, SCMS has certified 2,468 candidates under STT & RPL. We are proud to have active galaxy of 98 Trainers & 18 Master Trainers with 424 certifications and 34 Assessors & 20 Master Assessors with 407 certifications.



I am pleased to inform that as recommended by our governing board , SCMS has conducted 4 webinars during last calendar year; on “Digital Technologies: Indian Mining Success Stories” by Dr. Dheeraj Kumar , Deputy Director & professor of IIT (ISM) Dhanbad (27.06.2023), “Skill Development Training-Approach and Implementation Strategy for Mining Industry” by Mr. Rabindra K Singh, Head Training (Raw Material), HRM, Tata Steel (16.09.2023), Overview of “The Mines Act, 1952” by Mr. A R Vijay Singh, FCC(Min), Chartered Accountant, Bangalore (07.10.2023), “Overview of The Mines Rules, 1955” by Mr. Chandrasekhar C, FCC (R& UR), Blasting Expert Manager, Mangalore (11.11.2023). Such series were well received by participants, and this will be a continuous affair now.

SCMS has collaborated with TATA Steel Ltd. for the baseline and Skill Gap Assessment surveys for its upcoming mining projects in Odisha. The survey was conducted in the month of September, 2023 covering around 500 households /respondents along with elected and government representatives of the villages, blocks, and districts. We have submitted draft report and in the process of submitting final report along with our recommendations. Besides this, we have also collaborated with TATA Steel Mining Ltd. (which has recently been merged with TATA Steel Ltd.) for the training program of 18 females and transgender candidates in the Dumper/Tipper job role. The training is ongoing at Sukinda, Jajpur, Odisha. These candidates will be provided job opportunities after successful completion of the training program.

Now in the coming quarters we plan to enter into many more MOUs with Distt Mineral Foundation Trusts in the mining dominated states, execute skilling projects with public and private sector mining industries and their MDOs, extend support to skill universities in rolling out provisions of NEP and lastly re-strengthening our Governing board with inclusion of new members. For all these agenda we look forward and request support from all our stake holders.

I would like to express my gratitude and thanks to all our members, partners, team members-SCMS and stakeholders for holding trust on the affairs of SCMS and look forward for continued patronage, guidance, and support in future as well.

Wishing you and your family members a safe, healthy, and prosperous year,

Regards,

Sanjay Sharma

Webinar on “Overview of The Mines Act”

SCMS conducted an online refresher session on “Overview of The Mines Act, 1952” on 7th October, 2023 to help the First and Second class manager’s competency examination aspirants for their upcoming exams. Mr. A R Vijay Singh, FCC (Min), Chartered Accountant, Bangalore deliberated on the following topics-

- Insights into The Mines Act, 1952.
- Probable/Previous years Examination Questions.
- Q & A Session.

The second series on the “Overview of The Mines Rules, 1955” was conducted on 11th November, 2023 wherein Mr. Chandrasekhar C, FCC (R& UR), Blasting Expert Manager, Mangalore shared his experiences. The participation was very encouraging, and we have got positive feedback.

41st Meeting of the Governing Board of Skill Council for Mining Sector

The 41st meeting of the Governing Board of Skill Council for Mining Sector (SCMS) was held on 27th October, 2023 at FIMI House, New Delhi which was chaired by Mr. Pankaj Kumar Satija, Executive Incharge, Ferro Alloys and Minerals Division, Tata Steel Ltd & Chairman-SCMS. Further, Chairman-SCMS.



GB meeting in progress

MoU with Odisha Skill Development Authority for NUA Odisha Scheme

Skill Council for Mining Sector (SCMS) signed an MOU with Odisha Skill Development Authority (OSDA) on 21st December, 2023 for short term skilling project covering 120 candidates (60 candidates in HEMM Mechanic and 60 candidates in Mine Welder job role) under Nutana Unnata Abhilasha (NUA) Odisha scheme. The MoU was signed by Shri Reghu G. (IAS), CEO-OSDA, Shri Himanshu Kumar Panigrahi, Deputy Director of Employment of Odisha, Shri Sanjay Sharma, CEO-SCMS and Shri Navneet Kumar, Head- Business Development & Operations, SCMS.

NUA Odisha scheme aims to empower Odisha's youth with continuous skilling, reskilling, and up skilling opportunity from FY 2023-24 to 2025-26. The scheme covers all 30 districts, prioritizing Aspirational, Tribal, and remote areas to be implemented by the Directorate of Employment, Directorate of Technical Education & Training, and the World Skill Centre. The scheme leverages existing and new skilling institutions and partnerships with industries to deliver training. Training offerings range from fresh skilling for youths and supplementary courses to digital and e-courses for higher education students. The scheme includes establishing advanced labs, incentivizing training providers, curriculum development, and training of trainers. The NUA Odisha scheme signifies the state's commitment to inclusive growth through skill development, aligning modern technologies with traditional sectors for a dynamic and sustainable future.

SCMS is pleased and honored for being selected as one of the implementing organizations under this flagship scheme.

MOU with Central Coalfield Limited

Skill Council for Mining Sector (SCMS) has signed an MOU with Central Coalfield Limited, Ranchi, a subsidiary of Coal India Limited on 4th November, 2023 for conducting a Skill Development program for 60 local candidates/PAPs of CCL in the Chatra District of Jharkhand under their CSR initiative so as to make them employable in the job roles of Loader Operator- Mining. This would be a residential program for a period of 3-4 months. The MOU was signed by Mr. Balkrishna Ladi, General Manager- CSR on behalf of CCL and Mr. Sanjay Sharma, CEO-SCMS in the presence of Mr. S.S. Lal, Chief Manager, CSR, CCL, Mr. John Bodra, Deputy Manager, CCL, and Mr. Navneet Kumar, Head- Business Development and Training Operations, SCMS. This project has been facilitated by Deputy Commissioner of Chatra District, Jharkhand. The training center has been identified, ground preparation is in progress and training is likely to be commenced by February 2024.



MOU - SCMS & Central Coalfield Limited

MINING & EXPLORATION

Coal-based plants to meet much of incremental power demand: Crisil

The plant load factor or capacity utilisation of coal fired thermal power plants is expected to improve 100 basis points to 65% this financial year despite strides achieved in renewable energy capacity addition, according to a study. Power demand is seen growing 5-6% and a large portion will be met by existing coal-based plants despite renewable energy accounting for 90% of the 34GW capacity added in the last two years, Crisil said in its report. In GW terms, this is a 9% growth in power capacities but on normative terms this is only 4-5% growth because renewables operate at 20% (for solar and wind) and 40% (for hydel) capacity. Thermal plants function at 65% plant load factor so in this incremental supply coal-based power plants remain an important cog accounting for 69-71% of total power generation. "That said, a good portion of the incremental generation will be met by existing coal-based power plants as material coal-based capacity is envisaged this fiscal and relatively low-capacity addition of hydro, biomass and nuclear," Crisil said.

(The Financial Express, New Delhi – 17 November, 2023)

Future of coal is bright in India; technologies to help sustainable extraction of dry fuel: FutureCoal

The future of coal in India is bright as there are technologies available which can help the country extract, use and combust the dry fuel far more sustainably, FutureCoal on 20th November, 2023 said. Coal is considered to be the biggest contributor to climate change with thermal electricity being responsible for nearly 30 per cent of global greenhouse gas (GHG) emissions. "The future of coal in India is bright we believe that there are technologies that are available which can help India extract coal far more sustainably, use it far more sustainably, combust it far more sustainably, and post combustion treatment to coal can reduce Co2 emissions by as much as 99 per cent," FutureCoal Board member Sunil Chaturvedi said.

The FutureCoal Global Alliance is an organisation representing the entire value chain and is dedicated to raising awareness on the contribution of the fossil fuel. He further said 70 per cent of electricity generation comes from coal. India has moved from last 15 years to supercritical and ultra super critical technologies. That means India as a country, is combusting coal far better, efficiently and in a less polluting manner. "This will continue because coal is not only for electricity generation. A lot of improvement has happened, but things are still evolving," Chaturvedi explained. He said that by 2030 when the thermal power share will come down to 30-35 per cent or so, India will still need 1.5 billion tonne of coal. Therefore, production of the fossil fuel in India has to go up. FutureCoal Chief Executive Michelle Manook was of the view that the future of coal in India is exciting.

(The Economic Times, New Delhi – 20 November, 2023)

ALLIED INDUSTRY

India's steel capacity crosses 161 MT mark, says Steel Secretary Nagendra Sinha

India's steel capacity has crossed 161 million tonnes and the industry is poised for continued growth, Steel Secretary Nagendra Nath Sinha said on Tuesday. As per the National Steel Policy, India has an ambitious target of installing 300 MT steel capacity by 2030. "We have already crossed 161 million mt of capacity, comprising 67 MT by blast furnace-basic oxygen furnace (BF-BoF) route, 36 MT by electric arc furnace (EAF) and 58 MT by induction furnace (IF) route," Sinha said addressing the '4rth Indian Steel Association (ISA) Steel Conclave' event in the national capital. He further stressed that the steel sector in India is poised for continued growth. Sinha said, India is the world's fourth-largest automobile market, and it is expected to grow at a CAGR of 8-10 per cent over the next 10 years. Moreover, the manufacturing sector saw a Compound annual growth rate (CAGR) of 7-8 per cent and this is driving demand for steel in both the sectors.

(The Economic Times, New Delhi – 7 November, 2023)

India's steel demand to touch 190 MT-mark in 2030; production to reach 210 MT

India's steel demand is expected to grow at a CAGR of 7 per cent to touch 190 Million Tonne (MT) level by 2030, according to a report by SteelMint India. The demand will be largely fueled by construction and infrastructure sectors, which contribute 60-65 per cent to the demand, the market research firm said. In 2030, India's steel demand is projected to reach 190 MT based on a 7 per cent Compound Annual Growth Rate (CAGR). "In the best-case scenario, it can also reach 230 MT by 2030," the report titled 'India's Steel and Coking Coal Demand 2030' stated. The demand will also be pushed by sectors like auto and engineering, and factors like population growth, growing urbanization, and various government initiatives will be its key drivers. The demand is expected to touch 120 MT mark by 2023-end, and production will be at 136 MT, as per the report. India's crude steel production is expected to be at 210 MT by 2030, 45 per cent higher from production levels of 2023.

(The Economic Times, New Delhi – 26 November, 2023)

Steel demand to witness continued growth next year

India's steel demand is set to continue its growth trajectory during 2024 but may slacken, as general elections due next year could potentially slow government spending, predict industry insiders and experts. With a consumption growth rate of around 15% y-o-y (year-on-year) in the first 10 months of the year, the overall Indian steel industry has experienced a demand surge that aligns directly with the overall GDP growth. Steel demand registered a growth of about 10% during FY23, when consumption touched 120 MT.

"Steel demand growth has been way higher than GDP growth this fiscal because of extensive government spending on infrastructure in a pre-election year and acceleration in the pace of construction and infrastructure ahead of the general elections next year," SteelMint, a market intelligence and price reporting firm, said. Under the budget for FY24, capital investment outlay for infrastructure was increased by 33% to ₹10 trillion, which is almost three times the outlay of 2019-20.

"India's emphasis on sustainable solutions is expected to drive increased usage (of stainless steel) across traditional applications, process industries, and the household sector, as well as in emerging strategic sectors such as defense, aerospace, and the green and blue economies," Abhudhay Jindal, managing director of JSL said. Tata Steel sees growth in demand for steel to stay for the medium term. "The Indian economy is likely to remain buoyant even with a high-interest rate environment, and Indian steel demand is expected to retain its growth momentum. Investments in infrastructure and real estate, strong consumer sentiments, and

government focus on turning India into a global production hub will continue to drive the domestic steel demand in India," Tata Steel said in an email response.

However, some observers see elections impacting the sector. "We might witness a decline in demand during Q4. As the election code of conduct kicks in, it is likely to have an influence on the impetus to infra and construction spending. So, we can expect a shift from the current 15% growth to around 10% by the close of FY24," said Priyesh Ruparelia, vice president, co-group head, corporate sector ratings at Iera Ltd. Anticipating India's growth story to continue, top domestic players have also announced significant investments during the current fiscal year, but that is being threatened with the country becoming a net importer of steel.

India, during the first seven months of the current fiscal year (April – November), transitioned into a net importer of the alloy, importing 4.3 million tonnes of steel, as against exports of 4 million tonnes during the same period last year. The industry has met the government on the issue, which has promised to act on it. Jindal, meanwhile, suggests a short-term implementation of restrictions on import to ensure level-playing field.

"To address the influx of substandard imports from China, we advocate for a short-term implementation of a level-playing field, particularly crucial as one-third of the stainless steel industry falls under the MSME category. Additionally, the higher costs of logistics and capital in India have made the Make in India initiative less competitive, although the government's introduction of a logistics policy is a positive step," said Jindal. "In response to global tariff barriers like anti-dumping duties and countervailing duties on Chinese products, we urge the government to establish similar barriers in India. Even the EU is planning a non-tariff barrier like CBAM," he added. Tata Steel claimed that being one of the lowest-cost producers of steel, cheap imports haven't had any impact on it, but believes any predatory pricing will be dealt with at the government-industry level. **(Livemint.com – 25 December, 2023)**

GENERAL

National Skill Plan in works to map HR needs in each district

The government is readying to launch a National Skill Development Plan, said people familiar with the development. It will help map human resource requirements in each district of the country which will form the basis for setting up skilling targets under the fourth-phase of the flagship skilling scheme, Pradhan Mantri Kaushal Vikas Yojana (PMKVY 4.0). they said.

The move signals a strategic shift since targets have so far been based on sector-wise demand, said a senior government official. "The idea is to expand outreach of the Skill India Mission and ensure employment generation even at the district level and below while also preventing large-scale migration to urban centres for work," said the official, who did not wish to be identified.

The proposed plan will focus on aspects including labour market and skill gap analysis, mapping demand for skilled workforce in the formal sector and employment generation capacity in each district. The demand and supply map of skilled manpower at the district level will then be used to formulate dedicated district plans that will flow into the state skill development plans. officials said.

The Ministry of Skills Development and Entrepreneurship (MSDE) is gearing up to launch the fourth phase of the flagship skilling scheme, which is yet to secure the cabinet's approval. However, the government has moved ahead with the first round of financial sanctions under the scheme, said one of the officials.

The initial plan was to run the scheme for four years from 2023, with a target to train 15 million youths at an estimated cost of ₹6,000 crore. However, ₹950 crore has been allocated to run the scheme in this financial year till the cabinet approves the fourth phase of the scheme. The government will soon set up a steering committee, under the chairmanship of MSDE secretary, to provide broad policy direction and allocation of targets under the PMKVY 4.0, as per the guidelines for the scheme seen by ET.

The fourth phase of PMKVY will primarily focus on demand for skilled manpower for national priority projects, including those under the PM GatiShakti and the Sagarmala Project, besides catering to demand from various sector skill councils. PMKVY 4.0 will focus on local opportunities in the farm and non-farm sectors, as well as skilling requirements of the local industry within each district. It will also seek to address the requirement of industry from emerging sectors such as drones, artificial intelligence (AI), robotics and mechatronics.

(The Economic Times, New Delhi – 28 November, 2023)

GLEANINGS FROM

MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP

Ministry of Skill Development and Entrepreneurship reports growth in training institutes and seating capacity in Year-End Review 2023

On 26th December, 2023, the Ministry of Skill Development and Entrepreneurship released its Year-End Review for 2023, highlighting the initiatives and activities undertaken throughout the year. The ministry claims that an increase in the number of institutes has been observed, with 4,621 new establishments added since 2014, bringing the total to 14,953 by 2022—a growth of 47.77%. Additionally, over 25 lakh seats have been made available for the 2021-2023 sessions. The government claims a 25% increase in total seating capacity.

Furthermore, the ministry reports the creation of 17,175 trainer seats to date, marking a growth of 49.8%. A 223 courses have been introduced, including 150 CTS, 55 CITS, 14 STT, and 4 Advanced Diploma courses. The introduction of National Skill Training Institutes (NSTIs) in 2015, with 33 NSTIs currently in operation (19 exclusively for women), that aims to skill development in the country.

The ministry has also emphasised its flexibility through the Flexi MoU Scheme, signing 13 MoUs under the revised guidelines by November 30, 2022. Notable collaborations include an MoU between the National Institute of Open Schooling (NIOS) and the Directorate General of Training (DGT) to strengthen linkages between school education and vocational education/skilling. Another MoU was inked between DGT and NIESBUD for a five-day online Training of Trainers Programme on “Employability, Entrepreneurship, and Life Skills” for instructors of ITIs.

The report further underlined that in the area of vocational training, 152 NSQF-compliant trades under the Craftsmen Training Scheme aim to provide a skilled workforce to industries. Notably, 21 NSTIs have been designated as NIESBUD centres for entrepreneurship courses, and 33 NSTIs (along with 2 extension centres) are now NIOS and IGNOU centres for certifications in higher education and degree courses. The ministry claims that it is focusing on New Age Courses, with an emphasis on enhancing women’s participation by approving fee relaxation for tuition and exams for women candidates under CITS/CTS for the session 2023-24. The PMKVY Skill Hub Initiative, particularly the introduction of drone-related courses in ITIs, reflects an approach to upskilling and reskilling.

Under the Skill India Mission, it claims that the flagship Pradhan Mantri Kaushal Vikas Yojana (PMKVY) was launched in 2015, aiming to provide short-term skilling opportunities for Indian youth. The Ministry further claims that as of December 13, 2023, close to 1.40 crore candidates have been trained under PMKVY. The launch of PMKVY 4.0 in the Union Budget 2023-24 aims to upskill youths, particularly in Industry 4.0, AI, robotics, mechatronics, IoT and drones. The PM Vishwakarma Yojana, dedicated to uplifting artisans, was introduced to enhance their skills and market access. The scheme recognises 18 trades and offers benefits like recognition, toolkit incentives, and credit support to artisans.

Skill India Digital, a new digital platform, integrates various initiatives and provides a centralized enrollment platform for skills and jobs. It introduces a Digital Skill Card, convergence of government schemes, and a marketplace for skills services. The ministry has approved 146 future skills qualifications to date, focusing on Industry 4.0 areas such as Precision Agriculture, Predictive Maintenance, Simulation Technologies, Data Analysis, and Telemedicine.

Under the National Skill Development Corporation (NSDC), fee-based training across 40 sectors has been initiated, with 32,700+ centres established since 2014. The NSDC Skill Loan initiative and disbursement of funds for skill development infrastructure showcase ongoing efforts to support skill training. The Apprenticeship Training programme, with around 7.09 lakh apprentices engaged, is seen as a sustainable format for skill development. The Direct Benefit Transfer (DBT) under NAPS has streamlined stipend disbursement.

Entrepreneurship initiatives include the establishment of NIESBUD extension centres, partnerships with Meta for digital marketing skills, and the introduction of online e-mentoring platform “UdyamDisha.” The SANKALP programme, launched in January 2018, focuses on institutional strengthening, improved program quality and enhanced access to skill training for females and disadvantaged groups. Notably, 748 District Skill Committees have been instituted, contributing to the decentralisation of skill development planning, as mentioned by the ministry.

(The Financial Express, New Delhi – 26 December, 2023)

SKILLS IN PARLIAMENT

Rajya Sabha Unstarred Question No. 2042 answered on 20.12.2023

Increasing Employability Through Skill Development

2042. Shri Dhananjay Bhimrao Mahadik:

Will the Minister Skill Development and Entrepreneurship be pleased to state:

- (a)** the steps taken by Government to improve employability of youth through skill development; and
- (b)** the steps taken by Government to cater to new age job roles?

Answer

**Minister of State in the Ministry of Skill Development and Entrepreneurship
(Shri Dharmendra Pradhan)**

(a) & (b) Under the Govt of India’s Skill India Mission, the Ministry of Skill Development and Entrepreneurship (MSDE) delivers skill, re-skill and up-skill training through an extensive network of skill development centres/colleges/institutes etc. under various schemes, viz. Pradhan Mantri Kaushal

Vikas Yojana (PMKVY), Jan Shikshan Sansthan (JSS), National Apprenticeship Promotion Scheme (NAPS) and Craftsman Training Scheme (CTS) through Industrial Training Institutes (ITIs), to all the sections of the society across the country. The SIM aims at enabling youth of India to get future ready & industry ready skills.

Following specific steps have been taken to align the training programs to market needs and improve the employability of trainees:

- i. The training programmes offered under the schemes of MSDE are developed in collaboration with industries, keeping in view market demands. 36 Sector Skill Councils (SSCs), led by industry leaders in the respective sectors, have been set up by National Skill Development Corporation (NSDC) which are mandated to identify the skill development needs of respective sectors as well as to determine skill competency standards.
- ii. Future ready job-roles addressing the requirement of Industry 4.0, emerging sectors like Drone, Artificial Intelligence (AI), Robotics, Mechatronics, etc., have been prioritized under PMKVY 4.0. Under CTS also, new age courses have been developed to meet the demand of futuristic job roles in emerging technologies.
- iii. The National Council for Vocational Education and Training (NCVET) has been set up as an overarching regulator establishing regulations and standards to ensure quality in the Technical and Vocational Education and Training (TVET) space.
- iv. The Awarding Bodies recognised by NCVET are expected to develop the qualifications as per the industry demand and map them with the identified occupations as per the National Classification of Occupation, 2015, of Ministry of Labour and Employment and obtain industry validations.
- v. Directorate General of Training (DGT) is implementing Flexi MoU Scheme and Dual System of Training (DST). These initiatives are meant to provide training to ITI students in industrial environment.
- vi. Courses aligned to National Skills Qualification Framework (NSQF) also have components of On Job Training (OJT) and employability skills.
- vii. DGT has also signed MoU with IT Tech companies like IBM, CISCO, Future Skill Rights Network (erstwhile Quest Alliance), Amazon Web Services (AWS) and Microsoft to ensure industry linkages for the institutes at the state and regional levels under Corporate Social Responsibility (CSR) initiatives.
- viii. NSDC, under the Market led program, provides support to training providers that collaborate and align skill courses with industry demand.
- ix. Under NAPS, apprenticeship training and increasing engagement with industrial establishments for undertaking apprenticeship programmes is promoted.
- x. Government of India has signed Migration and Mobility Agreement with ten countries viz., U.K.; France, Germany, Israel, Taiwan, Austria, Mauritius, Australia, Portugal and Finland for aligning skilling with demand in these countries.
- xi. Government of India has announced setting up of 30 Skill India International Centers for catering to the demand for skilled workers for foreign countries.

(Rajya Sabha, New Delhi – 20 December, 2023)

Rajya Sabha Unstarred Question No. 2044 answered on 20.12.2023

Skill Development at Global Level

2044. Shri Kailash Soni:

Will the Minister Skill Development and Entrepreneurship be pleased to state:

- a) Whether the Ministry is working for skill development in the country.
- b) The factors that have led to India's growing recognition in the global skills landscape; and
- c) Whether the country can sustain this progress and further enhance its competitiveness, if so, the details thereof?

Answer

**Minister of State in the Ministry of Skill Development and Entrepreneurship
(Shri Dharmendra Pradhan)**

(a) Under the Govt. of India's Skill India Mission (SIM), the Ministry of Skill Development and Entrepreneurship (MSDE) delivers skill, re-skill and up-skill training through an extensive network of skill development centres/institutes etc. under various schemes, viz. Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Jan Sikhshan Sansthan (JSS), National Apprenticeship Promotion Scheme (NAPS) and Craftsman Training Scheme (CTS) through Industrial Training Institutes (ITIs), to all the sections of the society across the country. The SIM aims at enabling youth of India to get future ready & industry ready skills.

(b) & (c) Factors to be attributed to India's growing recognition in the global skills landscape inter-alia include demand of skilled workforce across the globe and India's favorable demographic dividend; comprehensive network of skilling infrastructure catering to short term training, including Recognition of Prior Learning, and Long Term Training, offering courses in diversified trades; setting up of NCVET as the overarching regulatory body entrusted inter-alia with development, qualitative improvement and regulation of vocational education and training; continuous development of training courses in response to emerging market needs and consistent efforts to enhance cooperation with other countries and international institutions in the domain of skill development to bring visibility to the skilling landscape of India to the world.

The following measures have also been taken by the Ministry to further enhance the competitiveness of India:

- Bilateral engagements with different countries to provide a framework of cooperation in areas like information exchange, standard setting, skill harmonization, recognition of qualification, etc.
- Business to Business Agreements by National Skill Development Corporation (NSDC) with business entities of various countries to facilitate overseas mobility of Indian skilled workforce, capacity building of trainers, employer engagements, etc.
- Studies to ascertain focus countries to enhance skilled mobility and employment.
- Setting up of Skill India International Centers (SIICs) to deliver training according to international standards and provide counseling, assistance with passport and visa procedures, and post-placement support, etc.

(Rajya Sabha, New Delhi – 20 December, 2023)

SCMS IN ACTION

Meeting with Udaipur Chamber of Commerce

Upon invitation, Mr. Sanjay Sharma, CEO-SCMS, attended a meeting with Senior officials and Mining committee members of Udaipur Chamber of commerce, Udaipur on 3-4 October, 2023. During the meeting Mr. B H Bapna, Chairman-Mewar Polytex, Mr. Sanjay Singhal-President-UCCI, Mr Shekhar, Mr Nalwaya-Aravali minerals, Col Narendra Singh Shaktawat-CEO, Mr. Sunil Vashisht (HZL) and Mr. Yash Sharma, Incharge, -Vocational Training Centre of UCCI were present. Deliberations were made on the modalities to participate during PMKVY- RPL scheme, becoming Training Partner, interface with ITI colleges to train them in mining job roles -linked to apprenticeship-placement. SCMS has allocated 270 RPL numbers to UCCU under PMKVY scheme.

Kaushal Deekshant Samaroh 2023

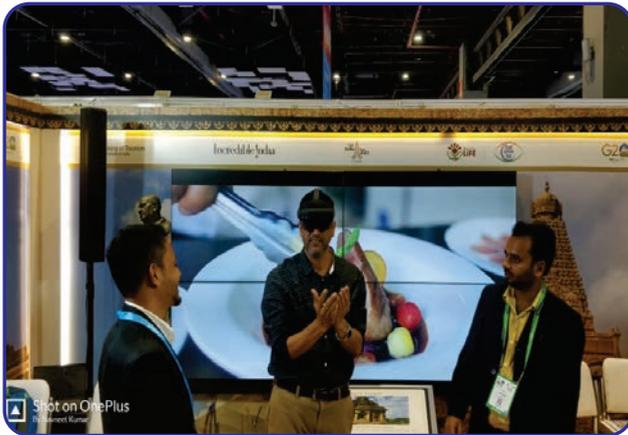
Upon invitation, Mr. Sanjay Sharma, CEO-SCMS attended 'Kaushal Deekshant Samaroh 2023', organized under the aegis of MSDE on 12th October, 2023 at AICTE, New Delhi. The event celebrated the dedication of lakhs of students who completed training through various Skill India programs from institutions like PMKK, ITIS, DGT, PMKVY, Skill India International Centre etc. A few of the awardees, through their emotional speech made audience spellbound when they described the benefit of the skill programs, support extended not only by IITs, their instructors but also parents. It was heartening to see female candidates entering the profession of Turner, Plumber, Carpenter, and Aviation etc. through govt launched skill initiatives. Many of the candidates were excited to get their placement in Germany and Japan. This convocation underscored a multidisciplinary approach, emphasizing the establishment of industry-relevant standards, robust curricula, and international benchmarked skilling opportunities. The event reinforced the nation's commitment to skill development and empowerment. The event was inaugurated by Shri Dharmendra Pradhan, Hon'ble Minister of Education, Skill Development & Entrepreneurship and in the presence of many other dignitaries, Shri. Rajeev Chandrasekhar- Hon'ble Minister of State MSDE, Mr. Atul Kumar Tiwari, Secretary MSDE, Dr. Nirmaljeet Singh Kalsi, Chairperson, National Council of Vocational Education and Training (NCVET) and Mr. Ved Mani Tiwari-CEO, NSDC. The live address by Hon'ble Prime Minister, Shri Narendra Modi enthralled the audience on hearing PM's vision of harnessing youths through focused training, making them relevant in the evolving job landscape.



Glimpses from the event

Indian Mobile Congress (IMC) 2023

Mr. Sanjay Sharma, CEO-SCMS along with Mr. Navneet Kumar, Head-Business Development and Training Operation participated in the Indian Mobile Congress (IMC) 2023 held at Pragati Maidan, New Delhi on 27th October, 2023. The event was inaugurated by Hon'ble Prime Minister Shri Narendra Modi. Post event also visited booths of the Ministry of Coal, Ministry of Mines, Ministry of Tourism, and Department of Science and Technology and also met Dr. Dheeraj Kumar, Deputy Director, IIT-ISM Dhanbad (GB Member of SCMS) and Mr. Danish, CBDO, TEXMiN, at TEXMiN booth. TEXMiN demonstrated 5G applications on various mining activities in an open-cast coal mine in real time. The live demo of remote operation of Jumbo drill machines at HZL mines was also amazing & encouraging.



CEO-SCMS Understanding the process of remote operation



Visit at TEXMiN booth

"Rashtriya Ekta Diwas" (National Unity Day)

The Birth Anniversary of Sardar Vallabhbhai Patel, the architect of national integration of independent India, is observed as "Rashtriya Ekta Diwas" (National Unity Day) on 31st October every year. This is an occasion to foster and reinforce our commitment to strengthen the unity, integrity, and security of the nation. In the spirit of National Unity Day, Shri Ved mani Tiwari, CEO-NSDC administered the pledge to many participants including CEOs & Staff of Sector Skill Councils. The team SCMS also connected virtually and took the pledge.

1st Australia-India Education and Skill Council meet

Mr. Sanjay Sharma, CEO-SCMS along with couple of other CEOs from select Sector Skill Councils attended 1st Australia-India Education and Skill Council meet held at IIT Gandhinagar on 6th November, 2023. The meeting was jointly chaired by Hon'ble Minister of Education, Skill Development and Entrepreneurship Shri Dharmendra Pradhan and Australian Hon'ble Minister for Education Mr. Jason Clare, and Minister for Skills and Training Mr. Brendan O'Connor who joined online. This collaboration will bring focus on promoting internationalization, two-way mobility in the domains of education as well as the skill ecosystem.

On 7th November, 2023, attended focused group discussions on " Strengthening Partnership in Vocational Education and Training on the sidelines of Australia - India Education and Skill councils. These sessions were chaired by Ms. Sonal Mishra JS, MSDE and Dr. Nirmaljeet Kalsi and chairperson NCVET. Shri Ved Mani Tiwari, CEO of NSDC also shared his thoughts during the session.



Australia-India Education and Skill Council meet

Building Alliances to shape the Future of Skill Development

Mr. Sanjay Sharma, CEO-SCMS along with all other team members connected online & witnessed the MoU signing ceremony - 'Building Alliances to shape the Future of Skill Development, a Joint Collaboration between IIS Kanpur, IIT Kanpur, HAL, Dassault Aircraft Services India organised by MSDE on 9th November, 2023 at Kaushal Bhawan, New Delhi. The ceremony was chaired by Hon'ble Minister of Education, Skill Development and Entrepreneurship Shri Dharmendra Pradhan along with other dignitaries, Dr. Nirmaljeet Kalsi, chairperson NCVET, Shri Atul Tiwari, Secretary- MSDE, Shri Mihir Kanti Mishra- Chief Executive Officer-HAL, Dr. S Ganesh-Executive Director, IIT-Kanpur, Shri Ved Mani Tiwari-CEO, NSDC.

“Collaborative workshops with Sector Skill Councils (SSCs) for a vibrant skill ecosystem in Odisha”

“Collaborative workshop with Sector Skill Councils (SSCs) for a vibrant skill ecosystem in Odisha” organised by the Skill Development & Technical Education Department, Government of Odisha on 23rd November, 2023 at Mayfair Heritage, Puri, Odisha. Mr. Sanjay Sharma, CEO-SCMS attended the workshop as a panelist and shared challenges & opportunities in the mining sector in the state of Odisha. During the workshop the ‘Nutana Unnata Abhilasha (NUA) Odisha’ flagship skilling scheme was launched to empower

Odisha's youth with continuous skilling, reskilling, and up skilling opportunity prioritizing aspirational, tribal, and remote areas. The workshop was addressed and graced by Shri Pritiranjana Gharai, Hon'ble Minister of Rural Development, Skill Development, and Technical Education, Govt. of Odisha, Smt. Usha Padhee (IAS), Principal Secretary, Skill Development and Technical Education, Shri Reghu G. (IAS), Director, Technical Education and Training, many other officials from educational institutions and fellow CEOs from sector skill councils.



Mr. Sanjay Sharma, CEO-SCMS attended the workshop as a panelist

National Skill Conclave Gujarat

Mr. Sanjay Sharma, CEO-SCMS attended ‘APAC National Skill Conclave - Gujarat’ Jointly hosted by the ‘Labour, Skill Development and Employment Department, Government of Gujarat’ and ‘Gujarat Skill Development Mission in Ahmedabad on 30th November, 2023 as one of the panelists and shared his thoughts on the theme “Bridging the gap in industry academia collaboration-outlining action plans”.



Mr. Sanjay Sharma, CEO-SCMS, on the dais



Mr. Sanjay Sharma with other dignitaries

FIMI's Managing Committee Meeting

Managing Committee Meeting of Federation of Indian Mineral Industries (FIMI) was organised on 1st December, 2023 at FIMI House, New Delhi. Mr. Sanjay Sharma, CEO-SCMS, attended and shared updates/highlights of Skill Council for Mining Sector.



Mr. Sanjay Sharma, sharing updates on SCMS

Conference on Redefining Employment and Employability

Mr. Navneet Kumar, Head- Business Development and Training Operation-SCMS attended the conference on Redefining Employment and Employability: Navigating Talent and Jobs Landscape, organised by CII at Taj Mahal Palace, New Delhi on 19th December, 2023. The inaugural address was given by Dr. Nirmaljeet Singh Kalsi, Chairman, NCVET. The conference witnessed the launch of CII-Wheelbox India Skills Report 2024 and CII- Taggd India Decoding Jobs Report 2024. These reports also cover various aspects such as Growth area, challenges, opportunities available in mining sector, highlights of which are as under: -

India Skill Report 2024

AI-powered safety monitoring systems in high-risk sectors like construction and mining detect hazards, averting accidents and reducing injury rates by 25% (IBM).

Taggd India @77 and beyond Sectoral Report 2024

Sectors like Semiconductors, EVs, Renewable Energy, Metal and Mining, Defense Manufacturing, and Aviation are showing interesting growth signals.

Metals and Mining Sector at a Glance- 2024 Forecast

GDP Contribution is expected to be 4.6%

Total revenue is expected to be 202 bn \$

Growth of the market is expected to be 9.4 %

Key sub-segments are: - Iron & Steel, Coal & Lignite Mining, Copper & Non-Ferrous Metals.

As of FY22, the sector's significance is underscored by the sheer scale of its operations, with an estimated 1,425 reporting mines across the country.

Growth Areas in the Indian Metals & Mining Sector

The Indian mining industry employs 1.3 million individuals India's crude steel production, a testament to its global standing, reached 125.32 MT in FY23. With a growth projection of 4-7% for FY24, the steel sector remains a key contributor to India's manufacturing output. Significant growth is observed in various minerals, including Manganese Ore, Magnesite, Gold, Chromite, Iron Ore, Limestone, and others. This positive trajectory indicates opportunities for job creation in exploration, extraction, and processing activities related to these minerals.

Opportunity -1

The mining of the materials needed for renewable energy technologies, such as lithium and rare earth metals, can have a significant environmental impact. It is imperative that the government and businesses carefully consider these challenges and develop solutions to address them to ensure a smooth and successful transition to a clean energy future.

Opportunity-2

Significant growth is observed in various minerals, including Manganese Ore, Magnesite, Gold, Chromite, Iron Ore, Limestone, and others. This positive trajectory indicates opportunities for job creation in

exploration, extraction, and processing activities related to these minerals. Cumulative production of crude steel finished steel, and steel consumption during April-February FY23 underscore the sector's resilience and growth potential. Notably, the industry aims to achieve a production capacity of 300 MT by 2030, emphasizing its ambitious growth targets.

The FDI Policy for the metals and mining sector allows 100% FDI through automatic routes for steel, mining, coal, and lignite, providing a conducive environment for international players to contribute to the sector's expansion. The Production Linked Incentive (PLI) Scheme for Specialty Steel, introduced by the government, has seen robust participation. 67 applications from 30 companies have been selected, attracting a committed investment of Rs. 42,500 crores. This initiative not only boosts investment but also creates downstream capacity and employment opportunities, contributing to talent trends in specialized areas of the sector.

Opportunity-3

The government's focus on the steel sector is further evident in the guidelines for the approved specialty steel PLI scheme, announced in October 2021. The scheme aims to attract investments worth Rs. 400 billion and expand specialty steel capacity by 25 million tons by FY27.

Opportunity-4

In October 2021, India and Russia signed a Memorandum of Understanding (MoU) to collaborate on research and development in the steel sector, with a specific focus on producing coking coal. Such international collaborations not only foster innovation but also bring about opportunities for skilled professionals in research and development roles.

Opportunity-5

Tata Steel plans for reaching 25 MTPA by 2025 and 40 MTPA by 2030. The hiring outlook is equally strong, with plans to onboard record campus recruits and a demand for experienced talent, focusing on core engineering skills and emerging areas like sustainability and digital expertise.

Challenges in Talent Management of Metals and Mining Sector (Which can be an opportunity for SSC)

Skill Diversification: The evolving nature of the industry, driven by technological advancements and sustainability goals, necessitates a diversified skill set. Upskilling the existing workforce and attracting professionals with expertise in areas like digital technologies and sustainable practices has become critical.

Global Competition for Talent: As the industry attracts foreign investments and collaborations, there is a potential increase in competition for skilled talent. Attracting and retaining top talent in a globalized market becomes a challenge.

Adaptation to Technological Changes: The implementation of advanced technologies, such as automation and IoT, requires the workforce to adapt. Reskilling and training programs have become essential to ensure that employees can effectively work with these technologies.

SANKALP Project

SCMS entered an MoU with the Singrauli District Administration and Govt. ITI, Singrauli, Madhya Pradesh on 4th May, 2023 for the execution of the SANKALP (Skill Acquisition and Knowledge Awareness for Livelihood Promotion) Scheme of the Ministry of Skill Development and Entrepreneurship, GoI. Under this MoU, 510 local unemployed candidates of the Singrauli district shall be trained and certified in job roles of Dumper/Tipper Operator, Mine Mechanic/Fitter/Welder, HEMM Mechanic and Mine Electrician. As of now 90 candidates have been trained and out of which 60 stand certified in the job role of Mine Mechanic/ Fitter.



Glimpses of Assessment

MOIL Ltd. Reskilling and Upskilling Program for Regular & Contractual Workforce

SCMS has been awarded the project for RPL/reskilling/upskilling training program of 400 regular/contractual workforce of MOIL Ltd. at various mining locations in Maharashtra and Madhya Pradesh on 3rd November, 2023. So far 353 candidates have been trained and assessed till December, 2023. The program has been planned with 2 days of soft skills and domain skills training followed by assessment on the third day.





Assessment at MOIL

**NLC India Ltd. Reskilling and Upskilling Program
for Regular & Contractual Workforce**

SCMS has been awarded the project for RPL/reskilling/upskilling training program of 360 regular/contractual workforces (i.e. 12 batches) by NLC India Ltd. on 6th December, 2023 wherein in the employees will be trained & assessed for the job roles of Assistant-Open Cast Mines, Bulldozer Operator, Driver Special Utility Vehicle, Belt Conveyor Maintenance, Dumper/Tipper Operator, Mine Electrician, Mine Welder, HEMM Mechanic, Backhoe Loader Operator, Excavator Operator, Mine Mechanic/Fitter and Rescue Personnel. The training program is planned in 2+1 mode (2 days of soft skills and domain training followed by assessment on the third day). Training program commenced on 11th December, 2023 and shall be completing by February, 2023.



Glimpses of Assessment



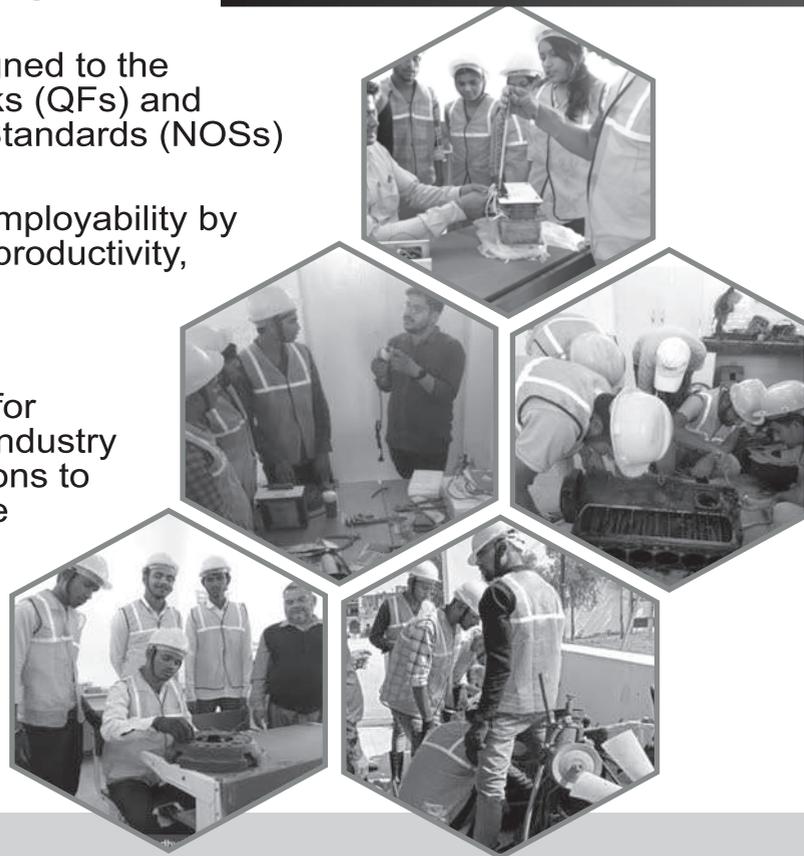
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- Providing opportunities for domain training to fulfil industry demands and expectations to maintain the chain of the domain market.
- Creating a pool of certified trainees according to the industry demands of the mining sector.

Glimpses of ongoing training for mining trainees in Singrauli (MP) under SANKALP project



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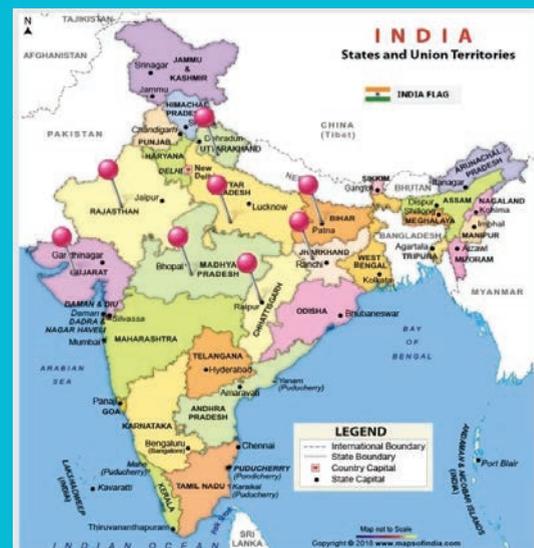
CUATCREST Academy Private Limited is a Young and Dynamic Organization. Founded in 2017 CUATCREST is managed by professionals from various domains. CUATCREST has served in field of Skill Development, Training & Placement services to Educational Institutes and Hiring Solutions for Corporates.

We have gathered a team of experienced experts from academia that help our clients in field of higher education segment to get various Accreditations like NAAC, NBA etc.

The secret of our success is to walk that extra mile to delight our clients CU@CREST has strong expertise and capabilities to align with various departments and ministries under central and state government to help our clients get impaneled and get work orders for skill development projects. We also help our clients execute skill development and vocational training projects across India to provide employment and livelihood to unemployed Indian youth. CU@CREST is in the business of empowering people and enlightening the lives of socially and economically underprivileged people. Our area of operations includes the remotest of villages, where we interact with local stakeholders and mobilize unemployed rural youth.

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