



EIC (Electricity)-cum-PCEI & SDA (O),
Dept. of Energy

EIC (Electricity)-cum-PCEI & SDA Odisha

Report on One-day Conference & Expo on 'Investment Bazaar for Energy Efficiency'

7th February 2023 at Swosti Premium, Jayadev Vihar,
Bhubaneswar





One-Day Conference on 'Investment Bazaar for Energy Efficiency'



EIC (Electricity)-cum-PCEI & SDA (O),
Dept. of Energy

Date: 7th February 2023

Venue: Swosti Premium, Jayadev Vihar, Bhubaneswar

Programme

Time	Topic	Speaker
09:30 AM -10:00 AM	REGISTRATION	
INAUGURAL SESSION		
10:00 AM-10:10 AM	Welcome Address	Mr. Shubhabrata Rath, Regional Director, ASSOCHAM
10:10 AM- 10:20 AM	Theme Address	Smt. Vineeta Kanwal, Director-BEE
10:20 AM-10:30 AM	Special Address	Mr. Suresh Chandra Maharana, EIC cum PCEI, Odisha.
10:30 AM- 10:40 AM	Special Address	Shri Gautam Patra, General Manager-Cum-Convenor, UCO Bank, SLBC, Odisha.
10:40 AM-10:45 AM	Launching of Brochure on "EE Financing opportunities in Odisha"	
10:45 AM-10:55 AM	Inaugural Address	Ms. Nibedita Mishra, OAS (SAG) Additional Secretary to Govt., Department of Energy
10:55 AM-11:00 AM	Vote of Thanks	Mr. Shubhabrata Rath, Regional Director, ASSOCHAM
11:00 AM-11:15 AM	Visit to exhibition area and Group Photograph followed by Tea	
TECHNICAL SESSION: 1		
Investment opportunities in large industries		
11:15 AM-11:20 AM	BEE's Financing Initiatives for Energy Efficiency	Smt. Vineeta Kanwal, Director-BEE
11:20 AM-11:30 AM	EE Financing schemes available for large industries	Mr. Ankur Hazarika, DGM, PFC
11:30 AM-11:45 AM	EE Financing schemes available for large industries	Mr. Naresh Kumar, AGM, Canara Bank
11:45 AM-12:00 PM	A Case Study on Energy Efficiency	Mr. Debanath Bera, CEO, Ranchi Partners Management Consultant Pvt. Ltd
12:00 PM-12:15 PM	Presentation (showcasing bankable project-1)	Mr. Srinibash Kar, Energy Manager, Ferro Alloy Corporation Limited
12:15 PM - 12:30 PM	Presentation (showcasing bankable project-2)	Mr. Sandeep Nanda, Energy Manager, Nava Bharat Ventures Limited
12:30 PM - 12:45 PM	Presentation (showcasing bankable project-3)	Mr. Jyoti Ranjan Tripathy, AGM, Jindal Stainless Ltd
12:45 PM - 01:00 PM	Presentation (showcasing bankable project-4)	Mr. J P Chaudhury, Energy Manager, Jindal Steel & Power Ltd
01:00 PM- 01:15 PM	Q&A	
01:15 PM-02:00 PM	LUNCH	
TECHNICAL SESSION: 2		
Investment opportunities in MSMEs		
02:00 PM -02:15 PM	Presentation (showcasing bankable project-5)	Mr. Puspahash Mohanty, Energy Manager, GMR Kamalanga Energy Ltd



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Time	Topic	Speaker
02:15 PM -02:30 PM	EE Financing schemes available for Industries	Shri Pradyumna Kumar Choudhury, DGM, SIDBI, Odisha
02:30 PM -02:45 PM	Presentation on EE financing schemes	Mr. Kasi Biswanath Dash, AGM SME, SBI
02:45 PM -03:00 PM	Energy Efficient Motors investment potential	Mr. Damodar Sahoo, Service Manager, Kirloskar Brothers Limited
03:00 PM-03:15 PM	Energy efficiency financing schemes in MSMEs	Mr. Dibyajyoti Pattanaik, Director, Annapurna Micro Finance Pvt. Ltd
03:15 PM -03:30 PM	Heating, Ventilation and Air Conditioning investment potential	Mr. Amit Verma, Sales Manager, Swegon Cooling (Blue Box)
03:30 PM -03:45 PM	Latest technology in Variable Frequency Drives investment potential	Mr. Dhaval Ruparelia, National Sales Head, Yantra Harvest
03:45 PM -04:00 PM	New energy efficiency technologies in MSMEs	Mr. Brahma Mishra, President, UCCIL
04:00 PM-04:15 PM	Presentation on DEEP	Mr. Anil Kumar Sahu, State Head – Growth & Lighting, EESL
04:15 PM-04:45 PM	Q&A, Feedback Sharing	
04:45 PM-05:00 PM	Tea Break	
05:00 PM	Close of Conference	



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Background:

Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector and State Designated Agency (SDA) under Department of Energy, Government of Odisha in association with Bureau of Energy Efficiency (BEE) is organizing a one-day conference named 'Investment Bazaar for Energy Efficiency' on 7th February 2023 at Hotel Swosti Premium, Bhubaneswar, Odisha. ASSOCHAM has been appointed as knowledge partner by SDA, Odisha to coordinate and arrange this conference.

The objective of the event was to create the awareness among industry stakeholders on different financing schemes, EE product/services, ESCO mode of implementation of EE projects. Also, provide the common platform to OEMs, ESCOs, Financial Institutions, and Industries to interact and discuss the investment as well as financial potential. More than 100 participants from Industries, OEMs, ESCOs, and Financial Institutions were part of this event.

Inaugural Event:

The conference and exhibition were inaugurated by Mr. Suresh Chandra Maharana, EIC cum PCEI, Govt. of Odisha., Smt. Vineeta Kanwal, Director-BEE, Gol, Shri Gautam Patra, General Manager-Cum-Convenor, UCO Bank, SLBC, Odisha., in the august gathering of more than 100 participants from various Industries, OEMs, ESCOs, and Financial Institutions etc.





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Financing in the field of Energy Efficiency projects has been found as a major tool to accelerate EE projects undertaken by industries. Recognizing and acknowledging this fact, this one-day conference organized to address the following: -

1. To enhance investments in the projects of energy efficiency
2. To overcome barriers and myths related to funding of EE projects
3. To bridge the communication and knowledge gap between project implementers and funding agencies.
4. To highlight the practical problems and to address them with collective deliberations of all stakeholders
5. To stimulate the market dynamics in the field of Energy Efficiency and make it more market oriented.

Objective of Investment Bazaar:

Energy Efficiency Financing Platform (EEFP) is one of the initiatives under National Mission for Enhanced Energy Efficiency (NMEEE) for promoting financing of Energy Efficiency Projects. In order to meet objective of Energy Efficiency Financing Platform (EEFP) this conference & expo have been organized at Hotel Swosti Premium, Bhubaneswar, Odisha, wherein most of existing Designated Consumers (DCs) under PAT scheme as well as other

Industries and MSMEs along with trainees of Conference for FIs on EE Financing was invited. The duration of the conference & expo was one day. The bankers / NBFCs and OEM have been invited to put their stalls at the venue for showcasing their financing products/Services available for EE projects. There were more than 100 participants in this one-day conference.



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The major aim of this investment bazaar is to bring all the stakeholders of Energy Efficiency at one place to increase the business in energy efficiency measures & technologies, and accelerate energy efficiency financing.

Speaker Highlights:



In this conference, Mr. Suresh Chandra Maharana, EIC cum PCEI, Govt. of Odisha. has emphasized upon importance of energy efficiency & implementation of new and innovative energy efficient technologies in Industries & MSME in the State. He also focused over the investment potential in Industries & MSMEs which can enhance the infrastructure at the state level. He stressed upon the dynamics of industry, transport, buildings and agriculture sectors are bringing new opportunities. In addition, he mentioned that energy is slowly transitioning to be demand driven than supply driven. He also deliberated upon importance to bridge the communication and knowledge gap between project implementers and funding agencies for the implementation of energy efficient activities in Industries &MSMEs.



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Ms. Vineeta Kanwal, Director, Bureau of Energy Efficiency, Ministry of Power, Govt. of India highlighted that in India there is huge investment potential of approx. Rs. 1 lakh crore annually in energy efficiency. There are approx. 22 financial institutions that are providing energy efficiency loan and seeking Partial Risk Sharing Facility guarantee too. BEE has recently launched a new financing programme for grading of energy efficiency projects where cost of grading for 100 graded and financed projects shall be borne by BEE. Ministry of Power has appointed Power Finance Corporation (PFC) as nodal agency for accelerating energy efficiency financing in India. BEE and PFC are in process of rolling out new financing mechanisms such as interest subvention and credit guarantee schemes, subject to approval of Ministry of Power.



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Shri Gautam Patra, General Manager-Cum-Convenor, UCO Bank, SLBC, Odisha. briefed about the conference and importance & involvement of industries & MSMEs for implementation of energy efficiency projects in the State which will boost economy and suggested that banks / financial institutions shall provide extending support for such projects in the State. He deliberated upon importance to stimulate the market dynamics in the field of Energy Efficiency and make it more market oriented. He has also said that I take this opportunity mention that the office of the EIC(Electricity) as the State Designated Agency is an extended arm of Bureau of Energy Efficiency, Govt. of India, has been striving hard to fulfil its mandate as prescribed in the Energy Conservation Act. With active support of the Energy Department and BEE, Govt of India, it has been possible to initiate a range of activities starting from energy audits to facilitating the implementation of energy efficiency projects. With the support of the Department of Energy has been working for the success of different EE Financing schemes in the state.



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During the Technical Sessions-1, the presentations were given by Ms.Vineeta Kanwal from Bureau of Energy Efficiency wherein she highlighted various schemes of BEE and potential of investment in energy efficiency in industries & MSMEs. She mentioned about the recently launched new financing programme for grading of energy efficiency projects where cost of grading for 100 graded and financed projects shall be borne by BEE. Ministry of Power has appointed Power Finance Corporation (PFC) as nodal agency for accelerating energy efficiency financing in India. BEE and PFC are in process of rolling out new financing mechanisms such as interest subvention and credit guarantee schemes, subject to approval of Ministry of Power. Mr. K.P. Philip from IREDA, shared their schemes and fast approval of loan schemes for MSME & Industries in Renewable Energy projects. Mr. Ankur Hazarika, DGM, PFC was presented that PFC offers a variety of financial products - Capex loans, short term loans, multilateral loans, etc. Non-fund-based products like guarantees are also offered and energy efficiency projects undertaken by ESCOs as well as Electric Vehicle infrastructure. He was also highlighted Criteria for Energy Efficiency Funding and Challenges in financing EE projects in India. Mr. Naresh Kumar, AGM, Canara Bank was highlighted EE Financing schemes available for large industries, MSMES. Mr. Srinibash Kar, Energy Manager, Ferro Alloy Corporation Limited showed their case study wherein they implemented energy efficient measures being designated consumer in Odisha. Mr. Sandeep Nanda, Energy Manager, Nava Bharat Ventures Limited presented latest technologies implemented and project for energy efficient financing requirements. Mr. Jyoti Ranjan Tripathy, AGM, Jindal Stainless Ltd shared the success stories of various energy efficiency projects implemented in Industries.



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NAVA Energy Conservation Measures implemented

Measure	Implemented in	Energy Savings	Cost Savings
Improving the pumping efficiency of RWPH by Installation & commissioning of 75kW, 450 m ³ Energy efficient pump (IE3)	2021-22	0.177 MU	0.58 Rs. Million
Replacing the Motor pulley of AHU in ESP control room in CPP-2	2021-22	0.0023 MU	0.007 Rs. Million
Replacing of existing 7.5 kW, 20 m ³ Neutralization pit pump-2 with 11 kW, 40 m ³ energy efficient pump (IE2) in CPP-1	2021-22	0.0005 MU	0.0017 Rs. Million
Replacing the old inefficient sieving machine with new energy efficient sieving machine	2021-22	0.0018 MU	0.006 Rs. Million
Replacing conventional HPSV lights & CFL with LED lights	2019-22 (overhead)	0.098 MU	0.208 Rs. Million

Total Energy Savings: 0.28 MU **GHG Reduction: 434 MT CO₂e**

Benefits attained by execution of above projects

Waste Heat Recovery from Electric Arc Furnace

Data:

- Steel Melting Shop (SMS) is equipped with 150 Tonne Electric Arc Furnace (EAF). The details of Off Gas and EAF heat cycle are as below:

Parameter	Value
Off gas flow rate	Nm ³ /hr 250000
Off gas Temperature at Furnace Exit	°C 1100
Off gas Temperature after Duct Cooling	°C 600
Tap-to-Tap time	min 85
Power ON time	min 65
Number of Heat Cycles in a day	No's 14

Ideas:

- Recover Heat and Produce power with existing 13 MW power plant (AFBC boiler) by tapping heat from EAF exit
- Recover Heat Produce steam at 190 °C, 12 Bar and use in Process Heating by tapping heat after water cooled duct

Benefits:

- Avoided operation of existing Process Feed and Cool Feed AFBC boilers for steam generation
- Mandatory savings
- Carbon Abatement potential

Challenges:

- Availability of intermittent heat
- Power off time of EAF about 10 min
- Ferrous Chrome dust in the off gas



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During the Technical Sessions-2, Mr. J P Chaudhury, Energy Manager, Jindal Steel & Power Ltd showed their case study wherein they implemented energy efficient measures being designated consumer in Odisha. Mr. Puspahash Mohanty, Energy Manager, GMR Kamalanga Energy Ltd shared their potential project for energy efficiency financing regarding energy efficiency projects. Shri Pradyumna Kumar Choudhury, DGM, SIDBI, Odisha presented various SIDBI Green Initiatives & Schemes beneficial for industries & MSME for implementation of energy efficiency projects. Mr. Kasi Biswanath Dash, AGM SME, SBI, Odisha was Presented their EE financing schemes for MSME and Industries. Mr. Damodar Sahoo, Service Manager, Kirloskar Brothers Limited presented the latest energy efficient pumping systems available in the market to be used for implementation of energy efficiency in industries. Mr. Amit Verma, Sales Manager, Swegon Cooling (Blue Box) was highlighted their EE Products in the industry of Commercial/Industrial Chillers and Heat pumps by offering innovative and highly efficient products, which have been patented and later adopted as the standard in the market. Mr. Dhaval Ruparelia, National Sales Head, Yantra Harvest was pointed out energy efficient solutions such as MV Drive for RNHR, HeatX Condenser Efficiency for RNHR, Energy Conservation Turbine, Power Quality etc. Mr. Brahma Mishra, President, UCCIL, Odisha was highlighted various challenges in Energy Efficiency for MSME sectors. Lastly Mr. Anil Kumar Sahu, State Head – Growth & Lighting, EESL was highlighted EE financing schemes for MSME and Industries. The concluding remark was given by Smt. Vineeta Kanwal. From BEE, as a token of gratitude, she expressed her sincere thanks to the Department of Energy (as SDA), Financial Institutions, Large scale Industries, delegates and the facilitation organization (ASSOCHAM) and urged everyone to be a part of the initiative.

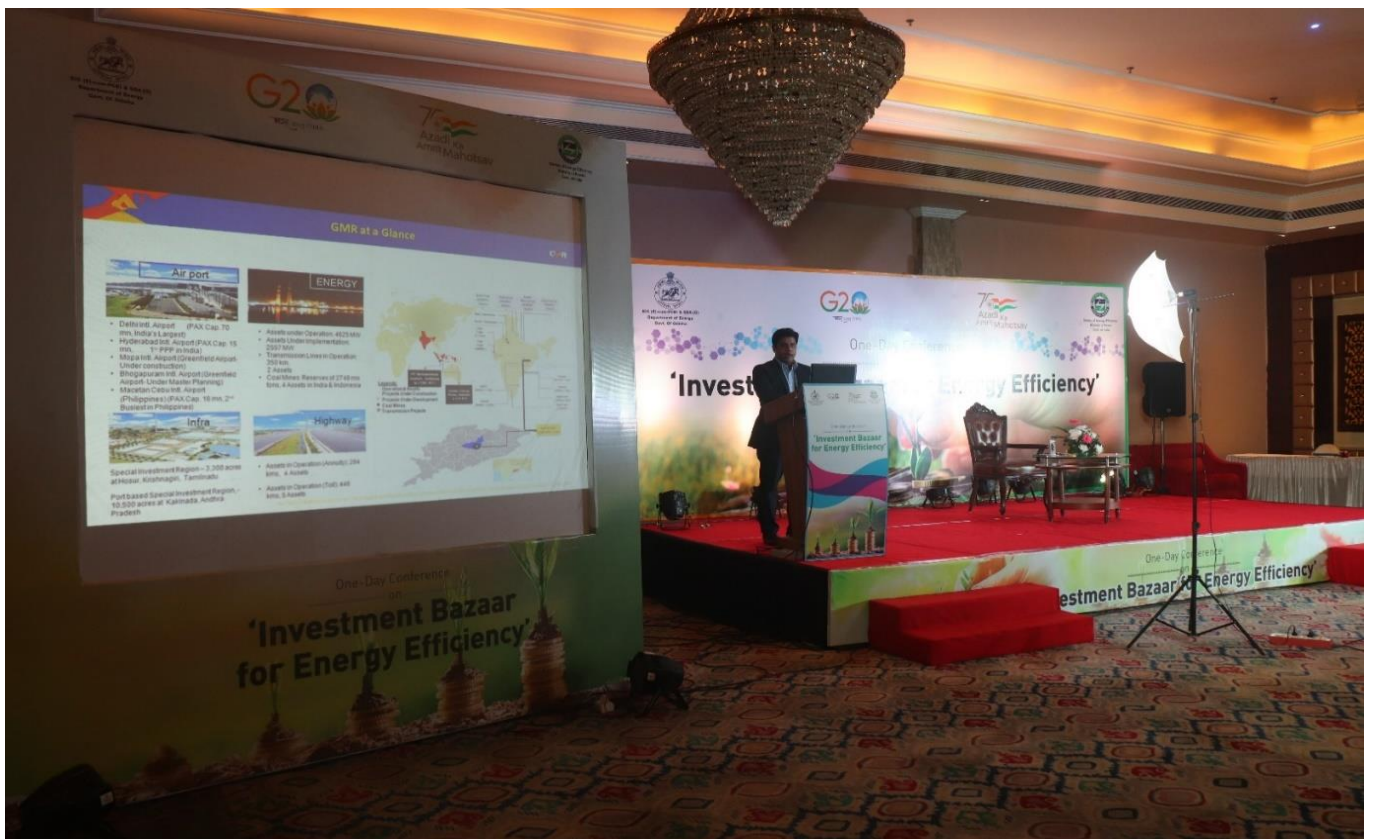
In this one-day conference, Case Studies on Implementation of energy efficiency in industries, energy efficient pumping systems, Commercial/Industrial Chillers and Heat pumps, MV Drive for RNHR, HeatX Condenser Efficiency for RNHR, Energy Conservation Turbine, Power Quality & various financing schemes for investment in energy efficiency were showcased & presented by speakers from DCs, MSMEs, Industry Organizations & OEMs etc.



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In this conference, all the dignitaries were given token of recognition to PFC Mr. Ankur Hazarika, DGM, PFC, Canara Bank Mr. Naresh Kumar, AGM, Canara Bank, SBI Mr. Kasi Biswanath Dash, AGM SME, SBI and SIDBI Shri Pradyumna Kumar Choudhury, DGM, SIDBI, Odisha for their contribution in EE Financing and for participating in Investment Bazaar held on 07th February 2023 at Swosti Premium, Jayadev Vihar, Bhubaneswar.





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In this conference, Mr. Suresh Chandra Maharana, EIC-cum-PCEI, Govt. of Odisha., Smt. Vineeta Kanwal, Director-BEE, Gol, Shri Gautam Patra, General Manager-Cum-Convenor, UCO Bank, SLBC, Odisha., Mr. Sourajit Ray, Chief Engineer, Ms. Smita Behera, SE- Cum-DEI and officials from Industries, MSMEs, Financial Institutions / Banks i.e. UCO Bank, SBI Bank, ICICI Bank, Axis Bank etc, Equipment Manufacturers and more than 100 participants were also present in the one-day conference on 'Investment Bazaar for Energy Efficiency' was organized on 7th February 2023 at Swosti Premium, Jayadev Vihar, Bhubaneswar.





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List of Industries who have submitted the willingness forms to seek Financial Assistance:

Sl. No.	Name of DC	Identified EE measures	Investment Potential in Lacs (Rs)
1	Ferro Alloy Corporation Limited Charge Chrome Plant, Randia Haat, Bhadrak, Odisha.	Wasted Heat Plant Project	355
2	GMR Kamalanga Energy Limited, Kamalanga, Dhenkanal, Odisha – 759121	1. Intelligent flow control in Compressor network 2. VFD installation in Seal air fan motor 3. APH basket replacement in unit-1 (DE out-board basket) 4. Modification of FRS valve to flow control valve to adhere sliding pressure operation at part load operation 5. Coro coating of CW pump 6. Drift eliminator replacement from s Blade type to Accu grid type	472.5
3	Rungta Mines Limited (sponge iron Division), Karakolha, Barbil, Keonjhar	1. Waste Heat Recovery 2. Motor Pump 3. LED Light 4. AIR COMPRESSOR	3857
4	Nava Bharat Bentures Limited, Kharagprasad, Meramandali, Dhenkanal, Odisha, 759121	1. Providing VFD for one of the Clarifier Pump. 2. Providing VFD for FD fan of both the boilers in CPP-1. 3. Migration of conventional 70W HPSV lamps to 42W LED	46.5
5	Viraj Steel and Energy Private Limited, Gurupali, Lapanga, Sambalpur, Odisha, 768232	1. VFD installation 2. Motor Replacement	50



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Stalls showcased by Financial Institutions / OEMs in the Exhibition:

1. EESL
2. Kirloskar Brothers
3. Yantra Harvest
4. Swegon Cooling (Blue Box)
5. Axis Bank
6. ICICI Bank
7. SBI Bank
8. Indian Bank
9. Bank of Baroda





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Workshop Outcome:

1. Total 7 projects identified and these industries, MSMEs were login in <https://www.adeetie.beeindia.gov.in/>
2. Creation of Awareness to Stakeholders on different financing schemes, EE products/services, ESCO mode of implementation of EE projects,
3. Demonstration of successful implemented EE projects to create inspiration to other stakeholders for implementation.
4. Conference created a common platform to OEMs, ESCOs, Financial Institutions, Industries for implementation of EE projects and sorting of finance requirements.
5. The conference & expo will also create awareness among other stake holders to come up with different EE projects implementation using EE financing platform.



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Participants List: Enclosed

DC

Sl. No.	Name	Designation	Email ID	Mob	Signature
1	BRUNDABAN CH. PATNAIK	MANAGER	brundaban.chandran.patnaik@gmail.com	7752020472	<i>[Signature]</i>
2	Shiv K. Singh	Manager	shiv.singh2@tsw.in	9437347236	<i>[Signature]</i>
3	B.V.S. Gouthary	Asst. M.	bhargava.sri@tsw.in	7852944258	<i>[Signature]</i>
4	A. S. Khakha	G.M., RSP	santosh.khakha@rail.in	8895500605	<i>[Signature]</i>
5	Suwendu Ku. Sahu	Engineer	suwendusahu105@gmail.com	7008209875	<i>[Signature]</i>
6	Ashok Kumar	Manager	ashok.kumar@gmail.com	9438713007	<i>[Signature]</i>
7	Manorajan Nair	Asst. Mgr.	manorajan.nair@powersteel.com	7008884157	<i>[Signature]</i>
8	Pradeep Kumar Mohanji	GM	pradeep.mohanji@powergroup.in	7894450332	<i>[Signature]</i>
9	Tanujaya Kumar	Engineer	Tanujaya.kumar@tsw.in	817291402	<i>[Signature]</i>
10	Srisubash Kar	Asst. Mgr.	Srisubash.kar@vedanta.com	3327458595	<i>[Signature]</i>
11	Rohit Kumar	Asst. Manager	Rohit.kumar@vedanta.com	900228373	<i>[Signature]</i>
12	Jay Prakash Choudhary	Energy Manager	jay.choudhary@jindalsteel.com	9777445563	<i>[Signature]</i>
13	Lingaraj Jena	Asst. Mgr. (E&I)	lingaraj.jena@powerindia.co.in	9937021989	<i>[Signature]</i>
14	KAPIL BAWEJA	Group Head E&I	kapil.baweja@tpcentraladisha.com	9760555880	<i>[Signature]</i>
15	PAKSHI RAMAN Sahoo	Asst. Manager	Pakshi.sahoo@vedanta.com.in	943882590	<i>[Signature]</i>

Sl. No.	Name	Designation	Email ID	Mob	Signature
16	Jyoti Rajan Tripathy	Sr. Mgr.	jyotirajan.tripathy@jindalsteel.com	9938250221	<i>[Signature]</i>
17	Dileep Bhusondekar	Ex. Engineer (CEM)	dileep.bhusondekar@jindalsteel.com	9704621905	<i>[Signature]</i>
18	LTP Nayyar	Asst. Mgr.	ltp.nayyar@powersteel.com	9437039337	<i>[Signature]</i>
19	Baljeet Singh	Asst. Mgr.	BALJEET.SINGH@ARTISTEEL.COM	9437083745	<i>[Signature]</i>
20	Prakash Moharana	D. Manager	prakash.moharana@tpcentraladisha.com	8763937730	<i>[Signature]</i>
21	Bhabu Singh	Asst. Mgr.	bhabu.singh@powersteel.com	7972582220	<i>[Signature]</i>
22	Suchitra Sahu	Asst. Engr.	suchitrasahu@adityabirla.com	6371698569	<i>[Signature]</i>
23	Rakesh Borkh	Asst. Engr.	Rakesh.borkh@adityabirla.com	6370210227	<i>[Signature]</i>
24	Sanjev Kr. Behere	GM (IT)	sbehere.sanjay@gmail.com	7008031617	<i>[Signature]</i>
25	Dwijraj Dash	GM	dv.dash@visasteel.com	9777958822	<i>[Signature]</i>
26	Ch. Rakesh	Sr. Manager	rakesh.ch@visasteel.com	9110860886	<i>[Signature]</i>
27	M.R. Satepathy	GM - E&I	manorajan1765@gmail.com	8599041114	<i>[Signature]</i>
28	M.K. Panda	Head Govt. Affairs	manoj.panda@powercentraladisha.com	9777457222	<i>[Signature]</i>



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Sl. No.	Name	Designation	Email ID	Mob	Signature
29	Jagdish Ch. Sahas	Sr. Manager	jagdish790@gmail.com	7008650669	<i>[Signature]</i>
30	K. Sedarsanaachari	Deputy Manager	Sedarsanaachari.K@adityabirla.com	9090094508	<i>[Signature]</i>
31	Sandeep Singh	General Manager	rkss.mgmt@gmail.com BMC Bhawani Mall.	7205024500	<i>[Signature]</i>
32	N. S. RAO	Sr. Mgr	NAVA LIMITED Meerawandi	7381097368	<i>[Signature]</i>
33	Barada NAYAK	Manager	Time Steel & Power LTD	9040210486	<i>[Signature]</i>
34	Brijraj Patil	Manager	Nava Ltd., Meerawandi	7381097383	<i>[Signature]</i>
35	BARADAPATIL	SM	barada.patil@nt.com	9917400304	<i>[Signature]</i>
36	Dinabandhu Das	DGM (Ch)	dinabandhu@shyamgroup.com	6330951600	<i>[Signature]</i>
37	Brijraj Patil	A/C	brijrajpatil@gmail.com	9932144488	<i>[Signature]</i>
38	Sh. Sujan	GM-CA	Steel. In Salomand@gmail.com	8339019017	<i>[Signature]</i>
39	Alok Kumar	GM (Ch)	Jayprakash, Malher upada	7894420348	<i>[Signature]</i>
40	Manas Sahu	Manager	manas.dewi@gmail.com	9090870013	<i>[Signature]</i>
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42					

Sl. No.	Name	Designation	Email ID	Mob	Signature
43	M. K. Prusty	GM (Ch)	bhramuresh@shyamgroup.com	9437057755	<i>[Signature]</i>
44	Ajay Das	Engineer	ajaydas619@gmail.com	7642495089	<i>[Signature]</i>
45	Ashwini Sahu	ASST Eng	- do -	8768622864	<i>[Signature]</i>
46	Rajesh Kumar	Engineer	Rangta Mining LTD	9078235019	<i>[Signature]</i>
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One-Day Conference on

'Investment Bazaar for Energy Efficiency'



EIC (Electricity)-cum-PCEI & SDA (O),
Dept. of Energy

BANKS & NBFCs

Attendance for Banks and NBFCs for Investment Bazaar for Energy Efficiency

Sl. No.	Name	Designation	Email ID	Mob	Signature
1	NARESH KUMAR	AGM	nareshkumar79@CanaraBank.com	9263816615	
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BANKS & NBFCs

Attendance for Banks and NBFCs for Investment Bazaar for Energy Efficiency

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19	Susanta Choudhary	AVP	Susanta@unimbankofindia.com	9937019060	
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27	Appath N. Paswal	AGM	6328474@indianbank.com	9470353318	
28	Jiteshjiya Padhar	Manager	sibc-6652@mahabank.co.in	8249616004	



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Attendance for Banks and NBFCs for Investment Bazaar for Energy Efficiency

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OEM

Attendance for OEMs for Investment Bazaar for Energy Efficiency

Sl. No.	Name	Designation	Email ID	Mob	Signature
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OTHER OFFICIALS

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2	P. K. Dash	CEC (PCEI) cum CEI		9437281953	P. K. Dash
3	Saurajit Das	CE (TLI/EC)			Saurajit Das
4	Swati Smagati	AEE-cum-AET	Swati.smagati@nic.in	9556348019	Swati Smagati
5	Abhijit Pal	AEE (EC-I)		8596958141	Abhijit Pal
6	Andhendu Rout	EA (PAT cell)	andhendu.nic@gmail.com	9937698725	Andhendu Rout
7	Hemant Kumar	Comm.	-	7019683674	Hemant Kumar
8	Soumya Ranjan Sahoo	PA, PAT cell	Pa.odisha@ficci.com	7735459964	Soumya Ranjan Sahoo
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