



August 2018

**CAPACITY BUILDING OF LOCAL
SERVICE PROVIDERS (LSP) UNDER
GEF-UNIDO-BEE PROJECT
“PROMOTING EE/RE IN SELECTED
MSME CLUSTERS IN INDIA
Workshop Proceedings Report-
Jalandhar Hand Tool Cluster**

Submitted to
(Prepared under GEF-UNIDO-BEE Project)



Bureau of Energy Efficiency

4th Floor, Sewa Bhawan, Sector - 1, R. K. Puram, New Delhi - 110066

Prepared by



**Confederation of Indian Industry
CII - Sohrabji Godrej Green Business Centre**

Survey No. 64, Kothaguda Post, Near HITEC City
Hyderabad 500064

Table of Contents

1. EXECUTIVE SUMMARY.....	1
2. WORKSHOP PROCEEDINGS.....	1
2.1 First LSP Training Program, Jalandhar.....	2
2.2 Second LSP Training Program, Jalandhar.....	5
2.3 Third LSP Training Program, Jalandhar.....	8
2.4 Fourth LSP Training Program, Jalandhar.....	11
3. CONCLUION OF TRAINING PROGRAMMES.....	13
4. ANNEXURE.....	15
4.1 Scan copy of training programs Agenda.....	15
4.2 Scan copy of attendance sheet for training programs.....	1

List of Tables

Table 1: Workshop summary	2
Table 2: Summary of 1st Workshop.....	4
Table 3: Summary of 2 nd Workshop.....	7
Table 4: Summary of 3 rd Workshop	9
Table 5: Summary of 4 nd Workshop.....	12

List of Figures

Figure 1: First Training Program Augural	2
Figure 2 First Training Program Augural	2
Figure 3: Power Factor and Power Quality Management	3
Figure 4: Explaining about solar photo voltaic system for renewable energy generation.....	3
Figure 5: Second Training Program.....	5
Figure 6: Energy Efficient Furnaces, EN EFF Thermal Engineers.....	5
Figure 7: PRS Permacel Pvt Ltd, on best insulation practices for thermal systems.....	6
Figure 8: United Systems and Automation on measuring and monitoring of furnace parameters	6
Figure 9: Presentation on Thermal systems	6
Figure 10: Third Training Program	8
Figure 11: Energy Efficient Compressed Air Piping System and Advantages Of Aluminum Compressed Air Piping	8
Figure 12: Presentation on sky pipe day lighting.....	8
Figure 13: Presentation on Energy Efficient Lighting LED.....	9
Figure 14: Presentation on Energy Efficient Pumping System.....	9
Figure 15: Fourth Training Program.....	11
Figure 16: Presentation on Energy Efficiency Opportunity In Electroplating Rectifiers Through IGBT	11
Figure 17: PST & CSP, GMF, Autotech India Pvt Ltd, on long life, low temperature cleaning/degreasing technology	11
Figure 18: saving opportunities and best operational practices in electroplating	12
Figure 19: Workshop participation	13

List of Abbreviations

AC	Alternate Current
ANSI	American National Standards Institute
BEE	Bureau of Energy Efficiency
DC	Direct Current
DPR	Detailed Project Report
EE	Energy Efficiency
GEF	Global Environmental Facility
IRR	Internal Rate of Return
kW	Kilo Watt
LSP	Local Service Provider
MSME	Micro and Medium Scale Industries
NPV	Net Present Value
OEM	Original Equipment Manufacturer
PSPCL	Punjab State Power Corporation Limited
PV	Photovoltaic
RE	Renewable Energy
TOE	Tons of Oil Equivalent
UNIDO	United Nation Development Organization
CII	Confederation of Indian Industry
IGBT	Insulated Gate Bipolar Transistor

1. EXECUTIVE SUMMARY

Bureau of Energy Efficiency (BEE), a statutory body under Ministry of Power, Government of India, in collaboration with United Nations Industrial Development Organization (UNIDO) is executing a Global Environment Facility (GEF) funded national project “Promoting energy efficiency and renewable energy in selected MSME clusters in India”.

The overall aim of the project is to develop and promote a market environment for introducing energy efficiency and enhanced use of renewable energy technologies in process applications in 12 selected energy-intensive MSME clusters across 5 sectors in India (with expansion to more clusters later). This will enable improvement in the productivity and competitiveness of units, as well as reduce overall carbon emissions and improve the local environment.

Key activities involved in the project are shown below

- Detailed Mapping of LSPs in the cluster
- Preparation of 10 Bankable DPRs
- Development of 5 customized training materials
- Conduct 4 training programs in the cluster for the capacity building of local service providers
- Facilitation of LSPs in becoming local dealers of OEMs

The report summarized the four training programs conducted in Jalandhar Hand Tool Cluster to train the local service providers and hand tool units on Energy Efficiency/Renewable Energy. The objective of the workshop was to provide awareness on the concept of EE to fill the knowledge gaps and assist in creating an enabling environment for implementation energy efficient measures in the Cluster. In these workshop lectures and presentations were delivered by representatives of Major OEMS, Hand Tool Units, UNIDO, and CII and the proceedings of all the workshop are discussed in this report.

2. WORKSHOP PROCEEDINGS

In Jalandhar Hand Tool Cluster four training programs were conducted at Jalandhar to train the local service providers and hand tool units on best operating practices, latest technologies/innovations and create awareness on importance of energy efficiency & renewable energy. These workshops also provided a platform to 170+ stakeholders to interact with each other in the cluster.

The detailed agenda for each workshop was decided based on the training need assessment survey and multiple meetings conducted with all the stakeholders in the cluster. At each event, CII introduced the workshop, followed by UNIDO providing vision and more details of the project.

This was followed by presentations from technology suppliers on energy efficient technologies and services available in the market with open Q & A sessions after each presentation. Each workshop was attended by different stakeholders such as MSMEs, consultants, association, technology suppliers and subject experts.

The following table shows the summary of workshops completed at Jalandhar Hand Tool Cluster

Table 1: Workshop summary

S. No	Dates	Workshop Theme	No of LSPs/OEMs	Total No of Participants
1	09-May-18	Electrical System and Renewable Energy	59	170
2	12-Jun-18	Thermal System		
3	26-Jun-18	Thermal System and Electrical Utilities		
4	10-Jul-18	Electroplating		

2.1 First LSP Training Program, Jalandhar

The first training program was organized on 9th May 2018 at Jalandhar which had a participation of 55 people including local service providers, OEMs and representation from hand tool units. The program started with a welcome address by Mr. Sukhdev Raj, President, Jalandhar Hand Tool Association and special remarks by Mr. Ajay Goswami, Chairman CII Jalandhar Zonal Council and MD - Ajay industries Jalandhar and Mr. Suresh Kennit, National Project Manager, UNIDO. Closing remarks was given by Mr. R A S Bhatia, President –



Figure 1: First Training Program Augural



Figure 2 First Training Program Augural

Tool Exports & Manufacturing Association, Jalandhar. During the opening session Mr. Niranjn Rao Devela, National Technology Coordinator, UNIDO has briefed the participants on the key project elements such as technology feasibility studies for the preparation of DPR and different models for engaging the LSPs with OEMs to promote EE/RE in the cluster.

The technical sessions started with presentation by Mr. Manpreet Singh, Senior Counsellor Energy Management, Confederation of Indian Industry on energy saving approach and methodology for hand tool sector. He also highlighted different approached of energy conservation. This was followed by session on energy efficient motors by Mr. Yogesh Sood, Consultant, International Copper Association India. He explained different class of motors i.e., IE3 and IE4 energy efficient motors and discussed about energy saving potential in smaller rating IE3 in case of replacement with standard motors and also the applications of new generation IE4 motors in units.



Figure 3: Power Factor and Power Quality Management

After energy efficient motors there was a session on power factor and power quality management, Mr. Shwetank Jain, MD and CEO P2 Power Solutions Pvt Ltd, has explained were importance of power factor management and harmonics mitigation to improve system reliability and saving energy.

The last technical session was on application of solar photo voltaic system for renewable energy generation. Mr. Vaibhav Singhal from Jakson Group has shared different implantation models of solar rooftop and also covered in detail about the investment and cash flow through projects and highlighted the economic returns and environment benefits possible through renewable energy interventions.



Figure 4: Explaining about solar photo voltaic system for renewable energy generation.

The following table shows the summary of 1st LSP workshop at Jalandhar

Table 2: Summary of 1st Workshop

1st LSP Workshop , Jalandhar Hand Tool Cluster	
Total no of Participants	55
No of technical sessions	5
No of LSP's attended	20
No of Hand Tool Units attended	35
Outcomes	<p>Increased capacity building of LSPs and other stake holders</p> <ul style="list-style-type: none"> • Facilitated B2B discussion between LSPs and OEMs • Training for LSPs to consider EE as an important parameter in their services (mechanical fitter, technicians, welders, dealers etc.) • Facilitated B2B meeting between LSPs and local service providers with an objective of LSPs becoming service provider for electrical distribution panels, solar PV systems. • Training given on EE measures such as <ol style="list-style-type: none"> 1. Energy Efficient Electrical Systems 2. Energy Efficient Motors 3. Power Factor & Power Quality Management 4. Application of Solar PV System for Renewable Energy Generation <p>Supplier Unit Engagement</p> <ul style="list-style-type: none"> • Field visit of delegates to power system and controls Jalandhar • Facilitation of Jakson Group visit to conduct site feasibility study and scope of RE rooftop solar PV system • Discussion on importance of good quality copper material for rewinding of electrical motors • Facilitation of CII's visit to different hand tool units for understanding present electrical systems and scope for improvements <p>Introduction of new technology/services</p> <ul style="list-style-type: none"> • Introduced the significance of EE electrical system • Introduced the different classes of EE motors and their advantages • Introduced the significance of power factor and power quality management • Introduction for application of solar PV system for renewable energy generation

2.2 Second LSP Training Program, Jalandhar

The second training program was organized on 12th June 2018 at Hotel President New Court Jalandhar which had a participation of 40 people including local service providers, OEMs and representation from hand tool unit. The program started with a welcome address by Mr. Ashwini Kumar, President, Jalandhar Hand Tool Association and Partner, Victor tools Pvt Ltd Jalandhar. Thereafter Mr. Ajay Goswami, Chairman CII Jalandhar Zonal Council and MD Ajay Industries Jalandhar gave a brief insight on



Figure 5: Second Training Program

UNIDOs activities in Jalandhar Hand Tool Cluster. A detailed presentation was made on the energy saving opportunities in hand tool sector by Mr. Khalid Khan, Associate Counsellor, CII. During this session the participants were briefed on the key project elements such as technology feasibility studies for the preparation of DPR and different models for engaging the LSPs with OEMs to promote EE/RE in the cluster. The theme of the second was thermal system.



Figure 6: Energy Efficient Furnaces, EN EFF Thermal Engineers

First technical sessions started with presentation by Mr. Sanjay Namdeo, Senior Counsellor, CII, on best energy efficient practices Organisation. This was followed by session on energy efficient furnaces by Mr. N P Singh, EN EFF Thermal Engineers. He explained fuel fired furnaces and their auxiliaries in detail. He has also kept focus on semi-automated and fully automated furnaces.

LSP: Training Programs Proceedings Report

The next technical presentation was from Mr. Monish Sharma, Sales Manager IBD, PRS Permacel Pvt Ltd, on best insulation practices for thermal systems, he has also shared case studies on best insulation practices with different thermal systems.



Figure 7: PRS Permacel Pvt Ltd, on best insulation practices for thermal systems



Figure 8: United Systems and Automation on measuring and monitoring of furnace parameters

Next session started with presentation by Mr. Amandeep Singh, Technical Head, United Systems and Automation on measuring and monitoring of furnace parameters through instrumentation.

This was followed by session from Mr. Khalid Khan, Associate Counsellor, Confederation of Indian Industry on thermal systems. He has explained opportunities available for energy savings in thermal systems with the help of case studies from different industries.



Figure 9: Presentation on Thermal systems

The following table shows the summary of 2nd LSP workshop at Jalandhar

Table 3: Summary of 2nd Workshop

2nd LSP Workshop , Jalandhar	
Total no of Participants	40
No of technical sessions	6
No of LSP's attended	14
No of Hand Tool Units attended	26
Outcomes	<p>Increased capacity building of LSP's and other stake holders</p> <ul style="list-style-type: none"> • Facilitated discussion between LSPs and OEMs • Training for LSPs to consider EE as an important parameter in their services (Furnace manufacturer, insulation material provider, furnace auxiliary provider etc.) • Training given on EE measures such as <ol style="list-style-type: none"> 1. Energy efficient organisation 2. Energy efficient furnaces 3. Best insulation practices 4. Measuring and monitoring of furnaces through instrumentation 5. Case studies on thermal systems 6. Case studies on energy saving opportunities in hand tool sector <p>Supplier Unit Engagement</p> <ul style="list-style-type: none"> • Facilitated the visit of EN EFF Thermal Engineers to conduct site feasibility study and saving potential for installation of energy efficient furnaces • Facilitated the visit of PRS Permacel Pvt Ltd to understand the scope for energy saving and material requirement for insulating existing furnaces • Facilitated the visit of United Systems and Automation to understand the existing technology and scope for automation <p>Introduction of new technology/services</p> <ul style="list-style-type: none"> • Introduced semi-automated and full automated energy efficient furnaces • Introduced the light weight low cost insulating material for reducing surface radiation losses and their ease of operation • Introduces latest instruments available for monitoring different parameters in furnaces

2.3 Third LSP Training Program, Jalandhar

The third training program was organized on 26th June 2018 at Hotel President New Court Jalandhar which had a participation of 37 people including local service providers and OEMs.

The program started with a welcome address by Mr. Ajay Goswami, Chairman CII Jalandhar Zonal Council and MD Ajay Industries Jalandhar and special address by Mr. Ashok, Additional SE, PSPCL Jalandhar. Thereafter a detailed presentation was made on the project objectives, deliverables and present status by Mr. Khalid Khan, Associate Counsellor, and Confederation of Indian Industry.

Mr. Balwinder Singh Gill, Cluster Leader, BEE gave a session on UNIDO's activities in hand tool cluster. During the opening session the participants were briefed on the key project elements such as technology feasibility studies for the preparation of DPR and different models for engaging the LSPs with OEMs to promote EE/RE in the cluster.



Figure 10: Third Training Program



Figure 11: Energy Efficient Compressed Air Piping System and Advantages Of Aluminum Compressed Air Piping

The technical sessions started with presentation by Mr. Joy Dewan, Country Head, Parker Legris on energy efficient compressed air piping system and advantages of Aluminum compressed air piping.

The next session was followed by Mr. Anand Bajpai, Project Director, E-View Global Pvt Ltd, he discussed about the importance of harnessing solar light during day time along with cost saving that can achieved by switching off the artificial lights. Session on sky pipe day lighting



Figure 12: Presentation on sky pipe day lighting

LSP: Training Programs Proceedings Report

The Next session by Mr. Rajiv Sharma, Regional Manager – North Emerging Markets, Wipro Lighting. He discussed various technical parameters to be consider for designing energy efficient lighting system.



Figure 13: Presentation on Energy Efficient Lighting LED



Figure 14: Presentation on Energy Efficient Pumping System

In the last session Mr. Sameer Chandra, Regional Manager sales, Grundfos India on energy efficient pumps and best operating practices on pumping system.

The following table shows the summary of 3rd LSP workshop at Jalandhar.

Table 4: Summary of 3rd Workshop

3 rd LSP Workshop , Jalandhar	
Total no of Participants	37
No of technical sessions	5
No of LSP's attended	14
No of Hand Tool Units attended	27
Outcomes	<p>Increased capacity building of LSPs and other stake holders</p> <ul style="list-style-type: none"> • Facilitated B2B discussion between LSPs and OEMs • Training for LSPs to consider EE as an important parameter in their services (mechanical fitter, technicians, welders, dealers etc.) • Facilitated B2B meeting between LSPs and OEMs with an objective of LSPs becoming service provider for the bigger OEM • Training given on EE measures such as <ol style="list-style-type: none"> 1. Energy Efficient Thermal Systems 2. Energy efficient compressed air piping system 3. Sky pipe day lighting – a healthy way of energy conservation 4. Energy efficient lighting system 5. Energy efficient pumping system <p>Supplier Unit Engagement</p>

3rd LSP Workshop , Jalandhar

- Facilitation of Parker Legris visit to different units for installation of energy efficient piping system
- Facilitated the visit of E-view Global to understand the feasibility of Solar light pipe in the units
- Facilitated the visit of Wipro Lighting to understand the existing lighting practices adopted by the units and scope for upgradation
- Facilitation of Grundfos visit to 1 units for assessment of furnace cooling water pumps

Introduction of new technology/services

- Introduced aluminum compressed air piping system
- Introduced the concept of solar Light pipe
- Introduces LED lighting system
- Introduced energy efficient pumping system

2.4 Fourth LSP Training Program, Jalandhar

The Fourth training program was organized on 10th July 2018 at hotel President New Court Jalandhar which had a participation of 38 people including local service providers, OEMs and representation from Hand Tool Units. The program started with a welcome address by Mr. Ajay Goswami, Chairman CII Jalandhar Zonal Council and MD Ajay Industries Jalandhar. Thereafter a detailed brief on the project objectives, deliverables and project journey till date by Mr. Khalid Khan, Associate Counsellor, Confederation of Indian Industry.



Figure 15: Fourth Training Program



Figure 16: Presentation on Energy Efficiency Opportunity In Electroplating Rectifiers Through IGBT

The theme of the fourth Program was Electroplating, as electroplating plays an important role in the manufacturing of hand tool. First technical sessions started with presentation on energy efficiency opportunity in electroplating rectifiers through IGBT technology by Mr. Rajeev Sharma, Regional Head North, Kraft Powercon India Pvt Ltd, Delhi. He discussed in details about the scope of new IGBT technology.

This was followed by Mr. Shahab Shakeel, Marketing Manager – PST & CSP, GMF, Autotech India Pvt Ltd, on long life, low temperature cleaning/degreasing technology in electroplating and discussed about the energy saving possible for rinsing application through this low temperature cleaners.



Figure 17: PST & CSP, GMF, Autotech India Pvt Ltd, on long life, low temperature cleaning/degreasing technology



The next session was from Confederation of Indian Industry, Mr. Khalid Khan has shared saving opportunities and best operational practices in electroplating. The workshop concluded with closing remarks by Mr. Ajay Goswami, Chairman CII Jalandhar Zonal Council and MD Ajay Industries Jalandhar.

Figure 18: saving opportunities and best operational practices in electroplating

Following table shows the summary of 4th LSP workshop at Jalandhar.

Table 5: Summary of 4th Workshop

4 th LSP Workshop , Jalandhar	
Total no of Participants	38
No of technical sessions	5
No of LSP's attended	11
No of Hand Tool Units attended	27
Outcomes	<p>Increased capacity building of LSP's and other stake holders</p> <ul style="list-style-type: none"> • Facilitated discussion between LSPs and OEMs • Training for LSPs to consider EE as an important parameter in their services (Electroplating) • Training given on EE measures such as <ol style="list-style-type: none"> 1. Energy efficient compressed air system 2. Energy efficiency opportunity in Electroplating Rectifiers through IGBT Technology 3. Long life, low temperature cleaning/ /degreasing technology in electroplating 4. Saving opportunity and best practices in electroplating <p>Supplier Unit Engagement</p> <ul style="list-style-type: none"> • Facilitated the visit of Kraft Powercon India Pvt Ltd to conduct site feasibility study and scope of IGBT technology • Facilitated the visit of Autotech India Pvt Ltd for understanding the type of process involved in electroplating process of hand tool sector <p>Introduction of new technology/services</p> <ul style="list-style-type: none"> • IGBT Rectifier technology • Low temperature cleaning / degreasing technology in electroplating

3. CONCLUSION OF TRAINING PROGRAMME

The four training programs organized in Jalandhar Hand Tool Cluster helped in the capacity building of all the stake holders in the cluster which include service providers, OEMs and hand tool units. All the workshops had several discussions among the participants focusing on various energy efficient technologies, various technical challenges faced in implementing a new technology in the cluster and also on availability of local service providers for any technology.

The graph below shows the workshop participation in Jalandhar.

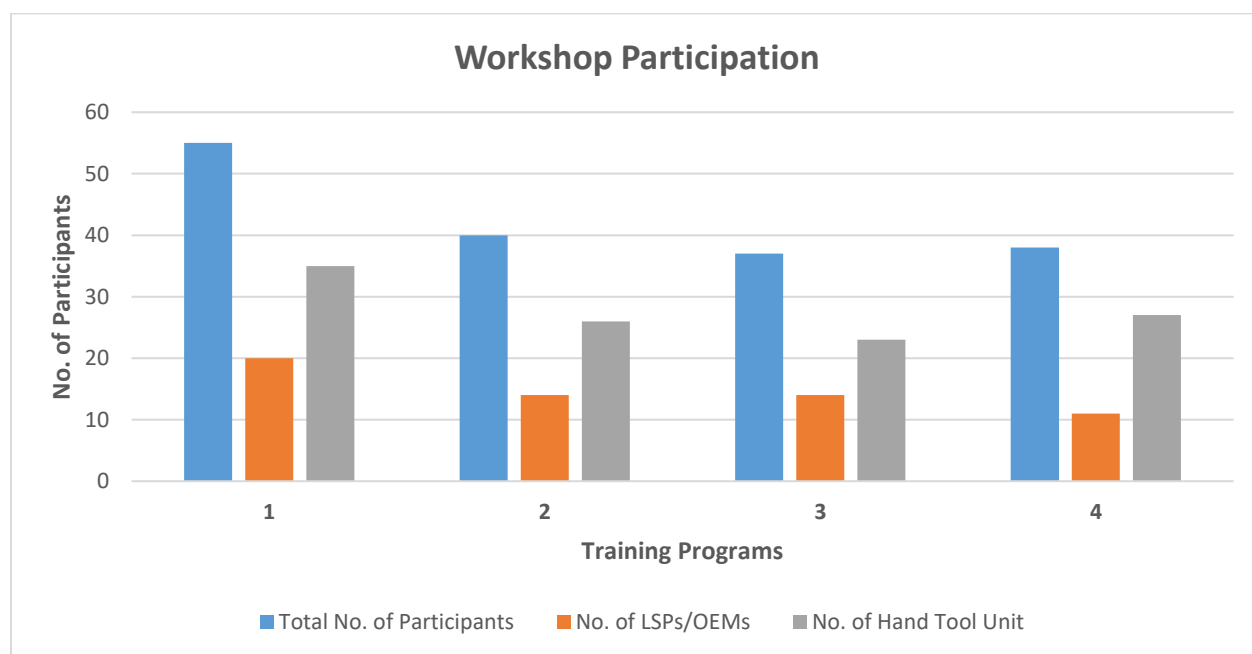


Figure 19: Workshop participation

Following are some of the key highlights of the workshops:-

- 170 stakeholders trained through four workshops which include 111 people from hand tool units and 59 LSPs associated with Jalandhar hand tool cluster
 - LSP includes local fabricators and technicians associated with hand tool units, solar consultants, dealers for pumps, furnace, burner, induction furnace DG set suppliers, electrical system service providers, pump and compressor dealers etc.
- 21 different technical topics covered during the four training programs in which several new technologies like EE furnace , pumps, compressors, motors, solar PV system, compressed air piping, day lighting, insulating material, monitoring instruments, IGBT based rectifiers, low temperature cleaners for electroplating etc. were introduced to the cluster

LSP: Training Programs Proceedings Report

- Training given by major OEMs such as Grundfos India, P2 power Solutions Pvt Ltd, Jakson group, EN EFF Thermal Engineers, PRS Permacel Pvt Ltd, Wipro Lighting, Parker Legris, E-View global Pvt Ltd, kraft Powercon India Pvt Ltd, Autotech India Pvt Ltd to the local service providers associated with the hand tool cluster
- Facilitated B2B meeting between OEMs and LSPs with an objective of LSP becoming local service provider.

4. ANNEXURE

4.1 Scan copy of training programs Agenda



1st Workshop on

Capacity Building of Local Service Providers at Jalandhar, under GEF-UNIDO-BEE project, "Promoting Energy Efficiency and Renewable Energy in selected MSME clusters in India"

Wednesday, 9 May 2018: Jalandhar

Wednesday, 9 May 2018

0900 – 0930 hrs	Registration/ Networking Tea & Coffee	
0930 – 1010 hrs	Inaugural Session	
0930 – 0935 hrs	Welcome Address	Mr. Sukhdev Raj Managing Director Victor Tools Pvt Ltd, Jalandhar & President Jalandhar Hand Tool Association
0935 – 0945 hrs	About "Promoting Energy Efficiency and Renewable Energy in selected MSME clusters in India"	Mr. Niranjn Rao Deevela National Technology Coordinator UNIDO
0945 – 0955 hrs	Special Address	Mr. Suresh Kennit National Project Manager UNIDO
0955 – 1005 hrs	Special Address	Mr. Ajay Goswami Chairman CII Jalandhar Zonal Council & Managing Director - Ajay Industries
1005 – 1010 hrs	Closing Remarks	Mr. R A S Bhatia President Tool Exports & Manufacturing Association
1010 – 1300 hrs	Technical Session I	
1010 – 1025 hrs	Energy Saving Approach & Methodology	Mr. Manpreet Singh Senior Counsellor – Energy Management CII - Centre of Excellence for Competitiveness
1025 – 1130 hrs	Energy Efficient Electrical System	Mr. Manpreet Singh Senior Counsellor – Energy Management CII - Centre of Excellence for Competitiveness
1130 – 1200 hrs	Energy Efficient Motor	Mr. Yogesh Sood Consultant International Copper Association India
1200 – 1230 hrs	Power Factor & Power Quality Management	Mr. Shwetank Jain Managing Director & CEO P2 Power Solutions Pvt Ltd
1230 – 1300 hrs	Application Solar PV System for Renewable Energy Generation	Mr Vaibhav Singhal Jakson Group
1300 – 1315 hrs	Q & A and Closing Remarks	
1315 – 1415 hrs	Networking Lunch	
	Technical Session II	
1500 – 1630 hrs	Field Visit	Power System & Controls Jalandhar



2nd Workshop
on
Capacity Building of Local Service Providers at Jalandhar, under GEF-UNIDO-BEE
project, "Promoting Energy Efficiency and Renewable Energy in selected MSME
clusters in India"

Tuesday, 12 June 2018: Hotel President New Court Jalandhar

Tuesday, 12 June 2018

0900 – 0930 hrs	Registration/ Networking Tea & Coffee	
0930 – 1000 hrs	Inaugural Session	
0930 – 0935 hrs	Welcome Address	Mr. Ashwini Kumar Partner Victor Tools Pvt Ltd, Jalandhar & President Jalandhar Hand Tool Association
0935 – 0945 hrs	Case Study Presentation from MSME Industry	Mr. Ajay Goswami Chairman CII Jalandhar Zonal Council & Managing Director - Ajay Industries Mr Khalid Khan Associate Counsellor Confederation of Indian Industry
0945 – 0955 hrs	Sharing of experience on UNIDO visit to Chennai on "Best operating practices in Energy Management for MSMEs"	Mr. Praveen Sharma Electrical Engineer Anant Tools
0955 – 1000 hrs	Closing Remarks	Mr. Ashwini Kumar
1000 – 1300 hrs	Technical Session I	
1000 – 1030 hrs	CII Presentation on Energy Efficient Organization	Mr Sanjay Namdeo Senior Counsellor Confederation of Indian Industry
1030 – 1100 hrs	Energy Efficient Furnaces	Mr. N P Singh EN EFF Thermal Engineers
1100 – 1130 hrs	Best Insulation practices	Mr Monish Sharma Sales Manager IBD PRS Permacel Private Limited
1130 – 1200 hrs	Measuring & Monitoring of Furnaces Parameters through instrumentation	Mr Amandeep Singh Head Technical United Systems & Automation
1200 – 1230 hrs	Case Study Presentations on Thermal Systems	Mr Khalid Khan Associate Counsellor Confederation of Indian Industry
1230 – 1300 hrs	Q & A and Closing Remarks	
1300 – 1400 hrs	Networking Lunch	
1500 – 1630 hrs	Live Demonstration & Training on Energy Efficient Equipments	



3rd Workshop
on
Capacity Building of Local Service Providers at Jalandhar, under GEF-UNIDO-BEE project, "Promoting Energy Efficiency and Renewable Energy in Selected MSME Clusters in India"

Tuesday, 26 June 2018: Hotel President New Court Jalandhar

Tuesday, 26 June 2018

0930 – 1000hrs	Registration/ Networking Tea & Coffee	
1000 – 1005 hrs	Welcome Address	Mr Ajay Goswami Managing Director Ajay Industries Limited & Chairman CII- Jalandhar Zonal Council
1005 – 1015 hrs	Special Address	Mr Ashok Additional SE, PSPCL Jalandhar
1015 – 1300 hrs	Technical Session I	
1015 – 1100hrs	Furnaces & Thermal System	Mr Khalid Khan Associate Counsellor – Energy Management Confederation of Indian Industry Chandigarh
1100 – 1130hrs	Energy Efficient Compressed air Piping system	Mr. Joy Dewan Country Head Parker Legris
1130 – 1200 hrs	Skypipe Day lighting – A healthy way of Energy Conservation	Mr. Anand Bajpai Project Director E-View Global Pvt Ltd
1200 – 1230 hrs	Energy Efficient Lighting system	Mr. Rajiv Sharma Regional Manager – North Emerging markets, Wipro Lighting
1230 – 1300 hrs	Energy Efficient Pumping system	Mr. Sameer Chandra Regional Manager Sales Grundfoss Pumps
1300 – 1315hrs	Q & A and Closing Remarks	
1315 – 1415hrs	Networking Lunch	
1500 – 1630 hrs	Live Demonstration & Training on Energy Efficient Equipments	







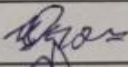
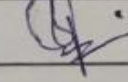
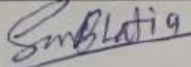
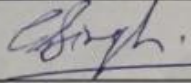
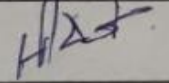
4th Workshop
on
Capacity Building of Local Service Providers at Jalandhar, under GEF-UNIDO-BEE
project, "Promoting Energy Efficiency and Renewable Energy in selected MSME
clusters in India"

Tuesday, 10 July 2018: Hotel President New Court Jalandhar

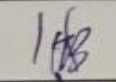

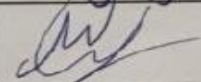
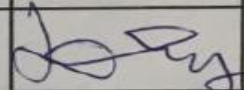
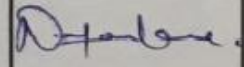

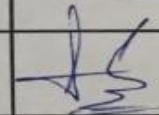
Tuesday, 10 July 2018

0930 – 1000hrs	Registration/ Networking Tea & Coffee	
1000 – 1005 hrs	Welcome Address	Mr Ajay Goswami Managing Director Ajay Industries Limited & Chairman CII- Jalandhar Zonal Council
1015 – 1300 hrs	Technical Session I	
1015 – 1100hrs	Energy Efficient Compressed Air System	Mr Khalid Khan Associate Counsellor – Energy Management Confederation of Indian Industry Chandigarh
1100 – 1130hrs	Energy Efficiency Opportunity in Electroplating Rectifiers Through IGBT Technology	Mr Rajeev Sharma Regional Head-North (Marketing) KraftPowercon India P. Limited, Delhi
1130 – 1200 hrs	Long Life, Low temperature Cleaning/Degreasing Technology in Electroplating	Mr. Shahab Shakeel Marketing Manager - PST & CSP, GMF Atotech India Private Limited
1200 – 1230 hrs	Energy Efficiency in Furnaces & Thermal Systems	Mr Khalid Khan Associate Counsellor – Energy Management Confederation of Indian Industry Chandigarh
1230 – 1300 hrs	Saving opportunities & best practices in Electroplating; Case Study Presentation	Mr Khalid Khan Associate Counsellor – Energy Management Confederation of Indian Industry Chandigarh
1300 – 1315hrs	Q & A and Closing Remarks	
1315 – 1415hrs	Networking Lunch	

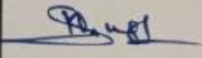
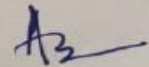
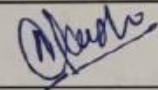
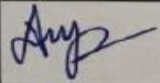
4.2 Scan copy of attendance sheet for training programs

   				
Capacity Building of Local Service Providers at Jalandhar, under GEF-UNIDO-BEE project, "Promoting Energy Efficiency and Renewable Energy in selected MSME clusters in India"				
09 May 2018, Jalandhar				
Attendance Sheet				
S.No.	Company Name	Delegate Name	Designation	Signature 09-05-2018
1	Ajay Industries	Mr. Gurinder	Manager	
2	Ajay Industries	Sukhdev Singh	Electrical Engg.	
3	Bajaj Electrical Industries	Mr. Siddharth Sawhney		
4	Bhatia Electric Stores Private Limited	Gurneet Pal Singh Bhatia		
5	Bhatia Electric Stores Private Limited			
6	Bocki Compressor	Gurneet Singh		
7	Bocki Compressor			
8	EM & EFF Thermal Engineers	Mr. N.P. Singh	✓	✓
9	Forgings And Chemicals Industries	Mr. Harish Purohit	G.M	

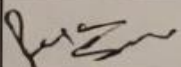
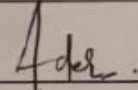
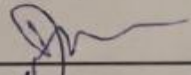
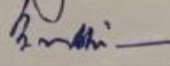

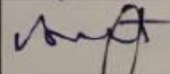
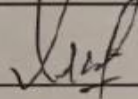

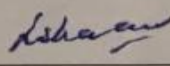
LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 09-05-2018
10	Forgings And Chemicals Industries	Mr. Tirath Brar	Q.A Head.	
11	Forgings And Chemicals Industries	Mr. Majer Singh	Q. A. Head.	
12	Forgings And Chemicals Industries	Mr. Munish Guglani	NPD Engineer.	
13	Forgings And Chemicals Industries	Mr. Manjit		
14	GDPA Fastner	Mr. S.K Ghosh		
15	GDPA Fastner			
16	Gripwell Tools Industries	Mr. Dogra	GM (QC)	
17	Gripwell Tools Industries	NAROTAM KUMAR	Asst Enggr	
18	HR International	KC Sharma Mr. Avtar Singh	A.G.M.	
19	HR International	Amarjot.	Project Mgr	
20	J S Engineers	Mr. Puneet Syal		
21	J S Engineers			

LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 09-05-2018
22	JMP Industries	Mr. Hardeep Singh	Maint incharge	
23	JMP Industries			
24	Kumra Sons			
25	P2 Power Solutions Private Limited	ARNAB MITRA Mr. Shwetank Jain	Managing Director & CEO	
26	P2 Power Solutions Private Limited	Mr. Akash Mishra	Associate	
27	Power System and Control	Mr. Ajay Mahajan		
28	Power System and Control			
29	Rattan Hammers			
30	Rockwell Automation			
31	The Jakson Group	Mr. Vikas Arya +1	GM – Marketing & Sales	
32	Titan Tools Industries			
33	Unison Engineering Industries			



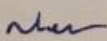
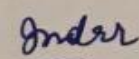
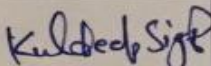
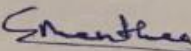
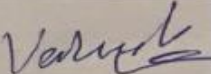
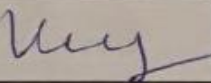
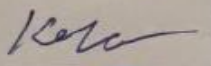

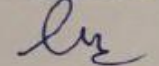
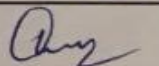
LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 09-05-2018
34	Unison Engineering Industries			
35	Varendra Tools	Yogesh Sharma	Electrical Engineer	Yogesh Sharma
36	Varendra Tools			
37	Vishal Tools and Forging	Mr. Ramnik Singh	R & D Manager	
38	Vishal Tools and Forging	Mr Surinder Kumar	Quality Manager	
39	Consultant	Mr. Dinesh Ahuja	Electrical Engg	
40		Mr. Baljit Singh Ubhi	Professor	
41	Advona Engg	Sadler Sand She	Maritime Tech	
42	cut well Engg Waste	Amrit Pal Singh	Partner	
43	Junega Forging	Vinod Kumar	R & D Manager	
44	Sterling Cast & Forge	Bedwast Singh	Ex. mdr	
45	Vinod Sharma Rava Engg	Vinod Sharma	Partner	

LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 09-05-2018
46	UNIDO - BEE	B. S. GILL	Cluster Leader Hand Tools Talamba	
47	SURINDER SINGH	SURINDER	PARTNER HUMMA TOOL	
48	SUNTEC International Joginder Singh	Joginder Singh	Engineer Suntec	
49	AJAY GOSWAMI	GOSWAMI		
50	Anand Singh A & Steel Co.	Anand Singh	Partner	
51	Star Metal Industries	Mr. Varinder Mahendran	Proprietor	
52	SM International	Arvind Singh Saini	Manager	
53	Vee Key Tools	Brij Mohan	Prop.	
54	Yogesh Sood (ICAI)	Yogesh Sood	Consultant	
55	ACTIVE TOOLS	NARINDER SINGH	MID	
56	JATIN Advance Tools SHOON	JATIN	MID	
57		Kishore palley	Energy Auditor	

LSP: Training Programs Proceedings Report

58	Company Name	Delegate Name	Designation	Signature 09-05-2018
59	Jakson Engineers Ltd.	Ankush Sharma	Asst. Manager	
60	SHANT m	SHANT m	M.D.	
61	Hamco ispat P.v.t	Naraj'sa	Supervisor	
62	Hamco ispat P.v.t	Indrajit	Supervisor	
63	Hamco ispat P.v.t	Kuldeep Singh	Supervisor	
64	Hamco ispat P.v.t	Munish Gupta	Supervisor	
65	Titan Tools Ind.	VARINDER KUMAR	Marketing Head	
66	Heer Sugg Works.	Vijay Kumar	Manager	
67	Heer Brothers Ind	Kolan Heer	Manager	
68	EN.EFF	N.P.S.m	M.D.	
69	Vandela Tools (P) LTD.	Sarjit Singh	M.D.	
70	EN - EFF	Lovekinder Singh	Employee	

LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 09-05-2018
71	JUNEJA FORGINGS	SARABJIT	PARTNER	
72	Himanshu Kaustik SIEMENS	Himanshu Kaustik		
73	UNIDO	Mr. Suresh	National Project Manager	
74	UNIDO	Mr. Nirajpal	National Technology Coordinator	
75	Victor Forging	Mr. Ashwani Kumar	Partner	
76	Euro forge	Vijander		
77	Juneja Forgings	Sarabjit	Intern	
78	Pawan Shree			
79	P. N Automation	Pawan Shree	Partner	
80	P. N Automation	Hase Ram	Partner	
81	CIL	Khalid Khan	As. Consul	
82	CII	Kishore Palley	Engineer	



Confederation of Indian Industry



Centre of Excellence
for Competitiveness for SMEs


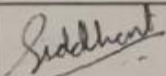
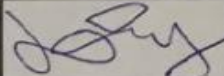
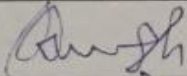
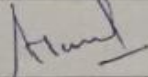
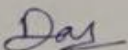
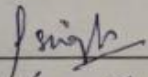
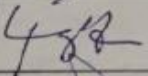
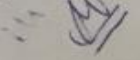
Capacity Building of Local Service Providers at Jalandhar, under GEF-UNIDO-BEE project, "Promoting Energy Efficiency and Renewable Energy in selected MSME clusters in India"

12 June 2018, Jalandhar

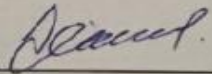
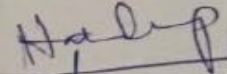
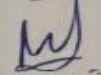
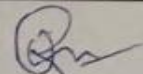
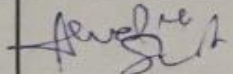
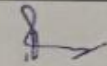
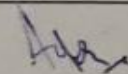
Attendance Sheet

S.No.	Company Name	Delegate Name	Designation	Signature 12-06-2018
1	Ajay Industries	A.K. GOSWAMI	VP	
2	Ajay Industries	Gurdeep Singh	MR	
3	Anant Tools	Mr Praveen Sharma	Electrical Engineer	
4	Anant Tools	Praveen Sharma		
5	EM & EFF Thermal Engineers	Mr. N.P. Singh	Harvendra Singh	
6	EM & EFF Thermal Engineers	Harvendra Singh		
7	Euromax International	Mr Sanjay Singh Yadav	Senior Engineer	
8	Euromax International	Mr Dharmendra Das		

LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 12-06-2018
10	Forgings And Chemicals Industries	Mr Major Singh	Quality Engg	
11	Forgings And Chemicals Industries	Mr Siddhant Aggarwal	Executive	
12	Forgings And Chemicals Industries	Mr Manish Gilani	Purchase officer	
13	Gripwell Tools Industries	Maj. J.S Ghuman	General Manager	
14	Gripwell Tools Industries	Col. Dogra	General Manager	
15	Gripwell Tools Industries	Mr. RC Datta	General Manager	
16	Gripwell Tools Industries	Col Swaran Singh	General Manager	
17	Gripwell Tools Industries	Sub. KK Sharma	Forging Section	
18	Gripwell Tools Industries	Mr. Davinder Singh	Electrical Section	
19	HR International	Mr. Avtar Singh	MANAGER	
20	HR International	ROHIT	Engineer G. P.	
21	Ingersoll Rand	Maninder Singh	Assistant Manager- Air Assessment	

LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 12-06-2018
22	Ingersoll Rand	Ishu Sharma	Manager-Sales	
23	Ingersoll Rand	Kamal Sharma	Manager- Sales	
24	JMP Industries	Mr. Hardeep Singh		
25	PRS Permacel Private Limited	Mr Monish Sharma	Sales Mgr.	
26	PRS Permacel Private Limited	Mr Rajneesh	Zonal mgo	
27	Titan Tools Industries			
28	United Systems & Automation	Mr Amandeep Singh	Head Technical	
29	United Systems & Automation	Satish	Engg	Satish
30	Varindera Tools	Sunder		
31	Victor Forging Tools Pvt Ltd	Dilbag Singh	I/C maintenance	Dilbag Singh
32	Victor Forging Tools Pvt Ltd	Ranobhan Mani	Supervisor electrical	Ranobhan Mani
33	Vishal Tools and Forging	Mr Surinder Kumar	Quality Manager	

LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 12-06-2018
34	Vishal Tools and Forging			
35	Consultant	Mr. Baljit Singh Ubhi	Professor	B.S. Ubhi
36	Gripwell Tools Industries	Mr. Satnam Singh	Electrical	Signature
37	Gripwell Tools Industries	Mr. Harpal Singh	Section Incharge	Signature
38	Eusomax International	Mr. Sarabh Ka Tyagi	Plant Manager	Signature
39	Ajay Industries	Sunder Singh	Electrical Worker	Signature
40	GEF-UNIDO-BEE (Project)	B.S. GILL	Club Leader	Signature
41	VICTOR Forgings	Ashish	Director	Signature
42	Rava Engg Corp	Vinod Sharma	Partner	Signature
43	HUMMA TOOLS	Sunder Singh		Signature
44	A.G. Steel Corp	Amrit Singh	Partner	Signature
45	STAR METAL INDUSTRIES	S. Kumar S. Saini		Signature

LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 12-06-2018
46	Sim-International	Sanjay .	Partner	
47	OMKAR FORGING	Neesha K.	Incharge	
48	OMKAR Forging	G. A. Harish	G.M	
49	G. J. Singh + I DEN	Prop		
50	Virek Kumar	Prop	Manager	
51	CII	Khelid Khan	As. Constn.	
52	CII	Kishore Palley	Engineer	
53	Confederation of Indian Industry	Virek Choudhary	Engineer Energy Management	
54				
55				
56				
57				



Confederation of Indian Industry



CII

Centre of Excellence
for Competitiveness for SMEs

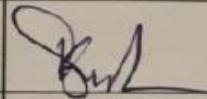
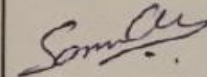
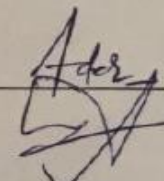
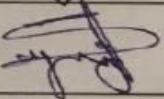

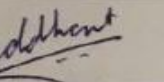
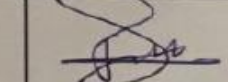
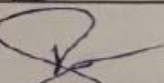
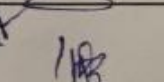
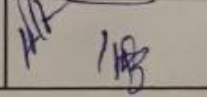
Capacity Building of Local Service Providers at Nagaur, Under GEF-UNIDO-BEE Project, "Promoting Energy Efficiency and Renewable Energy in selected MSME Clusters in India"

26 June 2018, Jalandhar

Attendance Sheet

S.No.	Company Name	Delegate Name	Designation	Signature 26-06-2018
1	WIPRO LIGHTING IND	GAURAV DHIMAN	Executive - Lighting Solutions	
2		PRASHANT PATIL	SALES CONSULTANT	
3	UNIDO-BEE-GEF	B. S. GILL	CLUSTER LEADER	
4	Josam Enrgs	Jogendra Singh	M. In charge	
5	S.M International	Rajendra	E.L.E	
6	Star metal	Ram Kamesh Singh	Electrician	
7	AG Sleep Corp.	Sita Ram sah	mechanical	Sita Ram
8	Cent well Tools	Gaurav	plumber	Gaurav

LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 26-06-2018
9	Talbot Forging	Sagor	mechurst	
10	Anant Tools	Kuldeep Singh	mEle	
11	Grundfos Pumps India Pvt Ltd.	Samir Chandra	Area Manager (North)	
12	Vishal TIRE & Forging Pvt-Ltd.	Surinder Kumar	Head of Dept ⁿ (Quality)	
13	Wipro Enterprises Ltd.	Anshu Mehta	ASM	
14	M Forging & Chemical Ind	Major Singh G.A. Eng.	G.A. Engg.	
15		Joy Dewari		
16	Forging & Chemical Ind	Siddhant Aggarwal	Executive	
17	Anant tool (P) Ltd.	Pawan Shrivastava	Exec Engineer	
18	Anant tool (P) Ltd.	Haseem	Exec Engineer	
19	Mr. Harish Patel GAYKAT Forging	Mr. Harish Patel Mr. T. Bora	Plant Head Engineer	

LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 26-06-2018
20	OAYKAY Tools	Hemish Purohit	Plant Head	
21	PSPCL	Er. ASHOK KUMAR	Sa. Xeen / DS East Division Jalandhar	
22	PSPCL	Er. Navdeep Ran	SDO Ind. Area Jal.	
23	AJAY Mty CO	A-K GOSWAMI	Partner	
24	Amandeep Singh Sandhu	Grifwell tools Ind		
25	Majra THE GRIPWELL TOOL INDUSTRIES (P) LTD	Majr JS Ghuman	GM (P)	
26	— do —	Mr RC DUTTA	GM (P)	
27	— do —	LT COL SWARAM SINGH	GM (ADM)	
28	for Ajay Industries	Bramod 102 Singh	HOS (elect)	
29	Ajay industries	Deefak Kundan	MOS (QA)	
30	Dinesh Ahuja F.M.I	Dinesh Ahuja	Electrical Engr	
31	Daljeet Singh Victor Foreign	Daljeet Singh	Per Mgr	

LSP: Training Programs Proceedings Report

S.No.	Company Name	Delegate Name	Designation	Signature 26-06-2018
32	Star metal Ind.	Shivan Panwar	SUPERVISOR	Shivan Panwar
33	Bedi Industrial Tools Corp.	Baljeet Singh	Manager	Baljeet Singh
34	HUMMA TOOLS	Surinder Singh	Partner	Surinder Singh
35	Anand Bapari E-View Global	Anand Bapari	Prod. Director	Anand Bapari
36	Central Institute of Hand Tools & J.L.	Ashwani Kumar	TO-E	Ashwani Kumar
37	Central Institute of Hand Tools Ind.	Manish Dixit	Incharge Forging	Manish Dixit
38	Confederation of Indian Industry.	Ahmed Khan.	Asst. Center.	Ahmed Khan
39	CII, Chandigarh	Kishore Palley.	Engineer	Kishore Palley
40	CII, Chandigarh	Pankaj Dote	Energy Engineer	Pankaj Dote
41	Confederation of Indian Industry	Vivek Choudhary	Engineer	Vivek Choudhary
42				
43				



Confederation of Indian Industry

Centre of Excellence
for Competitiveness for SMEs

Capacity Building of Local Service Providers at Jalandhar, under GEF-UNIDO-BEE project, "Promoting Energy Efficiency and Renewable Energy in selected MSME clusters in India"

10 July 2018, Jalandhar

Attendance Sheet

S.No.	Delegate Name	Company Name	Designation	Mobile No	Email Id	Signature 10-07-2018
1	Rasdeep Singh	M/S Jumaia Forgings Jal.	H.O.P. Electroplating	95920-43937		
2	Amandeep Singh Sandhu	M/S Grippwell Tool Industry	Trainee	9872153277	asandhu_brlb @thapar.edu	
3	B. S. GILL	UNIDO	CLUSTER LEADER	9915619909	bsgill1957@ yahoos-in	
4	Darinder Singh	M/S Grippwell Tools ind	Electrical sec	9872902266	Nimran. Sami 5757 @gmail.com	
5	R. C. DATTA	GRIFFWELL TOOLS IND.	GM UNIT-2	9779209104	GRIFFWELL UNIT 2	
6	Major JS Ghuman	— do —	GM(P) UNIT-1	9814572858	—	
7	Deval AS Singh (Retd)	— do —	GM (G)	9915267641	—	
8	Ravi Rai	— do —	ELPH Tech	9355851941	UNID I.	
9	Najeeb Singh	Forging & Chemical	G.A. Engg	9914102384	Wm. K. Singh 26/07/2018	

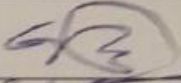
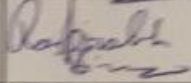
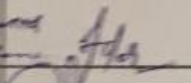
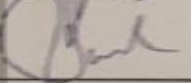
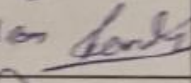
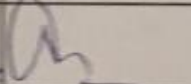
LSP: Training Programs Proceedings Report

S.No.	Delegate Name	Company Name	Designation	Mobile No	Email Id	Signature 10-07-2018
10	Gaurav Rathi	Kraft Powercon	CS & QA Support.	9654390567	gaurav.rathi84@rediffmail.com	
11	Sandeep Singh	Kraft Powercon	Engineer	9717226101	ssg4sain-singh@gmail.com	
12	Sukhdev Singh	AJAY industries	Slot say	9878157985		
13	Yash Patel	AJAY industries	Tool room incharge	9592100995		
14	Rajeev Sharma.	Kraft Powercon	Regional Head	9717744335		
15	Praveen Kumar Singh	Victor Forging	EP-Exchange	9457190826		
16	Daljeet Singh	- Do	Proc Mgr	8872622071	praveen@victorforging.com	
17	A-K Goswami	AJAY MFL	V.P.	9814060295	ajay@ajayindia.com	
18	Jodh Singh	Artotech	sr. Area Manager	9815366221	jodh.singh@artotech.com	
19	Shahab Shakil	Arvee	Manager	9750255025	Shahab.Shakil@arvee.com	
20	AVTAR SINGH	H.K. International Unit II	MANAGER A.A	9779294511	avtar.singh294@gmail.com	
21	Rohit	"	Engineer A.A	9988357475	rohit.sharma4@gmail.com	

LSP: Training Programs Proceedings Report

S.No.	Delegate Name	Company Name	Designation	Mobile No	Email Id	Signature 10-07-2018
22	Anant Torkh (P) Ltd	SAGAR		8528880590	—	
23	Balber Tools Cooper	Sita Ram sah		9878625320		Sita Ram
24	Gagan Engg	Jagan Singh		9780536350		
25	Rava Engg	Ram Narresh Singh	Elect.	094194786		
26	Star Melait	Ganesh	Plumber	6280773702		Ganesh
27	Hamma Tools	Raj Kumar		9501002314		
28	S. M International	Kuldeep Singh		98786 27370		
29	Pawan Sharma	Asst. Tech. (S) Tech	Technical Advisor	9877501582 98144-91694		
30	Hase Ram	Asst. Tech. (S) Tech	Technical Advisor	987794245		
31	Tyrols Bruv	OmKam fargui	O.N Head	88720-42001		
32	Mr. Harish Purohit	do	G.M	8872000581		
33	Mr. Satnam Singh	do	M/C Head	88720 22337	Satnam.vicky15@gmail.com	

LSP: Training Programs Proceedings Report

S.No.	Delegate Name	Company Name	Designation	Mobile No	Email Id	Signature 10-07-2018
34	G. J. Singh	Delta Energy nature	Prop	9816014114	dengjes@ vho.com.	
35	Rajprabh Singh	Delta Energy nature	Prop Sup	9988603012	Rajprabh2012@ gmail.com	
36	Sarinder Kumar	Vishal Tools & Pipery	H.O.D QA	9781271790	kyatsarinderkumar @gmail.com	
37	Varinder Singh	Kalsi Electricals	Asst. Qty. Engr.	7814136259	Varinder.singh @live.in	
38	Pankaj Kumar	Kalsi Metal works Pvt. Ltd	Asst. (Production) Engineer	9478629539	pankaj-syahi@ gmail.com	
39	Khair Kh.	Capubetia Pvt. Ltd.	Area Council	826584114	khair.kh@ gmail.com	
40						
41						
42						
43						
44						
45						