



August 2018

CAPACITY BUILDING OF LOCAL SERVICE PROVIDERS (LSP) UNDER GEF-UNIDO-BEE PROJECT “PROMOTING EE/RE IN SELECTED MSME CLUSTERS IN INDIA”

Training Need Assessment Report- Jamnagar Brass 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

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1. PROJECT BACKGROUND

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. This will enable improvement in the productivity and competitiveness of units, as well as reduce overall carbon emissions and improve the local environment.

The details of the sectors and clusters identified is as below:

Table 1 : List of clusters identified

Sector	Cluster
Brass	Jamnagar, Gujarat
Ceramics	Khurja, Uttar Pradesh
	Morbi, Gujarat
	Thangadh, Gujarat
Dairy	Gujarat
	Kerala
	Sikkim
Foundry	Belgaum, Karnataka
	Coimbatore, Tamil Nadu
	Indore, Madhya Pradesh
Hand tools	Jalandhar, Punjab
	Nagaur, Rajasthan

Confederation of Indian Industry – CII Sohrabji Godrej Green Business Centre has been engaged to carry out the assignment on “Capacity building of Local service providers (LSPs) under GEF-UNIDO-BEE project “Promoting energy efficiency and Renewable energy in selected MSME clusters in India” for the Brass cluster- Jamnagar.

2. TRAINING NEED ASSESSMENT

2.1 Objective of Assessment

The main objective of this assessment is to identify the gaps of Local Service Providers in the cluster in terms of skill set, technical knowledge and organizational strength. This analysis will help in maintaining a sustainable market linkage for the promotion of EE/RE technologies. There are various stake holders involved in the project which is depicted in the figure.

Out of this various stake holders the assessment was carried out for

- Local Service Providers
- Local Industrial Units

Training need analysis provide necessary knowledge and information on training and skill development requirement of LSPs as well as the plant employees in the cluster.

This information will help in the

preparation of a good training strategy that can boost the knowledge and skill set on latest energy efficiency (EE)/Renewable energy (RE) technologies and their applications. Training need assessment is important for these reasons: -

- Increasing awareness among the units for taking good quality local services
- LSPs are unaware of the rapid technological advancement in EE/RE technologies.
- Employees play a key role in making a plant energy efficient, so plants management are ready to spend resources for their training and development on latest trends in technologies.

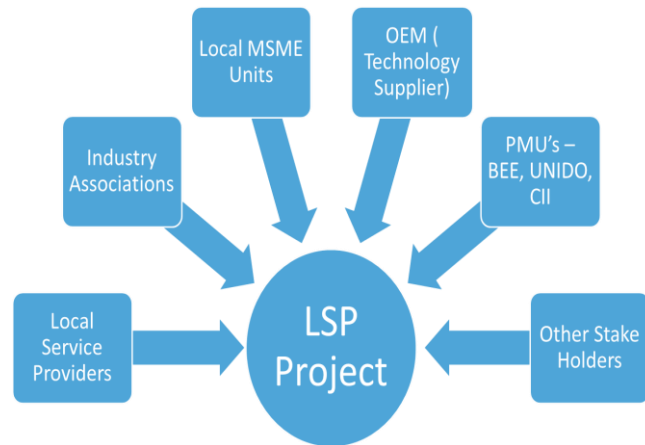


Figure 1: Project Stake holders

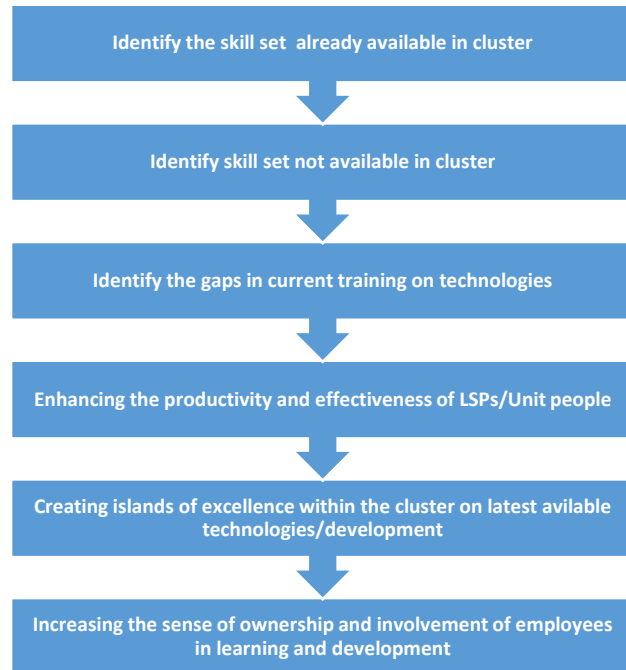
2.2 Goals of Training Need Analysis

The main objective of training need assessment was to determine whether a training need exists and if it does, what type of training was required to fill the gap. The expectation of knowledge, skills sets and abilities of officials at different levels was different so there training needs were also different.

The training need assessment survey identified the knowledge, skills and abilities needed to achieve those goals by minimizing the existing gaps which in turn will enhance the productivity and thereby ensuring good quality products and services. The main focus was on collective need that can add value to the overall competitiveness of the cluster.

This will help in:-

- Ensuring healthy competition
- Creating sustainable market environment
- Production improvements
- Staff development



3. METHODOLOGY FOR ASSESSMENT

The entire activity was done in 3 phases:



3.1 Desk Work Analysis

This phase mainly consists of data collection and development of questionnaire to understand the needs of the cluster. Detailed list of brass units in the cluster had been obtained from the Jamnagar Factory Owners’ Association and the brass units. With the help of collected data, mapping of local service providers and industries was done in the cluster. In the mapping procedure LSPs were classified based on the technology/service offered, location served and the skill set. A training need assessment questionnaire was developed to capture the information as shown below:-

Table 2: Training need assessment questionnaire

LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider (LSP)	
Address	
Contact Person Name	
Designation	
Mobile No	
Email ID	
Existing Skill set?	
Education Level?	
What are your area of services?	
What type of Industries you cover?	
Type of challenges faced?	
Type and name of OEM you work with?	
New areas you would like to Learn?	

Areas in which training is required?	
In which Language Training material is required?	
Is training material required in soft or hard copy?	
Expectation from the Project?	

The questionnaire consists of mainly 2 components:

- General Information – includes questions regarding type of company, name, year of existence etc.
- Specific Information – Identify the existing knowledge and skill set, to understand the type of challenges faced by LSPs and new areas of learning required by the LSPs/ Industries

From the detailed mapping, more than 30 LSPs were identified for Jamnagar Brass Cluster and the preliminary desk work helped in understanding the size of LSP and the type of service they provide.

3.2 Field Survey

In this phase detailed discussions happened with LSPs and brass Industries in the form of a structured interviews and these meetings helped us in understanding the perceptions of different stakeholders in terms of training needs, what are the areas of improvement, various gaps that exists in terms of technology/services . The field survey was conducted for around 26 LSPs and some of the major brass units in the cluster.

Table 3: Activities of field survey

Field Survey	
Activities	<ul style="list-style-type: none"> • Understanding the organization • Interviewing LSPs and key personnel’s of Units • Collecting Information (General and Specific) • Identifying the gaps that exists
Purpose	The primarily focus was on performance related issues that are directly concerned with training needs or any other issues influencing their performance. This helped in establishing a baseline for the training program
Outcome	<ul style="list-style-type: none"> • Identified training needs for individuals • Supporting evidence of the performance problem these training needs will address. • Identified non-training needs that may significantly influence performance • Able to identify the technological gaps

The following table shows an analysis of the outcome of the interaction had with various local service providers and brass employees in the cluster.

Meeting with Local Service Providers

- Employees of local service providers in Jamnagar brass clusters were not well educated but have good hands on experience
- Most of the service providers were small (avg 5 employees) in Jamnagr brass cluster and most of them directly provide services to the units .
- LSPs had good sound knowledge in the services and technologies that they are serving to the cluster
- Huge market challenge as there are lots of technology suppliers providing same technology at different price
- LSPs were unaware of recent developments happening in terms of increasing Energy Efficiency

Meeting with Industrial Units

- Some of the bigger units had inhouse maintenance people for the regular maintenance activities.
- Plant people were aware of regular O&M of an equipment but still there exists a gap for improving energy efficiency
- Training should mainly focus on latest EE/ RE technologies with less focus on O&M.

3.3 Analysis of Data

After conducting the field survey to various local service providers, brass units, associations etc., the data collected from various sources were analyzed to identify the areas of improvement, target group specific training needs and preferred training delivery mechanisms. A sample data collection sheet collected from one of the LSP is attached below. Detailed list of survey forms is attached in Annexure 1.

LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider (LSP)	Dhruv Patel, Case packer
Address	Rajesh Chemicals Pvt. Ltd. Jamnagar
Contact Person Name	Ms. Brju Patel
Designation	9751 3623 6045 - 6045
Mobile No.	9751 3623 6045 - 6045
Email ID	dhruv.patel@rajeshchem.com
Working Skill set?	Automation
Education level?	Graduate Commerce
What are your area of services?	Brass
What type of Industries you cover ?	Brass, oil, Soap
Type of challenges faced?	Lack of awareness regarding energy efficiency, automation, PLC, energy saving equipment
Type and name of O&M you work with?	Auto make, installation of pumps, angle pump
New areas you would like to learn?	PLC in motor, Automation & energy saving
Areas in which training is required ?	PLC in motor, Automation, energy saving equipment
In which language Training material is required?	English
Is training material required in soft or hard copy?	hard & soft both
Expectation from the Project?	more knowledge of PLC in motor
Suggestions/Remarks	

Figure 2: Sample filled Questionnaire

After analyzing the various data questionnaires and feedback received from LSPs and brass units, following inferences were made: -

Skill Set

In Jamnagar Cluster, the skill set of employees on existing technologies and operations was on lower side (60%). This was mainly due to fact that most of the LSP' were small in size. Also, during the field survey to brass units, almost all the maintenance related activities in the plant were carried out by diploma and hands on experience people. Only about 33% fall in medium category which includes few motor reminders, mechanical repair and maintenance operators mainly for utilities etc.

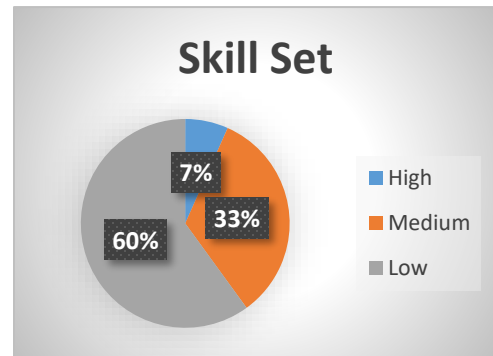


Figure 3: Skill set of stakeholders

Educational Qualification

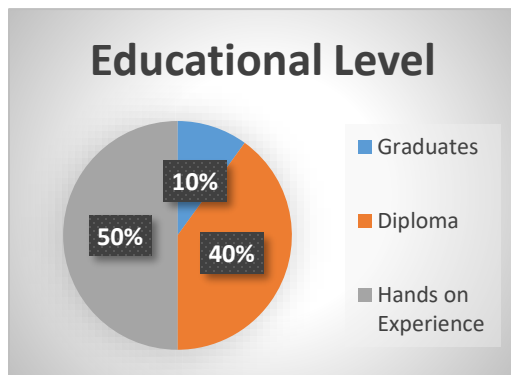


Figure 4: Educational qualification of stakeholders

Most of the stakeholders who participated in the survey fall in hands on experience without any formal educational background. Local service providers and brass units in the cluster had a mix of graduates, diploma holders and uneducated having practical hands on experience. Even though the education level was on lower side and they were well versed in their day to day operations, the survey helped in identifying various gap towards advancements in latest EE/RE technologies.

Gap Analysis

The gap analysis helped us in identifying the exact requirement on what type of training should be given. And two major concerns shown by the LSPs in the cluster were lack of update regarding the various advancements happening in EE/RE technologies and market challenge due to cross selling and competitive price. Some of the requirements from various LSPs / units on technological aspect were:-

- Latest advancements in Induction furnace
- Best practices on energy efficiency opportunities in reheating furnace like waste heat recovery, burners etc.

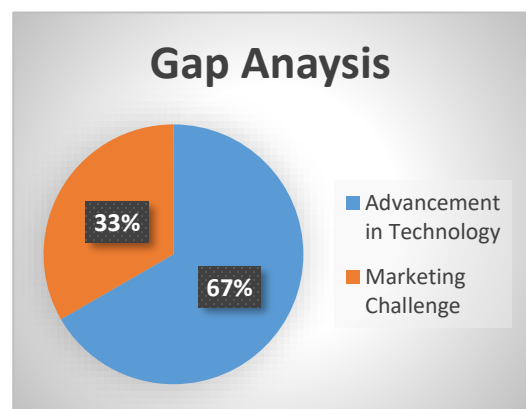


Figure 5: Gap analysis

Based on the survey and data analysis, a frame work has been designed for the training programs in Brass Cluster. The graph below shows the interest shown by the various stake holders on different topics for the training program: -

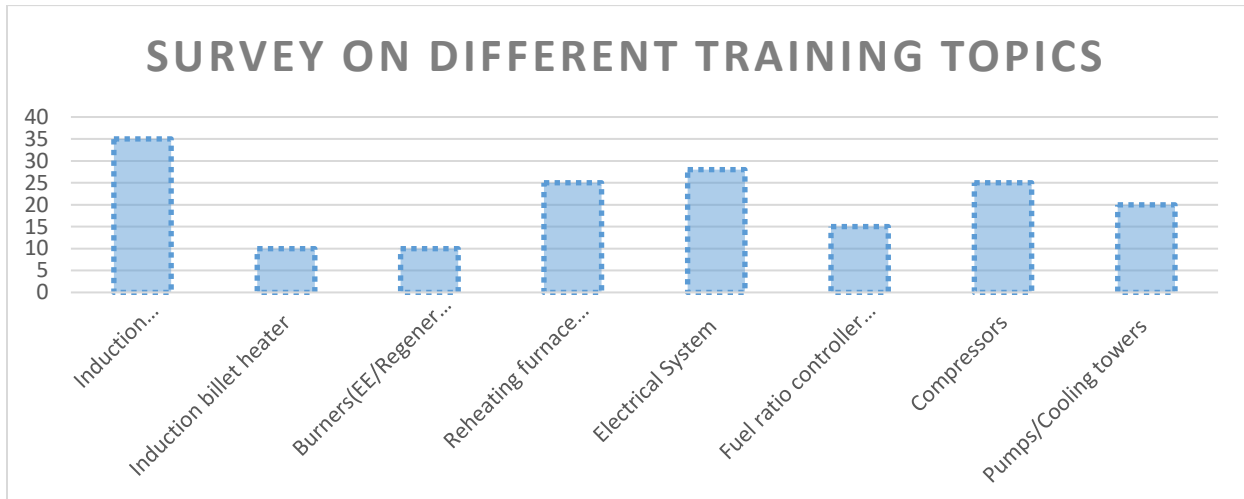


Figure 6: Survey of different training topics

- Most of the units and local service providers shown interest in induction melting furnace as one of the main topics for training program. This was due to fact that melting furnace was one of the critical and main application in a plant, training on latest technological advancement as well as best O&M practices will help the cluster in optimizing this section and making it more energy efficient.
- There was a good response from the cluster on reheating furnace modification for fuel switch and electrical system the local service providers/unit operators and maintenance persons wanted this training program as a platform to learn about best operating practices
- In utility section, most of the equipment’s were supplied by OEMS like Atlas Copco, Godrej and Grundfos etc. The demand for training program in utilities came from the units. They wanted to mainly understand what are the recent developments happening in optimizing the energy consumption in utility section
- Electrical system was another topic which was selected by units and local service providers in the cluster. Most of the stakeholders were interested on energy efficient motors, harmonics mitigation, power factor improvement and electrical safety.
- Some of the cluster specific topics identified for the training program were waste heat recovery, EE burners and regenerative burners.

3.4 Training Workshops

After the identification of training needs, the topics for the programs should be designed in such a way that the training plan caters the priorities of a wide range of stakeholder’s mainly local service providers and unit employees who are working at shop floor. After consultation with the main stake holders in the cluster and based on the survey results some of the key topics identified are shown in the figure:



Figure 7: Identified training topics

The specific focus of the training program is explained in the figure on the right side.

As a part of the training need assessment, specific training modules will be prepared for the cluster which will cover: -

- Basics of the technology
- Best Practices and Case studies
- Specific benchmarking figures
- Latest advancements in technology on energy efficiency
- Safety guidelines for efficient operation
- Infographics and pictures

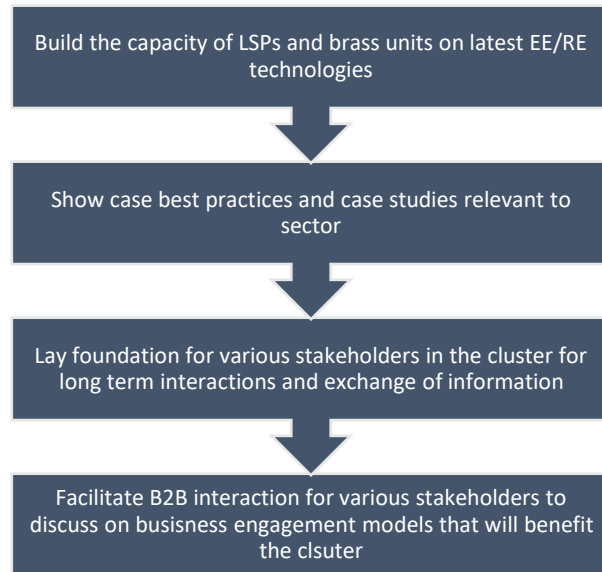


Figure 8: Objective of training program

The training materials will be based on internationally available training courses and on locally developed case studies such that it can be adopted by all the stake holders in the cluster. Some of the possible modalities for facilitating training is given below:-

- Class room Training
- Plant visits
- Training videos
- Training manuals/pamphlets

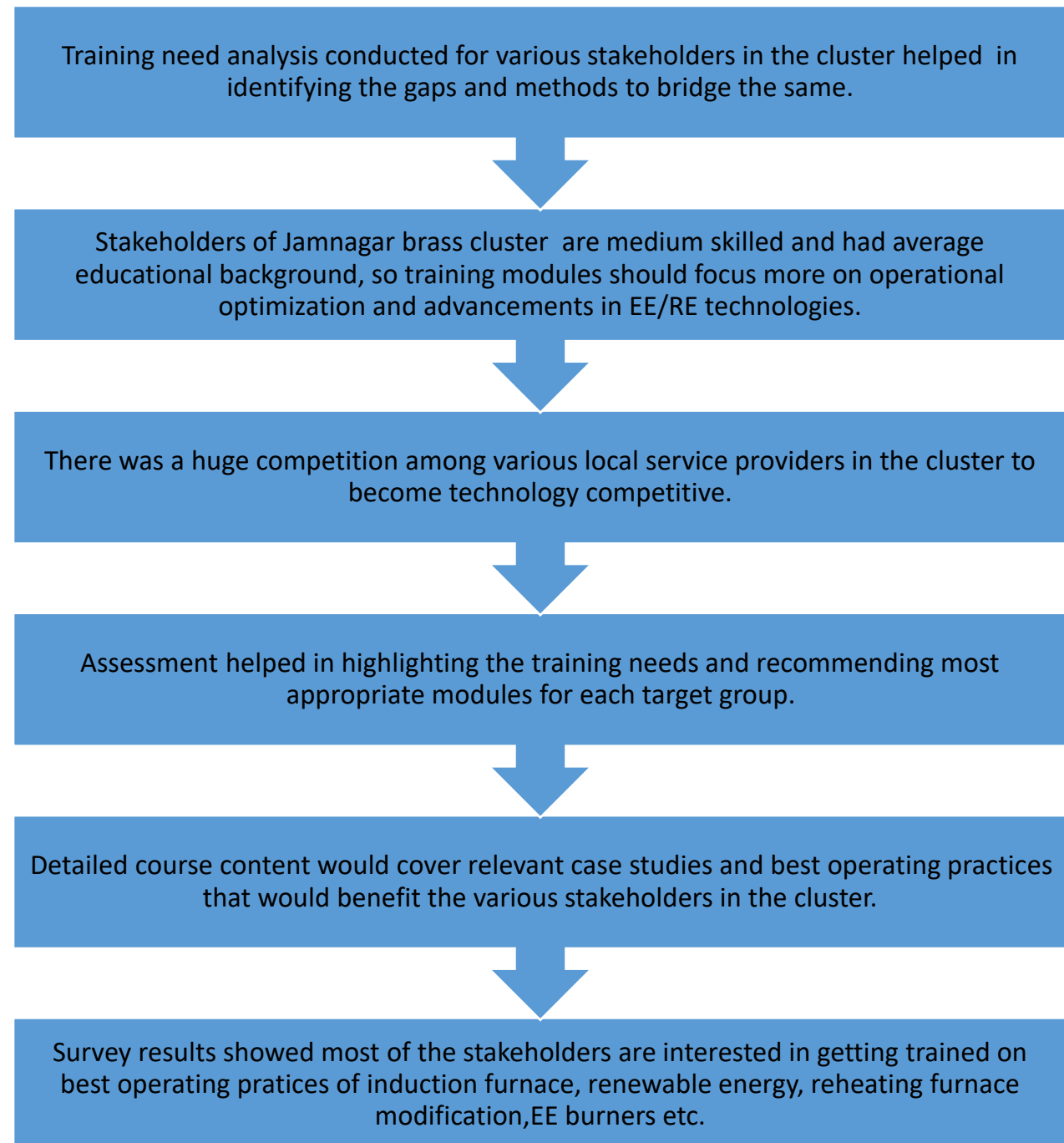
The table below shows the schedule of the various training programs planned in Jamnagar brass Cluster

Training Need Assessment Report

Table 4: Training Program schedule

Dates	Location	Theme	Target Audience	No of Participants
10-Apr-18	Jamnagar Factory Owners Association	Thermal and Utilities	Electrical/Mechanical Maintenance Operator/Technicians , local dealers, technology providers, Plant operators and maintenance engineers	80
28-Apr-18		Electrical system and Renewable energy		
15-May-18		Thermal and Utilities		
30-May-18		Electrical system and Renewable energy		

4. CONCLUSIONS OF THE ASSESSMENT



5. ANNEXURE



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Piyush Sanchariya
Address	Jamnagar
Contact Person Name	Piyush Sanchariya
Designation	
Mobile No	94289 88549
Email ID	
Existing Skill set?	Electrical Maint of CNC/NC machines
Education Level?	ITI - wireman
What are your area of services?	Installation & Commissioning of wiring, MCC-PLC, PLC Brass, oil
What type of Industries you cover ?	
Type of challenges faced?	Lack of awareness base on energy efficiency & automation
Type and name of OEM you work with?	-
New areas you would like to Learn?	PLC Program
Areas in which training is required ?	PLC Programming.
In which Language Training material is required?	Gujarati
Is training material required in soft or hard copy?	YES both
Expectation from the Project?	

Suggestions/Remarks:

મુજબ સુધારવાની જરૂર છે

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	P.K Engineering
Address	Jamnagar
Contact Person Name	Kaushik Mehta
Designation	Energy Consultant
Mobile No	90252 66522
Email ID	pkeshik@gmail.com
Existing Skill set?	consultancy
Education Level?	Diploma
What are your area of services?	Permanence (Installation) consultancy, Installation
What type of Industries you cover ?	Explosion & foundation
Type of challenges faced?	-
Type and name of OEM you work with?	-
New areas you would like to learn?	
Areas in which training is required ?	-
In which Language Training material is required?	Gujarati
Is training material required in soft or hard copy?	Yes.
Expectation from the Project?	

Suggestions/Remarks:

K.R. Mehta

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Q Power
Address	108, Rangoli Com Complex Gandol road, Rajkot
Contact Person Name	Mr. Jitendra L. Parakh
Designation	
Mobile No	99789 77900
Email ID	info@qpower.co.in
Exiting Skill set?	10 years
Education Level?	5 years
What are your area of services?	Energy Audits, Automation, Installation Automation Panel, Turnkey & Retrofit Solution
What type of Industries you cover ?	Machine-tools, Grinding, Textiles, Plastics, Foundary
Type of challenges faced?	Technical Awareness
Type and name of OEM you work with?	micro hydrology, bhoomi eng. cupritech eng., Rajhance Alloys.
New areas you would like to Learn?	IE-4 motors
Areas in which training is required ?	CNC controller
In which Language Training material is required?	Gujarati, hindi, English
Is training material required in soft or hard copy?	
Expectation from the Project?	Support require VFD, IE3 motor for promoting.

Suggestions/Remarks:

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Dhiraj sales corporation
Address	Plot no. 402 'Ghantasa Tekli', Jamnagar
Contact Person Name	Mrs. Bisju Patel
Designation	
Mobile No	99251 52023 landline - 0288- 2560021
Email ID	dhirajelectrical@yahoo.com
Existing Skill set?	Automation
Education Level?	Graduate Commerce
What are your area of services?	Brass
What type of Industries you cover ?	Brass, oil, Soap
Type of challenges faced?	Lack of awareness regarding energy efficiency, financial budget regarding energy efficiency.
Type and name of OEM you work with?	Amber motor, Rajlaxmi g kumar, Angel pump
New areas you would like to Learn?	IEH motor, Automation & measuring equipment
Areas in which training is required ?	IE-h motor, Automation, measuring equipment
In which Language Training material is required?	Gujarati
Is training material required in soft or hard copy?	hard & soft both
Expectation from the Project?	want dealership of IE-h motor

Suggestions/Remarks:

DHIRAJ SALES CORPORATION

 PROPRIETOR

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Vazlaty Trading
Address	Jamnagar
Contact Person Name	G.P. Muthu
Designation	
Mobile No.	9574 271314
Email ID	
Existing Skill set?	
Education Level?	Diploma
What are your area of services?	Retractories, Billet heating system
What type of Industries you cover ?	Extension Plant
Type of challenges faced?	Better way of heating i.e. Electric/oil/PNG.
Type and name of OEM you work with?	Foseco India DACA monolithics
New areas you would like to Learn?	PNG
Areas in which training is required ?	Gas fired melting and heating system with better efficiency.
In which Language Training material is required?	English.
Is training material required in soft or hard copy?	Soft copy
Expectation from the Project?	

Suggestions/Remarks:

G.P. Muthu
10/1/18

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Tet industries
Address	Roycot (Gujarat)
Contact Person Name	Bhupendra & Koninga/Jaydeep
Designation	Service Engineer
Mobile No	9824036885 / 9408612608
Email ID	jettindustries03@gmail.com
Exiting Skill set?	5
Education Level?	6
What are your area of services?	Hydraulic weight lifting & Battery operated mlus
What type of Industries you cover ?	Brass units all types
Type of challenges faced?	-
Type and name of OEM you work with?	-
New areas you would like to Learn?	Battery operation lifts
Areas in which training is required ?	Maintenance
In which Language Training material is required?	Gujarati / English
Is training material required in soft or hard copy?	-
Expectation from the Project?	More Business Opportunity

Suggestions/Remarks:

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Devang Bhatt - 20000
Address	
Contact Person Name	Devang Bhatt
Designation	
Mobile No	9328682290
Email ID	
Existing Skill set?	compressed air handling equip.
Education Level?	DME Guzarat, Rajasthan, & NCR
What are your area of services?	
What type of Industries you cover ?	BRASS Ind.
Type of challenges faced?	Quality Awareness, old Pumping HRV,
Type and name of OEM you work with?	Ingersoll-Rand
New areas you would like to Learn?	New Technology in compressor
Areas in which training is required ?	compressor, Air dryer, Filters, Pipelimo,
In which Language Training material is required?	Guzarati
Is training material required in soft or hard copy?	Hard copy
Expectation from the Project?	

Suggestions/Remarks:

Devang
9328682290

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	CNC times Pvt Ltd
Address	Maharashtra
Contact Person Name	Vikendra Patel
Designation	Dy Manager Sales
Mobile No	97188/31424
Email ID	
Existing Skill set?	CNC Machines
Education Level?	Diploma
What are your area of services?	
What type of Industries you cover ?	
Type of challenges faced?	
Type and name of OEM you work with?	
New areas you would like to Learn?	
Areas in which training is required ?	
In which Language Training material is required?	
Is training material required in soft or hard copy?	
Expectation from the Project?	

Suggestions/Remarks:

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	H. P Products
Address	Rajkot
Contact Person Name	Parashibhai Cojjar
Designation	owner
Mobile No	98250 70080
Email ID	hpproducts@gmail.com
Existing Skill set?	Automation
Education Level?	Diploma
What are your area of services?	SPM & Automation
What type of Industries you cover ?	Machining Industries.
Type of challenges faced?	New Market in Electronics Based Component
Type and name of OEM you work with?	Delta, Panasonic, Sanyo Denki Hust, Rexpath
New areas you would like to Learn?	
Areas in which training is required ?	Rajkot -
In which Language Training material is required?	English Gujarati / Hindi
Is training material required in soft or hard copy?	Yes
Expectation from the Project?	Improvement in documentation

Suggestions/Remarks:

Vachhanel.

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of Local Service Provider (LSP)	Manuti Machine
Address	Plot no. 4116 (17), K-Road, Ph-3 & IDC ; Dared, Jamnagar
Contact Person Name	Mr. Jaysukhbhai Pitroda
Designation	
Mobile No	94264 58073
Email ID	manutimaching@gmail.com
Existing Skill set?	Pulverizer Machine, Dust collector.
Education Level?	I. T. I.
What are your area of services?	Specialization in Pulverizer Machine & Dust Collector
What type of Industries you cover ?	Brass, MS & SS
Type of challenges faced?	Lack of Technical Knowledge Lack of Skilled workers
Type and name of OEM you work with?	Energy efficient Burner mfg.
New areas you would like to Learn?	Design of recuperator, Regenerative Burners
Areas in which training is required ?	Energy efficient Burner, Recuperator
In which Language Training material is required?	Gujarati
Is training material required in soft or hard copy?	yes both
Expectation from the Project?	Design of recuperator Regenerative Burners.

Suggestions/Remarks:

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Aditya Induction Tech
Address	218 Mandi Plot Anand bungalow, Rajha
Contact Person Name	Rajan D. Dhruvacharya
Designation	Partner
Mobile No	8111880000
Email ID	adityainduction@gmail.com
Existing Skill set?	Designing and manufacturing
Education Level?	Diploma in software Engineering
What are your area of services?	Induction Heater Heating machine
What type of Industries you cover ?	forging / casting
Type of challenges faced?	Lack of awareness in energy efficiency & automation
Type and name of OEM you work with?	-
New areas you would like to Learn?	Induction Heater & its automation
Areas in which training is required ?	Induction Heater & its automation
In which Language Training material is required?	Yes Gujarati
Is training material required in soft or hard copy?	Yes both
Expectation from the Project?	

Suggestions/Remarks:

Rajan

Training Need Assessment Report



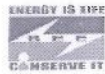
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LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Zener Electrical Trading
Address	Shop no.2, R.K.Commerical Complex, Plot 4011, Dared, Jamnagar
Contact Person Name	Mr. Hashmukh Chhedra
Designation	
Mobile No	9428690915, 99138938880
Email ID	zenerelectrical.trading@gmail.com
Existing Skill set?	
Education Level?	ITI currama
What are your area of services?	
What type of Industries you cover ?	Brass Product Machine manufactures
Type of challenges faced?	-
Type and name of OEM you work with?	-
New areas you would like to Learn?	PLC Logic
Areas in which training is required ?	PLC logic
In which Language Training material is required?	Gujarati
Is training material required in soft or hard copy?	Yes to both
Expectation from the Project?	

Suggestions/Remarks:

HS

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Vardhman Sales Corporation
Address	1st Floor, New Super Market, Jamnagar.
Contact Person Name	Rohit Kothari
Designation	
Mobile No	94272 10411, 98252 10511
Email ID	vscjam@yahoo.com, vscjam@gmail.com
Existing Skill set?	Diploma in Electronic
Education Level?	"
What are your area of services?	APAC panel, UPS, Harmonic Filters.
What type of Industries you cover ?	Brass, oil industry.
Type of challenges faced?	Lack of technical knowledge.
Type and name of OEM you work with?	Amtek Electronic, Sunix Electric Neesa Luminous
New areas you would like to Learn?	
Areas in which training is required ?	IE-4 motor, BLDC fan
In which Language Training material is required?	English / Gujarati
Is training material required in soft or hard copy?	yes both
Expectation from the Project?	

Suggestions/Remarks:

Rohit

Training Need Assessment Report

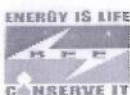


LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Hasmukh Kumbhakar
Address	Jamnagar
Contact Person Name	
Designation	
Mobile No	
Email ID	
Existing Skill set?	
Education Level?	Electrical Supervisor Exam Pass
What are your area of services?	Motor Rewinding, Installation & Commissioning of Panel
What type of Industries you cover ?	Brass.
Type of challenges faced?	
Type and name of OEM you work with?	
New areas you would like to Learn?	
Areas in which training is required ?	PLC Programming CNC VMC Maintenance
In which Language Training material is required?	Gujarati
Is training material required in soft or hard copy?	Yes in both
Expectation from the Project?	Knowledge Upgradation

Suggestions/Remarks:

સરકારી સહાયતા માટે

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Mr. Ashvin Bababjiya
Address	Jamnager
Contact Person Name	
Designation	
Mobile No	98242 22077
Email ID	
Exiting Skill set?	Panel installation, House wiring Industrial wiring
Education Level?	ITI wiseman.
What are your area of services?	Industrial wiring. Panel Installation.
What type of Industries you cover ?	Brass
Type of challenges faced?	Lack of awariness
Type and name of OEM you work with?	
New areas you would like to Learn?	IE-h motor, MCC PCC Commission Installation.
Areas in which training is required ?	IE-h motor, Transformer
In which Language Training material is required?	Gujarati
Is training material required in soft or hard copy?	Yes both
Expectation from the Project?	

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Panchasara Machine tools
Address	Jamnagar
Contact Person Name	Nimesh P. Panchasara
Designation	-
Mobile No	997991061
Email ID	nimesh_comp@y@yahoo.com
Existing Skill set?	Fabrication (ITL/Diploma)
Education Level?	ITL/DIPLOMA
What are your area of services?	→ Fabrication, replation machine tools
What type of Industries you cover ?	Extension plants
Type of challenges faced?	-
Type and name of OEM you work with?	-
New areas you would like to Learn?	CNC turning machine
Areas in which training is required ?	Fitting / turning & welding
In which Language Training material is required?	Gujarati / English
Is training material required in soft or hard copy?	Hard copy
Expectation from the Project?	-

Suggestions/Remarks:

Panchasara Machine Tools
Nimesh P. P.
Proprietor

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Dev Gethic
Address	482, Patel Chowk, GIDC Ph-2 Dared, Jamnagar
Contact Person Name	M/s. Vijay Ganatra
Designation	
Mobile No	9099708666
Email ID	ganatravijay02@gmail.com
Existing Skill set?	Control Panel wiring, Motor Rewinding
Education Level?	ITI wiseman
What are your area of services?	Brass, Soap, Notebook
What type of Industries you cover?	Brass, Plastic, Soap, Book
Type of challenges faced?	Lack of awakness, in energy efficiency approach
Type and name of OEM you work with?	STAT (Pneumatic Product)
New areas you would like to Learn?	VFD Drive, IE-H motors, Servo
Areas in which training is required?	VFD drive, MCC Panel, servo stepper motor, PLC logic.
In which Language Training material is required?	Gujarati
Is training material required in soft or hard copy?	Yes Both
Expectation from the Project?	Require agency of Siemens motor

Suggestions/Remarks:

Vijay

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	DAVE NAIMESH J
Address	K-1-247 Phase I
Contact Person Name	DAVE NAIMESH J.
Designation	Owner
Mobile No	9328809827
Email ID	davenaimesh @ yahoo.com
Existing Skill set?	
Education Level?	Diploma in Electrical
What are your area of services?	Foundry
What type of Industries you cover ?	Brass parts/ Aluminium Ind/ Zinc Oxide Ind / Copper
Type of challenges faced?	
Type and name of OEM you work with?	
New areas you would like to Learn?	^{new} Material developing in Crucible
Areas in which training is required ?	11
In which Language Training material is required?	
Is training material required in soft or hard copy?	
Expectation from the Project?	

Suggestions/Remarks:

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	IMMORTAL INNOVATION
Address	AHMEDABAD
Contact Person Name	Mob- 91-7600370887
Designation	DIRECTOR
Mobile No	PERSON DHRUV PANCHASARA
Email ID	Panchasara.dhruv@gmail.com
Existing Skill set?	
Education Level?	DEGREE (B.E) in Elec.&Comm, STATE GUJARAT
What are your area of services?	
What type of Industries you cover ?	- BRASS - AUTOMATION - CERAMIC - OEM - PHARMA - SOLAR
Type of challenges faced?	
Type and name of OEM you work with?	- LOT OF MACHINE MANUFACTURER - ALL TYPE OF MACHINE MANUFACTURER
New areas you would like to Learn?	
Areas in which training is required ?	- AUTOMATION - Project deve. - SOLAR - scada. - Energy efficiency.
In which Language Training material is required?	GUJARATI, HINDI, ENGLISH
Is training material required in soft or hard copy?	NO.
Expectation from the Project?	

Suggestions/Remarks:

[Handwritten signature]

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	J.P Electrical
Address	Jamnagar
Contact Person Name	Pravinbhai Patel
Designation	
Mobile No	9824283894
Email ID	
Exiting Skill set?	electrical wiring & panel design
Education Level?	Graduate / employed (LTI)
What are your area of services?	→ Motor Rewinding, wiring & panel design
What type of Industries you cover ?	→ All industries
Type of challenges faced?	→ lack of finance available
Type and name of OEM you work with?	→ kopo capacitor
New areas you would like to Learn?	→ solar & electrical panel
Areas in which training is required ?	→ designing
In which Language Training material is required?	→ English / Gujarati
Is training material required in soft or hard copy?	Yes
Expectation from the Project?	→ New work in the areas of new techs like solar etc

Suggestions/Remarks:

Pr Patel.



Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Kailash Electric
Address	Jamnagar
Contact Person Name	Mahendrabhai Patel
Designation	-
Mobile No	
Email ID	
Existing Skill set?	electric Rewinding (Exp-20)
Education Level?	BAUB (20 years exp)
What are your area of services?	wiring & Rewinding
What type of Industries you cover ?	Brass units all types
Type of challenges faced?	Lack of knowledge for new technologies
Type and name of OEM you work with?	-
New areas you would like to Learn?	- 204 Motors Rewinding
Areas in which training is required ?	- Motor Rewinding
In which Language Training material is required?	Gujarati
Is training material required in soft or hard copy?	Soft & hard
Expectation from the Project?	-

Suggestions/Remarks:

KAILASH ELECTRIC STORES

Mahendrabhai Patel
Proprietor

Training Need Assessment Report



Confederation of Indian Industry

LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Indutokeem
Address	Shmedated
Contact Person Name	Dinesh Dholakia
Designation	Manager
Mobile No	937696183
Email ID	ddholakia@indutokeemindia.com
Existing Skill set?	Industriation experience
Education Level?	Diploma/ Graduate
What are your area of services?	Finances
What type of Industries you cover ?	Metting
Type of challenges faced?	-
Type and name of OEM you work with?	-
New areas you would like to Learn?	-
Areas in which training is required ?	-
In which Language Training material is required?	-
Is training material required in soft or hard copy?	-
Expectation from the Project?	speed promotion in the cluster

Suggestions/Remarks:

Training Need Assessment Report



Confederation of Indian Industry

LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Ronak Electrical
Address	58, Digvijay Plot N.E. Anjali Cinema JAMNAGAR
Contact Person Name	Mr. Poavin P. Mehta
Designation	-
Mobile No	9824512572
Email ID	
Existing Skill set?	motor rewinding
Education Level?	B.E (Electrical)
What are your area of services?	motor rewinding, factory wiring, electrical repair (commercial) monoblock pump repair
What type of Industries you cover ?	Brass Ind., Commercial Hospital
Type of challenges faced?	Lack of technical awareness
Type and name of OEM you work with?	-
New areas you would like to learn?	IE-H motor, Electrical Panel
Areas in which training is required ?	Electrical Panel, IE-H motor
In which Language Training material is required?	Gujarati
Is training material required in soft or hard copy?	Yes Both
Expectation from the Project?	knowledge upgradation

Suggestions/Remarks:

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	NIPA electronics Pvt Ltd
Address	-
Contact Person Name	Nikhil Shah
Designation	-
Mobile No.	9824502900
Email ID	-
Existing Skill set?	Certificate / Diploma
Education Level?	Energy Audit & Panel mount Panel design & manufacturing
What are your area of services?	-
What type of industries you cover ?	All types
Type of challenges faced?	Lack of awareness
Type and name of OEM you work with?	-
New areas you would like to Learn?	-
Areas in which training is required ?	-
In which language Training material is required?	-
Is training material required in soft or hard copy?	-
Expectation from the Project?	Need business opportunities in brass industry

Suggestions/Remarks:

Nikhil

Training Need Assessment Report



LSP Training Need Assessment Form for Jamnagar Brass Cluster	
Name of the Local Service Provider(LSP)	Narash Steel Creation
Address	Jamnagar
Contact Person Name	
Designation	
Mobile No	9426208737
Email ID	
Existing Skill set?	Cutting, winding unwinding
Education Level?	10 th Pass.
What are your area of services?	Cutting of steel,
What type of Industries you cover ?	Engg and Machinery
Type of challenges faced?	→ Cutting M/C Breakdown
Type and name of OEM you work with?	Suzata M/C
New areas you would like to Learn?	Trading,
Areas in which training is required ?	Flexslow Machine repair
In which Language Training material is required?	Gujrati
Is training material required in soft or hard copy?	Hard Copy
Expectation from the Project?	

Suggestions/Remarks:

Tushar 9426208737