

**Scaling Up of Investments through  
Energy Services Company (ESCO) Mechanism  
in MSME Cluster  
By deploying  
Standard Energy Efficient Technology (SEET)**

# Energy Efficiency Services Limited (EESL)



**Energy Efficiency Services Limited (EESL)- A Joint Venture of PSUs under Ministry of Power, Government of India**  
5<sup>th</sup> floor, Core 3, Lodhi Road, New Delhi 110003, Website: [www.eeslindia.org](http://www.eeslindia.org)

Supporting Partner

Global Green Growth Institute (International Intergovernmental Organization)

Executive Agency

Federation of Indian Chambers of Commerce and Industry(FICCI)

# Objective of the Scheme



Energy Efficiency in MSMEs by deploying low-cost Energy Efficient Technologies

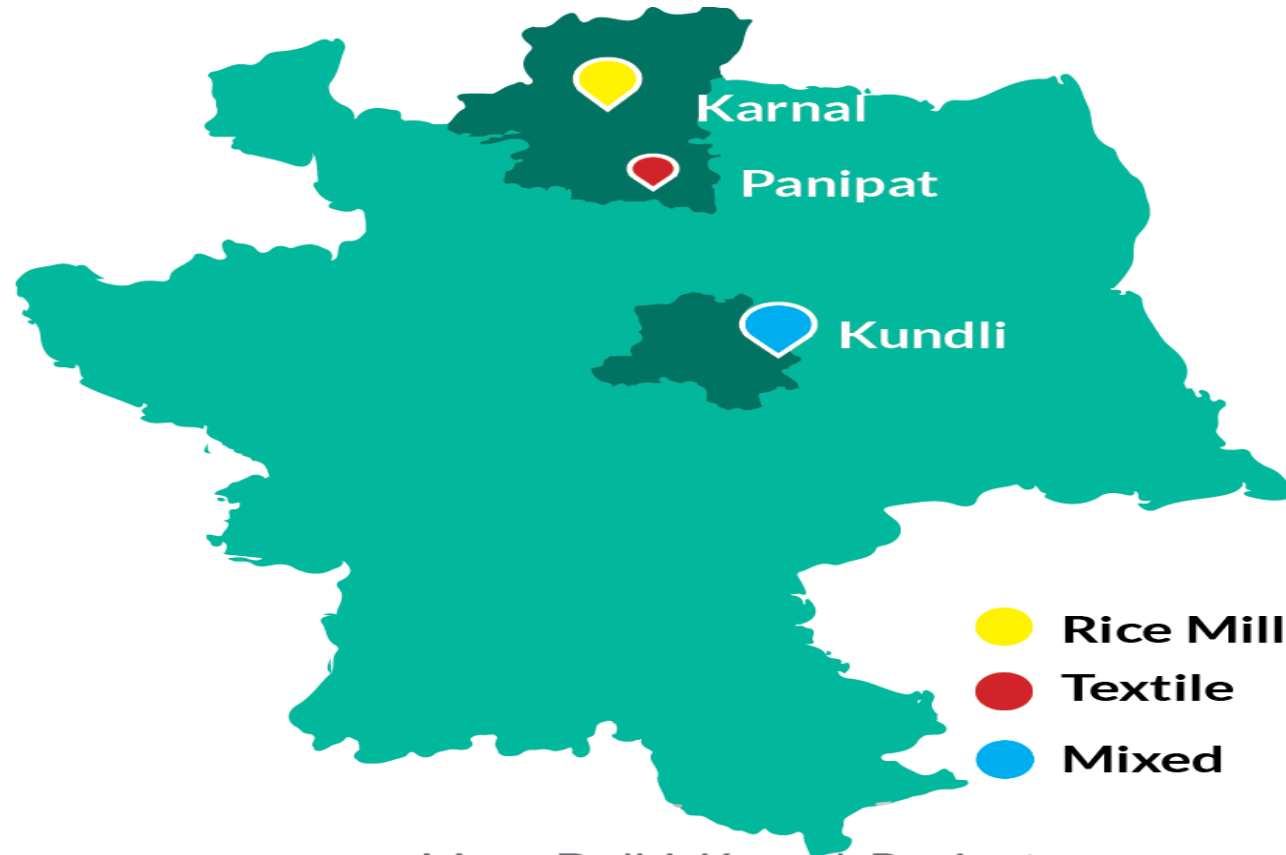


Monetary savings In MSME sector by providing technologies at lowest possible cost by Bulk procurement through Demand Aggregation, as well to reduce the energy cost of MSME sector by Energy Saving



Creating market for Energy Services Companies/Technology Providers by providing Ease of financing & energy efficient technologies to MSME

## Targeted Clusters under this Scheme:



Map: Delhi, Karnal, Panipat

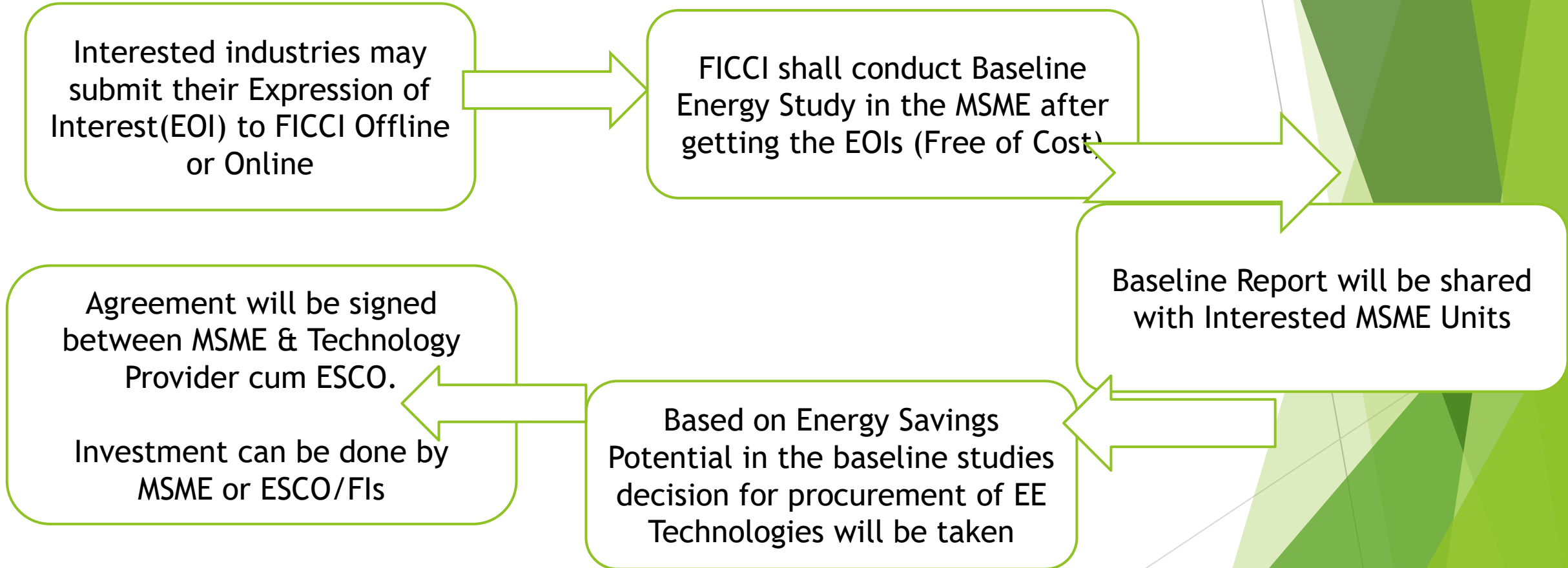
# Participation Criteria for MSMEs

- ❖ Micro, Small & Medium Enterprises from the identified cluster i.e. Panipat(Textile), Karnal(Rice), Kundli(Mixed) can only participate in the scheme
- ❖ MSME must have valid unique Udyam number(Unique 12 digit number)
- ❖ There will be voluntary participation by MSMEs
- ❖ There will not be any participation fees for Expressing the interest
- ❖ The participation is first cum first serve basis, As free of cost baseline study will be conducted for initial few early participants that is around 90 No of MSME in 3 identified clusters and identified MSMEs can avail other Govt scheme benefits by getting visibility & recognition in different Government platforms.

## How to Participate in the scheme

- Interested MSMEs can submit their duly filled Expression of Interest (Eoi) signed by authorised person of MSME in the prescribed format to FICCI or EESL (Contact No Surender Kr Verma, +919818186253, surender.verma@ficci.com / Pushpendra, +919313636244, [pushpendra.nayak@ficci.com](mailto:pushpendra.nayak@ficci.com) thru Email, What's app or Physically
- Expression of interest can be submitted by visiting the mentioned Link <https://seet.ficci.in/form.php> on website too. Acknowledgement mail/Message after receipt & evaluation of the EOI will be sent to the Participant / MSME
- List of Interested MSMEs will be displayed on EESL Website Later

## Program Flow



\*ESCO-Energy Services Company

\*FI- Financial Institute

\*Baseline -Refer next slide

## Baseline Study:

Energy related parameters will be measured and taken by FICCI in the Interested MSME (For Particular Technology only) in the desired format

Baseline study may take about 1 to 2 days, There will be no shut down or partial stoppage during the study. Study will be conducted in the presence of MSME technical staff

The baseline report will be jointly signed by MSME & FICCI. If there will be energy saving potential, then latest energy efficient technology will be implemented in the MSME. Post implementation baseline study will also be conducted in the same manner



## Demand Aggregation:

- After taking the Expression of interest (EOIs) from different MSME units, FICCI (consulting agency) shall conduct baseline studies free of cost to aggregate the demand for the verified MSMEs in the 3 identified clusters
- The objective of this activity is to get the Demand for Bulk Procurement, so that the Cost of Technology can be Reduced by Getting the Economies of Scales and Benefits can be Given to MSME Units
- Based on the list provided by FICCI after demand aggregation, Technology providers/ESCOs can submit their quotations to EESL/FICCI

## Identified Technologies under this Scheme :


	Technologies	Savings	Locally available(Yes/ No)	Ease of implementation	Post implementation support
1	<u>Replacement of Reciprocating compressor by Screw Compressor with VFD enabled permanent magnet motor</u>	20-25%	yes	yes	yes
2	<u>Installation of 100% Flash steam condensate recovery system</u>	20-25%	yes	yes	yes
3	<u>Installation of PLC based automation in Jet Dyeing Machine in Textile cluster</u>	15-20%	yes	yes	yes
4	<u>Installation of automation &amp; control system in Boiler</u>	15-20%	yes	yes	yes


## Identified Technologies under this Scheme:


	Technologies	Savings	Locally available(Yes/No)	Ease of implementation	Post implementation support
5	<u>Low Grade Waste Heat Recovery</u>	10-15%	yes	yes	yes
6	<u>0.75 to 75kW Energy Efficient (IE3) Motors</u>	5-15%	yes	yes	yes
7	<u>32-35 Watt BLDC Fan 1200 mm Sweep</u>	>40%	yes	yes	yes

To know more details about technology, you may visit <https://msme.eeslindia.org/>

# Annexure 1 - (Expression of Interest (Eoi) Format )

  
**GGGI**  
Global Green Growth  
Institute

  
**EESL**  
Energy Efficiency Services Limited

  
**FICCI**  
Federation of Indian Chambers  
of Commerce and Industry

**Expression of Interest (Eoi) are invited from Industries who are willing to Adopt/Implement Energy Efficient Technologies in their Units/Plants**

FICCI- EESL- GGGI are deploying **Standard Energy Efficient Technologies (SEET)** in MSME Industries through innovative financing mechanism which will **Improve Industrial Productivity, Reduce Electricity & Fuel Bills, Control Emission of Pollutants, Access to Technologies at Discounted Price, reducing Operating & Maintenance Cost.** FICCI will provide full technical support to industries during the course of project in selection of technologies, negotiation with vendors, implementation and verification of savings incurred.

**Targeted Industrial Clusters of Haryana:**  
 (a) Rice Mill Cluster, Karnal; (b) Textile Cluster, Panipat; (c) Mixed Industry Cluster, Kundli, Sonipat

<b>Name of the Industry/MSME Unit :</b>	
<b>Contact Person Name :</b>	
<b>Designation :</b>	
<b>Mobile:</b>	
<b>Email ID:</b>	
<b>Address:</b>	
<b>District (Tick) :</b>	<input type="checkbox"/> Karnal <input type="checkbox"/> Panipat <input type="checkbox"/> Kundli-Sonipat
<b>Products Manufactured:</b>	

*Select the Technology, you are interested to Adopt/Implement, FICCI Team will approach you with more details*

S.N.	Name of the Technology	Energy Saving	Payback Period, year	Interested (PI Tick)
1	Replacement of Reciprocating Compressor by Screw Compressor with VFD & Permanent Magnet Motor	20-25%	1.5-2	
2	Installation of 100% Flash Steam and Condensate Recovery System	20-25%	1.5-2	
3	Installation of PLC based Automation & Control System for Jet Dyeing Machine	15-20%	1.5-2	
4	Installation of Automation & Control System in Boiler	15-20%	1.5-2	
5	Low Grade Waste Heat Recovery	10-15%	2-2.5	
6	1-75 kW Energy Efficient (IE-3) Motors	5-15%	1.5-2	
7	32-35 Watt BLDC Fan 1200mm Sweep	>40 %	1-1.5	
<b>Any other Technology you are interest, if any:</b>				

# Demand Aggregation:



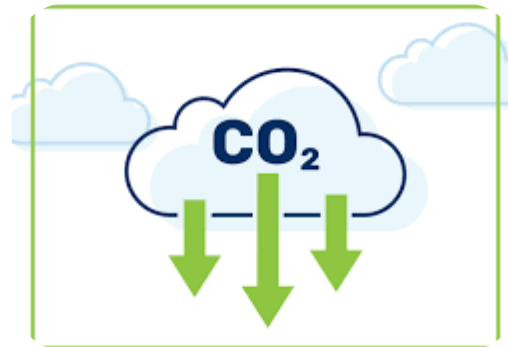
This activity shall be carried out by FICCI after conducting the baseline study in the MSME



Technology cost get reduced by bulk procurement after demand aggregation



MSME can avail the cost saving as well energy saving without investment



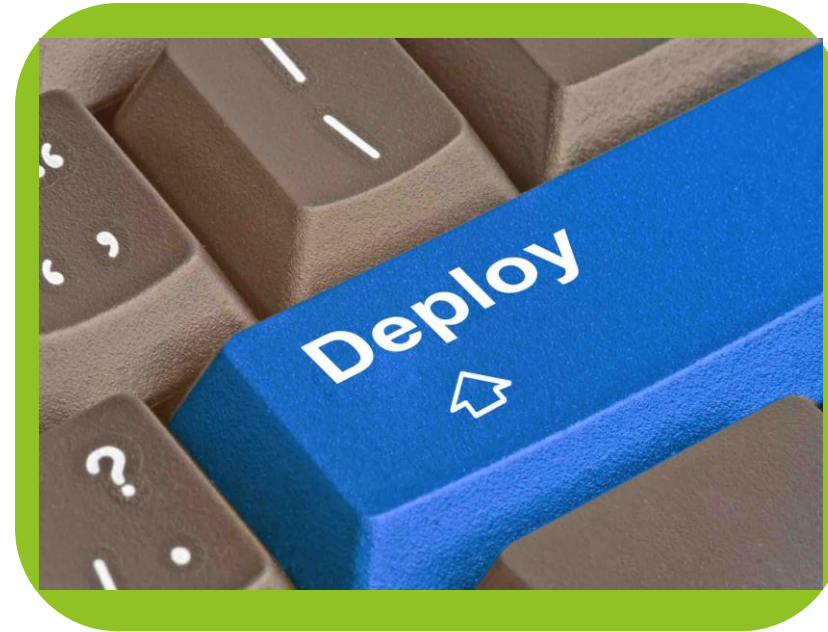
It will reduce the Carbon footprints too by energy saving



## Matchmaking Between EESL - Technology Provider and MSME Industry :



One to One Meeting Between  
EESL/Technology Vendor and  
MSME Industry



Technology cost get reduced  
by bulk procurement after  
demand aggregation and  
Ready to Deploy

# Annexure 2(Contact Details FICCI/EESL)

*For Further Information, Please Contact:*

**Federation of Indian Chambers of Commerce and Industry (FICCI)**  
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**Thank You**