

Technology Information, Forecasting and Assessment Council (TIFAC)
(An Autonomous Body of Department of Science and Technology)
5th Floor, AI Block, Technology Bhawan, New Delhi – 11-0016

WALK-IN-INTERVIEW – “Consultants/Experts”

TIFAC invites eligible candidates for the walk-in-interview on November 10, 2023 at 12.00 PM onwards for part time consultancy for study project entitled “Technology validation of the energy efficient (EE) technologies-based plant and machinery equipment’s identified across 35 MSME sectors as Green Technology database” to carry out technology validation of identified energy efficient technologies-based plant and machinery equipment’s through secondary sources as a table top part time consultancy work.

A. Objective:

The already compiled green technology database would serve the following 35 MSME sectors i.e. General Engineering (Electricals), General Engineering (Thermal), Manufacturing of Electrical Equipment, Stone Cutting, Machine Tool, Printing, Bricks, Commercial Buildings, Glass, Ceramics, Pulp and Paper, Foundry, Textiles, Cement, Iron & Steel, Brass & Aluminium, Chemical, Pharmaceutical & Bulk Drugs, Limestone, Refineries, Casting and Forging, Sponge Iron, Mini Steel, Metals, Auto components, Steel Re-rolling, Leather, Rubber, Plastics & Polymers, Packaging, Food Processing, Ice Making, Tea Processing, Renewable Energy Technologies, multiple sectors etc. The information of around 832 energy efficient plant and machinery items on aforementioned sectors is available under following heads in excel sheet which would be required to be validated by the consultants / experts:

Equipment / Technology	Energy Saving Potential (%)		Other Advantages	MSME Sector	Average Energy Savings	Machine Load	Cost of the Machine	Energy Charge per Unit	Annual Monetary Savings	Annual Energy savings	Annual GHG Emission Reduction	Annual Eq. Energy Saving
	Min	Max										
					%	Kw	Rs.	Rs./Kw/hr	Rs./year	KWhr/year	Tons of CO2/year	Tons/year

B. Scope of work:

The broad ToR of this table top exercise on green technology database will cover the following action points:

- List of Green Technologies (having at least Energy Saving Potential of >10%) with focus on both: 1. Mitigation 2. Adaptation
- List of Green Technologies (having Energy Saving Potential of <10%) with focus on both: 1. Mitigation 2. Adaptation
- Equipment / Technology / Process wise list of reputed OEMs / Vendors / Machinery Suppliers, etc

- Energy Saving Potential (%) – Min. & Max.
- Name of Equipment Supplier (National & International) & Average unit cost
- Variable factors for Energy Savings
- GHG (CO2) emission reduction Range in Quantity (tCO2/Yr)
- Removal of plant and machinery equipment's from this list
- Addition of new available EE plant and machinery equipment's in the list for MSME sectors

C. Duration: 04-06 weeks

The consultants/experts will have to complete all aspects of the assigned work based on their sectoral expertise and submit the final report to TIFAC within 4-6 Weeks. The draft report shall be submitted within 4 weeks from the start of work or letter of acceptance by the consultants/experts, whichever is earlier.

D. Remuneration:

A consultancy fee of Rs. 500/machinery item (with no other benefits) for technology validation of the data compiled by SIDBI and a consultancy fee Rs. 1500/machinery item (with no other benefits) for augmenting the new EE plant & machinery equipment's in the various MSME sectors would be paid.

E. Qualification & Experience: Qualification and experience should be commensurate with nature of work in the defined MSME sectors

F. Nature of Duties: Technology validations of available database through secondary sources and report writing

Eligible candidates may send duly filled-in application form (Annexure-1) possibly on or before November 09, 2023 and also indicate their preference to join the interview through online/offline mode at e-mail: basakpr@tifac.org.in, brajesh@tifac.org.in,

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APPLIATION PROFORMA

Project Name: Technology validation of the energy efficient (EE) technologies-based plant and machinery equipment's identified across 35 MSME sectors as Green Technology database

Application for the position: **Part time Constancy**
 MSME Sectoral expertise:

Paste Passport size Photo

1	Name in full (in Block letters)			
2	Father's Name			
3	Date of Birth			
4	Age as on 31.10.2023			
5	Nationality			
6	Correspondence address			
7	Permanent Address			
8	E-mail			
9	Phone No. (Mobile/Landline)			
10	Qualification in chronological order (class 10th onwards)			
	Board/university institutions	Degree/Diploma/certificate	Year of passing	Marks obtained & % of marks

11	Desirable experience, if any:			
	Name of Organization	From	To	Nature of work performed
12	Any other information:			

13. Undertaking:

I hereby certify that the foregoing information is correct to the best of my knowledge and belief. I have not suppressed any material fact or factual information in the above statement. In case, I have given wrong information, or suppressed any material fact or factual information, then my services are liable to be terminated without giving any notice or reasons thereof. I am not aware of any circumstances which might impair my fitness for employment under Government.

Date:

Place:

Signature