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## Request for Proposal

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### Impact Assessment of Bureau's Scheme Promoting Energy Efficiency Activities in Different Sectors of Indian Economy for the period of FY 2021- 22 to FY 2025-26

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**Last Date of Submission  
July 3, 2025**

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Bureau of Energy Efficiency  
Ministry of Power, Government of India  
4<sup>th</sup> Floor, Sewa Bhawan,  
R.K. Puram, Sector-1, New Delhi -110066

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# 1. Letter of Invitation

## 1.1 Advertisement

The Bureau of Energy Efficiency, Ministry of Power intends to undertake impact assessment of its scheme namely 'Promoting Energy Efficiency Activities in Different Sectors of Indian Economy' for the period of FY 2021-22 to FY 2025-26. In this regard, Request for Proposals are sought from leading firms /organizations having relevant sectoral experience & requisite infrastructure to undertake such assessment.

The scope of work, format for Earnest Money Deposit, Performance Security by way of Bank Guarantee and Letter proforma have been described in Section 3, Section 9, Section 10 and Section 7.1 respectively. Request for Proposal (RFP) must be submitted on the **GeM portal** within 21 days from the date of publication on Bureau's Website.

The submission of the RfP document must be accompanied with the payment of bid processing fee of Rs. 5000/- (Rupees five thousand only) and refundable Earnest Money Deposit of Rs. 200,000/- (Rupees Two Lakhs only). The payment will be accepted in the form of crossed demand draft drawn on any scheduled commercial bank/ Bank Guarantee, payable at par in New Delhi in favour of Bureau of Energy Efficiency, New Delhi.(Payment details attached at **Annexure III**)

It is mandatory to submit the proposal through **GeM** only and also request to submit the information in proposal as per desired format. The Proposals are liable to be rejected if information is not provided in the desired formats/modification in format. Other mode of submission shall not be accepted.

For further details please contact the undersigned.

Sd/-  
Secretary  
Bureau of Energy Efficiency  
4th floor, Sewa Bhawan,  
R K Puram New Delhi – 110066  
Tel : 91-11-26766700,

Email: [bee-secretary@beeindia.gov.in](mailto:bee-secretary@beeindia.gov.in)

## 1.2 Critical Information

Availability of RFP	<a href="http://www.beeindia.gov.in">www.beeindia.gov.in</a> , June 12, 2025
Last date for receipt of Queries	June 18, 2025 up to 1600 hrs
Pre-bid meeting	June 19, 2025 at 1100 hrs (Link will be provided later on BEE website)
Last date for receipt of Proposal	July 3, 2025 at 1500 hrs
Date and Time of opening of Bids	July 3, 2025 at 1530 hrs
Venue for Pre-Bid meeting and opening of Bids	Virtual (Link will be provided later on BEE website)
Contact Person for queries	Shri Neeraj Naik (Project Engineer)  Bureau of Energy Efficiency 4th Floor, Sewa Bhawan, R.K. Puram, New Delhi -110066 Tel: 91-11-26766700  Email: <a href="mailto:neeraj.naik99@beeindia.gov.in">neeraj.naik99@beeindia.gov.in</a>
Submission of Proposal to be addressed to	Secretary Bureau of Energy Efficiency 4th Floor, Sewa Bhawan, R.K. Puram, New Delhi -110066, India Tel: 91-11-26766700

## 2. Background Information

### 2.1 About BEE

The mission of Bureau of Energy Efficiency (BEE) is to develop policy and strategies with a thrust on self-regulation and market principles, within the overall framework of the Energy Conservation Act (EC Act), 2001 with the primary objective of reducing energy intensity of the Indian economy. This will be achieved with active participation of all stakeholders, resulting in accelerated and sustained adoption of energy efficiency in all sectors.

The setting up of Bureau of Energy Efficiency (BEE) provides a legal framework for energy efficiency initiatives in the country. The Act empowers the Central Government and in some instances the State Governments to:

- Notify energy intensive industries, other establishments, and commercial buildings as designated consumers.
- Establish and prescribe energy consumption norms and standards for designated consumers.
- Direct designated consumers to designate or appoint certified energy manager in charge of activities for efficient use of energy and its conservation.
- Get an energy audit conducted by an accredited energy auditor in the specified manner and intervals of time.
- Furnish information with regard to energy consumed and action taken on the recommendation of the accredited energy auditor to the designated consumer.
- Comply with energy consumption norms and standards, and if not so, to prepare and implement schemes for efficient use of energy and its conservation.
- Prescribe energy conservation building codes for efficient use of energy and its conservation in commercial buildings →State Governments to amend the energy conservation building codes to suit regional and local climatic conditions. →
- Direct owners or occupiers of commercial buildings to comply with the provisions of energy conservation building codes.
- Direct mandatory display of label on notified equipment and appliances.
- Specify energy consumption standards for notified equipment and appliance.
- Prohibit manufacture, sale, purchase and import of notified equipment and appliances not conforming to standards.

### 2.2 About Scheme 'Promoting Energy Efficiency Activities in Different Sectors of Indian Economy'

Bureau of Energy Efficiency (BEE) through Ministry of Power (MoP) is implementing various Energy Efficiency initiatives in different sectors of economy. During XI and XII plan period the sector specific program /scheme were undertaken by BEE/ MoP. Subsequent to this, for the period of 2021-2026, all this sector specific schemes were clubbed under the umbrella scheme namely “Promoting Energy Efficiency Activities in Different Sectors of Indian Economy”.

The scheme is a Central Sector scheme, and comprises of following components namely:

1. Strengthening of State Designated Agencies (SDAs) to promote efficient use of energy and its conservation at State level.
2. Demand Side Management (DSM) Initiatives
3. Energy Efficiency & Technology Upgradation in Small & Medium Enterprises (SMEs)
4. Standards & Labelling for Appliances
5. Encouraging design and construction of Energy Efficient Buildings
6. Enforcement of Energy Conservation Act
7. Energy Efficiency in Transport Sector
8. Energy Conservation Awareness, Awards and Painting Competition
9. Promoting Research, Design and Development (RD&D) for Energy Efficient technologies

**The following are the components which are described broadly, for detailed scheme components kindly refer the attached annexure IV**

### **2.2.1 Strengthening of State Designated Agencies (SDAs) to promote efficient use of energy and its conservation at State level.**

The implementation and enforcement of the provisions of the EC Act in the states is to be carried out by SDAs. As on date, the SDAs have been set up in 36 states by designating one of the existing organizations as required under section 15 (d) of the EC Act. These agencies differ from State to State with the Renewable Energy Development Agency (44%), Electrical Inspectorate (19%), Distribution Companies (19%), Power Departments (11%) and others (6%). In order to kick start the energy conservation activities at the state level with an emphasis on building institutional capacities of the SDAs, Ministry of Power had approved the scheme of providing financial assistance to the State Designated Agencies for strengthening their institutional capacities and capabilities with thrust on establishment of the enforcement machinery at the State level.

The initiative includes implementation of demonstration projects across 35 states in areas such as street lighting, household lighting, water pumping, ceiling fans, and retrofitting of residential buildings. It also covers financial support to energy clubs in

schools, training programs for government officials, and dissemination of energy efficiency information through workshops and outreach materials.

### **2.2.2 Demand Side Management (DSM) Initiatives**

Demand Side Management in the Energy Sector is more cost effective and socially beneficial to reduce or manage electricity demand through investment in efficiency and DSM measures than to increase power supply or transmission capacity.

#### **A. AgDSM (Agricultural Demand Side Management)**

This programme promises Energy efficiency through agriculture demand side management by reduction in overall power consumption, improving efficiencies of ground water extraction, reducing subsidy burden on state utilities and also investment in power plants through avoided capacity. AgDSM intervention is expected to reduce the burden of utilities during the peak hours and enable them to contain financial losses from high electricity consumption in the agriculture sector.

The activities include stakeholder consultation meetings and capacity building sessions for DISCOMs, SERCs, SDAs, and manufacturers to mandate the use of energy-efficient (EE) pumps for new connections, along with financial assistance to farmers based on pump capacity. Awareness campaigns are being carried out through print and electronic media, and workshops are organized for farmers via Krishi Vigyan Kendras (KVKs). Training sessions for technicians on best practices in pump overhauling and maintenance are also part of the initiative.

#### **B. MuDSM (Municipal Demand Side Management)**

The basic objective of the project is to improve the overall energy efficiency of the Urban local bodies (ULB), which could lead to substantial saving in the electricity consumption, thereby resulting in cost reduction/savings for the ULB.

The broad objectives are –

- Capacity buildings workshops for ULBs, public water bodies, urban development departments and other implementing agencies in cities under AMRUT project.
- 3 National level workshops on MuDSM.
- Conducting training programs for pump technicians and operators of municipal systems • Engaging technical consultant to develop M&V protocols

#### **C. Capacity Building of DISCOMs**

For DISCOMs (utilities), DSM programs can help reduce their peak power purchases on the wholesale market, thereby lowering their overall cost of operations. In short

term, DSM programs can reduce energy costs for utilities, and in the long term, DSM programs can help limit the need to build new power plants, distribution, and transmission lines. This programme aims to build capacities of the DISCOMs by conducting training programs and workshops in order to promote the uptake and implementation of DSM programs.

Key activities involve establishing DSM cells, providing manpower support to DISCOMs, conducting load research, and training officials and master trainers.

### **2.2.3 Energy Efficiency & Technology Upgradation in Small & Medium Enterprises (SMEs)**

The MSME (micro, small and medium enterprises) sector accounts for about 33% of India's manufacturing output and around 28% contribution in the GDP. The MSMEs in India are around Sixty-Three million – and a majority of them have not been implemented any energy efficiency (or) technology upgradation measures since they commissioned and continue to depend on obsolete, low efficiency technologies that result in wasteful energy consumption, also reducing profitability and competitiveness of MSMEs sector in India.

The sector holds immense potential in fostering energy efficiency and upgradation of the technologies in routine processes. Nevertheless, there is still plenty of room for improvement in terms of concrete measures, most of the SME entrepreneurs claim not to have been able to identify any potential savings in their businesses.

Considering the urgent need to develop, demonstrate and disseminate energy efficient technologies at the cluster level, Bureau of Energy Efficiency (BEE) has evolved a comprehensive programme namely “National Programme on Energy Efficiency and Technology Upgradation in SMEs” to address the various challenges faced by MSMEs in India.

For maximum effectiveness and widespread adoption of the energy efficient technologies in SME sector, BEE has introduced cluster-specific approach for technology deployment as demonstration projects towards creation of an enabling environment at the cluster level to aid in replications.

BEE has implemented various energy efficient technologies in various MSME clusters. Cluster level entities have also been strengthened by the means of empanelment of local service providers, dissemination workshops, capacity building of unit owners etc.

Also, for bringing the behavioural changes towards energy efficiency, documents like Best Operating Practices, Common Monitorable Parameters, Case Studies were developed and circulated in SMEs on entire cluster. BEE has also developed six audio-video tutorials, also covering the techno-economic analysis to showcase the success to other SME entrepreneurs.

Key actions include setting up a Technology Specific Forum, holding national workshops, engaging ESCOs in energy-intensive clusters for technology identification and demonstrations, building capacity for financiers, developing risk assessments, creating a master database, and conducting Pan-India SME energy mapping.

## **2.2.4 Standards, Codes & Labeling for Appliances and Buildings**

### **A) Standards & Labelling for Appliances**

The objective of the S&L program is to provide the consumer an informed choice about various energy consuming equipment/appliances regarding the energy saving it would result based on the energy efficiency performance. This scheme also helps the consumer in determining the cost saving potential of the marketed household and other equipment. Along with the fact that this would impact the energy savings in the medium and long run, it will also position domestic industry to compete in such markets where norms for energy efficiency are mandatory.

The scheme is invoked for 23 equipment/appliances. Out of which the first 10 products have been notified under mandatory Labeling, whereas the other appliances are presently under voluntary labelling phase. The energy efficiency labelling programs under BEE are intended to reduce the energy consumption of appliance without diminishing the services it provides to consumers. Further, the standards and label for appliances and equipment have been periodically made more stringent. As a result, the least-efficient products are eliminated from the market and more efficient products are introduced.

This covers voluntary and mandatory appliance programs, website and mobile app upgrades, studies and surveys, operations manual development, inter-lab comparisons, brand ambassador engagement, awareness campaigns (including documentaries/videos), market research, training programs for retailers and others, lab capacity building, reference lab formulation, and check testing, label, and data verification.

### **B) Building Energy Efficiency**

Building sector is very important for energy conservation in India. Buildings are being constructed in India at rapid pace and still majority of buildings are to be constructed. If buildings are constructed with built-in efficiencies, then these inefficiencies will be locked in for at least next 50 years. Even for existing buildings, potential for energy savings is more than 30-40%. Hence it is very important to frame policies for residential and commercial Buildings.

The components of Building Energy Efficiency:

This covers updating the ECBC Code and Rules, standardizing notification and implementation procedures, ensuring mandatory ECBC adoption by all states, and launching ECBC for the Residential Sector (including EC Act amendments and a Star

Labeling Program). It also includes notifying energy-intensive buildings as designated consumers and making energy audits mandatory for the building sector.

### 2.2.5 Energy Conservation Awareness, Awards and Painting Competition

The National Energy Conservation Awards are presented to industry and other establishments and prizes to the winners of the annual Painting Competition on Energy Conservation for school children every year by the Ministry of Power with the objective of promoting energy conservation among all sectors of economy.

**National Energy Conservation Awards:** The objective of the above scheme is to give recognition to the industrial and other establishments who have made systematic and serious attempts for efficient utilization and conservation of energy. The course of initiatives taken by various industrial sectors under the framework of energy efficiency has a good result with a better learning rate therefore the number of participants has been significantly increased over a period of time.

**School, State and National Level Painting Competition on Energy Conservation:** The objective of the Painting Competition Scheme is to motivate children toward thinking about energy conservation, and offers them a chance to explore their creativity. Primary and secondary school level students are always willing to get involved in challenging activities, and the Painting Competition provides them with a personal and natural challenge. The Painting Competition also stimulates their interest in learning more about energy conservation, and so enhances the children's recognition of the need to adopt it in their own lives, and the lives of all those around them. Also, the rising students' participation level from 3.99 lakhs in 2006 to 113.94 lakhs in 2016, is a testimony to the increasing involvement of children in the national campaign. It is proposed that the scope of the scheme will be enlarged to include children from higher classes as well.

This covers event management, advertising for painting competitions, media campaigns (audio spots, SMS, social media), application processing, prizes and mementos for participants, printing certificates and materials, and organizing the National Energy Conservation Award Function.

**Awareness Campaign:** The objective of this scheme is to make people aware about the need of energy conservation and benefits to the individual, society and nation as a whole. The National Awareness Campaign is intended to focus on the creation of the public awareness and understanding of the significance of energy conservation and on the promotion of energy conservation through voluntary action. The campaign is targeting various sectors viz. domestic, commercial, agricultural, industrial and educational.

This involves producing and telecasting video spots, airing audio spots on FM channels, displaying outdoor advertisements, and releasing advertisements in publications, all primarily through DAVP/NFDC.

## 3. Scope of Work and Deliverables

### 3.1 Scope of Work

The overall objective of this end of scheme review is to provide BEE/MoP and other stakeholders with sufficient and accurate information to make an informed judgement about the past performance of the scheme – its efficiency, effectiveness, lessons learnt and overall impact. The major four attributes to be included in scope of work are as below:

1. Establish the extent to which the scheme has achieved its stated objectives (i.e. the level of achievement of activities, outputs, outcomes and the overall objectives as stated in the SFC memorandum), taking into account its target stakeholder needs and how these activities are fulfilling the energy efficiency needs of the respective sector, national priorities and policies.
2. Evaluate the scheme implementation strategies and processes/structures, including assessment of the institutional and operational set-up with the view to make recommendations on whether they were the best to achieve the Scheme objectives;
3. Assessment of the impact of this study with respect to parallel going on schemes in the similar field running by other concerned ministries, departments/agencies.
4. Identify key lessons, barriers and propose practical recommendations with preparation of framework document for next course of action.
5. Analyse the scope for scheme's periodic monitoring and evaluation to assess the challenges, bottlenecks and new initiatives required, whenever necessary.
6. Identification and documentation of best practices and externalities of scheme implementation along with mapping environmental and social safeguards in scheme design.
7. Documentation of output outcome monitoring framework for this scheme, pre-defined templates for the same are provided at **Annexure 1 - A and TOR is attached at Annexure 1 B.**

The impact assessment study should clearly bring out the impact of the activities carried out under the scheme during 2021-26 and the activities which are needed to be continued during the next plan along with the rationale for continuing the activities. The study should highlight achievement of the scheme and barriers experienced in 2021-26 and accordingly propose measures to be considered for development of effective implementation mechanism.

A comprehensive impact assessment should be undertaken to evaluate impacts/achievements of all the activities and deliverables. Component wise broad but not limited scope of work is as follows.

## **1. Strengthening of State Designated Agencies (SDAs) to Promote Efficient Use of Energy and Its Conservation at State Level**

- A)** The impact assessment study should clearly bring out the impact of each of the activities carried out by the SDAs for which financial support was provided during the period 2021-26. The study should highlight various initiatives which were successfully implemented by the SDAs during 2021-26 and new areas which are needed to be captured during the period 2026-31.
- B)** The study should contain details including location, area, description, etc. of the project, number/ type of beneficiaries, financial expenditure incurred, period required for commissioning of the project etc. of all the endeavours carried out by the SDAs.
- C)** The study should include the outreach measures undertaken by States to showcase savings incurred through demonstration projects.
- D)** The study should include market transformation in favour of energy efficient devices / technologies.
- E)** The study should include the strategies adopted by the States for carrying out all the endeavours.
- F)** The study should also highlight the impact to be assessed based on various initiatives undertaken by the SDAs during 2021-26 and the measurable outcomes (in terms of number of projects replicated by State/UT Government / other departments/agencies, total energy savings, monetary savings, avoided capacity addition, CO2 emission reduction, creation of energy management cadre, establishment of energy clubs, etc.) as well as the qualitative outcomes (in terms of inculcation of habit of use of energy efficient devices / technologies, creation of awareness on EC amongst individuals, skill development, employment generation, increase in pool of energy professionals, societal impact, enhancement in quality of life, etc.) vis-a-vis the financial expenditure incurred to achieve the impact.
- G)** The firm undertaking the work needs to visit all the SDA offices across the country to collect information pertaining to activities undertaken by SDAs under the SDA Strengthening Scheme.
- H)** It should be included in the study report whether these Dept. / Agencies have any plans to replicate the energy efficiency measures in a larger scale from their own resources or through the ESCO route and if not, the barriers hindering large scale replication should be brought out.
- I)** The study report should highlight major strengths, barriers/challenges faced during implementation and recommendations/changes required in strategy/methodology of implementation.

## **2. Demand Side Management (DSM) Initiatives**

- a) The impact assessment study should clearly bring out the impact of each of the activities carried out by the SDAs/ Executing Agency/DISCOMs for which financial support was provided during the period 2021-26. The study should highlight various initiatives which were successfully implemented by the Executing agency during 2021-26 and new areas which are needed to be captured during the period 2026-2031.
- b) The study should contain details including location, area, description, etc. of the project, number/ type of beneficiaries, financial expenditure incurred, period required for commissioning of the project etc. of all the endeavours carried out by the Executing agency/DISCOMs.
- c) The study report should highlight major strengths, barriers/challenges faced during implementation and recommendations/changes required in strategy/methodology of implementation.

## **3. Energy Efficiency in Small and Medium Enterprises (SMEs)**

A comprehensive study should be undertaken to evaluate the achievements of each activities, and deliverables in the context of financial allocations and physical progress. The study should include, but not limited to the following:

- Estimates of Energy Savings and Emission reductions
- Uptake of Constitution of technology specific forums
- Impact of technology demonstration projects at each focused cluster
- Outcome of involvement of financial Institutions from project genesis
- Market transformation in SMEs, future opportunities and potentials
- Impact and usefulness of workshops and outreach activities
- Effectiveness of master database and usefulness of SME cluster maps
- Societal impact and quality of life
- Energy savings achieved and reduction in CO2 emissions.

The study should clearly highlight impact of each activity under this component. Justify the merit with strong rationale. Further, Highlight the major strengths, barriers, challenges during the implementation phase. Role of BEE, in terms of implementation activities.

## **4. Standards, Codes & Labeling for Appliances and Buildings**

### **A) Standards & Labeling (S&L)**

- Recommendation on the actions and measures necessary to be taken under S&L programme to increase impact of the program by capturing new

categories of appliances/equipment, creating awareness and check-testing of appliances.

- The Effectiveness, Utility and Nature of association of BEE with Private Agencies in implementing Standards & labeling programme. A study on the same and recommendations on Capacity building of S&L.
- Methodology for estimation of energy savings is to be evaluated for all the appliances in the scheme.
- Verification of Production Data of the Manufacturers for the financial year submitted to the Bureau of Energy Efficiency and consolidation of labeling fee with annual production data submitted by manufacturers.
- Recommendation on the process of collection of energy savings data and if any alternative approach may be adopted for the same so that a better picture on the energy savings could be drawn.
- Evaluation of Check Testing procedure, frequency and sampling plan generation methodology. Recommendations on improvisation of standard operating procedure is to be submitted.
- Study of Reconciliation methods used for revenue collection of the S&L program. Recommendations and road-maps on better management and logging of the financial transactions.

## **B) Building Energy Efficiency**

A comprehensive study should be undertaken to evaluate the achievements of each activities, and deliverables in the context of financial allocations and physical progress. The activities under this programme are broadly classified into three sectors –

### **New Commercial Buildings:**

- a) Review the initiatives taken by BEE to bring the Energy Conservation Building Codes into mandatory phase of implementation through policy interventions by Central Govt. which would direct Urban Development Authorities of State Govt. / ULBs to bring in necessary changes in the existing building bye-laws.
- b) Review the BEE's initiatives to facilitate the integration of Energy Conservation Building Codes provisions into the existing building bye-laws of the states/ULBs.
- c) Review the initiatives taken by BEE to update ECBC Rules to include building-integrated renewable and incorporate technological advancements to achieve Nearly Zero Energy Buildings.
- d) Review the initiative taken by BEE to standardize the procedures for notification of ECBC in states and also implementation procedures and status of Constitution of High-Powered Committee under the

Chairmanship of Principle Secretary (Energy) of the State to provide oversight to implementation mechanism.

- e) Review the initiatives taken by the States to mandate ECBC with the objective that 75% of all newly started commercial buildings are ECBC compliant.
- f) Review the initiatives taken by the BEE to mandate States to adopt ECBC in their building bye-laws to avail benefits under Government National Missions such as Atal Mission for Rejuvenation and Urban Transformation (AMRUT), Smart Cities Mission, etc.
- g) Review the steps taken by BEE to provide support to States for training and capacity building of State Departments for adoption, enforcement of the code and development of the website by BEE for compliance of ECBC by states on both modes i.e. Prescriptive method and whole building simulation.
- h) Review the status of Establishment of ECBC Cells in State Urban Development Departments / PWDs to support and monitor progress.

### **New Residential Buildings**

- a) Review the steps taken by BEE to extend the coverage of Eco-Niwas Samhita (ENS) to the multi-storey residential sector as well, with amendments to the EC Act.
- b) Review the status of Constitution High Powered Committee under the Chairmanship of Chief Secretary of the State to provide oversight to implementation mechanism.
- c) Review the status of Identification and Implementation methodology for Eco-Niwas Samhita

### **Existing Residential and Commercial Buildings**

- a) Review the status of Notification of energy intensive buildings under various categories (Hotels, Hospitals etc.) as Designated Consumers.
- b) Review the status of Notification by the State authorities for mandatory energy audits and implementation of energy efficiency upgrades in existing buildings.
- c) Review the steps taken by BEE to widen the scope of Star Labeling program for commercial buildings to cover multi-storey residential buildings as well.
- d) Review the status for Preparation of guidelines for PWD and other owners of public buildings to implement energy- efficiency upgrades.
- e) Review the status for Preparation of guidelines for design of low-income housing so as to optimize thermal comfort.

- f) Review the steps taken by BEE for Outreach programme for building owners and tenants about energy-saving opportunities.

## **5. Energy Conservation Awareness, Awards and Painting Competition**

A comprehensive study should be undertaken to evaluate the achievements of each activities, and deliverables in the context of financial allocations and physical progress. The activities under this programme are broadly classified into two parts –

### **National Energy Conservation Awards & Painting Competition**

- a) National Energy Conservation Awards
- b) School, State and National Level Painting Competition on Energy Conservation

### **Awareness on Energy Efficiency**

- a) Production of Video spots and Telecast on channels and cinema through DAVP/NFDC
- b) Airing of audio spots on FM channels through DAVP
- c) Display of BEE advertisement on outdoor sites through DAVP/NFDC
- d) Release of advertisement in publications through DAVP
- e) Media campaigns through electronic, outdoor and print media
- f) Inclusion of chapter on Energy efficiency in school curriculum of state education boards and NCERT books of 6th to 10th standards
- g) Training and Skill upgradation of teaching and technical staff.

## **3.2. Deliverables**

- Detailed Action Plan & Methodology for conducting the assessment, including questionnaire (if proposed) (Hard +Soft)
  - Detailed Template/Structure of the report (defined by the agency) (Hard +Soft).
  - Fortnightly Presentations on the progress of work.
  - Draft Reports in the approved template (5 Copies, Spiral Bound) (Hard +Soft).
  - Final Reports in the approved template (10 Copies, Coloured Hard Bound) (Hard +Soft)
8. Documentation of output outcome monitoring framework for this scheme, pre-defined templates for the same are provided at **Annexure 1-A and TOR is attached at Annexure 1-B.**

## 4. Timeline

The time period for delivery of final version of impact assessment report is 75 days from the date of award of work. However, the timelines may be extended depending on the requirement of BEE. The tentative time-line vis-a-vis the activities to be carried out is provided below.

<b>Sr. No</b>	<b>Deliverables</b>	<b>Timelines (from date of award on contract)</b>
1.	<ul style="list-style-type: none"><li>• Submission of Action plan/methodology for study including questionnaires if proposed.</li><li>• Submission of proposed structure of report</li></ul>	15 days
2.	Submission of Draft Report	45 days
3.	Submission of Final Report for comments of BEE	60 days
4.	Submission of final report after incorporating all suggestions from BEE	75 days

## 5. Selection Process

### 5.1 Pre-Qualification Criteria

The Firm/Agency interested is being considered for this task preferably shall fulfil the following criteria:

- Should be a firm/company registered/incorporated in India. The organization registered under Companies Act or Societies Registration Act shall be eligible to apply. Subcontracting after award of RFP is not allowed.
- Consortium is permitted. The consultancy firm / agency may involve one more agency only as partner for meeting work, experience and MoU for such must be submitted. The consortium partner should not have been black-listed by any Central / State Government or Public-Sector Undertakings.
- The organisation (in case of consortium, the lead-member of the consortium) must be registered/incorporated in India, with at least 10 years of experience in the field of consultancy services/research area.
- Experience of providing consultancy/ transaction advisory in field of energy efficiency/ energy/ power sector in the last five years on at least 5 projects, preferably with Central/State government or Multilateral agency which involved technical analysis of projects.
- Annual turnover of minimum Rs. 1 crores in each of the last three years. i.e. FY 2022-23, 2023-24 and 2024-25.
- The Consultant shall have following as minimum team strength of 5 personnel:

<b>S. No.</b>	<b>Work Profile</b>	<b>Area of expertise</b>	<b>No.</b>	<b>Minimum years of experience</b>
---------------	---------------------	--------------------------	------------	------------------------------------

1	Team Leader	Energy Sector	1	15
2	Team Member	Energy Sector	1	10
3	Team Member	Energy Manager/Auditor	1	10
4	Team Member	Statistical Analyst	1	5
5	Team Member	Economists (M.A./M.Sc. in Economics, Master in Business Economics) (Experience in taxation related projects)	1	5

- The team should be led by a member with over 15 years of extensive experience techno-economic analysis in energy sector.
- Team Leader/authorised member should be reporting to BEE as per requirement as communicated by BEE.
- Should not be involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this contract.
- Should not be black-listed by any Central / State Government / Public Sector Undertaking in India.

**Note:**

- If consultancy firm /agencies do not meet any of the above listed criteria, their proposals will not be considered for further evaluation.
- Consultancy firm /Agencies meeting above listed criteria are required to submit evidences (i.e. details / documents of audited financial statements of last 3 years) in support – otherwise proposal may be disqualified.

**5.2 Preliminary Scrutiny**

Preliminary scrutiny of the proposal will be made to determine whether they are complete, whether required process fee has been furnished, whether the documents have been properly signed, and whether the bids are in order, and whether the bidder meets all the pre-qualification criteria. Proposals not conforming to these requirements will be rejected.

**5.3 Evaluation of Proposals**

The number of points to be given under each of the evaluation criteria is:

- The Bidder should take enough care to submit all the information sought by the Authority in the desired formats. The Proposals are liable to be rejected if

information is not provided in the desired formats. The Technical Proposals will be evaluated out of 100 marks.

- The Technical Proposals, which are found acceptable in accordance with point (i) above, shall be deemed as responsive proposals. The Bidders with such responsive proposals and securing score of minimum 70 marks would be considered as Technically Qualified Bidders and would be eligible for next stage of the Bidding Process i.e. Financial Evaluation.
- In the case of key personnel their CVs should be submitted duly signed by the respective personnel and countersigned by the Authorized Signatory of the firm. Their experience need not necessarily be with the firm where they are currently employed.
- In the case of firms, their past experience will be considered only in those cases where they have been awarded contracts, either on individual basis or as a JV. The experience of firms where they have only been associated as Sub-Firm/agencies for any assignment will not be considered for evaluation.
- The firms should substantiate their claims of experience by providing copies of the relevant contracts along with the names, designations, email addresses and contact numbers of their Clients.

BEE will evaluate proposals and will give marks to all the successful bidders from preliminary scrutiny on the following basis:

<b>S. No</b>	<b>Qualification Criteria</b>	<b>Marks Allotted</b>
<b>A</b>	<b>Experience in similar work</b>	<b>Max 70</b>
	Experience of	
A1	5-8 similar assignment	40
A2	9-12 similar assignments	55
A3	More than 12 similar assignments	70
<b>B</b>	<b>Methodology/plan of action</b>	<b>Max 30</b>
B1	Understanding of the assignment	15
B2	Action plan	15
	<b>Total Marks</b>	<b>100</b>

## 5.4 Mode of Selection

LCS method will be followed for this tender. If any selected agency refuses to take the assignment. The next agency will be requested to match the L1 cost.

## **6. Instructions to Bidders**

### **6.1 Procedure for Submission of Proposal**

The Bidder must comply with the following instructions during preparation of Proposals:

1. The Bidder is expected to carefully examine all the instructions, guidelines, terms and condition and formats of the Request for Proposal. Failure to furnish all the necessary information as required by the Request for Proposal or submission of a proposal not substantially responsive to all the requirements of the Request for Proposal shall be at Bidder's own risk and will be liable for rejection.
2. The proposal shall be in indelible ink and shall be signed by the Bidder or duly authorized person(s). The letter of authorization shall be indicated by written power of attorney and shall accompany the proposal.
3. Only detailed proposals complete in all respect and in the forms indicated shall be treated as valid.
4. No Bidder is allowed to modify, substitute, or withdraw the Proposal after its submission.

### **6.2 Cost of RfP**

The Firm/Agency shall bear all costs associated with the preparation and submission of its RfP, including cost of presentation for the purposes of clarification of the bid, if so desired by the purchaser. BEE will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

### **6.3 Validity of Bids**

The Bids submitted shall remain valid for a period of 90 days from the date of bid submission. If the bid validity given in the received bid is lesser than the period specified, the Bid will be rejected as non-responsive. The Successful Bidders should extend the price validity till the completion of the order or as requested by BEE.

### **6.4 Modification and Withdrawal of Bids**

The Bids once submitted may not be allowed to be modified or amended or withdrawn at any cost.

### **6.5 Acceptance and Withdrawal of Bids**

The right of final acceptance of the bids is entirely vested with the BEE who reserves the right to accept or reject, any or all of the tenders in full or in parts without assigning any reason whatsoever. There is no obligation on the part of Tender Inviting Authority to communicate with rejected Bidders. After acceptance of the Bid by BEE, the bidder should have no right to withdraw his tender or claim higher price. BEE may also reject any bid for reasons such as change in scope of work, new technologies, and lack of

anticipated financial resources, court orders, accidents or calamities and other unforeseen circumstances.

## **6.6 Earnest Money Deposit**

An Earnest Money Deposit (EMD) of Rs.2,00,000 (Rupees two lakhs only) is to be deposited by the bidders by way of Bank Guarantee/ Banker's Cheque/ Demand Draft drawn in favour of "Bureau of Energy Efficiency" payable at New Delhi (Payment details attached at **Annexure III**). The EMD shall normally remain valid for a period of forty-five days beyond the final bid validity period. Bids received without EMD will be rejected.

EMD will not carry any interest and EMD will be forfeited if:

1. A bidder withdraws from the tender, or amends its tender, or impairs, or derogates from the tender in any respect within the validity period of his tender.
2. If a bidder having been notified of the acceptance of his tender by BEE during the period of its validity.
3. Fails to furnish the performance security within the specified period for the due performance of the contract, or
4. Fails or refuses to accept/execute the contract.

EMD furnished by the unsuccessful bidders would be returned without any interest on completion of the tender process, i.e., after award of the contract. EMD of the successful bidder would be returned without any interest after receipt of the Performance Security as per the terms of the contract.

Micro, Small and Medium Enterprises may avail the exemption from EMD as per GFR 2017. In such cases, the agencies should submit all the relevant documents otherwise the bid will be rejected.

## **6.7 Bid Processing Fee**

All bids must be accompanied by a bid processing fee of INR 5,000 (INR Five Thousand only) in the form of a crossed demand draft drawn on any nationalized/scheduled bank payable at par in New Delhi, in favour of "Bureau of Energy Efficiency, New Delhi".

## **6.8 Contents of the RfP**

The Firm/Agency is expected to examine all instructions, forms, terms & conditions and Statement of Work in the RfP documents. Failure to furnish all information required or submission of an RfP Document not substantially responsive to the RfP in every respect will be at the Firm/Agency's risk and may result in the rejection of the RfP.

The proposals would be scrutinized on the basis of the criterion set in para 5.1 above.

The specific experience of the Agency/Firm would be checked on the basis of the following information provided along with the prescribed documents:

1. Evidence of satisfying all the minimum eligibility criterion listed out in Para 5.2
2. Evidence of having successfully carried out similar assignments.

3. Evidence of having successfully carried out assignments with Government.
4. Sufficient size, organization, and management to carry out the entire project.
5. Specialized skills and creativity related to the assignment.

However, BEE in its sole/absolute discretion can apply whatever criteria deemed appropriate in determining the responsiveness of the Proposal submitted by the respondents.

### **6.9 Language of Bids**

The Bids prepared by the Firm/Agency and all correspondence and documents relating to the bids exchanged by the Firm/Agency and BEE, shall be written in the English language, provided that any printed literature furnished by the Firm/Agency may be written in another language so long the same is accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

### **6.10 Pre-Bid Meeting**

1. Pre-Bid Meeting will be convened at the designated date as mentioned specified by the BEE.
2. During the course of Pre-Bid Conference(s), the Bidders may seek clarifications and make suggestions for consideration of the BEE.
3. The BEE shall endeavour to provide clarifications and such further information as it may, in its sole discretion, consider appropriate for facilitating a fair, transparent and competitive Bidding Process.
4. All enquiries from the Bidders relating to this RFP notice document must be submitted to BEE before the deadline mentioned in this document
5. These queries should also be emailed at [bee-secretary@beeindia.gov.in](mailto:bee-secretary@beeindia.gov.in)

### **6.11 Opening of Bid**

The Bidder or his authorized representative may be present at the time of opening of bid on the specified date. In case of unscheduled holiday on the closing/opening day of bid, the next working day will be treated as scheduled prescribed day of closing/opening of bid; the time notified remaining the same.

### **6.12 Performance Security**

The successful bidder would be required to deposit an amount equivalent to 3% of the value of the contract. This should be furnished through the Bank Guarantee/ Demand Draft in favour of "Bureau of Energy Efficiency", payable at Delhi (Details attached at **Annexure III**). The Performance Security amount furnished by Demand Draft/Bank Guarantee will be returned without interest within 60 days of completion of all obligations under the contract. The Performance Security will be returned after adjusting for penalties on account of deficiencies, if any, in the performance of the contract. The Performance Security in the form of Bank Guarantee/ Demand Draft for the period of 8 months plus 60 days claim period, which can be further extended for another 6 months on mutual consent. The bid shall remain valid for a period of 90 days from the date of bid submission.

### **6.13 Liquidated Damage**

If delay in completing any of the above written deliverable/Submissions (in section 3), a showcause notice may be served to the Agency/Consultant and liquidated damages (LD) would be imposed @0.5% per week or part of a week for which delay has occurred subject to a maximum of 10% of the contract value. LD may be attributed to the successful bidder for each payment milestone as defined in the contract. Recoveries through such Liquidated Damages are to be without any prejudice to the other remedies as available to BEE under the terms of the contract.

### **6.14 Conflict of Interest**

The Firm/Agency who is selected for the work will have to maintain the confidentiality of the information compiled. In no case the Firm/Agency would be allowed to use the data or share the information with anyone else, except for the BEE. BEE shall hold the copyrights over any of the data collected or compiled during the course of the awards.

### **6.15 Confidentiality**

BEE require that recipients of this document to maintain its contents in the same confidence as their own confidential information.

### **6.16 Authorized Signatory (Consultant)**

The "Consultant" as used in the RfP shall mean the one who has signed the RfP document forms. The Consultant should be the duly Authorized Representative of the Firm/Agency, for which a certificate of authority will be submitted. All certificates and documents (including any clarifications sought and any subsequent correspondences) received hereby, shall, as far as possible, be furnished and signed by the Authorized Representative.

In case of consortium, letter of association signed by the authorized signatory of the member firms authorizing the lead firm should be attached in original. The power or authorization, or any other document consisting of adequate proof of the ability of the signatory to bind the consultant shall be annexed to the bid. BEE may reject outright any proposal not supported by adequate proof of the signatory's authority.

### **6.17 Integrity Pact**

All the participating bidders are compulsorily required to enter into Pre-bid/ Pre contract Integrity Pact in the prescribed format failing which the tender will be summarily rejected (Copy of the Integrity Pact is enclosed as per **Annexure II**). The validity of this Integrity Pact shall be from the date of its signing and extend up to the complete execution of the contract to the satisfaction of both the parties. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of signing of the contract.

### **6.18 Queries on RfP**

Agency requiring any clarification on this document may send a query received not later than the dates prescribed by the BEE in Para 1 of this document.

### **6.19 Non-disclosure of Contract Document**

Except with the written consent of the BEE, the firm/agency shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.

### **6.20 Amendment of RfP**

At any time prior to the last date for receipt of bids, BEE, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Firm/Agency, modify the RfP Document by an amendment. In order to provide prospective Firm/Agency reasonable time in which to take the amendment into account in preparing their bids, BEE may, in its sole discretion, extend the last date for the receipt of Bids and/or make other changes in the requirements set out in the Invitation for RfP. Any amendment/clarification issued on RfP will be in writing and will be published on the BEE's website to make it accessible to all Bidders and shall be deemed to be a part of this document.

### **6.21 Power of Attorney**

Registered Power of Attorney executed by the Firm/Agency in favour of the Principal Officer or the duly Authorized Representative, certifying him/her as an authorized signatory for the purpose of this RfP.

### **6.22 Letter of Intent and Issuance of Work Order**

The Letter of Intent (LoI) of RFP will be issued to the Successful Bidder by BEE. This would be treated as commencement of the work for the successful bidder.

### **6.23 Conditions for consortium/Outsourcing**

1. The Firm/Agency may involve one more agency only as partner for meeting work experience and MoU for such must be submitted.  
The bidder can't change the consortium partner during the course of the project.
2. In case of consortium, the lead partner must submit the letter of association (agreement). Non-submission of agreement documents of the consortium partners will lead to disqualification.
3. In case of any such discrepancy found, bid for the both consortium and firm will be rejected. The consortium partner should not be involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this contract. If at any stage of qualifying process or during the course of the contract, any suppression / falsification of such information is brought to the knowledge, BEE shall have the right to reject the proposal or terminate the contract, as the case may be, without any compensation to the consortium of agency/firm/institution. BEE shall only deal with the lead member for all the purposes.

### **6.24 Document Comprising the RfP**

The proposal prepared by the Firm/Agency shall comprise the following components:

1. Form 1: Letter Pro-forma
2. Form 2: Minimum Eligibility

3. Form 3: Team Composition
4. Form 4: CV of team members
5. Form 5: List of Projects implemented by the bidder organization
6. Form 6: Prior Experience
7. Form 7: Comments and Suggestions
8. Form 8: Approach and Methodology
9. Form 9: Declaration Letter
10. Bid processing fee of INR 5,000 (INR Five Thousand only)
11. Earnest Money Deposit of INR 200,000 (INR Two Lakh Only)
12. Financial Proposal

### 6.25 Terms of Payment

- Payment authority will be Bureau of Energy Efficiency.
- The successful bidder shall raise the invoice in favour of “The Secretary, Bureau of Energy Efficiency, 4th Floor, Sewa Bhawan, Sector– 1, R.K. Puram, New Delhi” (**Annexure III**).
- Payment will be made after the end of timeline mentioned below. The payment breakdown will be as follows:

Sr. No.	Payment Terms upon submission and acceptance of	Payment Percentage
1	Performance Security	5%
2	Detailed Methodology and Proposed Structure of the report	10%
3	Draft Report	25%
4	Final Report for obtaining comments of BEE	30%
5	Final Report with incorporation of all comments (10 copies hard bound)	30%

\*Note: BEE shall process the payment after the receipt of the invoice at the end of each phase. However, the work schedule shall be adhered and shall not be affected due to payment related process.

- GST will be paid extra as per the rules of Government of India and should be cleanly spelt in the financial bid.
- No extra amount shall be paid on any ground whatsoever.

### 6.26 DISCLAIMER

BEE and/or its officers, employees disclaim all liability from any loss or damage, whether foreseeable or not, suffered by any person acting on or refraining from acting

because of any information including statements, information, forecasts, estimates or projections contained in this document or conduct ancillary to it whether or not the loss or damage arises in connection with any omission, negligence, default, lack of care or misrepresentation on the part of BEE and/or any of its officers, employees.

## **7. Forms for the Technical Proposal**

Proposal is to be submitted in the following format along with the necessary documents as listed. The Proposal shall be liable for rejection in the absence of requisite supporting documents. Proposal should provide information against each of the applicable requirements. In absence of the same, the Proposal shall be liable for rejection.

## 7.1 Form 1: Letter Pro-forma

To,

Secretary,  
Bureau of Energy Efficiency  
4th Floor, Sewa Bhavan,  
R.K. Puram Sector-I, New Delhi -110066

**Sub: Hiring of Agency for undertaking study for Impact Assessment of Bureau's Scheme Promoting Energy Efficiency Activities in Different Sectors of Indian Economy for the period of FY 2021-22 to FY 2025-26**

Sir,

The undersigned Agency, having read and examined in detail all the RfP documents in respect of appointment of an Agency for BEE for the said assignment, do hereby express their interest to provide their Services as specified in the scope of work

### 2. Correspondence Details

1	Name of the Agency	
2	Address of the Agency	
3	Name of the contact person to whom all references shall be made regarding this tender	
4	Designation of the person to whom all references shall be made regarding this tender	
5	Address of the person to whom all references shall be made regarding this tender	
6	Telephone (with STD code)	
7	E-Mail of the contact person	
8	Fax No. (with STD code)	

### 3. Document forming part of Proposal

We have enclosed the following:

- Form 1: Letter Pro-forma
- Form 2: Minimum Eligibility
- Form 3: Team Composition
- Form 4: CV of team members

- Form 5: List of Projects implemented by the bidder organization
- Form 6: Prior Experience
- Form 7: Comments and Suggestions
- Form 8: Approach and Methodology
- Form 9: Declaration Letter
- Bid processing fee of INR 5,000 (INR Five Thousand only)
- Earnest Money Deposit of INR 200,000 (INR Two Lakh Only)
- Registered Power of Attorney executed by the Agency in favour of the Principal Officer or the duly Authorized Representative, certifying him/her as an authorized signatory for the purpose of this RFP.

4. We hereby declare that our Proposal is made in good faith and the information contained is true and correct to the best of our knowledge and belief.

Thanking you,

**Yours faithfully,**

**(Signature of the Officer)**

Name :  
 Designation :  
 Seal :  
 Date :  
 Place :  
 Business Address :

Witness:

Signature

Name

Address

Date

Agency:

Signature

Name

Designation

Company

Date

## 7.2 Form 2: Minimum Eligibility

[Agency should not include the figures of the subcontractors for Form-2]

		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1.1	Name of Agency				
1.2	Year of Registration/Incorporation				
1.3	Year of Registration/Incorporation in India*				
1.4	Number of Employees in India as on March 31, 2019				
		FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1.5	Net Worth (INR Crore) **				
1.6	Annual Turnover (INR Crore) **				
1.7	Annual Profits (INR Crore) **				
1.8	Name of Consortium Partner, if any				
1.9	Lead Member of Consortium, if any				
1.10	Organisation' experience in the field of consultancy services/research (in case of consortium, the lead-member of the consortium)	XX Years			
1.11	Agency's experience in in field of energy efficiency/ energy/ power sector (Last five years)	XX projects with Central/State Governments and Multilateral Agencies			
1.12	Availability/Expertise of team as per in para 5.1	Yes/No			
1.13	Blacklisting by Central/State Government/PSUs	Yes/No			
1.14	Litigation that may impact on deliverables	Yes/No (If yes, please provide detail thereof)			

\* Enclose a copy of Registration document (including registration certificate)

\*\*Enclose a copy of Audited Financial Statement as annexures to form 2 with respect to information furnished in 1.5 to 1.7

\*\*\*Enclose copy of the self-attested supporting documents as annexures to form 2 with respect to information to information furnished in 1.10 to 1.11.

Witness:

Signature

Name

Address

Date

Employee:

Signature

Name

Designation

Organization

Date

### 7.3 Form 3: Team Composition

S. No	Name of Person	Role (Team Leader/ Team Member/ Other) <sup>1</sup>	Year of relevant experience <sup>2</sup>	List of projects (Consultancy/ Energy Efficiency/Research) <sup>3</sup>	List of other relevant projects <sup>4</sup>	Signature <sup>5</sup>
				1. 2. 3.	1. 2. 3.	
				1. 2. 3.	1. 2. 3.	

<sup>1</sup>Role of the person in this project, please define only separate roles to individuals, as mentioned in this document.

<sup>2</sup> Year of relevant experience and same should also be depicted in the attached resume of the person.

<sup>3</sup> List of projects related to energy efficiency and same should be depicted in the attached CV of the person

<sup>4</sup> Signature should be original and signed in ink by all team members and also attach self-attested copy of PAN card/Passport etc. for verification of signature.

Bid will be rejected, if signatures are not valid/not signed in original.

## 7.4 Form 4: CVs of Proposed Team

[Provide CVs of the proposed team for undertaking the current assignment, especially of the Proposed Head of the Agency. The CVs to be included in the following format:]

NAME:

1. Proposed Position:
2. Name of Firm:
3. Name of Staff:
4. Date of Birth:
5. Nationality:
6. Education:

Name of Degree	Year	Name of Institution

7. Membership of Professional Associations:
8. Other Training:
9. Countries of Work Experience:
10. Languages:

Language	Speak	Read	Write

13. Employment Record:

Firm	From – To Date	Designation / Role

14. Projects undertaken

Name	Role & Description	Duration (From-To)	Organization Name	Nature of the project (Energy Audit/Impact Assessment/Consultancy /Research)

15. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Signature

Date

[Signature of staff member or authorized representative of the staff]  
Day/Month/Year Full name, Signature and designation of authorized representative.

## 7.5 Form 5: List of Projects implemented by the bidder Organization

Type of Project	List of Project
<b>Consultancy Projects/Assessments of Government's schemes/Research Experience</b>	1 -
	2 -
	3 -
<b>International Relevant Experience</b>	1 -
	2 -
	3 -
<b>Energy Efficiency Projects</b>	1 -
	2 -
	3 -
<b>Data Analytics, Any Other relevant Project</b>	1 -
	2 -
	3 -

## 7.6 Form 6: Prior Experience

[Using the format below, provide information on each assignment for which your Organization, and each associate for this assignment, was legally contracted either individually as a corporate entity or as one of the major companies within an association, for carrying out services similar to the ones requested under this assignment. Agency should give information on the similar areas of design as indicated.

### A. Prior Experience in projects (preferably similar experience)

Name of project:	
Objectives of the Project:	
Nature of project:	
Description of project:	
Financial Component	
Technical Component	
Country:	
Location within country:	
Duration of the project:	
Name of Employer along with contact details	
Start date (month/year):	
Completion date (month/year):	
Name of associated Consultants, if any:	
No of professional staff-months provided by associated Consultants:	
Name of senior professional staff of your firm involved and functions performed.	
Approx. value of the Assignment/job provided by your firm under the contract (in Rupees):	
Description of actual Assignment/job provided by your staff within the Assignment/job:	

#### Note:

Enclose copy of the self-attested supporting documents as annexures to form 3 with respect to information furnished above.

Use separate tables for separate experience.

Witness:  
Signature  
Name  
Address

Date

Employee:  
Signature  
Name  
Designation  
Organization  
Date

### **7.7 Form 7: Comments and Suggestions**

[Suggest and justify here any modifications or improvement to the scope of work, tasks to be performed, timeline, deliverables, payment terms etc. to improve performance in carrying out the Assignment. Agency can suggest deleting some activity or adding another, or proposing a different phasing of the activities. Such suggestions should be concise and to the point.]

(Maximum two pages)

### **7.8 Form 8: Approach and Methodology (Work Plan with Timelines)**

[Explain your understanding of the objectives of the assignment/job, approach to the assignment/job, detailed execution plan for the assignment, methodology for carrying out the activities and obtaining the expected output, and the degree of detail of such output.]

### **7.9 Form 9: Declaration Letter**

Declaration Letter on official letter head stating the following:

We are not involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this contract.

We are not black-listed by any Central / State Government / Public Sector Undertaking in India.

Witness:  
Signature  
Name  
Address

Date

Agency:  
Signature  
Name  
Designation  
Organization  
Date

## 8. Forms for the Financial Proposal

### 8.1 Form 1: Financial Bid Pro-Forma

Date \_\_\_\_\_

Secretary,  
Bureau of Energy Efficiency  
4th Floor, Sewa Bhawan,  
R.K. Puram Sector-I, New Delhi -110066

**Sub: Hiring of Agency for undertaking study for Impact Assessment of Bureau's Scheme Promoting Energy Efficiency Activities in Different Sectors of Indian Economy for the period of FY 2021-22 to FY 2025-26**

Sir,

I/We, the undersigned, offer to provide our services for undertaking study for Impact Assessment of Bureau's Scheme Promoting Energy Efficiency Activities in Different Sectors of Indian Economy for the period of FY 2021-22 to FY 2025-26 in accordance with your Request for Proposal dated \_\_\_\_\_. Our Financial Proposal is for the sum of <<Amount in words and figures>>. This amount is inclusive of the cost of all parameters linked with the project and all the taxes are cleanly spelt.

Further, I/We understand that the payment would be made on the basis of actual invoice and GST rates prevalent during the time of payment.

Our Financial Proposal shall be binding upon us i.e. shall be valid up to expiration of the validity period of the Proposal i.e., <<date of 90 days after from the date of bid submission>> Also, we understand you are not bound to accept any Proposal you receive.

Thanking you,

**Yours faithfully**

**(Signature of the Officer)**

Name :  
Designation :  
Seal :  
Date :  
Place :  
Business Address:

## 8.2 Form 2: Financial Bid Template

Date XX/XX/2019

Financial Bid No. <<*if any*>>

Client: Bureau of Energy Efficiency, New Delhi – 110066

Validity of the proposal – <<*date of 90 days after from the date of bid submission*>>

### Summary of Costs

S. No.	Costs	Currency (INR)
1	Total Amount of Financial Proposal	
2	GST @ << <i>Rate of GST</i> >>	
	<b>Total</b>	

\*There is no other additional cost thereon.

Yours sincerely,

(Authorized Signatory)

Name of Firm

## 9. Bank Guarantee Format (Earnest Money)

(To be stamped in accordance with Stamp act)

This deed of Guarantee made this \_\_\_\_\_ day of \_\_\_\_\_ 2018  
by \_\_\_\_\_

(Name of the Bank)

having one its branch at \_\_\_\_\_  
acting through its Manager (hereinafter called the "Bank") which expression shall wherever  
the context so requires includes its successors and permitted assigns in favour of  
Bureau of Energy Efficiency, having its office at \_\_\_\_\_ (hereinafter called)  
("BEE") which expression shall include its successors and assigns.

WHEREAS BEE has invited tender vide its Tender Notice No.

\_\_\_\_\_ Dated \_\_\_\_\_ to be  
opened on AND WHEREAS M/s

(Name of Tenderer)

having its office at \_\_\_\_\_  
(hereinafter called the "Tenderer"), has/have in response to aforesaid tender notice offered  
to supply/ do the job \_\_\_\_\_ as contained in the tender.

AND WHEREAS the Tender is required to furnish to BEE a Bank Guarantee for a sum of  
INR \_\_\_\_\_ (Rupees \_\_\_\_\_  
Only) as Earnest Money for participation in the Tender aforesaid.

AND \_\_\_\_\_ WHEREAS,  
we \_\_\_\_\_

(Name of Bank) have at the request of the tenderer agree to give BEE this as hereinafter  
contained.

NOW, THEREFORE, in consideration of the promises we, the undersigned, hereby  
covenant that, the aforesaid Tender shall remain open for acceptance by BEE during the  
period of validity as mentioned in the Tender or any extension thereof as BEE and the  
Tenderer may subsequently agree and if the Tenderer for any reason back out, whether  
expressly or impliedly, from his said Tender during the period of its validity or any  
extension thereof as aforesaid or fail to furnish Bank Guarantee for performance as  
per terms of the aforesaid Tender, we hereby undertake to pay BEE, New Delhi on  
demand without demur to the extent of  
INR \_\_\_\_\_ (Rupees \_\_\_\_\_ only).

**We further agree as follows: -**

01. That BEE may without affecting this guarantee extend the period of validity of the said  
Tender or grant other indulgence to or negotiate further with the Tenderer in regard to  
the conditions contained in the said tender or thereby modify these conditions or add  
thereto any further conditions as may be mutually agreed to in between BEE and the  
Tender AND the said Bank shall not be released from its liability under these  
presents by an exercise by BEE of its liberty with reference to the matters  
aforesaid or by reason of time being given to the Tenderer or any other forbearance,  
act or omission on the part of the BEE or any indulgence by BEE to the said  
Tenderer or any other matter or thing whatsoever.

02. The Bank hereby waive all rights at any time in consistent with the terms of this Guarantee and the obligations of the Bank in terms thereof shall not be otherwise affected or suspended by reason of any dispute or dispute having been raised by the Tenderer (whether or not pending before any arbitrator, tribunal or court) or any denial of liability by the Tenderer stopping or preventing or purporting to stop or prevent any payment by the Bank to BEE in terms thereof.
03. We the said Bank, lastly undertake not to revoke this Guarantee during its currency except with the previous consent of BEE in writing and agree that any charges in the constitution, winding up, dissolution or insolvency of the Tenderer, the said Bank shall not be discharged from their liability.  
NOTWITHSTANDING anything contained above, the liability of the Bank in respect of this Guarantee is restricted to the said sum of INR. \_\_\_\_\_ (Rupees \_\_\_\_\_ only ) and this Guarantee shall remain in force till \_\_\_\_\_ unless a claim under this guarantee is filed with the bank within 30 (thirty) days from this date or the extended date, as the case may be i.e. up to \_\_\_\_\_ all rights under Guarantee shall lapse and the Bank be discharged from all liabilities hereunder. In witness whereof, the Bank has subscribed and set its name and seal here under.

**Note: - The date shall be forty-five (45) days after the last date for which the bid is valid.**

## 10. Bank Guarantee Format (Performance Security)

Bureau of Energy Efficiency  
Sewa Bhawan, 4<sup>th</sup> Floor,  
R. K. Puram, Sector-1  
New Delhi-110066  
(With due Rs.100/- stamp duty, if applicable)

**OUR LETTER OF GUARANTEE No.:** ..... **Date**.....

**Amount:** ..... **Valid Date:** .....

**Bank Name & Address:**  
.....

In consideration of Bureau of Energy Efficiency having its office at Sewa Bhawan, 4<sup>th</sup> Floor, R. K. Puram, Sector-1, New Delhi-110066 (hereinafter referred to as "BEE" which expression shall unless repugnant to the content or meaning there of include all its successors, administrators and executors) and having issued list of successful agencies dated \_\_\_\_\_ against RFP No. \_\_\_\_\_ dated \_\_\_\_\_ which includes M/s \_\_\_\_\_ (hereinafter referred to as "The Agency" which expression unless repugnant to the content or meaning thereof, shall include all the successors, administrators, and executors).

WHEREAS the Agency having unequivocally accepted to perform the services as per terms and conditions given in the BID/RFP No \_\_\_\_\_ dated \_\_\_\_\_ and BEE having agreed that the Agency shall furnish to BEE, a Performance Security for the faithful engagement for the entire contract, amounting to Rs. \_\_\_\_\_.

We, \_\_\_\_\_ (The Bank) which shall include OUR successors, administrators and executors herewith establish an irrevocable Letter of Guarantee No. \_\_\_\_\_ in your favour for account of \_\_\_\_\_ (The Agency) in cover of performance security in accordance with the terms and conditions of the RFP.

Hereby, we undertake to pay up to but not exceeding \_\_\_\_\_ (say \_\_\_\_\_ only) upon receipt by us of your first written demand accompanied by your declaration stating that the amount Claimed is due by reason of the Agency having failed to perform the services as per the terms & conditions given in the BID/RFP and despite any contestation on the part of above named-agency.

This Letter of Guarantee will expire on \_\_\_\_\_ including 30 days of claim period and any claims made hereunder must be received by us on or before expiry date after which date this Letter of Guarantee will become of no effect whatsoever whether returned to us or not.

\_\_\_\_\_  
**Authorized Signature**  
**Chief Manager/Manager**  
**Seal of Bank**

**Note: - The date shall be valid up to sixty (60) days after the last date for which the all obligations under the contract are fulfilled.**

## Annexure I A (Sample Format)

### Sample Format

### Scheme: Promoting Energy Efficiency Activities in Different Sectors of Indian Economy

Financial Outlay (In CR.)	Components of Scheme	OUTPUTS 2021-26					OUTCOMES 2021-26		
		2019-20	2019-20	2017-18	2018-19	2019-20	Outcome	Indicators	Achievement
		<b>Outputs</b> <i>(Indicative only, can be modified)</i>	Indicators	2017-18	2018-19	2019-20			
	Strengthening of SDAs to promote efficient use of energy and its conservation at state level	<ul style="list-style-type: none"> <li>• Conduct of National/ Regional Workshops to provide knowledge sharing and adoption of best practices</li> <li>• Implementation of energy efficiency demonstration projects in areas of Street Lighting/ water pumping/ building retrofitting etc.</li> </ul>	Numbers				<b>Energy Savings</b>	<b>Million tonnes of Oil Equivalent</b>	

## Annexure I-B (ToR)

### **Template for Evaluation of Central Sector Scheme: [Scheme Name]**

**Name of Department /Name of Ministry**

#### **1. EXECUTIVE SUMMARY**

#### **2. OVERVIEW OF THE SCHEME**

##### **2.1 Background of the Scheme**

- a) Brief write up on the scheme including objectives, Implementation Mechanism, scheme architecture/ design
- b) Name of Sub-schemes/ components
- c) Year of commencement of scheme
- d) Present status with coverage of scheme (operational/ non-operational)
- e) Sustainable Development Goals (SDG) Served
- f) Alignment with Viksit Bharat 2047 Vision
- g) Fund Flow mechanism (National and sub-national level)

##### **2.2 Budgetary allocation and expenditure pattern of the scheme**

Sub-scheme/ Component	[Year 1]			[Year 2]			[Year 3]			[Year 4]			[Year 5]		
	BE	RE	Actual												

##### **2.3 Summary of past evaluation since inception of scheme**

Year of Evaluation	Agency hired for Evaluation	Recommendations made and accepted	Recommendations made but not accepted

#### **3. METHODOLOGY**

**3.1 Sample size and sample collection process-** The approach should be to derive a sample size based on some key output/outcome parameter of the scheme. The States/Districts/Villages & UCBs could be graded in terms of performance of the states in these indicators and accordingly representation from each such Strata be finalized systematically. While doing so, regional representation in terms of Zones as per NSSO (consisting of States/UTs) and aspirational districts/blocks may also be kept in mind.

**3.2 Baseline data on Key Performance Index (KPIs):** Baseline data on select KPIs (15 to 25 central to measure the effectiveness of the scheme in terms of its meeting the scheme objective to be collected: -

**3.2 (a) For New Scheme:** Baseline data to be collected through a baseline survey from the field. This could be done anytime during the commencement of the scheme to six months of it being in operation. This data and accompanying report are to be kept safely by the M/Ds. This would be followed by a mid-line survey, ideally after 2-3 years of its operation.

**3.2 (b) For Existing Scheme:** Synthetic baseline data may be created using secondary and administrative data to which these KPIs are to be compared. In any case, the current evaluation data has to be stored properly to be used in the future as an anchor dataset to carry out proper analysis of the ongoing schemes.

**3.3 Evaluation Tools used:** Various evaluation tools can be used in the primary survey such as Household questionnaires, Key Informant Interviews, Focused Group Discussions, etc. This would depend on the focus and orientation of the scheme.

**3.4 Data collection tools:** Computer Assisted Personal Interview (CAPI) tools to be adopted.

#### 4. OBJECTIVE OF THE STUDY

**4.1 Effectiveness of the scheme in terms of achieving its intended objectives as per the scheme guidelines (To be analysed on the Output/Outcome/Impact indicators)**

##### 4.2 Additional parameters

- a) Awareness and Coverage of Scheme-uptake by beneficiaries

State				District			
Urban		Rural		Urban		Rural	
Male	Female	Male	Female	Male	Female	Male	Female
SC/ST	SC/ST	SC/ST	SC/ST	SC/ST	SC/ST	SC/ST	SC/ST

- b) Assessment of implementation process and fund flow mechanism
- c) Training/ Capacity building of administrators/ facilitators, IEC activities etc.
- d) Asset/ Service creation, if any, assess adequacy and quality and & maintenance plan/recurring expenditure associated with it

- e) Benefits (Individual, community)
- f) Convergence with scheme of own Ministry/ Department or of other Ministry/ Department and with the scheme of States/UTs.

#### **4.3 Gaps in achievement of outcomes**

#### **4.4 Key Bottlenecks & Challenges**

#### **4.5 Input Use Efficiency**

#### **4.6 Best Practices/Case Studies**

#### **4.7 Most Significant Change (due to the scheme/intervention)**

### **5. OBSERVATIONS AND RECOMMENDATIONS**

#### **5.1 Thematic Assessment**

- i. Improving **value for money** through identification of avoidable duplication and overlaps between different schemes
- ii. Assessing the continued **relevance** and their effectiveness and efficiency in achieving the intended objectives.
- iii. Reduction in **avoidable overhead expenditure** on consultants, programme management, administration etc.

#### **5.2 Externalities**

### **6. CONCLUSION**

#### **6.1 Issues & challenges (data must attempt to gather information on, but not limited to, the following)**

Has the intervention caused a significant change in the lives of the intended beneficiaries?

How did the intervention cause higher-level effects (such as changes in norms or systems)?

Did all the intended target groups, including the most disadvantaged and vulnerable, benefit equally from the intervention?

Is the intervention transformative – does it create enduring changes in norms – including gender norms – and systems, whether intended or not?

Is the intervention leading to other changes, including “scalable” or “replicable” results?

How will the intervention contribute to changing society for the better?

#### **6.2 Vision for the future**

## **EXPLANATORY MEMORANDUM**

**2.1 (a)** Latest guidelines of the scheme may also be annexed.

**2.1 (b)** Sub-schemes/components which have separate budgetary allocations either through budget line or through Detailed Demand for Grants (DDG) may also be listed along with component-wise budget allocation.

**2.1 (d)** Details of number of states/districts/villages where the scheme is functional may be included.

**2.1 (e) & (f)** May be linked with objective of the scheme.

**2.2** If DDG makes allocations for certain items which are not shown as sub-schemes/ components, the same may be separately indicated along with allocation in the table.

**3.1** Complete list of states as classified by NSSO may be seen on its website.

**4.1** Output/ Outcome Indicators as per the objectives of the scheme be specified for proper assessment of the scheme. Indicators as spelt out in SFC/EFC memorandum during appraisal of the scheme may also be utilized.

Output/ Outcome/Impact Indicators (numbers or percentage) must be compared with base year value at all time points (periodicity) as per monitoring mechanism framework, also defined in SFC/EFC Memorandums

**4.2 (a)** Tabulated information up to Tehsil/ Block Level and if possible, up to village level may be provided.

**4.2 (b)** focus should be on clarity of instructions, availability of scheme or programme guidelines, clear definition of roles and responsibilities of functionaries and the number and nature of clarifications/ additional instructions issued w.r.t. scheme guidelines. Details about training (PFMS/EAT module, scheme's portal or any other) with number of interventions and levels at which these interventions were carried out may be included.

**4.3 (c)** Details about Stakeholders/ Beneficiaries, details of campaigns, media, frequency, feedback etc. may be included.

**4.2 (f)** In primary survey, a facility checklist may be included to ascertain the quality and usability of such assets created under the scheme. Details about nature and type of convergence with national and state level schemes may be detailed out.

Details about apparatus- manpower office transport etc. may be included. If there is no convergence, NIL may be recorded.

**4.3** These gaps could be attributed to absence of interventions/ non-performance of existing interventions.

**4.4** Focus may be of Financial, Administrative, Project Management and any other Key Bottlenecks & Challenges.

**4.5** Details of (a) requirement of funds as indicated in EFC/ SFC in relation to actual allocation of funds including timelines of release (b) requirement and allotment of manpower in implementation of scheme/Programme at various levels (PMU/Central/State) (c) Involvement of private players, volunteers, non-governmental organizations and local community etc. in the scheme may be provided.

**4.6** Description of the Best Practices and Case Studies- Since evaluation is to record both what is working and what is not, therefore, the best practices should be recorded in detail, facilitating replication.

**4.7** Most Significant Change: This information is to be gathered from primary survey w.r.t what one thing that the scheme has been able to achieve in the most significant way.

**5.1** Thematic assessment should focus on Accountability, Transparency, Employment generation (direct/indirect), Climate change and sustainability, Role of TSP/SCSP, Use of IT, Behavioral change in stakeholders/beneficiary, R&D, Role, functions, involvement/ support of State govts.

Evaluation of public interventions and policies needs to recognize the scarcity of resources, fiscal affordability **and the 'zero sum game' that plays out in resource allocation**. In a developing country like ours which faces multiple social, economic and environmental challenges, availability of public resources amongst competing demands will always be limited. Priority setting and resource allocation are vital questions to be addressed, and evaluation needs to assist in this. While interventions may be chosen to maximize specific objectives, they all are constrained with respect to practical and budgetary issues. Hence, evaluation recommendations should not routinely assume enhanced funding. If felt essential, alternative non-base case recommendations may be made separately.

Cross cutting themes can be assessed both through secondary data as well as primary. While conducting meta-analysis of existing reports, the evaluator

should actively review the cross-cutting themes. The primary data for cross cutting themes will be elicited through specific questions and responses during the key informant interviews and beneficiary surveys. For example, use of IT in scheme implementation, fund flow, monitoring and evaluation can be assessed from interaction with concerned ministries/ departments as well as states officials. Similarly, gender mainstreaming can be assessed by introducing specific questions on changes in knowledge, attitude and practices pertaining to gender equality, attributable to the CS intervention at hand, through household surveys.

**5.2** Details best practices, innovations or scheme/ projects where best practices were replicated may be provided.

**6.3** It is essential to highlight the importance of recommendations for the scheme. The evaluation agency may provide recommendations for the scheme in any of the following categories (a) Continue in existing form (b) Continue with some Modifications (suggest modifications) (c) scale up the scheme (Financial/Physical/ both) (d) Scale down the scheme (Financial/Physical/ both) (e) Close (f) Merge with another scheme as sub-scheme/ component. [*for further details see comments for para 5.1*]

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## Annexure II (Integrity Pact)

### Format for Integrity Pact

Integrity Pact

(Refer clause 2.6 of the RfP Document)

(To be executed on the plain paper and submitted along with Technical Bid/ Tender documents)

This Integrity Pact is made at \_\_\_\_\_ on this day of 20 .

#### **BETWEEN**

BUREAU OF ENERGY EFFICIENCY (BEE), a statutory body set-up under the provisions of the Energy Conservation Act, 2001 by the Government of India with the primary objective of reducing energy intensity of the Indian economy, having its office at 4th Floor, Sewa Bhawan, R.K. Puram, New Delhi-110066, acting through its [designation of the concerned officer] (hereinafter referred to as the "Principal", which expression shall, unless repugnant to the meaning or context thereof, include its successors and permitted assigns) of the ONE PART;

#### **AND**

(name of the Bidder), acting through Mr./ Ms. \_\_\_\_\_ (name of the Authorised Signatory), holding the designation of \_\_\_\_\_ [designation of the Authorised Signatory] (hereinafter referred to as the "Bidder/ Contractor/ Consultancy Agency/ Vendor", which expression shall unless repugnant to be meaning or context thereof include its successors and permitted assigns) of the SECOND PART.

#### **Preamble**

WHEREAS, the Principal has floated the Tender {RFP No dated } (hereinafter referred to as "Tender/ Bid") and intends to award, under laid down organizational procedure, contract for {Name of the work} (hereinafter referred to as the "Contract").

AND WHEREAS the Principal values full compliance with all relevant laws of the land, rules of land, regulations, economic use of resources and of fairness/ transparency in its relations with the Bidder/ Contractor/ Consultancy Agency/ Vendor.

AND WHEREAS to meet the purpose aforesaid, both the Parties have agreed to enter into this Integrity Pact (hereafter referred to as "Integrity Pact" or "Pact") the terms and conditions of which shall also be read as integral part and parcel of the Bidding Documents and the Contract Agreement between the Parties.

.....the "Principal" and the "Bidder/ Contractor/ Consultancy Agency/ Vendor", hereinafter individually referred to as "Party" and collectively as "Parties"

Now, therefore, in consideration of mutual covenants contained in this Pact, the Parties hereby agree as follows and this Pact witnesses asunder:

#### **Article-1-Commitments of the Principal**

(1) The Principal commits itself to take all measures necessary to prevent corruption and to

observe the following principles:-

(a) No employee of the Principal, personally or through family members, will in connection with the Tender for {Name of the work}, or the execution of a Contract, demand, take a promise for or accept, for self, or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal will, during the Tender process, treat all Bidders with equity and reason. The Principal will, in particular, before and during the tendering process, provide to all Bidders

the same information and will not provide to any Bidder, confidential/ additional information through which the Bidder could obtain an advantage in relation to the tendering process or the contract execution.

(c) The Principal will exclude all known prejudiced persons from the process.

(2) If the Principal obtains information on the conduct of any of its employees, which is a criminal offence under the Indian Penal Code, 1860/ Prevention of Corruption Act, 1988 ("IPC/ PC Act") or any other Statutory Acts or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions as per its internal laid down Rules/ Regulations.

### **Article-2 Commitments of the Bidder/ Contractor/ Consultancy Agency/ Vendor**

The Bidder/ Contractor/ Consultancy Agency/ Vendor commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution :

(a) Bidder/ Contractor/ Consultancy Agency / Vendor will not directly or through any other person or Agency/firm offer, promise or give to any of the Principal's employees, involved in the tender process or the execution of the contract or to any third person, any material or other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tendering process or during the execution of the contract.

(b) The Bidder/ Contractor/ Consultancy Agency / Vendor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contract, submission or non-submission of bids or any other action to restrict competitiveness or to introduce cartelization in the bidding process.

(c) The Bidder/ Contractor/ Consultancy Agency / Vendor will not commit any offence under the relevant IPC/ PC Act and other Statutory Acts. Further, the Bidder/ Contractor/ Consultancy Agency / Vendor will not use improperly, for purposes of completion or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

(d) The Bidder/ Contractor/ Consultancy Agency / Vendor of a foreign origin shall disclose the name and address of its Agents/ Representatives in India, if any. Similarly, the Bidder/ Contractor/ Consultancy Agency / Vendor of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further, details as mentioned in the 'Guidelines on Indian Agents of Foreign Suppliers' shall be disclosed by the Bidder/ Contractor/ Consultancy Agency / Vendor. Also all the payments made to the Indian Agent / Representative have to be in Indian Rupees only.

(e) The Bidder/ Contractor/ Consultancy Agency / Vendor will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries, in connection with the award of the contract. He shall also disclose the details of services agreed upon for such payments.

(f) The Bidder/ Contractor/ Consultancy Agency / Vendor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(g) The Bidder/ Contractor/ Consultancy Agency / Vendor will not bring any outside influence through any Govt. bodies/ quarters directly or indirectly on the bidding process in furtherance of its bid.

### **Article 3 Disqualification from tender process and exclusion from future contracts**

(1) If the Bidder/ Contractor/ Consultancy Agency / Vendor, before award or during execution has committed a transgression through a violation of any provision of Article 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder/ Contractor/ Consultancy Agency / Vendor from the tender process.

(2) If the Bidder/ Contractor/ Consultancy Agency / Vendor has committed a transgression through a violation of Article-2 such as to put his reliability or credibility into question, the

Principal shall be entitled to exclude including blacklist and put on holiday the Bidder/ Contractor/ Consultancy Agency / Vendor for any future tenders/ contract award process. The imposition and duration of the exclusion will be determined as per the existing provisions of GFR, 2017, PC Act, 1998 and other Financial Rules/ Guidelines etc. as may be applicable to the Principal, taking into account the severity of the transgression. The severity will be determined by the Principal by taking into consideration the full facts and circumstances of each case, particularly the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder/ Contractor/ Consultancy Agency / Vendor and the amount of the damage.

(3) A transgression is considered to have occurred if the Principal after due consideration of the available evidence concludes that "on the basis of facts available there are no material doubts about the occurrence".

(4) The Bidder/ Contractor/ Consultancy Agency / Vendor with its free consent and without any influence agrees and undertakes to respect and uphold the Principal's absolute rights to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

(5) The decision of the Principal to the effect that a breach of the provisions of this Integrity Pact has been committed by the Bidder/ Contractor/ Consultancy Agency / Vendor shall be final and binding on the Bidder/ Contractor/ Consultancy Agency / Vendor, however, the Bidder/ Contractor/ Consultancy Agency / Vendor can approach IEM(s) appointed for the purpose of this Pact.

(6) On occurrence of any sanctions/ disqualification etc. arising from violation of this Integrity Pact, the Bidder/ Contractor/ Consultancy Agency / Vendor shall not be entitled for any compensation on this account.

(7) Subject to full satisfaction of the Principal, the exclusion of the Bidder/ Contractor/ Consultancy Agency / Vendor could be revoked by the Principal if the Bidder/ Contractor/ Consultancy Agency / Vendor can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption prevention system in his organization.

#### **Article 4 Compensation for Damages**

(1) If the Principal has disqualified the Bidder from the tender process prior to the award according to Article-3, the Principal shall be entitled to forfeit the Earnest Money Deposit/ Bid Security or demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security apart from any other legal right that may have accrued to the Principal.

(2) If the work has been awarded then in addition to (1) above, the Principal shall be entitled to cancel the letter of acceptance/ notice of award issued to the Bidder.

(3) If the contract/ agreement has been signed, then the Principal shall be entitled to take recourse to the relevant provisions of the contract, related to Termination of Contract, due to Contractor's/ Consultancy Agency's/ Vendor's Default. In such case, the Principal shall be entitled to forfeit the Performance Bank Guarantee of the Contractor/ Consultancy Agency / Vendor and/ or demand and recover liquidated and all damages as per the provisions of the contract/ agreement against Termination.

#### **Article 5 Previous Transgression**

(1) The Bidder declares that no previous transgressions occurred in the last 3 years immediately before signing of this Integrity Pact with any other Company in any country conforming to the anticorruption/ Transparency International (TI) approach or with any other Public Sector Enterprise/ Undertaking in India or any Government Department in India that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action for his exclusion can be taken as mentioned under Article-3 above for transgressions of Article-2 and shall be liable for compensation for damages as per Article-4 above.

**Article 6 Equal treatment of all Bidders/ Contractors/ Consultancy Agency's/ Vendors/ Subcontractors**

- (1) The Bidder/ Contractor/ Consultancy Agency / Vendor undertakes to demand from all Subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
- (2) The Principal will enter into agreements with identical conditions as this one with all Bidders/ Contractors/ Consultancy Agency s and Subcontractors.
- (3) The Principal will disqualify from the tender process all Bidders who do not sign this Pact or violate its provisions.

**Article 7 Criminal charges against violating Bidder/ Contractor/ Consultancy Agency / Vendor/ Subcontractors**

If the Principal obtains knowledge of conduct of a Bidder/ Contractor/ Consultancy Agency / Vendor or Subcontractor, or of an employee or a representative or an associate of a Bidder/ Contractor/ Consultancy Agency / Vendor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

**Article 8 Independent External Monitor (IEM)**

- (1) The Principal can appoint any eminent person of high integrity and reputation in accordance with the guidelines issued by the CVC as Independent External Monitor (herein after referred to as "Monitor") for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the Parties comply with the provisions of this Pact and upon award of the contract, the obligations casted upon them under the contract/ agreement.
- (2) The Monitor is not subject to instructions by the representatives of the Parties and performs his functions neutrally and independently. He will report to the Principal.
- (3) The Monitor would be provided access to all documents/ records pertaining to the contract for which a complaint or issue is raise before him, as and when warranted.
- (4) The Monitor shall examine all complaints received by him and give his recommendations/ views to the Principal at the earliest. However, issues like warranty/ guarantee etc. shall be outside the purview of the Monitor.
- (5) The Bidder/ Contractor/ Consultancy Agency / Vendor accepts that the Monitor has the right to access without restriction to all project documentation of the Principal including that provided by the Bidder/ Contractor/ Consultancy Agency / Vendor. The Bidder/ Contractor/ Consultancy Agency / Vendor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors also.
- (6) The Monitor is under contractual obligation to treat the information and documents of the Bidder/ Contractor/ Subcontractor with confidentiality. The Monitor has also signed on 'Non-disclosure of Confidential Information' and of 'Absence of Conflict of Interest'. In case of any conflict of interest arising at a later date, the IEM shall inform the Principal and recuse himself/ herself from that case.
- (7) The Principal will provide to the Monitor sufficient information about all meetings among the Parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Bidder/ Contractor/ Consultancy Agency / Vendor. The Parties offer to the Monitor the option to participate in such meetings.
- (8) As soon as the Monitor notices, or has reason to believe, a violation of this Pact, it will so inform the management of the Principal and request the management to discontinue or take corrective action, or to take other relevant action. The Monitor can, in this regard, submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the Parties that they act in a specific manner, refrain from action or tolerate action.
- (9) The Monitor will submit a written report to the Principal within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.

(10) If the Monitor has reported to the Principal, a substantiated suspicion of an offence under relevant IPC/ PC Act or any other Statutory Acts, and the Principal has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

(11) The word 'Monitor' would include both singular and plural.

#### **Article 9 Pact Duration**

(1) The validity of this Integrity Pact shall be from the date of its signing and extend till the complete execution of the contract to the satisfaction of both the Principal and the Bidder/ Contractor/ Consultancy Agency / Vendor, including warranty period or defects liability period/ maintenance period, whichever is later. In case the Bidder is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract with the successful bidder.

(2) If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/ determined by the Principal.

#### **Article 10 Other Provisions**

(1) This Pact is subject to Indian Laws. Place of performance and jurisdiction is the Registered Office of the Principal, i.e., New Delhi.

(2) Changes and supplements as well as termination notices need to be made in writing only.

(3) If the Bidder/ Contractor/ Consultancy Agency / Vendor is in a partnership/ joint venture or a Consortium, this Pact must be signed by all partners or members.

(4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement shall remain valid. In this case, the Parties will strive to come to an agreement to their original intentions.

(5) Issue like warranty/ Guarantee etc. shall be outside the purview of the Monitor.

(6) In the event of any contradiction between the Integrity Pact and its Annexure(if any), the clause in Integrity Pact shall prevail.

(7) Any disputes/ differences arising between the Parties with regard to term of this Pact, any action taken by the principal in accordance with this Pact or interpretation thereof shall be subject to Arbitration (Refer Clause 7.20 of the RfP).

(8) The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provision of the extant law in force relating to any civil or criminal proceedings. Provide however, the Bidder/ Contractor/ Consultancy Agency / Vendor who has signed an Integrity Pact shall not approach the court while representing the matter to the Monitor under this Pact and shall wait for his decision in the matter.

In witness whereof the Parties have signed and executed this Pact at the place and date first done mentioned in the presence of following witness:-

(For & on behalf of the Principal)      (For& onbehalf of Bidder/Contractor) (Office Seal)  
(OfficeSeal)

Place    Date

Witness 1:      Witness 1:  
(Name & Address)      (Name &Address)

Witness 2:      Witness 2:  
(Name & Address)      (Name &Address)

## Annexure III (Bank Details)

### Bank Details for NEFT/RTGS

Name of Beneficiary	Bureau of Energy Efficiency
Bank A/c No	89830100010654
Name of the Bank	Bank of Baroda
Name of Branch Address	Bhikaji Cama Place, New Delhi-110066
Email ID	<a href="mailto:divaccounts@beenet.in">divaccounts@beenet.in</a>
A/c Type	Saving
Branch Code	6020
IFSC Code	BARB0VJBCPL
MICR Code	110012308
Swift Code	BARBINBBNND
PAN No	AAAAE0631J

**बैंक ऑफ बड़ोदा**  
**Bank of Baroda**  
 बी सी प्लेस, दिल्ली  
 B C PLACE, DELHI  
 RTGS / NEFT IFSC CODE: BARB0VJBCPL

जारी की गई राशि से तीन माह के लिए वैध VALID FOR THREE MONTHS FROM THE DATE OF ISSUE  
 CBS [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]  
 सेविंग खाता / SAVINGS ACCOUNT D D M M Y Y Y Y

Pay \_\_\_\_\_ Or Bearer  
 या धारक को

Rupees रुपये \_\_\_\_\_ अदा करें ₹ [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

खा. नं. / A/c No. 89830100010654 FOR BUREAU OF ENERGY EFFICIENCY

SB/2012/SE Payable at par at all branches in India Please sign above

\*000001\* 110012308: 010654 31

# **Annexure IV - EFC**

**EFC Memorandum – Scheme for Promoting Energy Efficiency Activities in Different Sectors of Indian Economy (Continuing Scheme).**

**2021-26**



**BUREAU OF ENERGY EFFICIENCY  
MINISTRY OF POWER  
GOVT. OF INDIA**

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### 1. Name of the Scheme

Scheme for Promoting Energy Efficiency Activities in Different Sectors of Indian Economy

### 2. Objective of the scheme

The primary objective of the scheme is to reduce the energy intensity of the Indian Economy. The proposed scheme has a broader vision and takes into account all the potential areas of energy efficiency in each sector. It outlines the strategies that need to be adopted for achieving India's Nationally Determined Contribution commitments under the Paris Agreement. It also envisages adopting demand side management measures with the aim of enhancing energy security and affordability.

### 3. Background of the scheme

The proposed scheme for Promoting Energy Efficiency activities in different sectors of Indian Economy comprises of following major components:

- I) Strengthening of State Designated Agencies (SDAs) to promote efficient use of energy and its conservation at State level.
- II) Demand Side Management (DSM) Initiatives
- III) Energy Efficiency & Technology Up-gradation in Small & Medium Enterprises (SMEs)
- IV) Standards & Labeling for Appliances
- V) Encouraging design and construction of Energy Efficient Buildings
- VI) Enforcement of Energy Conservation Act
- VII) Energy Efficiency in Transport Sector
- VIII) Energy Conservation Awareness, Awards and Painting Competition
- IX) Promoting Research, Design and Development (RD&D) for Energy Efficient technologies

The existing scheme for "Promoting Energy Efficiency Activities in different sectors of Indian Economy" approved by the Govt. during 2017-20 is proposed for continuation with further enhancement of scope to cover new potential areas and avenues based on impact assessment and stakeholder feedbacks. Detailed background note on each component is attached at [Annex-I](#).

### 4. Whether Central Sector (CS) Scheme/ Centrally Sponsored Scheme (CSS)

Central Sector Scheme

## 5. Total Proposed outlay (Component –wise and Year-wise)

S. No.	Component of scheme	Sub- component	2021-22	2022-23	2023-24	2024-25	2025-26	Total
			(In INR Crore)					
I.	Strengthening of SDAs to promote efficient use of energy and its conservation at State level	Providing financial assistance to the SDAs to coordinate, regulate and enforce efficient use of energy and its conservation at the State level	45	45	45	45	44	224
		Contribution to State Energy Conservation Fund	6	10	10	10	10	46
		<b>Total</b>	<b>51</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>54</b>	<b>270</b>
II.	Demand Side Management (DSM) Initiatives	Agricultural DSM Program	5.82	5.7	5.6	5	4.8	26.92
		Ag DSM- Energy Efficiency in Integrated Cold-chain	2	4	8	7.15	7.5	28.65
		Municipal DSM Program	7	6	6	5.5	4	28.5
		Capacity Building of DISCOMs	7	10	10	10	5	42
		<b>Total</b>	<b>21.82</b>	<b>25.7</b>	<b>29.6</b>	<b>27.65</b>	<b>21.3</b>	<b>126.07</b>
III.	Energy Efficiency in Small and Medium Enterprises (SMEs)	5	10	15	20	20	70.0	
IV.	Standards & Labeling for Appliances*	10	10	10	10	10	50.0	
V.	Building Energy Efficiency	20	15	15	20.5	25	95.5	
VI.	Enforcement of Energy Conservation Act	2	2	2	2	2	10.0	
VII	Energy Efficiency in Transport Sector	Energy Efficiency for Vehicles	1	1	1	1	1	5
		Energy Efficiency for Electric Vehicles	5	5	5	5	5	25.0
		<b>Total</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>30</b>
VII I.	Energy Conservation Awareness, Awards and Painting Competition	National Energy Conservation Awards & Painting Competition	5	5	6	5	5	26
		Awareness Campaign	5	5	8	10	10	38
		<b>Total</b>	<b>10</b>	<b>10</b>	<b>14</b>	<b>15</b>	<b>15</b>	<b>64</b>
IX.	Promoting RD & D for Energy Efficient Technologies	0	5	5	5	5	20	
<b>Grand Total (GT)</b>			<b>125.82</b>	<b>138.7</b>	<b>151.6</b>	<b>161.15</b>	<b>158.3</b>	<b>735.57</b>
<b>Fund Requirement from GoI (GT – S&amp;L)**</b>			<b>115.82</b>	<b>128.7</b>	<b>141.6</b>	<b>151.15</b>	<b>148.3</b>	<b>685.57</b>

The above figures are indicative. BEE would adjust the component wise provision as per actual requirement keeping total amount intact.

**Note: Total Cost of the scheme is Rs. 735.57 Crore. Out of which, Rs. 50.0 Cr. for Standards & Labeling program would be utilized from the labelling fee collected and kept under Energy Conservation Fund maintained by BEE and the balance amount of Rs. 685.57 Crore is solicited from Central Govt. (GBS).**

## 6. Actual Expenditure of the ongoing scheme in last 3 years

S.N.	Name of the Scheme	Name of the Components	2017-18	2018-19	2019-20	2020-21	Total
			In Rs. Cr.				
I	Scheme for Promoting Energy Efficiency Activities in Different Sectors of Indian Economy	Providing financial assistance to the SDAs to coordinate, regulate and enforce efficient use of energy and its conservation at the State level	23.00	10.49	45.00	30.00	108.49
		Contribution to State Energy Conservation Fund	4.00	0.00	6.00	6.00	16.00
II		Agricultural DSM Program	0.00	0.00	5.00	5.00	10.00
		Municipal DSM Program	0.00	0.00	4.16	0.0	4.16
		Capacity Building of DISCOMs	0.00	0.00	10.00	0.32	10.32
III		Energy Efficiency in Small and Medium Enterprises (SMEs)	0.00	0.00	5.00	5.00	10.00
IV		Building Energy Efficiency	0.00	0.00	25.00	10.00	35.00
V		National Energy conservation Awards & Painting Competition and Awareness campaign	37.00	10.00	20.00	25.00	92.00
		<b>TOTAL</b>	<b>64.00</b>	<b>20.49</b>	<b>120.16</b>	<b>81.32</b>	<b>285.97</b>
VI		Standards & Labeling for Appliances*	13.62	15.36	8.74	7.58	45.30
		<b>Total</b>	<b>77.62</b>	<b>35.85</b>	<b>128.90</b>	<b>88.90</b>	<b>331.27</b>

\*The expenditure pertaining to Standard & Labeling Component was met from Energy conservation Fund maintained by BEE.

**7. Approved output/outcome of ongoing scheme year wise and achievements (in a tabular form)**

Sl. N.	Name of the Component	Approved Output/Outcome	Achievements (2017-20)
I.	<b>Strengthening of State Designated Agencies (SDAs) to promote efficient use of energy and its conservation</b>	<ul style="list-style-type: none"> <li>• Implementation of demonstration projects across the country in the areas of street lighting, household lighting and water pumping, ceiling fans, up gradation of residential buildings through retrofits and any other innovative areas in 35 states.</li> <li>• Disbursement of financial assistance towards energy clubs in schools</li> <li>• To showcase savings potential &amp; effectiveness of energy efficient appliances in rural areas in 35 states</li> <li>• Undertaking training programs for Government officials in all states</li> <li>• Disseminate information on energy efficiency schemes and various initiatives through workshops to various energy consumers</li> <li>• Undertaking outreach programs through states vide promotional materials like pamphlets, brochures, posters, etc.</li> <li>• Undertaking research programs through educational institutions in states.</li> </ul>	<ul style="list-style-type: none"> <li>• Over 70 demonstration projects in the areas of street lighting, water pumping, buildings' retrofitting, and waste heat recovery have been successfully implemented by the SDAs.</li> <li>• About 4,000 government schools across the country have been benefitted from the replacement of conventional luminaries with LEDs and conventional fans with energy-efficient fans therein.</li> <li>• About 450 villages across the states were included under the "Model Energy Efficient Village Campaign" implemented through SDAs.</li> <li>• Over 280 workshops / capacity building programs involving Energy Managers / Energy Auditors, Industries / Designated Consumers (DCs), Energy Service Companies (ESCOs), DISCOMs, SERCs, building professionals, architects, etc. have been organized by the SDAs during the period from FY 2017-18 to FY 2019-20.</li> <li>• Almost all the SDAs have a dedicated website/tab of EC/EE in the site of their primary department. Most of the SDAs have presence over social media platforms like Facebook, Twitter, YouTube and Instagram.</li> <li>• 31 SDAs celebrated Energy Conservation (EC) day / week at large scale across their states. Almost 15 states also organized state-level EC awards ceremony.</li> <li>• Most of the SDAs have been involved in activities/projects like innovation challenge, research, etc. Moreover, 10 states have collaborated with</li> </ul>

		<ul style="list-style-type: none"> <li>Assessment of savings accrued through activities undertaken during 2017-18 to 2019-2020.</li> <li>Disbursement of 1st tranche of Rs 2.0 crores upon establishment of SECF in Delhi, Meghalaya, Manipur, Daman &amp; Diu, Dadra &amp; Nagar Haveli, Andaman &amp; Nicobar Islands, Lakshadweep and Telangana.</li> <li>Disbursement of 2nd tranche of Rs 2.0 crores to States namely Bihar, Mizoram, Tamil Nadu, Sikkim, West Bengal and Jammu &amp; Kashmir upon receipt of contribution from respective State Government</li> </ul>	<p>educational/ technical/ research institutions.</p> <ul style="list-style-type: none"> <li>26 states have successfully appointed adjudicating officer(s) at respective State Commissions for facilitating adjudication proceedings in case of non-compliance. Further, 13 SDAs have appointed inspecting officer(s) for carrying out inspection to ensure compliance of prescribed Energy Efficiency (EE) norms and standards.</li> <li>13 states have either incorporated modules/chapters on EE &amp; EC in school / college / university education curriculum.</li> <li>State Energy Conservation Fund has been constituted in 31 states out of which 26 states have provided contribution towards it.</li> </ul>
<b>II.a.</b>	<b>Agricultural Demand Side Management (Ag DSM)</b>	<ul style="list-style-type: none"> <li>Stakeholder consultation meetings and capacity building sessions for DISCOMs, SERCs, SDAs, manufacturers to mandate use of EE pumps for new connections.</li> <li>Financial assistance to farmers for EE pumps in accordance with the pump capacity</li> <li>Creating awareness among farmers by using print media and electronic media channels</li> <li>Conducting awareness workshops for farmers through Krishi Vigyan</li> </ul>	<ul style="list-style-type: none"> <li>Haryana, Punjab, Karnataka, Maharashtra, Tamil Nadu, Himanchal Pradesh, Puducherry, Kerala, Odisha and Uttarakhand have mandated use of EE pumps (star rated) for getting new electricity connection for Irrigation purpose.</li> <li>Awareness campaigns for farmers are carried out through DD Kisan TV channel. Similarly at state level, many states have FM radio channels for farmers.</li> <li>155 farmer training workshops have</li> </ul>

		<p>Kendras (KVKs)</p> <ul style="list-style-type: none"> <li>Organizing training workshops for technicians on best practices on overhauling and maintenance</li> <li>Providing financial support to set up one regional testing lab in the North, West, South and East of the country and one testing lab at the national level</li> </ul>	<p>been conducted by the SDAs through the KVKs</p> <ul style="list-style-type: none"> <li>Around 47 training workshops have been conducted by the SDAs for pump technicians</li> <li>Uttar Pradesh, Chhattisgarh have initiated the process to mandate the star rated agricultural pump sets</li> </ul>
<b>II.b.</b>	<b>Municipal Demand Side Management (Mu DSM)</b>	<ul style="list-style-type: none"> <li>Capacity buildings workshops for ULBs, public water bodies, urban development departments and other implementing agencies in cities under AMRUT project</li> <li>3 National level workshop on MuDSM</li> <li>Conducting training programs for pump technicians and operators of municipal systems</li> <li>Engaging technical consultant to develop M&amp;V protocols</li> </ul>	<ul style="list-style-type: none"> <li>10 states and UTs have conducted Stakeholder consultation meetings.</li> <li>10 states and UTs have conducted training workshops on MuDSM</li> <li>Around 47 training workshops have been conducted by the SDAs for pump technicians</li> </ul>
<b>II.c.</b>	<b>Capacity Building of DISCOMs</b>	<ul style="list-style-type: none"> <li>Establishment of DSM cell by the DISCOMs.</li> <li>Providing manpower support to 34 existing DISCOMs and 28 new DISCOMs</li> <li>Conducting load research studies and development of DSM action plan for 28 DISCOMs</li> <li>Creation of about 1000 master trainers on DSM and Energy Efficiency</li> <li>Imparting training to about 4000 circle level officials of DISCOMs.</li> <li>Notification of DSM regulation by the States</li> </ul>	<ul style="list-style-type: none"> <li>27 DISOCMs have established dedicated DSM cell in their DISCOMs for smooth implementation of various DSM projects.</li> <li>BEE has provided the manpower support i.e. one technical and one financial consultant to all 62 DISCOMs.</li> <li>Out of 28 DISCOMs under Phase-II, load research has been completed for 17 DISCOMs and the activity for rest of the DISCOMs would be completed by 2021.</li> <li>About 1000 nos. master trainers have been created on DSM and Energy Efficiency.</li> <li>About 3000 nos. of circle level officials have been imparted training on DSM and Energy efficiency.</li> <li>29 states/UTs have notified their DSM regulations in their respective states.</li> </ul>

		<ul style="list-style-type: none"> <li>• Adoption of DSM programs by the DISCOMs.</li> </ul>	<ul style="list-style-type: none"> <li>• Most of the DISCOMs have carried out DSM initiatives on energy efficient lighting, fans, pumps, air conditioners, etc. DISCOMs like APDCL (Assam), MESCOM (Karnataka) and APEPDCL (Andhra Pradesh) have taken DSM initiatives on energy efficient fans. APEPDCL have also taken initiatives on energy efficient pump sets, while BYPL and BRPL (Delhi) have also focused on Air Conditioners. BYPL-Delhi has also taken initiatives on Demand Response.</li> </ul>
<b>III.</b>	<b>Energy Efficiency and Technology Up-gradation in MSMEs</b>	<ul style="list-style-type: none"> <li>• Design and setting up Technology Specific Forum (structure, self-sustainable business model etc)</li> <li>• Conducting one (2) National level workshops to disseminate the purpose and objectives of the forum</li> <li>• Engaging ESCO companies in 20 energy intensive clusters for identification of 40 EE technologies and implementation of demonstration projects</li> <li>• Capacity Building of bankers and other FIs in energy intensive clusters</li> <li>• To develop technology specific risk assessment studies</li> <li>• To develop a master database of all LSPs, technologies, best practices etc. for energy intensive sectors</li> <li>• Pan India energy mapping of SMEs</li> </ul>	<ul style="list-style-type: none"> <li>• Developed Energy Conservation (EC) Guidelines for Large Industrial Sectors and MSMEs</li> <li>• National conclave on Enhanced Energy Efficiency were successfully conducted in 2018</li> <li>• 60 capacity building workshops on EE for MSMEs and ~1,000 MSME / energy professionals attended these workshops.</li> <li>• 329 units have implemented EE projects and ~1,100 MSME units were reached out for replication of EE projects through various outreach/marketing initiatives</li> <li>• business to business (B2B) vendor interfaces (technology exhibitions) were conducted</li> <li>• Around 483 DPRs for EE projects have been prepared and 443 EE projects have been implemented in 12 clusters</li> <li>• Conducted more than 150 capacity building / awareness/ dissemination workshops/ trainings and trained more than 2800 MSME, energy, FI professionals and LSPs</li> <li>• 250 LSPs were trained on latest technologies, process machines and</li> </ul>

			<p>equipment in various workshop</p> <ul style="list-style-type: none"> <li>• Launched Simplified Digital Hands-on Information on Energy Efficiency in MSMEs (SIDHIEE) Portal -Repository of variety of knowledge resources such as case studies, best operating practices, details of latest energy efficient technologies, etc.</li> <li>• 56 tutorial videos on EETs for 20 sectors covering 30 clusters have been developed by BEE</li> <li>• 50 units have implemented ISO 50001 and ~350 energy professionals were trained during ISO 50001 implementation. 100 energy professionals were trained as ISO 50001 auditors</li> <li>• Around 150 on-job trainings on EE were provided for shop floor employees and six EE demonstration videos were developed</li> <li>• 534 Energy Conservation Awards were given to MSME units recognizing their contribution towards EE</li> <li>• 90 types of EETs identified and 17 EE demonstration projects carried out in different clusters</li> <li>• BEE has identified more than 9 energy-intensive sectors under various sub-components mentioned above. The study is currently ongoing in 45 clusters</li> </ul>
<b>IV.</b>	<b>Standards &amp; Labeling</b>	<ul style="list-style-type: none"> <li>• 6 Voluntary Appliances</li> <li>• 3 Mandatory Appliances</li> <li>• 6 Appliances</li> <li>• Web Site Up-gradation</li> </ul>	<ul style="list-style-type: none"> <li>• Voluntary Star Labelling program: Chillers, Microwave Ovens, Solar Water Heater, Deep Freezer, Light Commercial Air Conditioners (LCAC). Star labelling program for washing machines was re-launched.</li> <li>• Energy consumption norms for appliances namely, Frost Free</li> </ul>

		<ul style="list-style-type: none"> <li>• Mobile App Up-gradation</li> <li>• Studies &amp; Surveys</li> <li>• Operations Manual for applications</li> <li>• Inter lab comparison</li> <li>• Brand Ambassador</li> <li>• Awareness</li> <li>• Documentaries/ Awareness videos</li> <li>• Market Research</li> <li>• Training Program (Retailers)</li> <li>• Training Program (Others)</li> <li>• Lab Capacity Building</li> <li>• Reference Lab formulation</li> <li>• Check Testing</li> <li>• Label Verification</li> <li>• Data Verification</li> </ul>	<p>Refrigerator, Direct Cool Refrigerator, Tubular Fluorescent lamps and Storage Type Electric Water Heater were ratcheted up.</p> <ul style="list-style-type: none"> <li>• LED testing facility at CPRI Bangalore was inaugurated by Secretary, Power.</li> <li>• To strengthen the market surveillance, BEE signed Memorandum of Understanding (MoU) with National Accreditation Board for Certification Bodies (NABCB) as Independent Agencies for Monitoring &amp; Evaluation (IAME).</li> </ul> <p><b>National Retailer Training Program (RTP)</b></p> <ul style="list-style-type: none"> <li>• Phase 1 of RTP (commenced in 2016) : total 18 workshops , 2200 retailers were educated</li> <li>• Phase 2 of RTP (commenced in 2018) : total 34 workshops , 1900 retailers were educated</li> <li>• Phase-3 of the RTP commenced from March 2019. The cities covered are categorized in Tier 1,Tier 2 and Tier 3.Around 3400 retailers have been educated so far in this phase.</li> </ul>
V.	<b>Building Energy Efficiency</b>	<ul style="list-style-type: none"> <li>• Up-dated ECBC Code</li> <li>• Notification of ECBC Rules</li> <li>• Standardized procedures for notification and implementation</li> <li>• Mandatory ECBC by all states</li> <li>• Launch of ECBC for Residential Sector</li> <li>• Amendment of EC Act to include Residential sector</li> <li>• Star Labeling Program for</li> </ul>	<ul style="list-style-type: none"> <li>• ECBC Cells have been established in all the states/UTs of India. 15 states/ UTs have notified ECBC and 10 more in the final leg of notification.</li> <li>• Telangana, Andhra Pradesh, Punjab and Uttarakhand have stated implementation of the code and so far, more than 340 building have been approved for construction post compliance with ECBC.</li> <li>• Around 335 demonstration buildings have been supported with technical assistance for ECBC compliance in the states/UTs, out of which 50 buildings are constructed/ final</li> </ul>

		<p>Residential Buildings</p> <ul style="list-style-type: none"> <li>• Notification of energy intensive buildings as designated consumers</li> <li>• Mandatory energy audits for building sector</li> </ul>	<p>construction stages.</p> <ul style="list-style-type: none"> <li>• More than 500 training programs have been conducted across India (1 day/2 days) to create awareness, technical workshops, hands on workshops, for capacity building of stakeholders in the area of ECBC and its implementation.</li> </ul>
<b>VIII.a.</b>	<b>Energy Conservation Awards, Painting Competition</b>	<ul style="list-style-type: none"> <li>• Hiring of Event Manager, Trophies, Mementoes, postage, travelling etc.</li> <li>• Release of advertisement on painting competition and state Level Painting competition</li> <li>• Production and airing of audio spot on FM Channels, SMS campaign and use of Social Media</li> <li>• Inviting applications and its scrutiny</li> <li>• Consolation &amp; National level prizes and mementoes for school participants.</li> <li>• Printing of certificates (school, state National level Drawing sheets, Direct Mailer, postage and vehicle, expenses etc.)</li> <li>• Organization of National Energy Conservation Award Function</li> </ul>	<ul style="list-style-type: none"> <li>• To enhance the coverage and reach, from 2019, the NECA application process has become online. Any eligible entity belonging to the list of industries/establishments included in NECA can apply for the energy conservation awards through the online mode on NECA portal. Usually a window of one month, extending from September to October is allotted for submission of applications.</li> <li>• From NECA 2019, no. of units that participated irrespective of no. of models is being recorded. 521 and 2384 models in 2017 and 2018 respectively were considered. The number of units participating in 2019 in appliance category were 35. BEE plans to add new categories like FMCG, Bio Technology, Electric Vehicles etc. in the coming years.</li> <li>• Online registration for schools started in 2019 however, various schools faced challenges especially in the rural areas due to lack of understanding and limited internet connectivity. However, the nodal officer tried to provide full support to the schools.</li> <li>• 84, 27,868 students participated during 2019-20.</li> </ul>
<b>VIII.b</b>	<b>Awareness Campaign</b>	<ul style="list-style-type: none"> <li>• Production of Video spots and Telecast on channels and cinema through DAVP/NFDC</li> <li>• Airing of audio spots on FM channels through DAVP</li> <li>• Display of BEE advertisement on outdoor sites through</li> </ul>	<ul style="list-style-type: none"> <li>• Participation in exhibitions to showcase BEE's schemes, policies, benefits and achievements. For example, trade square (Delhi), Vibrant Gujarat, CII Exhibition, Noida auto Expo, Delhi Utsav etc. In addition to direct participation by BEE,</li> </ul>

		<p>DAVP/NFDC</p> <ul style="list-style-type: none"> <li>• Release of advertisement</li> <li>• in publications through DAVP</li> </ul>	<p>participation in some of the events especially those outside of the Northern Region was delegated to the SDA's.</p> <ul style="list-style-type: none"> <li>• Van Activation and Promotion Program where Direct one-to-one contact with the consumers was achieved through this ground activity comprising videos, games, etc.</li> <li>• Crowd Sourcing was done through mygov. portal by organizing open logo competition</li> <li>• 360degree Campaign attacking through all the possible mediums so as to reach to maximum awareness level.</li> <li>• Media campaign comprising electronic, outdoor and print medium was released through DAVP (Directorate of Advertising and Visual Publicity), NFDC (National Film Development Corporation of India) as per the policies of the Ministry of information and Broadcasting</li> <li>• *Jingles (such as Button dabao bijli bachao, Ek leher), video/audio spots were regularly telecasted on Doordarshan, TV channels</li> <li>• Broadcasting of radio programs such as Bachat Ke Sitare Dost Humare on FM Gold, FM Rainbow and Vivid Bharti in 20 languages in 30 cities was organised</li> <li>• Many out-of-home advertising solutions, all of which offering their own unique impact such as billboards, advertising posters, walls, bus and rail media, street furniture, specialty signage, digital, mobile billboards, sports media and more were carried out</li> <li>• Publication of quarterly newsletter and in house magazine</li> <li>• Awareness generation through participation in various exhibitions</li> </ul>
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**8. Existing and proposed funding pattern (in a tabular form) along with rationale.**

S.N	Name of the Components	Name of the Sub-Components	Funding in Rs. Cr.								Rationale/Justification
			2017-18	2018-19	2019-20	2021-22	2022-23	2023-24	2024-25	2025-26	
1.	<b>Agricultural Demand Side Management (Ag DSM)</b>	<ul style="list-style-type: none"> <li>Stakeholder consultation meetings and capacity building sessions</li> <li>Organizing training sessions for pump technicians.</li> <li>Creating awareness among farmers</li> </ul>	0.15	0.99	5.2	5.82	5.7	5.6	5.0	4.8	Ongoing action
2	<b>Municipal Demand Side Management (Mu DSM)</b>	<ul style="list-style-type: none"> <li>Stakeholder consultation meetings and capacity building sessions.</li> <li>Capacity buildings workshops</li> <li>Conducting technical training programs</li> <li>training module /tutorials/documen tary films</li> </ul>	0.19	0.30	4.16	7.0	6.0	6.0	5.5	4.0	Ongoing work
3	<b>Capacity Building of DISCOMs Program</b>	<ul style="list-style-type: none"> <li>Conducting load research studies and developing DSM action plan.</li> <li>manpower support to DISCOMs</li> <li>training of trainers and capacity building of circle level officials</li> <li>Design and piloting Utility based DSM programs in selected DISCOMs</li> </ul>	0	5.0	15.0	7.0	10.0	10.0	10.0	5.0	Ongoing work

S.N .	Name of the Components	Name of the Sub-Components	Funding in Rs. Cr.								Rationale/ Justification	
		Dedicated web portal, focused group meetings/workshops, virtual load research library and study tours										For knowledge sharing
		Study of non-star/in efficient Distribution Transformer										replacement of old inefficient transformer
		Analytical tool and DSM guidebook.										For knowledge sharing
4	<b>Energy Efficiency &amp; Technology Up-gradation in Small &amp; Medium Enterprises (SMEs)</b>	<ul style="list-style-type: none"> <li>• Design and setting up Technology Specific Forum</li> <li>• Conducting National level workshops to disseminate the purpose and objectives of the forum</li> <li>• Engaging ESCO companies in 20 energy intensive clusters for identification of 40 EE technologies and implementation of demonstration projects</li> <li>• Capacity Building of bankers and other FIs in energy intensive clusters</li> <li>• To develop technology specific risk assessment studies</li> <li>• Pan India energy mapping of SMEs</li> </ul>	0	6.0	2.0	5.0	10.0	15.0	20.0	20	Scaling up EE efforts in MSME Sector	
5	<b>Standards &amp; Labelling Scheme</b>	<ul style="list-style-type: none"> <li>• Program Expansion</li> <li>• Ratcheting up of Standards</li> <li>• Implementation</li> <li>• Awareness</li> <li>• Capacity Building</li> <li>• Administrative</li> </ul>	13.62	15.36	38.34	10	10	10	10	10	For ongoing activities under S&L, the budget has been proposed.	

S.N	Name of the Components	Name of the Sub-Components	Funding in Rs. Cr.								Rationale/Justification
6	<b>Energy efficiency in the Electric Vehicles (EVs)</b>	Program Expansion to develop more policies.	0.00	0.00	0.00	5	5	5	5	5	Inclusion of EVs, EVSEs and traction batteries under S&L scheme.
		Developing Standards									Implementat ion of S & L standards related to E-Mobility
		Awareness									'Go Electric' campaign
		Lab Capacity Building									for strengthenin g testing of EVSEs, traction Batteries etc.
		Enforcement									Inclusion of EVs, EVSEs and traction batteries under S&L scheme.
		Awareness									to educate general public about the benefits of EVs
7	<b>General Awareness, Award and Painting</b>		10	20	6	10	10	14	15	15	Ongoing work
8	<b>Building Energy Efficiency</b>	<ul style="list-style-type: none"> <li>• New Commercial Buildings.</li> <li>• New Residential Buildings</li> <li>• Existing Residential &amp; Commercial Buildings</li> <li>• Administrative</li> </ul>	0.00	16	25	20	15	15	20.5	25	Ongoing work
		Near Zero Energy Buildings (NZEB) & Cities									New work for Near Zero building
		Energy Efficiency in Data Centres									Data Centre as new consumers

S.N .	Name of the Components	Name of the Sub-Components	Funding in Rs. Cr.								Rationale/Justification
		Energy Efficient Building Material and Technology									
9	<b>Strengthening of State Designated Agencies (SDAs) to promote efficient use of energy and its conservation at State level</b>	<ul style="list-style-type: none"> <li>• State Partnership for Energy Efficiency Demonstrations</li> <li>• PANCHayat-level Street and Home Energy Efficient Lighting &amp; Appliances</li> <li>• Institutionalization of enforcement machinery at State level</li> <li>• Manpower support to SDAs</li> <li>• Program on Energy Research and National Awareness (PRERNA)</li> <li>• Keeping account of Impacts of Tasks upon Analysis &amp; Assessment as Book (KITAAB)</li> <li>• Digital Energy Efficiency Platforms (DEEP)</li> <li>• Student Awareness / Student Capacity Building Program (SCBP)</li> </ul>	23.00	50.00	45.00	45	45	45	45	44	Ongoing activities. Proposed funding pattern is similar to existing funding pattern.
10	Contribution to State Energy Conservation Fund (SECF)		4.00	6.00	6.00	6.0	10.0	10.0	10.0	10.0	Standing Committee on Energy in its 7th report has recommended to enhance the funding to be provided under SECFs

### **Monitoring Framework:**

A monitoring committee will be constituted under the scheme guidelines to monitor the progress and implementation of various components.

#### **9. Major findings of evaluation/outcome review and comments of the Ministry/Department on each observation of the scheme(Attach evaluation report)**

The existing scheme for “Promoting Energy Efficiency activities in different sectors of Indian Economy” is a Continuing Scheme. The component-wise recommendations of Evaluation Report and action taken thereupon are annexed as *Annex-II*. The Evaluation Study has recommended continuation of various components/programs of energy efficiency beyond 2020 with some amendments/ improvements, which have been suitably incorporated in the proposed EFC note.

#### **10. Major changes/departure proposed from earlier scheme along with justification**

The existing scheme for “Promoting Energy Efficiency Activities in different sectors of Indian Economy” approved by MoP during 2017-20 is proposed for continuation with further enhancement of scope to cover new potential areas and avenues based on impact assessment and stakeholder feedbacks.

#### **11. Major changes in costing norms, if any**

The cost estimates have been done based on past experience as well as experience of similar activities during last plan period. Most of the activities will be done by agencies selected by competitive tendering process. It is envisaged that the variation is not going to be more than 5% on the total cost. In this regard, the codal formalities for tendering, as prescribed in GFR provisions will be followed.

#### **12. Convergence architecture with other central government schemes**

Apart from this scheme of Ministry of Power through Bureau of Energy Efficiency, no other scheme of any Ministry is supplementing efforts towards energy conservation and energy efficiency. The objectives and coverage of the current proposal does not overlap with the projects/schemes being implemented by the same or another agency (Ministry/Department/State Government).

#### **13. Rationale for continuation**

Based on the recommendations given in the third party evaluation report, the present scheme is proposed to be continued.

#### **14. Proposed output/outcomes year-wise**

Details available at *Annexure-III*

**15. Sunset date**

The scheme is continuous and on-going in nature. The current proposal is for the period up to 2026. However, the actions are expected to continue till 2030 to meet India's target for Paris agreement.

**16. Details of posts created for the Scheme (regular/contractual separately) and the number of persons engaged against them with annual financial implications**

No posts are proposed for creation under this scheme.

**17. Any additional posts proposed to be created with financial implication**

Nil

**18. Comments of other stake holders including Ministries/departments/NITI Aayog and response thereon (in a tabular form)**

Clarifications on the observations of IFD, NITI Aayog, DoE and CEA are attached at *Annexure - IV, Annexure -V, Annexure - VI and Annexure-VII.*

**19. Approval Sought**

Approval of Competent Authority is solicited for the following.

Continuation of the scheme titled "Scheme for Promoting Energy Efficiency Activities in Different Sectors of Indian Economy" beyond 31<sup>st</sup> March, 2021 and up to 31<sup>st</sup> March, 2026 at an estimated total cost of **Rs. 735.57 Crore** with financial support solicited as under:

- a. **Rs. 685.57 Crore** from Gross Budgetary Support from the Government of India.
- b. **Rs. 50.0 Crore** from the labelling fee collected and kept under Energy Conservation Fund.

(.....)

**Additional Secretary to the Government of India**

**Date:** \_\_\_\_\_