

17444/2017/SPV-MNRE

भारत सरकार

नवीन और नवीकरणीय ऊर्जा मंत्रालय

Government of India

MINISTRY OF NEW AND RENEWABLE ENERGY

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सं.

No. 42/12/2016-17/PVSE

दिनांक

Dated 23.12.2016

To
Managing Director
Energy Efficiency Services Ltd (EESL)
4th and 5th Floor, IWAI Building
A-13, Sector-1
Noida-201301

To
Director
Indian Institute of Technology,
Bombay
Powai, Mumbai- 400076,
Maharashtra


**Sub: Implementation of 70 lakh solar study lamps in the States of Assam,
Bihar, Jharkhand, Uttar Pradesh and Odisha.**

Sir,

I am directed to inform that Government has approved the scheme for distribution of solar study lamps for school going children in the above States where household grid connectivity is less than 50% as per the 2011 Census. Ministry of New & Renewable Energy, has appointed Energy Efficiency Services Limited (EESL) and Indian Institute of Technology Bombay (IITB) as the implementing agencies for the scheme. Guidelines for the scheme are enclosed for your ready reference.

2. The scheme is to be implemented in mission mode in collaboration with IITB and distribution of study lamps should be ensured by 31.12.2018. The unit of intervention for the scheme will be a block. Selection of priority of blocks will be based on the following criteria :

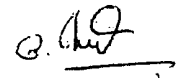
- a. blocks with less than 50% electrified households
- b. blocks in which a sizeable percentage of households dependent on kerosene as their main source of lighting.
- c. blocks with significant percentage of ST and SC population



3. The scheme will be jointly implemented by EESL and IITB. The role and the responsibilities of EESL are as follows:
- a. EESL will be responsible for tendering and procurement of the components for student lamp based on the indent of quantity of material required and locations of delivery given by IITB. EESL will be responsible for procurement of equipment / tools (eg: Hardware like laptops, dongles, tool kits, Software –ERP) as indicated by IIT Bombay
 - b. The Scope of Work, Technical Specifications, and other details of the programme shall be provided to EESL by IITB.
 - c. EESL will set up a panel of suppliers to supply such component's kits for lamps at the desired locations by undertaking rigorous and transparent tendering process in batches of defined quantities and as per MNRE specifications.
 - d. Procurement should be done in successive batches by EESL and MSME guideline should be followed in procurement.
 - e. The placed orders will then delivered to the desired locations by the vendors. Upon confirmation of delivery by IITB and adherence to quality, payments to vendors will be made by EESL.
 - f. EESL should nominate Nodal Officers at headquarters, IITB and the five States as also regional/district level officers to coordinate with district authorities, zonal/block agencies and IITB for smooth implementation of scheme.
 - g. EESL should consolidate State wise requirement of such lamp kits based on the demand generated in consultation with IITB.
 - h. EESL should supply such component's kits as per MNRE specifications under close supervision for ensuring proper quality of systems/components and ensuring proper luminescence.
 - i. EESL must ensure immediate replacement of faulty components within seven days of intimation on web enable portal or IITB or its partners.
 - j. EESL will be responsible for developing grievance handling portal/system as also web enable portal and mobile app for monitoring all systems and regular performance.



- k. EESL should develop system for tracking performance and benefits of the programme.
4. The role and responsibilities of IITB are as follows:
- a. IITB will be responsible accomplish following deliverable
- Selection of 14 Zonal Executing Agencies & 117 Block Executing Agencies
 - Guidance & capacity building of all agencies and their personnel, coordination & Monitoring of assembling of lamps in all 14 zones
 - Research & Development
 - Process Standardization/Quality Assurance in all zones and States
 - Identification of intervention blocks
 - Communicating demand plan to EESL (quantity, location, dates, etc).
 - Data Management and submission of State-wise monthly reports to MNRE.
 - Ensuring timely collection of proper beneficiary information & financial contribution in each zone.
 - Organising distribution of student lamps at proper functions and in orderly manner.
 - Documentation/ Progress Report.
- b. Developing 23000 service centres, involving preferably local trained youth for ensuring comprehensive maintenance of Solar lamp for 5 years
- c. IITB will also coordinate the development and release of solar lamp designs as 'Open Source Hardware', which can be used to foster local manufacturing.
- d. Implementation activities of IITB will include Coordination with EESL, Logistic arrangements for trainings, Zonal Operations & Data management, Standardization, Quality Control, Research & Development etc.
- e. IITB will also be responsible for developing grievance handling portal/system as also web enable portal and mobile app for monitoring all systems and regular performance.



- f. IITB will also be responsible for developing system for tracking performance and benefits of the programme
 - g. IITB should focus on creating rural skills and enterprises through this programme and developing 700 solar entrepreneurs.
 - h. IITB will keep separate accounts for the earlier scheme and this scheme.
 - i. EESL and IITB will be jointly responsible for complete execution and monitoring of the scheme for study lamps. These mechanism should encompass tracking of performance, repair & maintenance, distribution and efforts to be made for linking it to Aadhar.
5. The total budget for the Scheme is Rs. 494.90 Crores, which includes service charges to EESL at the rate of 1% of total cost of the solar study lamp. The contribution of student beneficiaries would be Rs. 100/- per solar study lamp. Tentative cost per solar study lamp given to student is Rs. 700, the balance cost of Rs. 600/- per solar study lamp and 1% service charge of EESL shall be borne by the Ministry. The budget for 70 lakh beneficiary students for the Base Model (refer scheme at Annexure) is as follows:

Budget Head	Tentative Cost (Rs./lamp)	Total Cost (Rs. in Crores)	Total Cost in percentage
MNRE Contribution			
1. Cost of the Study Lamp kit (Including transportation Equipments & Tools), and IT hardware & software system	560.37	392.26	80.07%
2. Service Charges to IIT B (Overall execution, planning and monitoring, training of trainers (ToT), Standardization, content development, research & development, open source hardware, quality assurance	29.31	20.51	4.18%
3. Logistics, infrastructure and support for developing rural enterprise, village level service center, capacity building, quality control, data management, etc.	10.32	7.22	1.45%
Total	600	420	

[Handwritten Signature]


Beneficiary Contribution			
4. Local level assembly, distribution of lamp, collection of beneficiary share, beneficiary awareness training, etc.	100	70	14.14%
Total Cost of the project	700	490	
5. Service Charges to EESL @ 1% of total cost (in Crores) by MNRE		4.90	
Total Cost of the project (in Crores)		494.90	100%

The cost sharing in the budget is as follows:

1.	Cost to be borne by MNRE	Rs. 424.90 Crores
2.	Cost to be borne by Student Beneficiaries	Rs. 70 Crores
3.	Total	Rs. 494.90 Crores

6. The release of funds will be on milestone basis. EESL will further release the fund to IIT Bombay as per budget head 2 & 3 mentioned in para 5 in accordance with percentage share for amount released by Ministry.
7. The number of beneficiaries under this program will be 70 lakh based on this cost, however in case the tendered price of the component/lamp is higher or lower, number may be adjusted accordingly. Further in such cases, the contribution of student beneficiaries should be kept as Rs. 100/-. The balance cost of each lamp shall be borne by the Government, subject to cumulative on this limit of Rs. 424.90 crores on MNRE contribution.

Yours faithfully



(Dr G Prasad)
Scientist-F/Director
Telefax: 011-24361151

Copy to

- PS to Hon'ble Minister NRE Shram Shakti Bhawan, New Delhi
- PPS to Secretary MNRE
- PPS to JS(SV) MNRE