



Energy Efficiency Service Limited  
Ministry of Power, Government of India  
Plot No. 1, Sector 10, Gurgaon, Haryana

Ref No: EESL/2024-25/HI/Sales/113

Date: 24/06/2024

To,  
The Dean,  
Academic Affairs,  
Central University of Jharkhand,  
Jharkhand

**Subject:** Submission of report of the walk-in Audit Done at Central University of Jharkhand on 13<sup>th</sup> June 2024.

Dear Sir

I hope this letter finds you in good health. I am writing on behalf of Energy Efficiency Services Limited (EESL), a leading Joint Venture Company of 4 CPSUs i.e., NTPC, PGCIL, REC and PFC under the aegis of Ministry of Power, Government of India, dedicated to promoting energy efficiency and sustainability across the country. EESL is committed to implementing energy-efficient solutions that contribute to environmental preservation while uplifting the lives of citizens.

In continuation with the MoU signed between Central University of Jharkhand (CUJ) and EESL dated: 5<sup>th</sup> June 2024 and with the support received from CUJ team a walk-in audit was conducted in your esteemed institution on 13<sup>th</sup> June 2024. The summary/suggestions based on the outcome of the walk-in audit is summarised below:

1. Details of existing appliances are as below:

Existing Appliances					
Sl No	Appliances	Quantity	Existing fixture wattage	Star Rating	Remarks
1	LED Bulb	679	11	NA	May be replaced with 6W LED Bulb
2	Tube Lights	5406	18	NA	No action required
3	Street Light	150	90	NA	No action required
4	Air Conditioner(1.5T)	35	2200	Mostly 2 Star	May be replaced with Super Efficient inverter ACs
5	Ceiling Fan	3336	70	3	May be replaced with BLDC Fans

*Adm*  
*25/6/2024*  
*Director, I&Ae*

**REGIONAL OFFICE :- Energy Efficiency Service Limited**  
1st Floor, First Aid Building FFP, Heavy Engineering Corporation (HEC)  
Dhurwa, Ranchi, Jharkhand - 834004

क्षेत्रीय कार्यालय :- एनजी एफईएसएल सर्विस लिमिटेड, पहली मंजिल,  
प्राथमिक चिकित्सा भवन, एफएफपी, हेवी इंजीनियरिंग कॉर्पोरेशन (एचईसी),  
धुर्वा, रांची, झारखण्ड-834004

2. Three number of Internal Combustion engine(ICE) cars may be replaced with electric cars.
3. Three number of Diesel Buses may be replaced with electric Buses.
4. Since campus is in a vast area, e bicycles are recommended to be used within the campus for commute.
5. Installation of rooftop solar system is highly recommended
6. Awareness program on Environmental issues, Energy efficiency in the campus should be done.

Detailed calculation of Deemed saving after the retrofit of the existing appliances with the latest technology is done at Annexure-1(attached with this letter).

Also in respect to Sl. no- 1 to 4 proposals are attached with this letter.

Further we would like to thank you for selecting EESL as a partner in your endeavour to achieve net zero mission.

With Regards,

Yours Sincerely

Ranveer K. Singh  
State Head, Jharkhand

Annexure:

- A. Proposal for e4wheelers as a Service.
- B. Proposal to Adopt EESL's Energy Efficient Appliances.
- C. Proposal for e buses.
- D. E- Bicycle Proposal.
- E. Annexure- 1

Copy to:

1. Mr. Animesh Mishra(Head-Sales), EESL.
2. Mr. Alok K. Mishra (Cluster Head- NCRC), EESL

Quotation offer for supply of Energy Efficient Inventories at Buildings of Central University of Jharkhand.

Sl. No.	Existing Fixture	Proposed Fixture	Quantity	Unit Rate		Operative Days	Existing Fixture Capacity (kW)	Current Annual Consumption (kWh)	New Fixture Capacity(kw)	Post Implementation Annual Consumption
				(Ext. GST)	(In Year)					
1	2.00 W LED Bulb	50W LED Bulb	576	72	41472	310	11	27334.58	6	15755.26
2	30W CFL	30W BLDG Fan	3236	2155	7069840	750	78	724550	20	340046
	1.5 TR Split AC (Com. Tonnet) 2 Star	1.5 TR Split Energy Efficient 50 TR	55	37657	2071135	240	12	144800	1000	58320
<b>Total Project Cost</b>					<b>8554553</b>			<b>205533 8343</b>		<b>1232000</b>
Warranty on AC										
Compressor-10 year										
CFL-5 years										
Compressor-1 year										
<b>TOTAL SAVING (Per Year)</b>										<b>3391996</b>

Note: GST shall be charged as per the prevailing rate at the time of bid.  
 Payment Terms: 50% in Advance, 50% after Supply of the Material.