

**PUNJAB ENGINEERING COLLEGE**  
(Deemed to be University), Chandigarh

**Notice for procurement of Thermal Energy Storage Training System being proprietary Article under rule 166 of General Financial Rules, 2017.**

The Department of Mechanical Engineering of this Institute intends to purchase Thermal Energy Storage Training System having following Specifications:-

**Detailed Specifications**

Sl. No.	Components	Sub- Components	Specifications
1	Heat generating unit	Insulated tank	
		Material	SS-304
		Capacity	50 (L)
		Electric heater-rating	6000 W
2	Insulated Energy (heat ) storing unit	PCM-1	
		Name of PCM	Paraffin wax
		Melting temperature	55 ( <sup>0</sup> C)
		Heat of fusion	173( $\frac{kJ}{kg}$ )
		PCM-2	
		Name of PCM	Organic fatty acid
		Melting temperature	67 ( <sup>0</sup> C)
		Heat of fusion	210( $\frac{kJ}{kg}$ )
		Heat exchanger	
		Number	3
		Heat exchanger tube material	Copper
		PCM holding pipe (shell)	
		Number	3
Material	SS-304		
3	Control unit	Temperature Meters	
		Temperature Sensors	
		Flow meter & Sensor	
4	Accessories	External tank	
		Number	2
		Hot water Pump	
		Manual	

As per knowledge of this institute , above said article/ equipment is only manufactured by **Ecosense Sustainable Solutions Pvt. Ltd.** F- 34/8, Okhla Industrial Area Phase – II, New Delhi- 110020 (**Website:** [www.ecosenseworld.com](http://www.ecosenseworld.com)), INDIA and this firm is authorized for

Selling/ Marketing and render after sales support of product in the Chandigarh region. The proprietary Article Certificate issued by the OEM is attached as Annexure-1.

In case, there is any other OEM or its authorized agent/ reseller for the above said article then they are requested to submit their proposal to the Director, Punjab Engineering College, Sector-12, Chandigarh through email- [pssatsangi@pec.ac.in](mailto:pssatsangi@pec.ac.in) / hardcopy latest by 23.02.2018 failing which it will be presumed that there is no other firm who manufacture the required article/ equipment and purchase will be processed and finalized from the available source.

**Head of Department  
Mechanical Engineering Department**