

Expression of interest cum presentation

15-02-2019

Sub;- Construction of solid waste processing plants in Banaras Hindu University .

The Banaras Hindu University (BHU) , founded by Bharat Ratna Mahamana Pandit Madan Mohan Malviya in 1916, is one of the most prestigious Central University and the largest residential University in Asia, constructed on about 1350 Acres (Main Campus) . There are 5 institutes (Including Medical Sciences , Institute of Agricultural Sciences, Institute of Environment and Sustainable Development , Institute of Science and institute of Management studies) 16 Faculties , 135 Departments , A Mahila Mahavidyalaya, two interdisciplinary schools in the main campus , one large dairy having more than 500 cows , one large Hospital Sir Sunderlal Hospital about 2000 bedded , many health centers , one large Trauma Centre Hospital , Dental Hospital, Press, Sport complexes etc . BHU also has one more campus in Varanasi in Kamachha where about 5 numbers of hostels are there, ----- nos quarters and students ----

BHU has another large campus in the Mirzapur District. i.e. Rajiv Gandhi South Campus , Barkachha ,this campus is about 90 kms from the main campus Varanasi build on 2700 acres. In this campus about 9 hostels are there.

Apart from the University has above 80 hostels (60 of BHU and 20 of IIT BHU), 1400 quarters which are likely to increase to about 1800 to 2000 in number soon, One very famous Temple (Sri Viswanath Temple), one of the largest libraries in India, large agricultural fields, sport facilities, its own water supply facility, its own power distribution facility etc. The campus is fully a green campus. The campus is a township in itself and around 25 thousand persons reside in the campus and about 50-60 thousand persons visit it every day.

BHU is facing challenge of disposing huge quantity of solid waste generated in the campus including hospital waste, waste from dairy, press, various labs, house hold waste and general MSW, Horticulture waste generated by the trees agriculture produce in the campus and flower/leaves generated from Sri Vishwanath Temple etc.

Some quantity of construction and demolition debris also keep generating from time to time.

In light of the above BHU wishes to invite such companies/enterprises to establish such plants and facilities by which these waste material could be disposed /processed/ converted / utilized in most scientific way following such methodologies such as :-

- 1). Waste to energy (electric energy, hot water supply / steam for cooking, refrigeration etc.)
- 2). Waste to organic manure (out of tree leaves, agricultural wastes, food waste etc.)
- 3). Waste to useful petroleum oil (from plastics etc.)
- 4) C&D waste to useful building and construction products, recycled products.

- 5). Useful paper products like files, file boards , docketts etc.
- 6). Any other products like tree fence / tree guards etc.
- 7). Fuel briquettes.

However all the activities should be ecological friendly, following green technology, without creating any type of pollution and strictly following the prevailing solid waste handling and disposal rules of the concerned state and central government agencies.

The prepared plant could be a centralized unit or decentralized units for different sectors.

There shall be a central monitoring command for monitoring all operations in one single location.

With the above requirements in mind BHU wishes to organize presentation of the technologically and financially capable parties who can set up such plants, **facilities in the main campus following Build, Operate, Maintain and Transfer Mode.**

BHU would like to engage one single agency for the entire activities however if this is not possible then one agency has to be the lead partner of the expert consortium so that the lead partner could be held responsible for the all activities.

No financial offer is expected at this stage. Notice for inviting bids will be followed separately .

Plants should be modular in nature, sustainable and long lasting. It will be preferred that the centralized units are energy independent and self sustaining in terms of electrical power. During Construction electric power and water may be given to the agency at chargeable rates. The agency must arrange residential facility of their staff by themselves BHU has no spare residential quarter for this purpose. The whole system shall be compact covering minimum area and should not generate any useless or environmentally harmful residue which needs further disposal.

Presentation would be organized in the Central Office of BHU and the schedule would be communicated subsequently.

Interested parties are requested to send their confirmation for participation in presentation latest by 5.00 PM, 28.02.2019.

Please contact for any other clarification in this regard on

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