



**Institute for Solid Waste Research &  
Ecological Balance (INSWAREB)**  
(The Unique Techno-Scientific Organisation in NGO Segment)

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**INSWAREB Press Release**

From the Desk of Mr N Kalidas, Director.

Bharat Oman Refineries Ltd. (BORL), the joint venture company of Bharat Petroleum, is setting up 6 MMTA Grass root Refinery Complex at Bina, Madhya Pradesh. This project is going to set up a captive power plant of 99 MW based on the petroleum coke, which comes as a byproduct in the refinery. This company has awarded an assignment to the Institute for developing know how on the ash, which is different to fly ash generated out of coal-fired boilers. The output of this ash would be 1500 TPD, which may prove as complement to fly ash in the production of FaL-G bricks.

**The scope of assignment includes:**

- To evaluate the ash, develop know-how for the production of bricks and blocks, commensurate to the typical behaviour of the ash;
- To workout techno-economic feasibility for the production of bricks and blocks with the ash available from BORL;
- To provide know how to the first batch of entrepreneurs, encouraging them to set up brick plants in and around Bina, in order to bring awareness in the area;
- To conduct Road shows and workshops throughout Madhya Pradesh in order to facilitate proliferation of numerous number of FaL-G brick plants.
- To develop utilisation network and undertake distribution of ash to user agencies in order to ensure 100% utilisation;

In view of the commitment of BORL for total ash utilisation, INSWAREB is committed to support the company in their endeavour for proving the byproduct as an opportunity in the years to come.