



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

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**PRESS RELEASE**

**On FaL-G:CDM Awareness Workshop at Pune on May 31, 2009.**

From the Desk of N Kalidas (98481-91453), Director, INSWAREB.

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We take the pleasure of introducing our institute, INSWAREB, which is the unique techno-scientific outfit in NGO segment. We focus our research in developing technologies based on industrial solid wastes such as slag, fly ash, sludge etc., thus focusing to address the problem of over 180 million tons every year. Generally, use of industrial waste products result in conservation of energy and minerals that are otherwise put in them at the cost of principal product. Hence use of byproducts result in conservation of natural resources on one hand and avoidance of pollution on the other; contributing to Sustainable Development through accomplishment of E3, Environment, Ecology and Economy.

Our institute has contributed significantly to the utilisation of fly ash at National level. We have revolutionized the brick activity by facilitating to replace clay bricks with fly ash bricks. FaL-G is the technology developed and patented by us and our institute has played significant role in popularizing the technology in the country in a big way. In view of significance of this technology in national scenario, HUDCO has given a great fillip to this appropriate technology and popularized the same through out the country through its Building Centres. Unlike in clay bricks, this technology uses zero-thermal energy and, In view of techno-economic feasibilities, many State Governments, and various central government departments have made the use of fly ash bricks compulsory.

So far over 9000 plants are working through out the country generating employment to over 108,000 workforce, not on seasonal basis but on perennial basis. It is not exaggeration to highlight that this technology contributes to the annual turnover of over Rs. 3600 crores.

As no fuel is burnt in FaL-G brick activity, production of each million bricks earns approx. 240 tons of carbon credits. Due to the contribution of this technology to Sustainable Development the World Bank has opted to purchase the carbon credits under CDCF (Community Development Carbon Fund) program. A Special Purpose Vehicle (SPV) called Eco Carbon Pvt. Ltd. (ECPL) is promoted for this purpose, with whom the World Bank has signed agreement for purchasing the carbon credits worth of over US\$ 6.00 million.



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Entrepreneurs in Andhra Pradesh are already benefited by carbon credits out of their production over the last two years where Rs. 1.30 crores were disbursed to over 24 units. 42 more units are enrolled under bundle III, covering units from Chattisgarh, Orissa, Tamilnadu in addition to the lion's share of AP. Over Rs. 1.00 crore is going to be distributed this year. ECPL is keen to enlarge this activity in order to share the fruits to as many States as possible.

FaL-G technology is something like Microsoft Windows, which is being practiced at every nook and corner of the country based on pirated versions. INSWAREB, despite having patent, is not keen to restrict this mushroom growth because of its commitment to catalyse the promotion of over 100,000 plants. However, INSWAREB is keen to refine the practices of all these units with proper technology-counselling so that right raw materials in right proportions would get into the product, offering qualitative product to the consumer.

Realising this potential at Pune, our carbon specialist, Ms Deepa More, has felt the urge to organize these units under one bundle and offer the same to the World Bank as CDM project. In the process she aims to make available the technological-refinement to all these units from INSWAREB. ECPL sees a synergy in this proposal and gladly came forward to launch the program in Pune.

For this purpose, INSWAREB, as the technical partner, is organising **'FaL-G:CDM Awareness Workshop' on Sunday, the May 31, 2009 at Olympus, Hotel Quality Inn Centurion, Opp. Akashwani, Shivajinagar, Pune.** The program starts at 09:30 hrs, covering the salient technological features and the arithmetics in earning carbon credits in the pre-lunch session. In the second part of this workshop, ECPL would clarify the doubts on one-to-one basis and signs the carbon credit agreements with fly ash units those who want to enroll in the carbon credit program.

In our endeavour to popularize this technology, press and media has been of strong support in our journey of past two decades, without whom this technology would have remained as regional one. Even now, a lot of awareness and enlightenment need to be brought in to fulfill the target of 100,000 plants targeted by INSWAREB at National level. Many states are lagging behind in tapping the potential of fly ash available within the state and Maharashtra is not an exception. Hence, considerable awareness need to be brought in collectively.

Details about this technology are available at [www.fal-g.com](http://www.fal-g.com) and you are most welcome to contact us for any further clarifications and inputs.