



# IN TOUCH.....IN TUNE

CSIR-CMERI Monthly Newsletter

Issue 5, August 2016

## Meeting with the Hon'ble Chief Minister of Mizoram

A team of Scientists led by Prof. Harish Hirani, Director, CSIR-CMERI met Pu Lalthanhawla, Hon'ble Chief Minister of Mizoram and his council of ministers on Monday, July 11, 2016. Prof. Hirani appraised the Chief Minister about the technologies CSIR-CMERI had provided during the last ten years for sustainable income generation of the farmers of Mizoram in collaboration with CDAR – a Mizoram based NGO. At the request of the Chief Minister a concept note outlining the areas of possible collaboration between the state government and CSIR-CMERI and how the collaborative effort can be rendered more useful has been communicated to the Government of Mizoram.

## Inauguration of Iron Removal Plant

Under the flagship CSIR-800 programme, 50 Improved Iron Removal Plants of CSIR-CMERI design are being installed in different villages of the Bankura district of West Bengal for supply of safe drinking water. Two such plants – one each in Birbarda and Paschim Ratanpur were inaugurated by Prof. (Dr.) Harish Hirani, Director, CSIR-CMERI on July 13, 2016 in presence of the villagers and the authorities of the local self government.



Improved Iron Removal Plant of CSIR-CMERI design was installed in Block Bankura-II on July 13, 2016

## Inauguration of Solar Tree

CSIR-CMERI has designed and developed a Solar Power Tree to harness maximum solar energy utilizing minimum land. On July 22, 2016 a Solar Tree installed at his residence was inaugurated by Dr. Harsh Vardhan, Union Minister for Science & Technology and Earth Sciences.



Solar Tree installed at the residence of Dr. Harsh Vardhan

## Training programme on Boiler Tube Failure and Remedies

The NDT & Metallurgy Group of CSIR-CMERI organized a two day training programme on **Boiler Tube Failure and Remedies (BTFR-2016)** during July 14-15, 2016 at CSIR-CMERI, Durgapur. Twenty Six skilled technical practitioners from various power utilities including DVC, CESC, WBPDC, DSP, NSPCL, ALSTOM, etc. participated in the training programme. Amongst various topics, the Workshop addressed issues related to different aspects of boiler tube failure and presented investigative analyses of failed tubes with case studies.



Training Course Material being released during the inaugural programme of BTFR-2016

## Constitution of Committees

- Director, CSIR-CMERI constituted an **Executive Committee** under the chairmanship of Dr. Avik Chatterjee, Senior Principal Scientist to look after the broader level of planning, allocation and deployment of human and machine resources of the rechristened AdMac. [OM No. 1.Adm(1)/Misc./Committee/97-E(B) dated July 14, 2016]
- A team headed by Dr. Nagahanumaiah has been constituted to recommend ways and means for effective utilization of space and savings in energy. [OM No. 1.Adm(1)/Misc./Committee/97-E dated July 20, 2016]
- A **Core Committee** was constituted under the patronage of Director, CSIR-CMERI for conducting year long events commemorating **CSIR-CMERI Diamond Jubilee Celebration** and providing inputs for **CSIR Platinum Jubilee Celebration**. [OM No. 1.Adm(1)/Misc./Committee/97-E dated July 26, 2016]

## Interdepartmental Movement

- Shri Sankar Karmakar, Principal Scientist joined the **Surface and Field Robotics Group** upon transfer from the **Manufacturing Technology Group**. [OM No. 10.Adm.(18)/78-E(B) dated July 11, 2016]
- Shri Srinivasan A, Scientist moved to the **Robotics and Automation Group** upon transfer from the **Cybernetics Group**. [OM No. 10.Adm.(18)/78-E(B) dated July 20, 2016]
- Shri Ajoy Kumar Roy, Senior Technical Officer (2) was inducted into the **Technology Marketing Group**. [OM No. Misc./Estt.I/2003 dated July 20, 2016]
- Dr. L.G.Das, Senior Scientist, Mr. Arun Baiju V.G., Senior Technical Officer (1), Mr. Pallab Chatterjee, Technician (1) were transferred to **Engineering Design Group** from the **Process Plant Engineering Group**. [OM No. 10.Adm.(18)/78-E(B) dated July 26, 2016]
- Dr. Anjali Chatterjee, Senior Principal Scientist was relocated to the **Energy Research & Technology Group** upon transfer from the **Cybernetics Group**. [OM No. 10.Adm.(18)/78-E(B) dated 26, 2016]
- Mr. Rajpal Singh, Senior Scientist was transferred from the **AdMac Group** to the **Near Net Shape Manufacturing Group**. [OM No. 10.Adm.(18)/78-E(B) dated 27, 2016]

## Formation and Change of Nomenclature of Groups

- The **Thermal Engineering Group** was renamed as **Energy Research & Technology Group** and the **Quality Management & Environmental Engineering Group** as **Quality Management Group**. [OM No. Misc./Estt.I/2003 dated July 15, 2016] and [OM No. Misc./Estt.I/2003 dated July 15, 2016]
- A new R&D group entitled **Environmental Engineering Group** has been established under the leadership Dr. Biswajit Ruj, Principal Scientist. [OM No. Misc./Estt.I/2003 dated July 18, 2016]

## Miscellaneous

- Dr. S.K. Samanta, Principal Scientist will act as the Scientist In-Charge of the **AdMac Group** in consultation with Mr. A.J. Banerjee, Chief Scientist. [OM No. 1.Adm(1)Misc./Committee/97-E dated July 21, 2016]
- Dr. A.K. Lohar, Principal Scientist has been nominated as the In-Charge of the **Central Research Facility**. [OM No. Misc./Estt.I/2003 dated July 27, 2016]

## Paper of the Month

Effects of doping, morphology and film-thickness of photo-anode materials for dye sensitized solar cell application – A review

by D. Sengupta, P. Das, B. Mondal, K. Mukherjee

Renewable and Sustainable Energy Reviews, Volume 60 July 2016, Pages 356–376

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