INVITATION FOR RESEARCH PROPOSAL UNDER THE "R&D SCHEMES OF MOP BEING IMPLEMENTED THROUGH CPRI"

On

"Research for new areas for use of Flue Gas Desulfurization (FGD) Gypsum suited to Domestic requirements"

The "R&D schemes of MoP being implemented through CPRI" is being administered by CPRI. The scheme basically aims to provide funds for carrying out need based research in power sector including solving of operational problems encountered by Indian Power System. The projects may be devised with the involvement of Industries / Utilities or ultimate beneficiary.

In the present call, proposals are invited from Academic Institutes/Industries and Research Institutions etc. on the thrust areas of research on "Research for new areas for use of Flue Gas Desulfurization (FGD) Gypsum suited to Domestic requirements".
The thrust areas for research is enclosed as **Annexure I.**

Project proposals may be formulated after consultation with concerned stakeholders and the objectives of the project should be clearly defined with a plan for implementation. Institutions proposing the project should ensure that the key investigators indicated in the project proposal are available for the entire duration of the project. The outcome of the project should be useful in utilizing FGD Gypsum for domestic requirements.

Priority will be given to the proposals having potential for generation of IPR / Patents/Product Development.

Proposals along with technical and financial particulars may be submitted in the prescribed format (available in the CPRI website) under the NPP or RSoP schemes to:

Additional Director & HoD R&D Management Division Central Power Research Institute, Prof.Sir.C.V.Raman Road, Sadashivanagar P.B.No.8066, Bangalore -560 080	Phone - 080-22072234 E-mail: mvrao@cpri.in

Last date of submission for the proposal is: 16th August 2022

Annexure I

RESEARCH FOR NEW AREAS FOR USE OF FLUE GAS DESULFURIZATION (FGD) GYPSUM SUITED TO DOMESTIC REQUIREMENTS :

FGD Gypsum is being used worldwide since decades and is considered to be non- hazardous useful "by-product"/ "resource" replacing natural gypsum. FGD Gypsum is used worldwide for manufacturing of drywall, drywall compounds, cement, concrete/ concrete products,soil amendment, binding agents, fertilizer, filler, additive, pH-regulating agent, coloring agent, agents adsorbing and absorbing gases or liquids, process regulators for other than polymerization or vulcanization processes, Processing aid, pigments, Complexing agents etc. FGD Gypsum can also be safely used in applications like cement manufacturing, building materials, wallboards, building plaster, reclamation of sodic soil etc. where natural gypsum is being used presently.

FGD Gypsum, which is produced in coal based thermal power plants where wet limestone based FGD systems are installed, is a non-hazardous "By-product" and research is required to find the applications for safe use of this FGD Gypsum in areas suiting to Indian domestic requirements.