ENERGY INNOVATION FOR LIFE
SANEDI, PO Box 9935, Sandton, 2146
A: CEF HOUSE, Block C, Upper Grayston Office Park, 152 Ann Crescent, Strathavon, Sandton, 2146
T: +27 [11] 038 4300 **E:** information@sanedi.org.za **W:** www.sanedi.org.za

PUBLIC NOTICE OF A DECISION TO CONSIDER AN UNSOLICITED PROPOSAL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR) REQUEST FOR GRANT FUNDING

Public Notice is hereby given in terms of National Treasury practice note no 11 of 2008/2009 as issued in terms of section 76 of the PFMA of a decision by SANEDI to consider an unsolicited proposal received from Scientific and Industrial Research (CSIR) for the request for grant funding project in relation to Clean Coal Technology, Circulating Fluidised-Bed (CFB) Pilot Test Facility Feasibility Study.

REASONS FOR NOT OPENING THE BID TO OTHER COMPETITORS

- CSIR is the only institution has started and is currently working on a CFB Technology demonstration project
- SANEDI, subsequent to completing the Cleaner Fossil Fuels Roadmap which recommended the CFB Technology as the suitable technology for South Africa, requires to move to the stage of research to implementation
- Participation in the CSIR CFB Technology demonstration contributes to SANEDI's Annual Performance Plan

POTENTIAL BENEFITS

Contributes to South Africa's GHG emissions reduction initiatives such as:

- Climate Change Policy
- Paris Agreement
- National Determined Considerations

Fuel Flexibility: Can burn a wide range of fuels: low-grade coal, biomass, waste materials, and even petcoke. Ideal for South Africa's variable coal quality.

Lower Emissions: Operates at lower combustion temperatures (800–900°C), which significantly reduces NO_x emissions. Uses limestone or other sorbents to capture SO_2, cutting down on acid rain contributors.

High Combustion Efficiency: The turbulent mixing of fuel and air ensures more complete combustion. Less unburned carbon in the ash means better energy extraction.

Environmental Adaptability: Can meet stringent global flue gas emission standards. Supports carbon mitigation strategies while still using existing fossil fuel resources.

Scalability & Reliability: Commercially available at capacities up to 600 MW. Proven track record in industrial and power generation settings.

Ash Utilization: Produces dry, non-leaching ash that can be used in construction or land reclamation
An invitation is hereby extended to any member of the public or potential bidder to submit their written comments or representations in respect hereof to the Accounting Officer within **30 days** from date of this publication. Please note that no late submissions will be considered.

The comments and representations should be expressed to:

The Acting Chief Financial Officer
SANEDI

For attention: Mr Nhlanhla Mzila
Email: enquiries.procurement@sanedi.org.za
Switchboard: +27 011 038 4300