Tender Document

ICAR-NATIONAL BUREAU OF PLANT GENETIC RESOURCES
PUSA CAMPUS, NEW DELHI-110012

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Up-Gradation/Modernization of Existing National Gene Bank Facilities at NBPGR, New Delhi

e-TENDER DOCUMENT

ICAR-NATIONAL BUREAU OF PLANT GENETIC RESOURCES
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E-PROCUREMENT TENDER NOTICE

ICAR-National Bureau of Plant Genetic Resources, Pusa, New Delhi-12 invites tenders under Two Bids System (Technical and Financial) from reputed & eligible agencies through e-procurement for **Upgradation/Modernization of National Gene Bank Facilities at NBPGR, New Delhi that includes:-**

- Retrofitting of refrigeration system of 12 Long-Term Storage (LTS) and 5 Medium Term Storage (MTS) modules.
- Providing Module Control System
- Providing Central Management System (CMS)
- Security and Safety
- Humidity system for retrofit for MTS Modules
- Maintenance of upgraded facility through trained personnel
- Related Civil and Electrical Works

Item	Details/Date
Bid Document Download Start Date	15.07.2017 at 11.00 AM
Bid Submission Start Date	17.07.2017 at 11.00 AM
Pre-Bid Conference	29.07.2017 at 10.30 AM
Bid Submission End Date	21.08.2017 at 2.30 PM
Technical Bid Opening Date	22.08.2017 at 11.00 AM

Background Information about Upgradation/Modernization of National Genebank.

The ICAR-National Bureau of Plant Genetic Resources (ICAR-NBPGR) was established in 1976. Since its inception, ICAR-NBPGR was solely entrusted with the responsibility of collection and conservation of plant genetic resources to make these available nationally and internationally for crop improvement programmes. It played a vital role in crop improvement and diversification of agriculture in India through acquisition and distribution of various plant genetic resources (PGR). ICAR-NBPGR plays a key role in the overall management of PGR. These comprise activities of PGR exploration, collection, exchange, quarantine, characterization, evaluation, conservation and documentation. For conservation of vast genetic resources, the National Genebank (NGB) was established in 1986 and further expanded in 1996 at the ICAR-NBPGR headquarters, with a network of 10 regional stations/base centres covering different agro-climatic zones. The NGB collections are conserved as base collections (long-term storage) in storage modules maintained at -18°C and active/working collections (short-to medium-term storage) in modules maintained at 4-8°C and 35-40% relative humidity. The NGB facility is one of the largest in the world with a capacity to hold more than 0.8 million base collections. The present germplasm holding of around 0.43 million belonging to nearly 1,800 species, is the largest genetic wealth conserved as *ex situ* after USA. The state-of-the-art facility, the pride of nation, that conserves the PGR to cater to the needs of plant to breeders for developing the new climate resilient varieties. Since the machinery part of NGB in now about 21 years old, requires the upgradation/ modernization with the latest technology so that it will run smoothly for next about 20-25 years in the service of the nation. ICAR-NBPGR invites the competent bidders to place the e-tenders on competitive rates for