

CBRN Water Purification System Mk-II

In a CBRN warfare/ disaster like flood scenario, water bodies get contaminated with fallout radioactive dust, dispersed Chemical & Biological agents, Toxins, etc. Ingestion of this contaminated water causes severe health issues and may lead to death. Based on Armed forces requirement, a mobile vehicle mounted CBRN Water Purification System with captive power source has been developed by DRDO, Defence Laboratory, Jodhpur, for treating water contaminated with CBRN agents, turbid water & Salinity. It is operable in Desert, Plains and High Altitude area, with sub-Zero temperature storage capability and having capacity of 2500 to 6000 litres / hr. It can be housed in a Shelter & mounted on Stallion vehicle. Captive power source of Diesel Generator set CQAL 640A Qualified used and having PLC & SCADA based automatic control. It is a unique system in the world having hot desert & cold desert (high altitude) compliance. Purified water meets drinking water services/ emergency standard requirement.

Application:

- Purification of CBRN agent contaminated water during war time.
- Contaminated water purification during terrorist/ intentional Radiological attack disaster
- To provide potable water from turbid/ saline feed water at plains, and hilly area.
- Provide potable water during disaster.



Interested Industries are requested to forward their Expression of Interest (EoI) (with an attachments of supporting documents) to Director DL, Jodhpur with a copy of Director DIITM, DRDO HQ (without attachment) on following address:-

To,

Director

Defence Laboratory

Ratanada Palace

Jodhpur

Rajasthan-342011

Phone : 0291-2510275

Fax : 0291-2511191, 0291-2510260

Email : [director\[dot\]dl\[at\]gov\[dot\]in](mailto:director[dot]dl[at]gov[dot]in)

Copy to

Director

Directorate of Industry Interface & technology Management (DIITM)

Room No. 447, DRDO Bhawan, DRDO HQrs, Rajaji Marg, New Delhi-110011

Phone: 011-23013209/23015291

Fax: 011-23793008

Email: **diitm[dot]hqr[at]gov[dot]in**

Industries are requested to enclose supporting document with EoI as per Appendix 'D' of DRDO Policy and Procedure for ToT available at <https://www.drdo.gov.in/sites/default/files/inline-files/drdo%20Policy%20%26%20Procedure%20%20for%20ToT.pdf> and forward it to Defence Laboratory, Jodhpur.