

Technology for Impregnated carbon (Whetlerite)

The respiratory protection against chemical warfare agents (CWA) has become a worldwide concern in light of the many recent international threat utilizing CWA. Respiratory protection is required to avoid the deleterious health hazard which appears on its exposure. Activated carbon removes the wide range of chemicals based on physisorption, which depends upon its porous structure. Although activated carbon removes the persistent agents from contaminated air stream, however, it was found ineffective against non persistent agents. Impregnated carbon is a critical component of respiratory protection which purifies the contaminated air by filtering out the NBC contaminants. In order to make it effective against wide range of CWA, through extensive research followed by its testing, DRDE developed impregnated carbon (Whetlerite) for the development of NBC canisters and filters for the services in order to get individual respiratory protection from CWA. Impregnated carbon (Whetlerite) based NBC products has successfully completed User Trial and accepted by the Services. This indigenous technology is available with DRDE, Gwalior.



MINISTRY OF DEFENCE
DEFENCE RESEARCH & DEVELOPMENT ORGANISATION
Dte of Industry Interface & Technology Management (DIITM)

Tele:23007435
Fax: 23793008

Room No.435
DRDO Bhawan
New Delhi-110011

DRDO/DIITM/ToT/DRDE/2020

Aug 2020

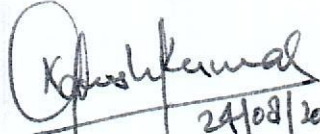
Director
DRDE
Gwalior

(K/A: Dr. D.T> Selvam, Sc 'F' and Head TC, HR & TM)

Head TC/ITM
Jt. Dir.
9/9/20

Sub: Regarding of ToT of ' Impregnated Carbon(Whetlerite) in respect of M/s Suracsh Filters Pvt. Ltd., Ernakulam(Kerala)

1. Reference your letter No. DRDE/ TM-02/ToT/Suracsh/2020 dated 07 Aug 2020..
2. In this regard, you are requested to forward the one page write-up and Technology Nomination Form (TNF) as per DRDO Policy and Procedures for ToT-2019 for further processing the case for categorization & hosting the same on DRDO website for ToT. Soft copy of the same only sent on lavkush@hqr.drdo.in and sanjeev.kumar@hqr.drdo.in.
3. This is for your information and necessary action please.


24/08/2020
(Lavkush Kumar)
Jt. Director, DIITM