

Directorate General
Central Industrial Security Force
(Ministry of Home affairs)

CGO Complex, Block No.13,
Lodhi Road, New Delhi - 03

MEDICAL BRANCH

No.M-20015(73)/CISF/Med.Dir./QRs/2021- 1894

Dated: 22.10.2021

To,

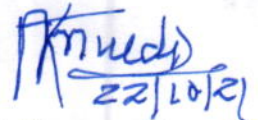
The AIG/Tech,
CISF HQrs., New Delhi

Subject:- **HOSTING OF DRAFT QRs OF MICROWAVE DISINFECTANT
SYSTEM FOR DISPOSAL OF HOSPITAL WASTES (BIO-MEDICAL
WASTE) ON CISF & MHA WEBSITES : REG**

Enclosed find herewith a soft copy of Draft QRs of 'Microwave Disinfectant System for Disposal of Hospital Wastes (Bio-Medical Waste)', drawn by Board of Medical Officers detailed by ADG(Med), CAPFs, vide their letter No.27012/23/ADG(Med)/DA-3/2021/1784 dated 16.09.2021 for hosting the same on CISF and MHA websites with a link showing 'DRAFT QRs OF MICROWAVE DISINFECTANT SYSTEM FOR DISPOSAL OF HOSPITAL WASTES (BIO-MEDICAL WASTE)' for 15 days.

2. Firms/Venders may send their comments/objections/suggestions to DIG/Director (Medical), CISF HQrs., CGO Complex, Lodhi Raod, New Delhi (email ID – dir-med@cisf.gov.in).

Encls:- As above.


22/10/21

(Dr. Ashok Kumar Trivedi)
DIG/Director (Medical)

Copy to:-

1. The Technical Director/NIC, : For kind information and hosting the same
NDCC-II Building, on MHA website for 15 days.
Jaising Road, New Delhi.
2. The ADG/Med., CAPFs : For kind information please.
R.K. Puram, New Delhi.

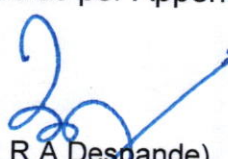
BOARD PROCEEDING

Proceeding of : A board of officers.
Assembled at : Office of Director(Medical), CISF HQrs., CGO's Complex, Lodhi Road, New Delhi.
On the date of : 14.10.2021 onwards.
By the order of : ADG(Med.), CAPFs order No.27012/23/ADG(Med.)/DA-3/2021/1784 dated 16.09.2021.
Purpose : To examine the proposal for amendment/revise the QRs of **Microwave Disinfectant System for Disposal of Hospital Wastes (Bio-Medical Waste)** submitted by CRPF.
Composition of Board :
P.O. Dr. Ashok Kumar Trivedi, DIG/Director(Med.), CISF, CGO Complex, New Delhi
Member-I Dr. N Sittlhou, CMO(SG), FHQ BSF Hosp-I, R K Puram, New Delhi.
Member-II Dr. J Mukhopadhyay, CMO(SG), CRPF, New Delhi.
Member-III & expert Co-opted member Dr. R A Despande, CMO(SG), Base Hospital, ITBP
Member-IV Dr. Sanjay Chaudhary, Comdt(Med.), 25th Bn. SSB, New Delhi
Member-V Dr. Ajit Mukherjee, PSO(LS), BPR&D, New Delhi

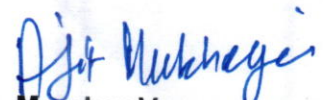
Pursuant to the orders of ADG/Med., CAPFs, the board assembled at office of DIG/Director (Medical), CISF, CGO Complex, Lodhi Road, New Delhi from 14.10.2021 onwards to examine the proposal for amendment/revise the QRs of **Microwave Disinfectant System for Disposal of Hospital Wastes (Bio-Medical Waste)**, submitted by CRPF. The amended/revise QRs of '**Microwave Disinfectant System for Disposal of Hospital Wastes (Bio-Medical Waste)**' are enclosed as per Appendix-'A'.

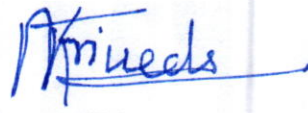

(Dr. N Sittlhou)
CMO(SG), BSF
Member-I


(Dr. J Mukhopadhyay)
CMO(SG), CRPF
Member-II


(Dr. R A Despande)
CMO(SG), BH, ITBP
Member-III & Expert
Co-opted Member


(Dr. Sanjay Chaudhary)
Comdt.(Med.), SSB,
Member-IV


Member-V
(Dr. Ajit Mukherjee, PSO(LS)
BPR&D


(Dr. Ashok Kumar Trivedi)
DIG/Director(Med.) CISF
Presiding Officer

QRS AND TDs OF 'MICROWAVE DISINFECTANT SYSTEM FOR DISPOSAL OF HOSPITAL WASTES (BIO-MEDICAL WASTE) :

APPENDIX-'A'

SPECIFICATIONS		Procedure suggested for trial for Board of Officers	Result expected/ desired
1.	Capacity of Disinfection system should be 10 Lit/cycle (50/10 bedded) and 30 Lit/cycle (200 bedded)	Board should check physically during demonstration. OEM should submit an undertaking and documents in this regard.	As per specification.
2.	Duration for one disinfection cycle should below one hour.		
3.	Frequency of Microwave Generator – between 2000 MHZ to 2500 MHZ.		
4.	Monitory system with E-cloud based on line temperature and record display and printout for each batch process.		
5.	Power Consumption should be below 2500 W.		
6.	HF output of Microwave Generator – between 1 KW to 3 KW		
7.	Operating voltage and frequency – 230 v/50Hz.		
8.	Input current – 15 A		
9.	Should comply with the latest Bio Medical Waste Management rules 2016. It is mandatory to pre-treat highly infectious laboratory waste blood bag etc. at source before its final disposal.		
10.	Weight – Below 250 Kgs.		
11.	Should be PLC based Automatic operation with automatic water.		
12.	End product should be Non-infectious.		
13.	Should be touch screen process recorder, online temperature display and super safety lock.		
STANDARD, SAFETY AND TRAINING :			
1.	Should have CE (European Union compliance certified)/ BIS and the same should be central pollution control board (CPCB) certified.	OEM should submit an undertaking and documents in this regard.	As per specification.
2.	Manufacturer should have IOS certification, where Indian standards are not available.		
3.	Comprehensive warranty for Daily, Weekly, Monthly maintenance.		
4.	Comprehensive training for technical staff and proper support services till familiarity with system.		

Member-I

II

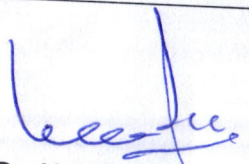
III

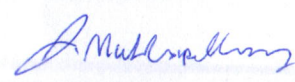
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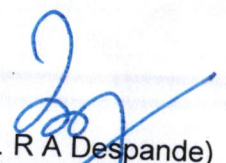
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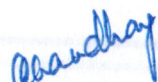
P.O.


DOCUMENTATION :			
1.	User/ Technical/ Maintenance manuals to be supplied in English.	OEM should submit an undertaking and documents in this regard.	As per specification.
2.	Log book with instructions for Daily, Weekly, Monthly maintenance.		
3.	The job description of the hospital Technician, service engineer should clearly spelt out.		

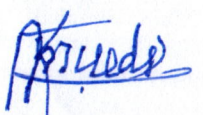

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