

**कार्यालय -स्वास्थ्य विभाग सुरक्षा एवं पर्यावरण
बी.एच.ई.एल , हीप हरिद्वार**

S.N-HSE/HEEP/PQR/2019-20

Dated – 18/11/2019

PRE-QUALIFICATION REQUIREMENT (PQR) FOR VENDORS FOR PURCHASE OF
ITEMS IN MPR NO -20190703

The Vendors meeting following criterion would be considered:-

1. Vendor should be Manufacturer or their authorized dealer/ Distributer/ supplier of Item Half Face Piece Respirator or safety products.
2. Authorized dealer/ Distributer/ Supplier should submit the authorization letter from their concerned Manufacturer.


Head/AGM (HSE)


Kamal Kulshrestha
Safety Officer

Annexure-B

FORM DG 49

BHEL/HEEP/HSE/G/02

Rev. No. 01

PAGE 1 OF 2

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SUPERSEDES
INVENTORY NO.

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PLANT PURCHASING SPECIFICATION HEEP – HARDWAR

HALF FACE PIECE RESPIRATOR

1.0 SCOPE

This standard covers the requirement of 3M 6200 Half Face piece Dual Cartridge Respirator

2.0 Compliance with standards

It shall comply with the standards IS 8522:1977 /NIOSH standard.

3.0 Technical Requirements.

3.1 Half Face piece Composition: The Half Face piece Respirator shall be either a Thermo Plastic Elastomer or Silicon material, both being stable, odourless, hypoallergenic and pliable so as to conform to the user's facial contours snugly.

3.2 Weight: Should be less than 80 gms in weight

3.3 Construction:

- The respirator face piece must be designed to have a nose cup assembly and a secure single flange face seal especially along the contours of the users face and nose bridge area, to ensure a reliable seal at all times.
- The material used to make the face piece should be available in two types Silicon and or Stable Thermoplastic Eastover, durable, hypoallergenic in nature. i.e, it must not cause any irritation or any dermal allergic reaction when it comes in contact with the facial portion of the user.
- The respirator must have a speech facilitator so that the user is able to communicate effectively when wearing the respirator.
- The face piece must have a well balanced 2 point head suspension with easy to adjust head strap which does not allow snagging of hair & a dual jointed cradle suspension to ensure a snug fit on the user's head. The head straps along with the cradle suspension should be easily replaceable when damaged or worn out
- If used in the positive pressure mode the wearer must be able to disconnect the airline at the air regulating valve and the system must then change to the filters/cartridges air purifying mode and then back to supply air mode with a simple reconnection of the airline.
- The face piece must be designed in a manner, which facilitates easy disassembling for the purposes of cleaning
- The dual Cartridge type of respirator should provide well-balanced fit and easy breathing facility.

3.4 Versatility:

- The face piece must be approved by NIOSH for both negative pressure and positive pressure use i.e., the product should be such that could be used for both Cartridges / Filters and as a supplied air configuration.

SIGN &
DATE

	NAME	DESIGNATION	SIGNATURE	DATE
WORKED	KAMAL KULSHRESHTHA	SAFETY OFFICER		13.11.19
CHECKED	PEEYUSH KUMAR PAL	SR. ENGINEER		13.11.19

INVENTORY NO.

APPROVED BY

V. K. Saxena
Head (HSE)

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PLANT PURCHASING SPECIFICATION **HEEP – HARDWAR**

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- 3.5 Field of Vision & Weight:** The face piece must have a swept back design so as not to hamper/obscure the wearer's vision and must be well balanced, lightweight and comfortable to facilitate continuous usage over one working shift.
- 3.6 Inhalation Valves** The face piece must have two well-designed apertures fitted with one way non-return valves, to ensure only inhalation through the cartridges, the inhalation and exhalation valves shall be differently coloured so as to easily identify the required valve, in case any damage/wear and tear occurs.
- 3.7 Exhalation Valve** The face piece must have a well designed aperture fitted with one way non return valve, to ensure only exhalation through the face piece. The inhalation and exhalation valves shall be differently coloured so as to easily identify the required valve, in case any damage/wear and tear occurs.
- 3.8 Cartridge Loading** The Face piece must have well designed apertures to facilitate easy click on affixation of & removal of cartridges.
- 4.0 Sample / Demo of equipment.**
Sample Should be got approved before bulk supply. Catalogue and operating manual of respirator shall be supplied along with offer.
- 5.0 Certificate/Approval**
The supplier shall submit documentary proof to confirm that the product supplied is ISI Marked/ NIOSH approved.
- 6.0 Packing**
The respirator shall be packed, supplied individually in suitable case/box. Operating / maintenance/ cleaning manual to be supplied with each respirators
- 7.0 Inspection**
Inspection will be carried out at our works with reference to the technical requirements and Certificates.
- 8.0 Marking**
The system shall be marked with
a). IS / NIOSH Mark
b). Supplier identity
- 9.0 Guarantee Certificate**
Guarantee Certificate to be given for any manufacturing defect along with its consignment for free replacement within six month from the date of receipt at our stores.

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CHECKED	PEEYUSH KUMAR PAL	SR. ENGINEER	<i>[Signature]</i>	13-11-19

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