

ANNEXURE-A

SWITCHGEAR ENGINEERING DIVISION

Scope Of supply: Supply of Hose Pipe assembly with adopter items (As per Table-A) to be used in Gas Insulated Switchgear (GIS). These items will be used in SF6 gas environment; hence precaution must be taken for safety. Equipment shall be suitable for evacuation, filling and monitoring the SF6 gas into electrical equipment especially high voltage CB, with working pressure of 10 Kg / cm sq. and working temperature of -40 to +80 degC

TABLE-A

ITEM NO.	ITEM DESCRIPTION
001	Hose assembly to rubber dia 16mm with adopter female DN8 with bottle male RH connection dia21.5
002	Hose assembly to rubber dia 16mm with adopter female DN8 x bottle connection female dia 22.7

2.0 DESCRIPTION:-

The equipment shall basically consist of -

- (1) Suitable Adopter
- (2) Hose Pipe.

3.0 MATERIAL:-

Adapter - Free cutting brass / stainless steel.
Hose Pipe - Rubber

4.0 FINISH:-

Natural finish for stainless steel.

5.0 TESTING:-

The full Hose Pipe assembly with Adopter should be tested for routine test (Internal test by supplier) at 15Kg/cm sq. pressure with SF6 gas and the leak rate should not be more than 10^{-9} cc per sec.

6.0 ACCEPTANCE:-

Based on the test conducted at supplier's work in presence of BHEL's representative as per clause (5) of the Annexure or based on the Test Certificate of the routine test conducted at supplier's works as per clause (5) of the specification, if so allowed through Purchase order

Report Format

- (1) Certificate of the material used. Test report to be enclosed.
- (2) Leakage test report. (Ref. Clause 5 of the Annexure).

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