

FOR E7293204

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

**VENDOR PRE-QUALIFICATION REQUIREMENTS**

ITEM 1: Buchholz Relay Testing Kit

PI No: 240694303

ITEM 2: Buchholz relay gas analyzer

S.N.	Criterion	Documents required along with bid for evaluation
	TECHNICAL	
1.1	Vendor or their principal have supplied minimum 2 sets (1 set each to 2 different customer/ utilities) of the quoted item for Power Transformers/ Reactors in the past 7 years from the date of Techno-Commercial bid opening.	1. Valid un-priced PO copies from 2 (Two) different customer/ utilities. 2. Performance Certificate or documentary proof (invoice/ LR/ TC) regarding satisfactory supply of the system from 2 different utilities.
1.2	Vendor should be OEM or their authorized representative.	In case of not directly quoted by OEM, authorization letter from OEM for quoting their system and after sales services to be submitted along with bid.
1.3	Should be in profit in at least 1 (one) Financial years out of last 3 years i.e. 2016-17, 2017-18, 2018-19	Company financial report with profit and loss statement of last 3 years i.e. 2016-17, 2017-18, 2018-19
2.1	Those vendors who are meeting the sl. No. 1.1 to 1.3 above shall be taken up for approval from end customer M/s. BIFPCL before price bid opening. Price bid of only BIFPCL approved vendors shall be opened.	-
	GENERAL	
3.1	BHEL reserves the right to verify information and documents submitted by the vendor. In case the information is found to be false/ incorrect, the offer shall be rejected. All documents should be in English language	-
3.2	New vendors who are not registered with BHEL, Bhopal to submit supplier registration form. This form is available on website www.bhel.com .	-

Note –

Sl. No. 3.2 is for information only

Signature & Seal of Vendor

ANNEXURE TO ENQ. E7293204

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
TRANSFORMER ENGINEERING DEPARTMENT

FORM NO: TRE-2003A

Sht 1 of 1 sheets

ANNEXURE TO INDENT-CUM-ENQUIRY - 240694303

DTD.:-

DESCRIPTION OF EQUIPMENT : BUCHHOLZ RELAY TESTING AND CHEMICAL ANALYSIS SET
FOR

1 No. 520 MVA, 3 PHASE AUTO TRANSFORMER.

WORK ORDER NO.

: 66002-X-512-01

CUSTOMER

: M/S BIFPCL for Maitree STPP, Bangladesh

SPECIFICATION OF BUCHHOLZ RELAY TESTING KIT AND CHEMICAL ANALYSIS SET

1. GENERAL

The Buchholz relay testing kit & Chemical analyzer shall be used for on site testing of Gas and oil operated Buchholz relay and chemical analysis of gases of buchholz relay. The buchholz relay testing and chemical analysis set consists of the following :

Equipment 1 : Buchholz Relay test Kit

Equipment 2 : Buchholz Relay gas analyzer

2. TECHNICAL PARAMETERS

A. Equipment 1 : Buchholz Relay test Kit

The system shall have manual operated (hand/foot) pump, dry air chamber, pressure gauge, valves, flexible hose etc. The complete unit must be self-contained in a rugged steel case with handle for easy transportation. The system shall be complete with all accessories & consist of the following:

1) Light duty cylindrical air-pump,

2) Compressed air cylinders, return valves, regulators,

- a) Moisture removal : The system should have rechargeable Silica gel to absorb the moisture from the air.
- b) Hose : 7-meter long flexible hose with fittings.

REV	DATE	ALT CKD	REV	DATE	ALT CKD	REV 00	NAME	SIGN	DATE
						PREP	C. Mondal	<i>Cm</i>	03.07.19
						CKD	K. G. Krishnan	<i>Celika</i>	03.07.19

DWI/TCB/TRE/010

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
TRANSFORMER ENGINEERING DEPARTMENT

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Sht 2 of 2 sheets

B. Equipment 2 : Buchholz Relay gas analyzer

The buchholz relay detects the gas evolution due to internal trouble and gives alarm and is suited to the detection of minor or slowly developing faults. The nature of the detected fault can be judged to an extent by analysing the gas and oil. The buchholz relay gas analyser test kit is used to test the gases in the buchholz relay for the presence of carbon monoxide and hydrogen. Hydrogen is indicator of the thermal fault & carbon monoxide indicates problem in paper insulation.

The system shall give qualitative indication of gases and shall be complete with accessories (including operation instruction, transportation case etc.).

The system shall be suitable for fixing on transformer buchholz relay vent plug

3. INSPECTION & DESPATCH

- a) Four sets of inspection, routine, acceptance and calibration test reports, operation and maintenance manual, descriptive catalogue/ leaflets shall be sent alongwith dispatch document. One set shall be supplied alongwith the equipment.
- b) The supplier shall furnish a list of all fittings and components in the dispatch details giving description and quantity of each item (Quantity of each item shall be mentioned). All items shall be properly packed in wooden boxes so as to avoid scratches/damage in transit.