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**PURCHASE SPECIFICATIONS**

**FOR**

**DEAD END AND FEED THRU PLUG & SOCKET**

**FOR**

**NEW AC-AC RIGS**



SPECIFICATION NO. : OR 12465  
REVISION NO. : Rev 00  
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**BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL**

## INTRODUCTION

This specification covers the requirement for supply of explosion proof, dust-explosion proof, Dead end and Feed thru plug & sockets suitable for Class 1, Div. 1 & 2 (IEC zone 1&2), gas group C & D (IEC IIA & IIB). The above requirement is for Northern, southern & eastern part of India in oil rig controls under dusty & humid conditions with relative humidity of 95% maximum.

### 1.0 Supply of Equipment:

Item No.	Description of equipment	Material Code
01	Plug 3 pin 20A, 240V AC of Appleton type no ECP-20232 or Crouse Hinds type no ENP6202 suitable for item no 02 & 03	BL9048493277
02	Feed Thru 2 way sockets 3 pin 20A, 240V AC, of Appleton type no EFSC-275-20232 or Crouse Hinds type no ENRC22202.	BL9048493250
03	Dead end 2 way sockets 3 pin 20A, 240V AC, of Appleton type no EFS-275-20232 or Crouse Hinds type no ENR22202.	BL9048493269

### 2.0 Delivery:

As per enquiry. However the delivery, Ex-works factory, should not exceed the date mentioned in enquiry incase PO is placed.

### 3.0 Offer & Prices

Offer should be given in two-bid system as per BHEL standard purchase procedures :

- 1) Technical & Commercial bid
- 2) Price bid

#### 3.1 Part A – Technical & commercial Bid

Shall contain all technical & commercial offers with respect to requirement of specification along with all the required documents to be submitted. Any deviation from the specification/commercial terms & condition shall be clearly mentioned. Unfilled price formats should be submitted with the bid. Suppliers may be asked to submit revised price bid in case of any change in technical specifications. Techno-commercial bid to be submitted in a separate sealed envelope clearly mentioning "TECHNICAL BID" and "ENQUIRY NO....." on the envelope.

#### 3.2 Part B – Price Bid

In price bid, supplier shall quote item wise price for supply of each item covered in BHEL enquiry in separate sealed envelope.  
Also refer annexure from MM department for test & conditions.

#### 4.0 Packing.

The supplier shall consign /ship the material in worthy packing conforming to the prescribed standards in force to withstand journey and ensuring the safety the cargo en-route and also arrival of materials at ultimate destination in good condition the consignment shall be insured against all risks by supplier from supplier works to BHEL works.

#### 5.0 All Correspondence to be addressed to

SR. MGR (MM) SCR  
BLOCK IV EAST ANNEXE,FF  
BHEL, BHOPAL – 462021  
Tel. No.: 0091-755-2503020  
hkhanna@bhelpl.co.in  
Contact Person: Ms. Halen Khanna

#### 6.0 Acceptance Inspection:

Acceptance Inspection & testing shall be carried out at supplier's facility by any of the third party mentioned below at no extra cost to BHEL. Inspection and Testing is to be carried out by any of the following agencies:

- A) Bureau Vertis(BV)
- B) Lloyd Register of shipping
- C) Det Norske Veritas,(DNV)
- D) ABS

TPI shall confirm the offered make, model and its parameters by :

- a. Visual inspection
- b. FAT Review
- c. Quantity check.
- d. Packing check.

#### 7.0 Application for DGMS approval:

Supplier to give undertaking that they will apply for DGMS approval for the offered items at no extra cost to BHEL.

#### 8.0 Warranty:

Every item of supply will have supplier's warranty. Supplier will warranty the products to be free from defects in materials and workmanship and to comply with specification. The warranty is to expire eighteen – (18) months after supply or 12 months after commissioning at BHEL customer site whichever is earlier. In case of repeated/type failures of the components of the system, warranty period shall be considered as extended for the time taken by the supplier to stabilize the system.