



BHARAT HEAVY ELECTRICALS LIMITED

TRANSMISSION BUSINESS ENGINEERING MANAGEMENT

DOCUMENT No.	TB-343-316-080-3	Rev. No.	00	Prepared	Checked	Approved
TYPE OF DOC.	TECHNICAL SPECIFICATION			SIGN	<i>[Signature]</i>	<i>[Signature]</i>
TITLE	WORKBENCH FOR MECHANICAL-ELECTRICAL MAINTENANCE WORKSHOP			NAME	SS	SKS
				DATE	30.10.17	30.10.17
				GROUP	TBEM	W.O. No
CUSTOMER	Power Grid Corporation of India Ltd					
PROJECT	±800KV, 6000MW, HVDC MULTI-TERMINAL NER/ER – NR/WR INTERCONNECTOR-I PROJECT					
CA NO.	C-61901R-S056-8/CA-II/3660 dated 22.12.2011 for On-Shore Supplies & C-61901R-S056-8/CA-IV/3662 dated 22.12.2011 for Services					
STATION	AGRA					

CONTENTS

Section	Description	No. of sheets
1	Scope, Bill of Quantities & Specific Technical Requirements	1
2	Equipment Specification	2
3	General Technical Requirements- Doc No. TB-343-316-000	1

Rev No.	Date	Altered	Checked	Approved	REVISION DETAILS			
Distribution	To	TBEM	TBMM	PG	Vendor			
	Copies	1	1	1	1			

COPYRIGHT AND CONFIDENTIALITY
The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD.
It must not be used directly or indirectly in anyway detrimental to the interest of the company



**±800KV, 6000MW, HVDC MULTI-TERMINAL NER/ER – NR/WR
INTERCONNECTOR-I PROJECT**

Workbench for Mechanical-Electrical Maintenance Workshop
Doc. No. : TB-343-316-080-3 Rev 00

SECTION-1

Scope, Quantities & Specific Technical Requirements

1.1 Scope

The scope of work includes manufacturing, assembly, inspection, packing, loading at works, and transportation to site of *Workbench for Mechanical-Electrical Maintenance Workshop* as mentioned in this section and in various other sections of this specification to Agra site. **The scope also includes complete assembly of workbench at site.**

Name of customer: Power Grid Corporation of India Ltd (POWERGRID)

Name of the project: ±800KV, 6000 MW, HVDC Multi-Terminal NER/ER–NR/WR
Interconnector-I Project

Project Site: Agra (AGR)

1.2 Bill of Quantities

S No.	DESCRIPTION	UNIT	QUANTITY
1	Workbench for Mechanical-Electrical Maintenance Workshop	No	1

1.3 Specific technical requirements

The specific design, surface preparation, finish and colour of workbench shall be subject to Employer's approval during detailed engineering stage.



SECTION-2

EQUIPMENT SPECIFICATION

The workbench shall have following features:

1. Multiplex Table top - dim. mm W=3000 D=800 H=50
2. Load capacity=800kG (min.)
3. perforated panels for tool hanging (Typical hole dim. 10x10 pitch 38 mm)
4. roller shutter cabinet with perforated panel
5. 25 nos. of hooks for tool hanging along with fixing hardware
6. Polypropylene containers –min. dim. mm. W=95 D=160 H=75 (4 nos.)
7. Polypropylene containers – min. dim. mm. W=140 D=230 H=130 (3 nos.)
8. Cast iron vice with rear opening system (Typical jaw width - dim. mm W=150 D=615 H=210) fixed on one corner of table
9. The shelf shall be adjustable type (min. 3 nos.)
10. Quantity of drawers =min. 3 nos. (with lock)
11. Power Distribution unit/ Power extension cord (min. 4 socket)
12. Arrangement for fixing tube light on top complete with all accessories and cabling (including LED tubelight).

A typical pictorial representation of the required workbench is given for reference as Figure

1. Vendor to submit their design drawing for approval.

Figure 1





**±800KV, 6000MW, HVDC MULTI-TERMINAL NER/ER – NR/WR
INTERCONNECTOR-I PROJECT**

Workbench for Mechanical-Electrical Maintenance Workshop
Doc. No. : TB-343-316-080-3 Rev 00

SECTION-3

GENERAL TECHNICAL REQUIREMENTS

Please refer Document **TB-343-316-000** for General Technical Requirements.

The generally applicable clauses (to the extent of nature of item under procurement) are:

3.1 to 3.9, 3.12 to 3.14, 3.18, 3.20 to 3.23.