

PREFERRED MAKE LIST – BHEL
NMDC LIMITED, NAGARNAR

	Form No.  HYDERABAD	PRODUCT STANDARD PROJECT ENGINEERING HYDERABAD	ANNEXURE-3 TO PY-55127 REV NO. 00 Page 1 of 4																																																					
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED . It must not be used directly or indirectly in any way detrimental to the interest of the company.	PROJECT: TURBO BLOWER STATION (Package-010A) CUSTOMER: M/s NMDC LIMITED, 3.0MTPY INTEGRATED STEEL PLANT, NAGARNAR, CHHATTISHGARH CONSULTANT: M/s MECON, RANCHI <u>SUB-VENDOR LIST FOR ELECTRICAL COMPONENTS</u> Sub vendors for the LT switchgear components shall be as per the following list:																																																							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sl.No.</th> <th style="width: 35%;">ITEM</th> <th style="width: 55%;">RECOMMENDED ELECTRICAL VENDOR</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Air Circuit Breaker</td> <td>L&T/ SIEMENS/ SCHNEIDER/ ABB/ GE POWER CONTROL/</td> </tr> <tr> <td>2.</td> <td>Intelligent Controller</td> <td>Siemens, Schneider, L&T, Rockwell Automation.</td> </tr> <tr> <td>3.</td> <td>PROTECTION RELAYS (NUMERIC RELAYS)</td> <td>ABB/ SIEMENS/ L&T/ AREVA/ SCHNEIDER/ EASUN REROYLLE</td> </tr> <tr> <td>4.</td> <td>PROTECTION RELAYS/ AUXILIARY RELAYS (E/M)</td> <td>AREVA (VAJC)/ ABB/ SIEMENS/ AREVA/ EASUN REROYLLE.</td> </tr> <tr> <td>5.</td> <td>SOFT STARTERS</td> <td>ABB/ ROCKWELL AUTOMATION/ BHEL/ SIEMENS/ INNOVATIVE TECHNOMICS/ SCHNEIDER (Only for LT motor)</td> </tr> <tr> <td>6.</td> <td>Annunciators</td> <td>MINILEC/ SPA/ PROCON/ YASHMUN/ PYROTECH (UDAIPUR)</td> </tr> <tr> <td>7.</td> <td>Panel / Indicating meters</td> <td>IMP/ AE/ MECO/ L&T/ MOTWANI/ CONZERVE/ RISHAB INSTRUMENTS/ SECURE METERS/ ABB/ SIEMENS/ EMERSON/ RAIL/ TOSHNIWAL INDIA/ ENERCON/ AREVA/ KAPPA</td> </tr> <tr> <td>8.</td> <td>Earth Leakage Circuit Breaker</td> <td>GE POWER CONTROL/ STANDARD/ HAVELLS/ABB / SIEMENS/ SCHNEIDER/ MDS (LEGRAND) /L&T/ INDOASIAN</td> </tr> <tr> <td>9.</td> <td>Fuses</td> <td>GE POWERCONTROL/ L&T/ SIEMENS/ INDO ASIAN/ HAVELLS/ STANDARD/ BUSSMAN/ CONTROL & SWITCH GEAR/ ABB/ AREVA</td> </tr> <tr> <td>10.</td> <td>Heavy duty switches</td> <td>Controls & Switchgear, Indo Asian Fusegear, L&T, Siemens, Schneider Electric</td> </tr> <tr> <td>11.</td> <td>MCBs</td> <td>SIEMENS/ L&T/ GE POWER CONTROL/ SCHNEIDER (PROTEC / MG)/ STANDARD/ INDOASIAN/ HAVELLS/ MDS (LEGRAND)/ ABB</td> </tr> <tr> <td>12.</td> <td>MCCBs</td> <td>SCHNEIDER (MG)/ L&T/ ABB/ SIEMENS/ GE POWER CONTROL / BCH</td> </tr> <tr> <td>13.</td> <td>Meters</td> <td>Automatic Electric, Areva T&D India Ltd, Meco Instruments, Nippen Electrical Instruments, Rishabh</td> </tr> <tr> <td>14.</td> <td>Transducers</td> <td>Automatic Electric Ltd., Elster, Rishabh</td> </tr> <tr> <td>15.</td> <td>DIGITAL TYPE MULTI-FUNCTION METER</td> <td>CONSERVE/ L&T/ SECURE/ RISHABH/ SIEMENS/ ABB</td> </tr> <tr> <td>16.</td> <td>ELECTRONIC ENERGY METERS (TRIVECTOR / KWH)</td> <td>SEMS/ L&T/ SATEC/ CONZERVE/ DUKATI/ ABB/ SIEMENS/ AREVA/ SCHNEIDER</td> </tr> <tr> <td>17.</td> <td>Timers</td> <td>Bhartia, Electronic Automation, L&T, Siemens</td> </tr> </tbody> </table>			Sl.No.	ITEM	RECOMMENDED ELECTRICAL VENDOR	1.	Air Circuit Breaker	L&T/ SIEMENS/ SCHNEIDER/ ABB/ GE POWER CONTROL/	2.	Intelligent Controller	Siemens, Schneider, L&T, Rockwell Automation.	3.	PROTECTION RELAYS (NUMERIC RELAYS)	ABB/ SIEMENS/ L&T/ AREVA/ SCHNEIDER/ EASUN REROYLLE	4.	PROTECTION RELAYS/ AUXILIARY RELAYS (E/M)	AREVA (VAJC)/ ABB/ SIEMENS/ AREVA/ EASUN REROYLLE.	5.	SOFT STARTERS	ABB/ ROCKWELL AUTOMATION/ BHEL/ SIEMENS/ INNOVATIVE TECHNOMICS/ SCHNEIDER (Only for LT motor)	6.	Annunciators	MINILEC/ SPA/ PROCON/ YASHMUN/ PYROTECH (UDAIPUR)	7.	Panel / Indicating meters	IMP/ AE/ MECO/ L&T/ MOTWANI/ CONZERVE/ RISHAB INSTRUMENTS/ SECURE METERS/ ABB/ SIEMENS/ EMERSON/ RAIL/ TOSHNIWAL INDIA/ ENERCON/ AREVA/ KAPPA	8.	Earth Leakage Circuit Breaker	GE POWER CONTROL/ STANDARD/ HAVELLS/ABB / SIEMENS/ SCHNEIDER/ MDS (LEGRAND) /L&T/ INDOASIAN	9.	Fuses	GE POWERCONTROL/ L&T/ SIEMENS/ INDO ASIAN/ HAVELLS/ STANDARD/ BUSSMAN/ CONTROL & SWITCH GEAR/ ABB/ AREVA	10.	Heavy duty switches	Controls & Switchgear, Indo Asian Fusegear, L&T, Siemens, Schneider Electric	11.	MCBs	SIEMENS/ L&T/ GE POWER CONTROL/ SCHNEIDER (PROTEC / MG)/ STANDARD/ INDOASIAN/ HAVELLS/ MDS (LEGRAND)/ ABB	12.	MCCBs	SCHNEIDER (MG)/ L&T/ ABB/ SIEMENS/ GE POWER CONTROL / BCH	13.	Meters	Automatic Electric, Areva T&D India Ltd, Meco Instruments, Nippen Electrical Instruments, Rishabh	14.	Transducers	Automatic Electric Ltd., Elster, Rishabh	15.	DIGITAL TYPE MULTI-FUNCTION METER	CONSERVE/ L&T/ SECURE/ RISHABH/ SIEMENS/ ABB	16.	ELECTRONIC ENERGY METERS (TRIVECTOR / KWH)	SEMS/ L&T/ SATEC/ CONZERVE/ DUKATI/ ABB/ SIEMENS/ AREVA/ SCHNEIDER	17.	Timers
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