

TD-201 Rev No. 00	Form No.	 	PRODUCT STANDARD PROJECT ENGINEERING & SYSTEMS DIVISION, HYDERABAD	ANNEXURE-13 to PY55223
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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. ANNEXURE-13 TO PY55223 DOCUMENTS TO BE SUBMITTED AFTER AWARD OF CONTRACT PROJECT 40MW CDQ WASTE HEAT RECOVERY CO-GENERATION POWER PLANT CUSTOMER M/S TATA STEEL LIMITED, JAMSHEDPUR CONSULTANT TATA CONSULTING ENGINEERS, KOLKATA				

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1. DOCUMENTS TO BE SUBMITTED DURING DETAILED ENGINEERING

S/N	Description	Category	Initial Submission	Revised Drawings Submission	Final Submission
1	Data Sheets (Annexure-1B & Annexure-2B)	Approval	10 sets	3 sets	10 sets
2	General Arrangement, Foundation Plan & Loading Details Drawing	Approval	10 sets	3 sets	10 sets
3	Single Line Diagrams	Approval	10 sets	3 sets	10 sets
4	Heat Load Details	Review	10 sets	3 sets	10 sets
5	Bus bar Sizing Calculations	Review	10 sets	3 sets	10 sets
6	Schematic & Wiring Diagrams	Approval	10 sets	3 sets	10 sets
7	Block Logic Diagrams	Approval	10 sets	3 sets	10 sets
8	Quality Plan	Approval	10 sets	3 sets	10 sets
9	Commissioning Spares List	Review	1 set	3 sets	Nil
10	Mandatory Spares List	Review	1 set	3 sets	Nil
11	List of Tools & Tackles	Review	1 set	3 sets	Nil
12	List of Cable Accessories (Glands & Lugs)	Review	1 set	3 sets	Nil
13	Packing List	Review	Nil	Nil	3 sets
14	DC Starter Resistance Sizing Calculation	NA	1 set	Nil	10 sets
15	Catalogues/ Drawings for Module Components (Refer Note)	Info	1 set	Nil	10 sets
16	Type Test Certificates	Review	3 sets	Nil	10 sets
17	Inspection Test Reports	Review	Nil	Nil	10 sets
18	Switchboards Erection & Commissioning Manual	Info	Nil	Nil	10 sets
19	Numerical Relays and Intelligent System Erection & Commissioning Manual	NA	3 sets	Nil	10 sets

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20	Operation & Maintenance Manuals	Info	Nil	Nil	10 sets
21	As-Manufactured Drawings	Review	Nil	Nil	10 sets

NOTE:
Components include Breakers, Contactors, SFU, OLRs, Fuses, Instrument Transformers, Relays (Numerical, Static and Electromechanical) and Meters (Analog and Digital) etc.

2. FINAL HANDING OVER DOCUMENTATION

In addition to above, final handing over documentation in neatly bound volumes shall be made in 12 sets of hard copies and 3 sets of CDs for the End User. It shall include the following:

- ✓ O&M Manuals for Switchgear and Intelligent System.
- ✓ “As-Built” Drawings (incorporating site modifications, if any)
- ✓ Data Sheets
- ✓ Test Certificates
- ✓ Guarantee Certificates
- ✓ Component Catalogues with Makes and Contact Details.

3. DOCUMENTATION ALONG WITH THE CONSIGNMENT

Two sets of As-Manufactured Drawings, Inspection Test Reports and O&M and Commissioning Manuals shall be dispatched along with the consignment. The same shall also be listed in the packing list.