

REG.NO 61 /2013/E

MULTISTAGE THERMOCOUPLES FOR UNIT 3402 & UNIT 3404			
ITEM	VOCAB NO.	Description	QTY
1	3695050183	TI 501 -5 Through TI501-7 (3 Point multistage thermocouple assembly for measuring of temperature inside the reactor 501-D)	1
2	3695050203	TI 501 -8 Through TI501-10 (3 Point multistage thermocouple assembly for measuring of temperature inside the reactor 501-D)	1
3	3695050223	TI 501 -11 Through TI501-13 (3 Point multistage thermocouple assembly for measuring of temperature inside the reactor 501-D)	2
4	3695050853	TI 501 -16 Through TI501-19 (4 Point multistage thermocouple assembly for measuring of temperature inside the reactor 502-D)	2
5	369505873	TI 501 -20 Through TI501-23 (4 Point multistage thermocouple assembly for measuring of temperature inside the reactor 502-D)	2
6	3695050903	TI 501 -24 Through TI501-27 (4 Point multistage thermocouple assembly for measuring of temperature inside the reactor 502-D)	1
7	3695051553	TI 501 -30 Through TI501-34 (5 Point multistage thermocouple assembly for measuring of temperature inside the reactor 503-D)	2
8	3695051563	TI 501 -35 Through TI501-39 (5 Point multistage thermocouple assembly for measuring of temperature inside the reactor 503-D)	2
9	3695051573	TI 501 -40 Through TI501-44 (5 Point multistage thermocouple assembly for measuring of temperature inside the reactor 503-D)	2
10	3695052103	TI201 -5 Through TI201-11 (7 Point multistage thermocouple assembly for measuring of temperature inside the reactor 201-D)	1

- 1) Maximum operating temperature for Items (1 to 6) = 530°C & for Items (7 to 9) = 525°C & for Item (10) = 480°C.
- 2) Thermocouple assembly to be fitted into a well of (45 mm) inner diameter.
- 3) Spacing rings diameter (42mm)
- 4) ITEMS (1 to 10) mineral insulated thermocouples type(Chromel – Alumel) **type "K"** protecting tubes,
- 5) Assembly with connection box including gas flashing connections, electrical connection size 3/4" with extension length 250mm ,flange size 2"× 150 RF .
- 6) Compensating terminal = **type "T"**
- 7) The sensor element of thermocouple must be attached the thermo well side and this to be clear At the drawing of the offer.
- 8) **FAT** at Manufacture Company by two persons for two days.
- 9) **Maker: ABB, THORMOELECTRA.**
- 10) **ORIGIN: Europe community, JAPAN, CANADA, AUSTRALIA, USA.**
- 11) Attachments PDF file for reactors (501-D, 502-D, 503-D, and 201-D).