

ANNEXURE-A
PACKAGE-A:BOQ FOR PRE FORMED PIPE SECTIONS OF CALCIUM SILICATE THERMAL INSULATION

PROJECT-TCL MITHAPUR-R02

PACKAGE A:BOQ FOR THERMAL INSULATION PACKAGE(PRE FORMED CALCIUM SILICATE PIPE SECTIONS)

SL NO	LINE NUMBER	OPER TEMP(DEG C)	SIZE 1	SIZE 2	INS THK	PIPE LEN(M)	ELBOW 90 DEG	ELBOW 45DEG	TEE	RDCR	CAP	FLANGE	OLET	VALVE	GAUGE 1/2"
1	12-MS-01-1101-55C-IH	510	12	10	200	115	25	2	1	1				2	10
2	12-MS-01-1101-55C-IH	510	12	8	200				1	1					
3	12-MS-01-1101-55C-IH	510	8	1.5	175	3					1	1			
4	12-MS-01-1101-55C-IH	510	10		200	6	1		1						
5	2-DR-01-1102-64C-IH	510	2		140	120	25							8	
6	1.5-DR-01-1103-64C-IH	510	1.5		25	50	15							2	
7	1-DR-11-1107-64C-IH/MISC	510	1		25	120	30							15	
8	2-MS-01-1104-64C-IH	510	2	1	140	15	7		1	1				2	
9	6-V-01-1105-14B-IS	-	6	3	25	28	6			1					
10	6-V-01-1105-14B-IS	-	3	2	25					1					
11	18-LS-01-1112-34C-IH	360	18	16	180	24	5			2					15
12	18-LS-01-1112-34C-IH	360	16	10	180					1				1	
13	18-LS-01-1112-34C-IH	360	10		180							1			
14	18-LS-01-1112-34C-IH	360	8		130	1					1		2		
15	18-LS-01-1116-24C-IH	360	18	16	180	50	6		1	1				1	
16	18-LS-01-1116-24C-IH	360	6		130	12	5							2	
17	18-LS-01-1116-24C-IH	360	8		130	1					1		2		
18	18-LS-01-1117-24C-IH	360	18		180	50	10		1					1	
19	18-LS-01-1117-24C-IH	360	18	14	180					2					
20	18-LS-01-1117-24C-IH	360	14		150	10									
21	18-LS-01-1117-24C-IH	360	8		130	2					1				
22	18-LS-01-1118-24C-IH	360	18	14	180	56	7	6		1				1	
23	18-LS-01-1118-24C-IH	360	8		130	2					1				
24	1.5-DR-11-6112-33C-IS	360	1.5		25	60	15							1	
25	1-DR-11-6110-33C-IS	360	1		25	150	40		10					15	
26	1-DR-11-1121,1124,1115-11B-IS	-	1		25	150	30								
27	4-LS-11-1108-34C-IH	442	4		125	8	5					1			2
28	4-LS-11-1108-34C-IH	442	1		80	50	10							1	
29	4-LS-01-1109-24C-IH	425	4	3	125	5		2		1					
30	4-LS-01-1109-24C-IH	425	3		125							1			
31	4-LS-01-1110-24C-IH	338	4	3	125	5	3			1					
32	4-LS-01-1110-24C-IH	338	3		125							1			
33	4-LS-01-1110-24C-IH	338	6	4	140	4	2		1	2					3
34	4-LS-01-1110-24C-IH	338	1		80	40	15		1					4	
35	6-LS-11-1111-21C-IH	375	6		140	36	8		2					2	5
36	6-LS-11-1111-21C-IH	375	1		80	50	10							4	
37	6-LS-11-1125-11C-IH	170	6		125	24	9		1				2		2
38	6-LS-01-1119/1122-33C-IH	360	6		140							2		2	
39	6-LS-01-1119/1122-33C-IH	360	8		25	1	2					2			
40	12-SV-01-1120/1123-11B-IS	-	12		25	60	10	4							
41	6-LS-01-1113-34C-IH	360	6		115	18	6					2		2	
42	12-V-01-1114-14B-IS	-	12	6	25	26	4			1					

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SL NO	LINE NUMBER	OPER TEMP(DEG C)	SIZE 1	SIZE 2	INS THK	PIPE LEN(M)	ELBOW 90 DEG	ELBOW 45DEG	TEE	RDCR	CAP	FLANGE	OLET	VALVE	GAUGE 1/2"
43	4-GS-11-6101-13B-IH	430	4	3	125	6				1					3
44	4-GS-11-6101-13B-IH	430	6	4	125					1					
45	4-GS-11-6101-13B-IH	430	3		125							1			
46	4-GS-11-6102-13B-IH	400	4	3	125	6	3	1		1					
47	4-GS-11-6102-13B-IH	400	6	4	125					1					
48	4-GS-11-6102-13B-IH	400	3		125							1			
49	6-GS-11-6103-13B-IH	430	6		125	3			1						
50	6-GS-11-6104/6106-11B-IH	400	6		125	15	7		3						3
51	6-GS-11-6104/6106-11B-IH	400	1		75	60	20							1	
52	6-GS-11-6105-11B-IH	400	6		25	20	5							1	
53	N4 & N5 drains to flash tank	450	1		90	100	40							4	
54	GSC	400	20		160	6						6			5
55	2-DR-11-1213-11B-IS	98	2		25	20	5							1	
56	2-DR-11-1201/1202/1203-11B-IS	98	2		25	15	4		1					4	
57	1.5-CD-11-1204/1205/1206-11B-IS	98	1.5		25	50	4							5	
58	4-V-11-1212-11B	100	4		25	10	6		1					2	
59	4-V-11-1212-11B	100	6	4	25					2		2			
60	6-V-11-1210/1211-11B	100	6		25	48	7	2							

Note :

1.Size 1 refers to the main pipe size and Size 2 refers to branch pipe/reducer size

ANNEXURE-A
PACKAGE-B: BOQ FOR INSULATION ANCILLARIES

Project: Tata Chemicals Ltd, Mithapur
PACKAGE-B: BOQ FOR INSULATION ANCILLARIES

S.NO	ITEM DESCRIPTION	UOM	Qty
1	Calcium silicate powder	Kgs	4000
2	Sodium silicate powder	Kgs	750
3	20SWG GI Wire	Kgs	120
4	20SWG SS Wire	Kgs	120
5	1/2"x24SWG SS Bands - Insulation-20 mm wide	Kgs	1260
6	1/2"x24SWG SS Bands - Cladding--20 mm wide	Kgs	360
7	Self Tapping Screws -Stainless Steel	Nos	31240
8	Quick Release toggles	Nos	710
9	Elastomeric Sealing compound	Kgs	170
10	Securing Seals	Nos	7580
11	Black Bituminous Paint	Ltrs	480