

ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	1
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-2I0048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART -1 PIPE DIMENSION REPORT

DESCRIPTION				SIZE	OD(MM)		THICKNESS(MM)		LENGTH(MM)	
					SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
PIPE										
1	SET 1	OF	1	750	768	768.2	9	9.1	8135	8136.0
	SET 2	OF	1	750	768	768.2	9	9.1	8685	8687.0
2	SET 1	OF	2	750	768	768.4	9	9.2	8135	8136.0
	SET 2	OF	2	750	768	768.2	9	9.1	8685	8687.0
3	SET 1	OF	3	750	768	768.4	9	9.2	8135	8137.0
	SET 2	OF	3	750	768	768.4	9	9.2	8685	8686.0
4	SET 1	OF	4	750	768	768.4	9	9.2	8135	8136.0
	SET 2	OF	4	750	768	768.2	9	9.1	8685	8687.0
5	SET 1	OF	5	750	768	768.2	9	9.1	8135	8136.0
	SET 2	OF	5	750	768	768.4	9	9.2	8685	8687.0
6	SET 1	OF	6	750	768	768.4	9	9.2	8135	8137.0
	SET 2	OF	6	750	768	768.4	9	9.2	8685	8686.0
7	SET 1	OF	7	750	768	768.6	9	9.3	8135	8136.0
	SET 2	OF	7	750	768	768.6	9	9.3	8685	8687.0
8	SET 1	OF	8	750	768	768.2	9	9.1	8135	8137.0
	SET 2	OF	8	750	768	768.2	9	9.1	8685	8686.0
9	SET 1	OF	9	750	768	768.4	9	9.2	8135	8137.0
	SET 2	OF	9	750	768	768.4	9	9.2	8685	8687.0
10	SET 1	OF	10	750	768	768.2	9	9.1	8135	8136.0
	SET 2	OF	10	750	768	768.2	9	9.1	8685	8686.0

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



FOR, ARC INSULATION & INSULATORS PVT LTD.

ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	2
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART -1 PIPE DIMENSION REPORT

DESCRIPTION				SIZE	OD(MM)		THICKNESS(MM)		LENGTH(MM)	
PIPE					SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
11	SET 1	OF	11	750	768	768.2	9	9.1	8135	8136.0
	SET 2	OF	11	750	768	768.2	9	9.1	8685	8687.0
12	SET 1	OF	12	750	768	768.4	9	9.2	8135	8136.0
	SET 2	OF	12	750	768	768.2	9	9.1	8685	8687.0
13	SET 1	OF	13	750	768	768.4	9	9.2	8135	8137.0
	SET 2	OF	13	750	768	768.4	9	9.2	8685	8686.0
14	SET 1	OF	14	750	768	768.4	9	9.2	8135	8136.0
	SET 2	OF	14	750	768	768.2	9	9.1	8685	8687.0
15	SET 1	OF	15	750	768	768.2	9	9.1	8135	8136.0
	SET 2	OF	15	750	768	768.4	9	9.2	8685	8687.0
16	SET 1	OF	16	750	768	768.4	9	9.2	8135	8136.0
	SET 2	OF	16	750	768	768.4	9	9.2	8685	8687.0
17	SET 1	OF	17	750	768	768.6	9	9.3	8135	8137.0
	SET 2	OF	17	750	768	768.6	9	9.3	8685	8686.0
18	SET 1	OF	18	750	768	768.2	9	9.1	8135	8137.0
	SET 2	OF	18	750	768	768.2	9	9.1	8685	8686.0
19	SET 1	OF	19	750	768	768.4	9	9.2	8135	8137.0
	SET 2	OF	19	750	768	768.4	9	9.2	8685	8687.0
20	SET 1	OF	20	750	768	768.2	9	9.1	8135	8136.0
	SET 2	OF	20	750	768	768.2	9	9.1	8685	8686.0

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FOR, ARC INSULATION & INSULATORS PVT LTD.

ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	3
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-2I0048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART 2 -FLANGE DIMENSION REPORT

DESCRIPTION		SPECIFIED						OBSERVED					
FLANGES		NB	OD	PCD	NOH	HOLE DIA	THK	NB	OD	PCD	NO OF HOLES	HOLE DIA	THK
1	FLANGE 1	750	985	914	28	35	62.5	750	986	914	28	35.5	63
2	FLANGE 2	750	985	914	28	35	62.5	750	986	914	28	35.2	63
3	FLANGE 3	750	985	914	28	35	62.5	750	985	914	28	35.1	64
4	FLANGE 4	750	985	914	28	35	62.5	750	985	914	28	35.5	63
5	FLANGE 5	750	985	914	28	35	62.5	750	985	914	28	35.1	63
6	FLANGE 6	750	985	914	28	35	62.5	750	986	914	28	35.2	64
7	FLANGE 7	750	985	914	28	35	62.5	750	986	914	28	35.2	64
8	FLANGE 8	750	985	914	28	35	62.5	750	985	914	28	35.1	63
9	FLANGE 9	750	985	914	28	35	62.5	750	985	914	28	35.5	63
10	FLANGE 10	750	985	914	28	35	62.5	750	986	914	28	35.5	63
11	FLANGE 11	750	985	914	28	35	62.5	750	985	914	28	35.2	64
12	FLANGE 12	750	985	914	28	35	62.5	750	985	914	28	35.1	63
13	FLANGE 13	750	985	914	28	35	62.5	750	986	914	28	35.5	63
14	FLANGE 14	750	985	914	28	35	62.5	750	986	914	28	35.1	64
15	FLANGE 15	750	985	914	28	35	62.5	750	986	914	28	35.2	63
16	FLANGE 16	750	985	914	28	35	62.5	750	985	914	28	35.2	63
17	FLANGE 17	750	985	914	28	35	62.5	750	985	914	28	35.1	63
18	FLANGE 18	750	985	914	28	35	62.5	750	986	914	28	35.5	64
19	FLANGE 19	750	985	914	28	35	62.5	750	985	914	28	35.5	63
20	FLANGE 20	750	985	914	28	35	62.5	750	986	914	28	35.2	64

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



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	CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	4
	TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
	PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
	DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART - 3 HOLE DIMENSION REPORT

	DESCRIPTION	DIA 1		LENGTH		DIA 2		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 1	PIPE								
	FLANGE FACE TO 1ST HOLE	274+/-1	273	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	273	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	274	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	274	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	274	5932	5932	95+/-1	95	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	275	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	96	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	94	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
FLANGE FACE TO 16TH HOLE	274+/-1	275	16353	16353	95+/-1	95	16353	16353	
SET 2	FLANGE FACE TO 1ST HOLE	274+/-1	275	1047	1047	95+/-1	96	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	274	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	275	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	275	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	275	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	273	5932	5932	95+/-1	96	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	273	7316	7316	95+/-1	94	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	96	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	96	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	95	16353	16353

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	5
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVEMENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART - 3 HOLE DIMENSION REPORT

	DESCRIPTION	DIA 1		LENGTH		DIA 2		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 3	PIPE								
	FLANGE FACE TO 1ST HOLE	274+/-1	273	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	273	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	274	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	274	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	274	5932	5932	95+/-1	95	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	275	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	96	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	94	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
FLANGE FACE TO 16TH HOLE	274+/-1	275	16353	16353	95+/-1	95	16353	16353	
SET 4	FLANGE FACE TO 1ST HOLE	274+/-1	274	1047	1047	95+/-1	96	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	274	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	275	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	275	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	275	5932	5932	95+/-1	95	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	273	7316	7316	95+/-1	96	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	96	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	96	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	96	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	95	16353	16353

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	6
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART - 3 HOLE DIMENSION REPORT

	DESCRIPTION	DIA 1		LENGTH		DIA 2		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 5	PIPE								
	FLANGE FACE TO 1ST HOLE	274+/-1	273	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	273	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	273	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	274	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	273	5199	5199	95+/-1	96	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	274	5932	5932	95+/-1	94	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	275	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	96	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	94	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
FLANGE FACE TO 16TH HOLE	274+/-1	275	16353	16353	95+/-1	95	16353	16353	
SET 6	FLANGE FACE TO 1ST HOLE	274+/-1	275	1047	1047	95+/-1	96	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	274	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	273	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	273	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	274	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	273	5932	5932	95+/-1	96	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	274	7316	7316	95+/-1	94	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	96	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	96	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	95	16353	16353

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402

ARC INSULATIONS AND INSULATORS PVT LTD



	CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	7
	TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
	PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
	DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART - 3 HOLE DIMENSION REPORT

	DESCRIPTION	DIA 1		LENGTH		DIA 2		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 7	PIPE								
	FLANGE FACE TO 1ST HOLE	274+/-1	273	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	273	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	273	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	274	5199	5199	95+/-1	96	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	273	5932	5932	95+/-1	95	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	275	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	95	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	96	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	94	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
FLANGE FACE TO 16TH HOLE	274+/-1	275	16353	16353	95+/-1	95	16353	16353	
SET 8	FLANGE FACE TO 1ST HOLE	274+/-1	275	1047	1047	95+/-1	96	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	274	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	275	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	275	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	275	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	273	5932	5932	95+/-1	96	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	273	7316	7316	95+/-1	94	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	274	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	273	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	274	10084	10084	95+/-1	95	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	275	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	95	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	95	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	95	16353	16353

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	8
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT PART - 3 HOLE DIMENSION REPORT

	DESCRIPTION	DIA 1		LENGTH		DIA 2		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 9	PIPE								
	FLANGE FACE TO 1ST HOLE	274+/-1	273	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	273	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	274	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	274	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	274	5932	5932	95+/-1	95	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	275	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	274	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	96	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	274	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	94	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	275	15620	15620	95+/-1	95	15620	15620
FLANGE FACE TO 16TH HOLE	274+/-1	275	16353	16353	95+/-1	95	16353	16353	
SET 10	FLANGE FACE TO 1ST HOLE	274+/-1	275	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	274	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	275	3164	3164	95+/-1	96	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	275	3897	3897	95+/-1	96	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	275	5199	5199	95+/-1	96	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	273	5932	5932	95+/-1	96	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	274	7316	7316	95+/-1	94	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	274	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	274	9351	9351	95+/-1	95	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	274	10084	10084	95+/-1	95	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	275	11468	11468	95+/-1	95	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	96	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	96	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	96	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	95	16353	16353

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	9
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART - 3 HOLE DIMENSION REPORT

	DESCRIPTION	DIA 1		LENGTH		DIA 2		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 11	PIPE								
	FLANGE FACE TO 1ST HOLE	274+/-1	273	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	273	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	274	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	274	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	274	5932	5932	95+/-1	95	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	275	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	274	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	274	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	274	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	95	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	95	15620	15620
FLANGE FACE TO 16TH HOLE	274+/-1	275	16353	16353	95+/-1	95	16353	16353	
SET 12	FLANGE FACE TO 1ST HOLE	274+/-1	274	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	274	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	274	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	275	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	273	5932	5932	95+/-1	96	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	273	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	274	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	274	9351	9351	95+/-1	95	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	274	10084	10084	95+/-1	95	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	274	11468	11468	95+/-1	95	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	96	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	96	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	95	16353	16353

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	10
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT PART - 3 HOLE DIMENSION REPORT

	DESCRIPTION	DIA 1		LENGTH		DIA 2		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 13	FLANGE FACE TO 1ST HOLE	274+/-1	273	1047	1047	95+/-1	94	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	273	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	96	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	274	3897	3897	95+/-1	96	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	274	5199	5199	95+/-1	96	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	274	5932	5932	95+/-1	95	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	275	7316	7316	95+/-1	96	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	96	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	94	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	95	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	96	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	274	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	96	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	274	15620	15620	95+/-1	95	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	275	16353	16353	95+/-1	96	16353	16353
SET 14	FLANGE FACE TO 1ST HOLE	274+/-1	275	1047	1047	95+/-1	96	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	275	1760	1760	95+/-1	96	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	275	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	275	3897	3897	95+/-1	96	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	275	5199	5199	95+/-1	96	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	274	5932	5932	95+/-1	94	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	274	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	274	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	275	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	275	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	96	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	96	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	95	16353	16353

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402

ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	11
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART - 3 HOLE DIMENSION REPORT

	DESCRIPTION	DIA 1		LENGTH		DIA 2		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 15	PIPE								
	FLANGE FACE TO 1ST HOLE	274+/-1	273	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	273	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	274	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	274	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	274	5932	5932	95+/-1	95	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	275	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	96	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	94	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
FLANGE FACE TO 16TH HOLE	274+/-1	275	16353	16353	95+/-1	95	16353	16353	
SET 16	FLANGE FACE TO 1ST HOLE	274+/-1	275	1047	1047	95+/-1	96	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	274	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	275	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	275	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	275	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	273	5932	5932	95+/-1	96	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	273	7316	7316	95+/-1	94	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	96	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	96	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	95	16353	16353

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	12
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT PART - 3 HOLE DIMENSION REPORT

	DESCRIPTION	DIA 1		LENGTH		DIA 2		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 17	PIPE								
	FLANGE FACE TO 1ST HOLE	274+/-1	273	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	273	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	274	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	274	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	274	5932	5932	95+/-1	95	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	275	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	95	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	95	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	95	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	95	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	273	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	274	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	95	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	274	15620	15620	95+/-1	95	15620	15620
FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	96	16353	16353	
SET 18	FLANGE FACE TO 1ST HOLE	274+/-1	275	1047	1047	95+/-1	96	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	275	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	275	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	273	3897	3897	95+/-1	95	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	275	5199	5199	95+/-1	95	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	273	5932	5932	95+/-1	95	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	273	7316	7316	95+/-1	96	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	274	7935	7935	95+/-1	96	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	274	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	274	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	274	11468	11468	95+/-1	95	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	275	12201	12201	95+/-1	95	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	275	13503	13503	95+/-1	96	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	275	14236	14236	95+/-1	96	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	95	16353	16353

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



ARC INSULATIONS AND INSULATORS PVT LTD



CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	13
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
DRG. NO.	23-210048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT PART - 3 HOLE DIMENSION REPORT

	DESCRIPTION	DIA 1		LENGTH		DIA 2		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 19	PIPE								
	FLANGE FACE TO 1ST HOLE	274+/-1	273	1047	1047	95+/-1	95	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	273	1760	1760	95+/-1	95	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	274	3164	3164	95+/-1	96	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	274	3897	3897	95+/-1	96	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	274	5199	5199	95+/-1	96	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	274	5932	5932	95+/-1	96	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	275	7316	7316	95+/-1	95	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	94	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	94	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	96	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	96	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	95	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	94	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	274	15620	15620	95+/-1	94	15620	15620
FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	96	16353	16353	
SET 20	FLANGE FACE TO 1ST HOLE	274+/-1	274	1047	1047	95+/-1	96	1047	1047
	FLANGE FACE TO 2ND HOLE	274+/-1	274	1760	1760	95+/-1	96	1760	1760
	FLANGE FACE TO 3RD HOLE	274+/-1	275	3164	3164	95+/-1	95	3164	3164
	FLANGE FACE TO 4TH HOLE	274+/-1	275	3897	3897	95+/-1	94	3897	3897
	FLANGE FACE TO 5TH HOLE	274+/-1	275	5199	5199	95+/-1	94	5199	5199
	FLANGE FACE TO 6TH HOLE	274+/-1	273	5932	5932	95+/-1	96	5932	5932
	FLANGE FACE TO 7TH HOLE	274+/-1	273	7316	7316	95+/-1	96	7316	7316
	FLANGE FACE TO 8TH HOLE	274+/-1	275	7935	7935	95+/-1	96	7935	7935
	FLANGE FACE TO 9TH HOLE	274+/-1	275	9351	9351	95+/-1	96	9351	9351
	FLANGE FACE TO 10TH HOLE	274+/-1	273	10084	10084	95+/-1	96	10084	10084
	FLANGE FACE TO 11TH HOLE	274+/-1	273	11468	11468	95+/-1	95	11468	11468
	FLANGE FACE TO 12TH HOLE	274+/-1	274	12201	12201	95+/-1	94	12201	12201
	FLANGE FACE TO 13TH HOLE	274+/-1	273	13503	13503	95+/-1	94	13503	13503
	FLANGE FACE TO 14TH HOLE	274+/-1	274	14236	14236	95+/-1	96	14236	14236
	FLANGE FACE TO 15TH HOLE	274+/-1	273	15620	15620	95+/-1	94	15620	15620
	FLANGE FACE TO 16TH HOLE	274+/-1	274	16353	16353	95+/-1	95	16353	16353

ALL THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



ARC INSULATIONS AND INSULATORS PVT LTD



	CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	14
	TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
	PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
	DRG. NO.	23-2I0048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART - 4 BLIND DIMENSION REPORT

DESCRIPTION PIPE	OD		THICKNESS		LENGTH		NO. OF STIFFNER		THICKNESS OF STIFFNER	
	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
SET 1	750	750	20	21	250	251	4	4	20	22
SET 2	750	750	20	21	250	250	4	4	20	21
SET 3	750	750	20	21	250	251	4	4	20	22
SET 4	750	750	20	21	250	251	4	4	20	22
SET 5	750	750	20	21	250	251	4	4	20	22
SET 6	750	750	20	20	250	250	4	4	20	21
SET 7	750	750	20	20	250	250	4	4	20	22
SET 8	750	750	20	20	250	251	4	4	20	22
SET 9	750	750	20	21	250	252	4	4	20	22
SET 10	750	750	20	21	250	251	4	4	20	21
SET 11	750	750	20	20	250	251	4	4	20	22
SET 12	750	750	20	20	250	252	4	4	20	22
SET 13	750	750	20	21	250	250	4	4	20	22
SET 14	750	750	20	20	250	251	4	4	20	22
SET 15	750	750	20	21	250	251	4	4	20	22
SET 16	750	750	20	22	250	251	4	4	20	22
SET 17	750	750	20	21	250	250	4	4	20	21
SET 18	750	750	20	21	250	250	4	4	20	22
SET 19	750	750	20	21	250	251	4	4	20	22
SET 20	750	750	20	21	250	252	4	4	20	22

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ARC INSULATIONS AND INSULATORS PVT LTD



	CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	15
	TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
	PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
	DRG. NO.	23-2I0048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT PART - 5 VENT PIPE DIMENSION REPORT

DESCRIPTION	SIZE	OD(MM)		THICKNESS(MM)		LENGTH(MM)	
		SPECIFIED	OBSERVED	SPECIFIED	OBSERVED	SPECIFIED	OBSERVED
PIPE							
SET 1	200	210	210.2	5	5.1	2250	2250
SET 2	200	210	210.2	5	5.1	2250	2252
SET 3	200	210	210.4	5	5.2	2250	2251
SET 4	200	210	210.4	5	5.2	2250	2251
SET 5	200	210	210.4	5	5.2	2250	2253
SET 6	200	210	210.4	5	5.2	2250	2253
SET 7	200	210	210.4	5	5.2	2250	2250
SET 8	200	210	210.4	5	5.2	2250	2251
SET 9	200	210	210.2	5	5.1	2250	2252
SET 10	200	210	210.2	5	5.1	2250	2251
SET 11	200	210	210.2	5	5.1	2250	2251
SET 12	200	210	210.6	5	5.3	2250	2250
SET 13	200	210	210.4	5	5.2	2250	2253
SET 14	200	210	210.2	5	5.1	2250	2250
SET 15	200	210	210.2	5	5.1	2250	2252
SET 16	200	210	210	5	5	2250	2252
SET 17	200	210	210.4	5	5.2	2250	2251
SET 18	200	210	210.2	5	5.1	2250	2251
SET 19	200	210	210.4	5	5.2	2250	2250
SET 20	200	210	210.4	5	5.2	2250	2253

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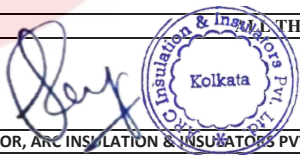
	CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	16
	TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
	PROJECT	POWER GENERATION EFFICIENCY IMPROVEMENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
	DRG. NO.	23-2I0048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART - 6 VENT PIPE FLANGE DIMENSION REPORT

DESCRIPTION			SPECIFIED							OBSERVED					
FLANGES			NB	OD	BCD	NOH	HOLE DIA	THK	NB	OD	PCD	NO OF HOLES	HOLE DIA	THK	
1	SET 1	OF 1	200	343	298	8	22	25	200	343	298	8	22	25	
	SET 2	OF 1	200	343	298	8	22	25	200	344	298	8	23	25	
2	SET 1	OF 2	200	343	298	8	22	25	200	343	298	8	23	26	
	SET 2	OF 2	200	343	298	8	22	25	200	343	298	8	22	26	
3	SET 1	OF 3	200	343	298	8	22	25	200	344	298	8	23	25	
	SET 2	OF 3	200	343	298	8	22	25	200	344	298	8	23	25	
4	SET 1	OF 4	200	343	298	8	22	25	200	344	298	8	23	25	
	SET 2	OF 4	200	343	298	8	22	25	200	343	298	8	23	26	
5	SET 1	OF 5	200	343	298	8	22	25	200	343	298	8	23	26	
	SET 2	OF 5	200	343	298	8	22	25	200	343	298	8	22	26	
6	SET 1	OF 6	200	343	298	8	22	25	200	344	298	8	23	25	
	SET 2	OF 6	200	343	298	8	22	25	200	344	298	8	23	25	
7	SET 1	OF 7	200	343	298	8	22	25	200	343	298	8	23	26	
	SET 2	OF 7	200	343	298	8	22	25	200	343	298	8	23	26	
8	SET 1	OF 8	200	343	298	8	22	25	200	344	298	8	22	25	
	SET 2	OF 8	200	343	298	8	22	25	200	343	298	8	23	26	
9	SET 1	OF 9	200	343	298	8	22	25	200	343	298	8	23	25	
	SET 2	OF 9	200	343	298	8	22	25	200	344	298	8	23	26	
10	SET 1	OF 10	200	343	298	8	22	25	200	344	298	8	22	26	
	SET 2	OF 10	200	343	298	8	22	25	200	343	298	8	22	25	

THE ABOVE OBSERVED DIMENSIONS ARE UNDER TOLERANCE LIMIT AS PER IS 14402



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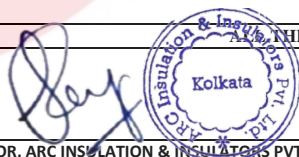
	CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET No.	17
	TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
	PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJI, TURKEY		
	DRG. NO.	23-2I0048/F/04	TOTAL NO SETS	20		

INTERNAL INSPECTION REPORT

PART - 6 VENT PIPE FLANGE DIMENSION REPORT

DESCRIPTION				SPECIFIED						OBSERVED					
FLANGES				NB	OD	BCD	NOH	HOLE DIA	THK	NB	OD	PCD	NO OF HOLES	HOLE DIA	THK
11	SET 1	OF	11	200	343	298	8	22	25	200	344	298	8	22	25
	SET 2	OF	11	200	343	298	8	22	25	200	344	298	8	23	25
12	SET 1	OF	12	200	343	298	8	22	25	200	343	298	8	23	25
	SET 2	OF	12	200	343	298	8	22	25	200	343	298	8	22	26
13	SET 1	OF	13	200	343	298	8	22	25	200	343	298	8	22.5	26
	SET 2	OF	13	200	343	298	8	22	25	200	343	298	8	23	26
14	SET 1	OF	14	200	343	298	8	22	25	200	344	298	8	23	25
	SET 2	OF	14	200	343	298	8	22	25	200	343	298	8	23	25
15	SET 1	OF	15	200	343	298	8	22	25	200	344	298	8	22.2	25
	SET 2	OF	15	200	343	298	8	22	25	200	343	298	8	23	26
16	SET 1	OF	16	200	343	298	8	22	25	200	344	298	8	23	26
	SET 2	OF	16	200	343	298	8	22	25	200	343	298	8	22	26
17	SET 1	OF	17	200	343	298	8	22	25	200	344	298	8	23	25
	SET 2	OF	17	200	343	298	8	22	25	200	343	298	8	23	26
18	SET 1	OF	18	200	343	298	8	22	25	200	344	298	8	22.2	25
	SET 2	OF	18	200	343	298	8	22	25	200	343	298	8	22.5	26
19	SET 1	OF	19	200	343	298	8	22	25	200	343	298	8	23	25
	SET 2	OF	19	200	343	298	8	22	25	200	344	298	8	22.1	25
20	SET 1	OF	20	200	343	298	8	22	25	200	343	298	8	23	26
	SET 2	OF	20	200	343	298	8	22	25	200	344	298	8	22.5	26

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FOR, ARC INSULATION & INSULATORS PVT LTD.

ARC INSULATIONS AND INSULATORS PVT LTD

CLIENT	PAHARPUR COOLING TOWER LTD	DATE	01-04-2024	SHEET.No	18
TITLE	FRP HOT WATER DISTRIBUTER HEADER PIPE	PO NO	24CBO0057		
PROJECT	POWER GENERATION EFFICIENCY IMPROVENT PROJECT	CUSTOMER	CALIK ENERJİ, TURKEY		
DRAWING NUMBER	23-2I0048/F/04	TOTAL SET	20		

INTERNAL INSPECTION REPORT

HYDROSTATIC TEST

S.NO	LOCATION	SPECIFIED	OBSERVED
1	PIPE 750	6 BAR	NO LEAKAGE @ 10 Bar, 2 MIN HOLDING

BARCOL HARNESS

S.NO	LOCATION	SPECIFIED	OBSERVED
1	PIPE 750	MIN 30	42
2	PIPE 200		39

ACETONE SMEAR

S.NO	LOCATION	SPECIFIED	OBSERVED
1	PIPE	NO SMEAR / SMLUG	NO SMEAR / SMLUG
2	FLANGE		NO SMEAR / SMLUG

PIPE STIFFENESS TEST

S.NO	LOCATION	DIMENSION	SPECIFIED	OBSERVED
1	PIPE	750 NB SAMPLE PIPE	62 KPA	1205 KPA
2	PIPE	200 NB SAMPLE PIPE	62 KPA	2156 KPA

PIPE TENSILE TEST

S.NO	LOCATION	DIMENSION	SPECIFIED	OBSERVED
1	PIPE	750 NB SAMPLE STRIP	102 KN/M	326.14 KN/M
2	PIPE	200 NB SAMPLE STRIP	102 KN/M	306.75 KN/M

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