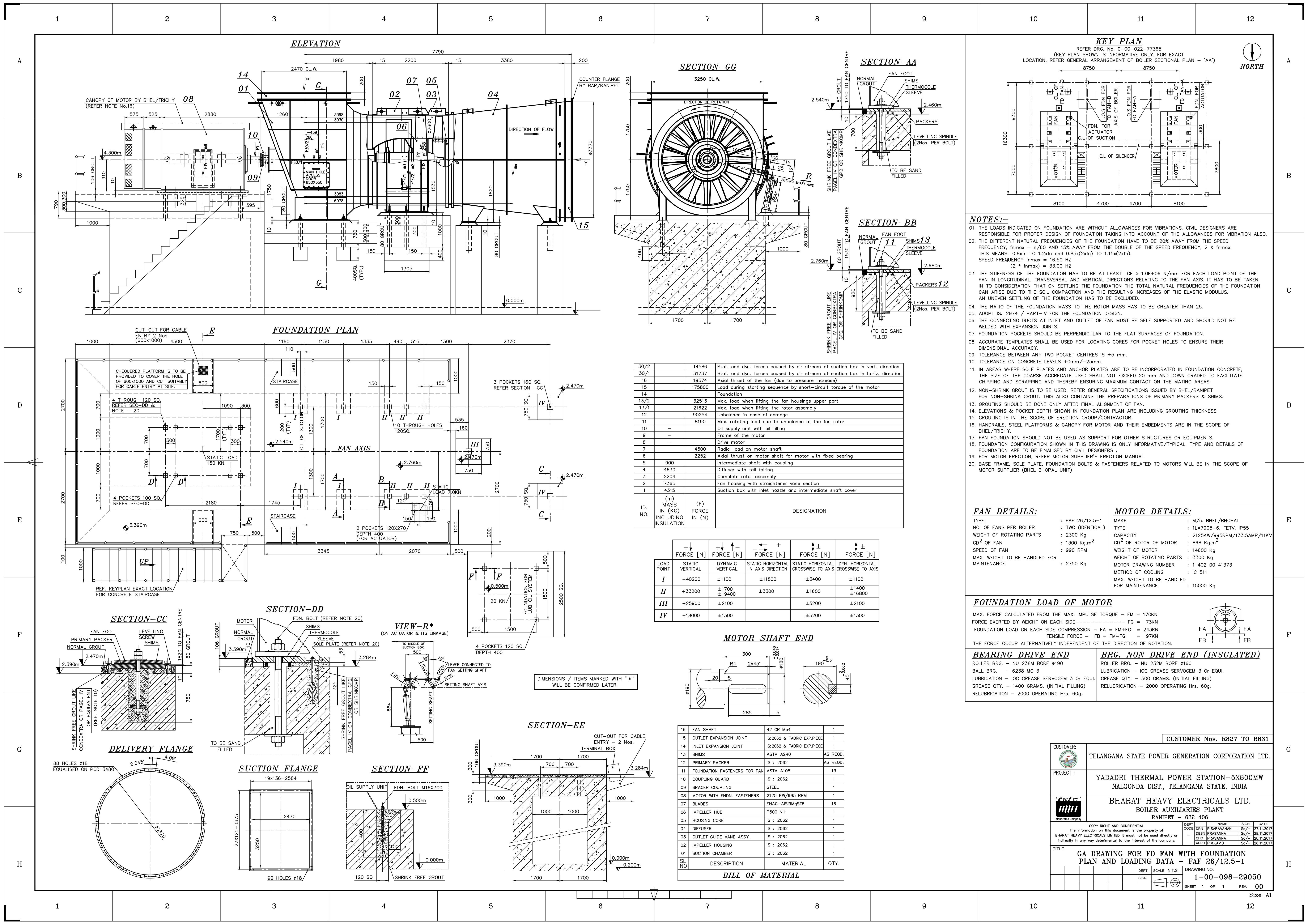




FAN DETAILS:		MOTOR DETAILS:	
TYPE	: FAF 26/12.5-1	MAKE	: M/s. BHEL/BHOPAL
NO. OF FANS PER BOILER	: TWO (IDENTICAL)	TYPE	: 1LA7905-6, TETV, IP55
WEIGHT OF ROTATING PARTS	: 2300 Kg	CAPACITY	: 2125KW/995RPM/133.5AMP/11KV
GD ² OF FAN	: 1300 Kg.m ²	GD ² OF ROTOR OF MOTOR	: 868 Kg.m ²
SPEED OF FAN	: 990 RPM	WEIGHT OF MOTOR	: 14600 Kg
MAX. WEIGHT TO BE HANDLED FOR MAINTENANCE	: 2750 Kg	WEIGHT OF ROTATING PARTS	: 3300 Kg
		MOTOR DRAWING NUMBER	: 1 402 00 41373
		METHOD OF COOLING	: IC 511
		MAX. WEIGHT TO BE HANDLED FOR MAINTENANCE	: 15000 Kg

FOUNDATION LOAD OF MOTOR	
MAX. FORCE CALCULATED FROM THE MAX. IMPULSE TORQUE - FM = 170KN	
FORCE EXERTED BY WEIGHT ON EACH SIDE----- FG = 73KN	
FOUNDATION LOAD ON EACH SIDE COMPRESSION - FA = FM+FG = 243KN	
TENSILE FORCE - FB = FM-FG = 97KN	
THE FORCE OCCUR ALTERNATIVELY INDEPENDENT OF THE DIRECTION OF ROTATION.	
BEARING DRIVE END	BRG. NON DRIVE END (INSULATED)
ROLLER BRG. - NU 232M BORE Ø190	ROLLER BRG. - NU 232M BORE Ø160
BALL BRG. - 6238 MC 3	LUBRICATION - IOC GREASE SERVOMEG 3 Or EQUI.
LUBRICATION - IOC GREASE SERVOMEG 3 Or EQUI.	GREASE QTY. - 500 GRAMS. (INITIAL FILLING)
GREASE QTY. - 1400 GRAMS. (INITIAL FILLING)	RELUBRICATION - 2000 OPERATING Hrs. 60g.
RELUBRICATION - 2000 OPERATING Hrs. 60g.	

16	FAN SHAFT	42 OR Mo4	1
15	OUTLET EXPANSION JOINT	IS:2062 & FABRIC EXP.PIECE	1
14	INLET EXPANSION JOINT	IS:2062 & FABRIC EXP.PIECE	1
13	SHIMS	ASTM A240	AS REQD.
12	PRIMARY PACKER	IS : 2062	AS REQD.
11	FOUNDATION FASTENERS FOR FAN	ASTM A105	13
10	COUPLING GUARD	IS : 2062	1
09	SPACER COUPLING	STEEL	1
08	MOTOR WITH FNDN. FASTENERS	2125 KW/995 RPM	1
07	BLADES	ENAC-AISI9MgSt6	16
06	IMPELLER HUB	P500 NH	1
05	HOUSING CORE	IS : 2062	1
04	DIFFUSER	IS : 2062	1
03	OUTLET GUIDE VANE ASSY.	IS : 2062	1
02	IMPELLER HOUSING	IS : 2062	1
01	SUCTION CHAMBER	IS : 2062	1
SL NO	DESCRIPTION	MATERIAL	QTY.
BILL OF MATERIAL			

CUSTOMER:		CUSTOMER Nos. R827 TO R831	
PROJECT :		YADADRI THERMAL POWER STATION-5X800MW NALGONDA DIST., TELANGANA STATE, INDIA	
Bharat Heavy Electricals Ltd.		Bharat Heavy Electricals Ltd. BOILER AUXILIARIES PLANT RANIPET - 632 406	
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TITLE		GA DRAWING FOR FD FAN WITH FOUNDATION PLAN AND LOADING DATA - FAF 26/12.5-1	
DEPT. SCALE N.T.S		DRAWING NO.	
SIGN		1-00-098-29050	
SHEET 1 OF 1		REV. 00	