FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

DRG. NO. 1 180 005 7469

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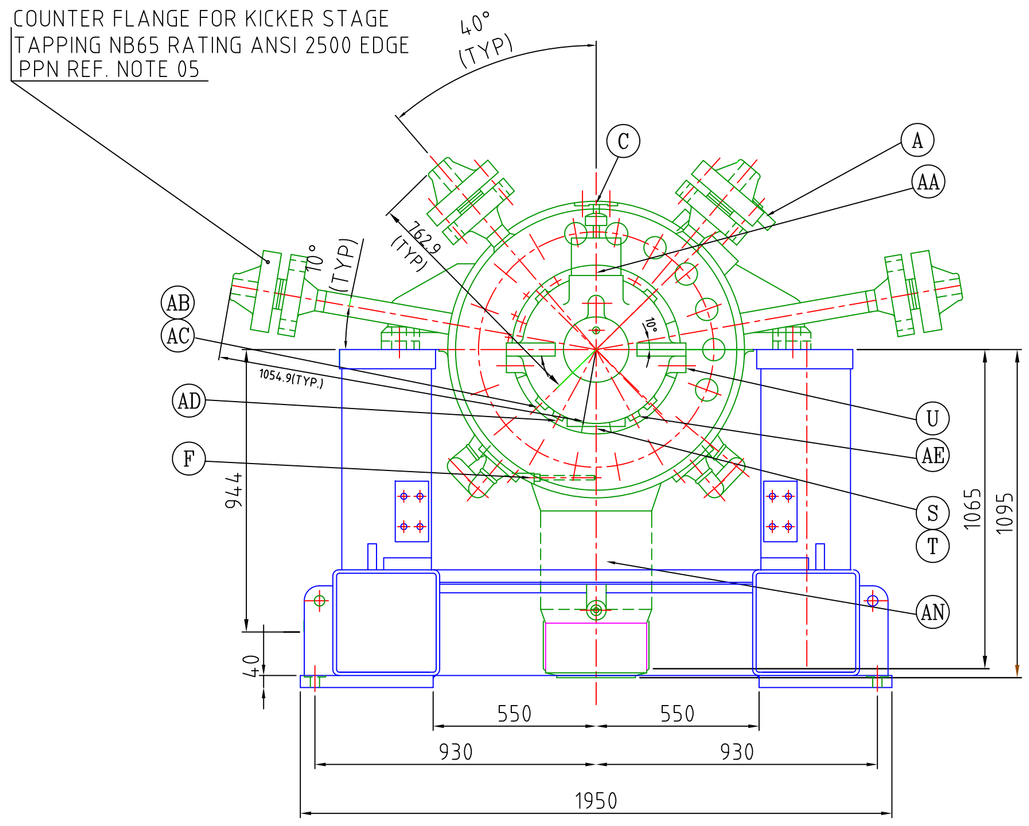
COMPUTER FILE NAME : FP1180005469-00

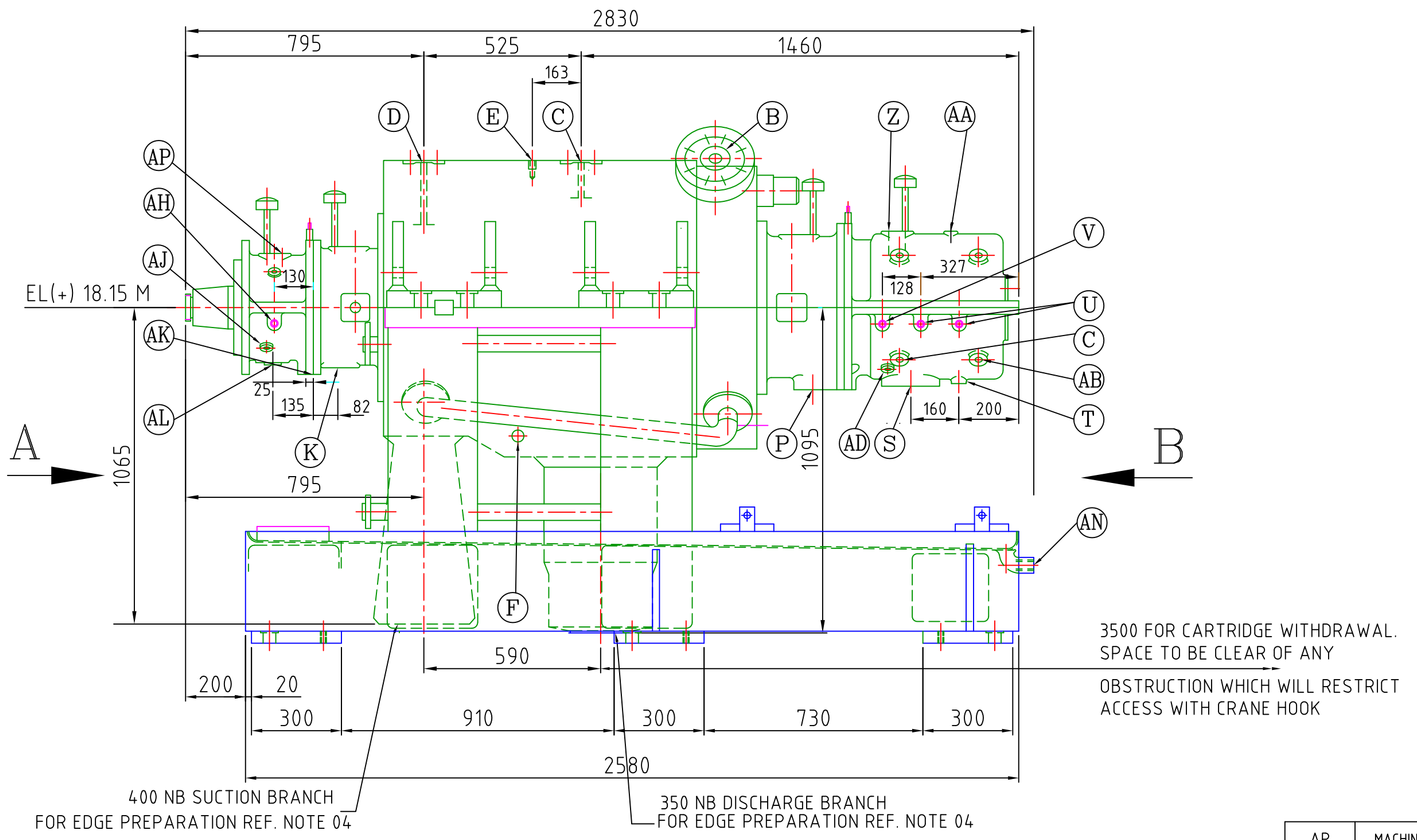
REF. DRG. NO.

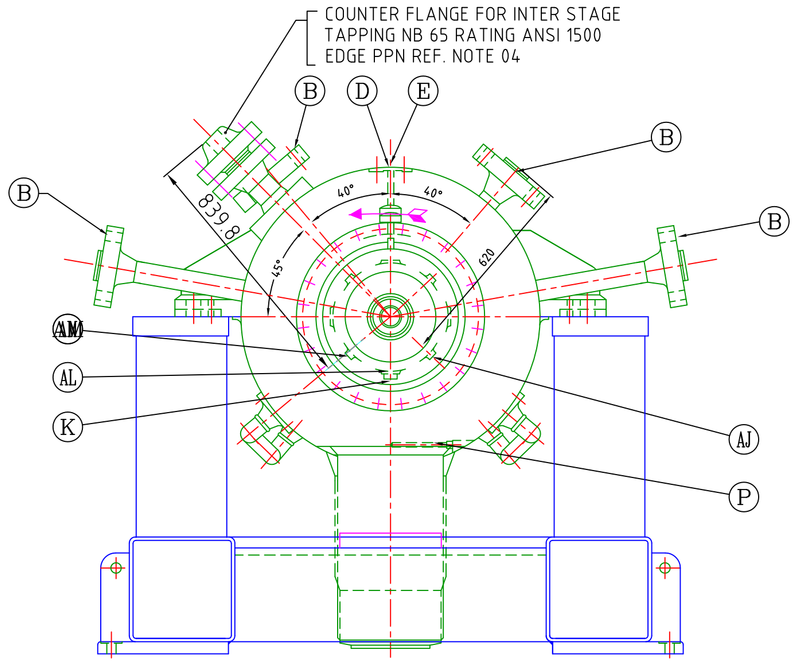
SIGN. AND DATE

INVENTORY NO

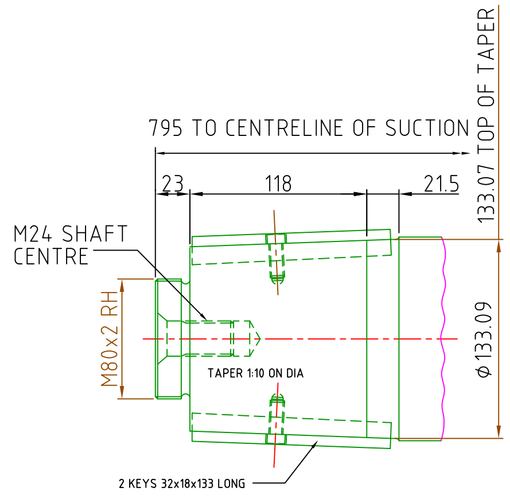


VIEW – B

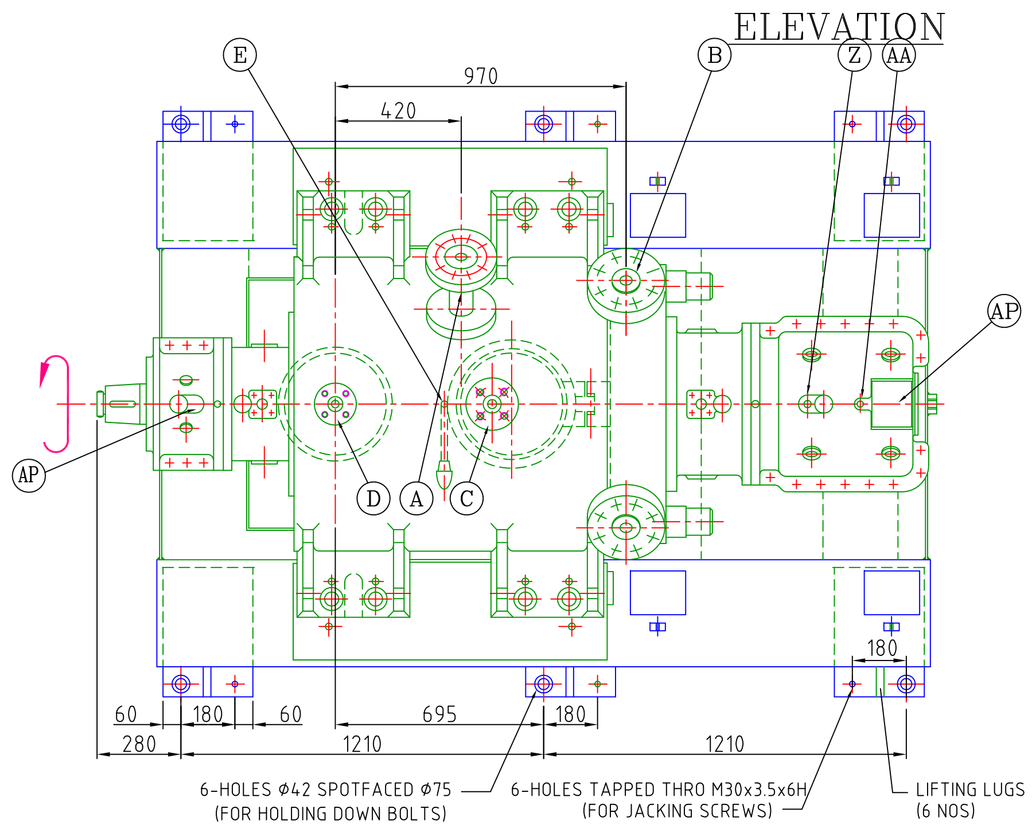




VIEW – A



SHAFT END DETAILS



PLAN VIEW

ELEVATION

WEIGHTS

PRESSURE STAGE PUMP - 9480 kg

BASE PLATE - 2,020 kg

NOTE:–

01. GRILLAGE IS NOT SHOWN BELOW BASE PLATE IN THIS DRG.
02. COUNTER FLANGES ARE INCORPORATED IN THE END VIEWS ONLY.
03. VIBRATION PAD TO BE WELDED ON BEARING HOUSING DE SIDE BY 3mm FILLET WELD.
(PAD & BEARING HOUSING MATERIAL = CARBON STEEL)
04. EDGE PREPARATION FOR BFP SUCTION, DISCHARGE,& INTER STAGE AS PER
BHEL/PIPING CENTRE DRG. NO.: 3-80-300-19825 & 4-80-300-55240.

AP	MACHINED SPACE FOR MOUNTING VIBRATION PAD	80 X 80 mm MACHINED FACE
AN	BASEPLATE DRAIN	TAPPED 1" NPT
AM	JOURNAL BEARING TEMP. DE	TAPPED 1/2" NPT DRILLED ϕ16x94 DEEP TO POINT OF DRILL -1NO
AL	OIL DRAIN DE JOURNAL	25 NB FLANGE FACING. FLANGE O/D 108, R/FACE 51ϕx1.6 HIGH 4-M12x1.75 TAPPED HOLES ON 79.4 P.C.D EQUI-SPACED OFF CENTRES.
AK	DIRTY DRAIN DE	TAPPED 3/4" NPT TAPPING DRILL THRO'
AJ	JOURNAL BEARING TEMP. DE (RTD)	TAPPED 1/2" NPT DRILLED THRO' ϕ13 -1NO
AH	OIL INLET DE JOURNAL	TAPPED 3/4" NPT DRILLED THRO' ϕ12
AE	JOURNAL BEARING TEMP. NDE	TAPPED 1/2" NPT DRILLED ϕ16x181 DEEP TO POINT OF DRILL -1NO
AD	JOURNAL BEARING TEMP. NDE (RTD)	TAPPED 1/2" NPT DRILLED THRO' ϕ13 -1NO
AC	THRUST BEARING TEMP. (RTD)	TAPPED THRO' M20 x1.5 (ELECTRICAL THREAD) -2NO
AB	THRUST BEARING TEMP. (RTD)	TAPPED THRO' M20 x1.5 (ELECTRICAL THREAD) -2NO
AA	THRUST BEARING TEMP. (CHECK)	TAPPED G1/2"
Z	JOURNAL BEARING TEMP. (CHECK)	TAPPED G1/2"
V	OIL INLET, NDE JOURNAL	TAPPED 3/4" NPT DRILLED THRO' ϕ12
U	OIL INLET, THRUST BEARING	TAPPED 3/4" NPT TAPPING DRILL THRO'
T	OIL DRAIN, THRUST BEARING	TAPPED 3/4" NPT TAPPING DRILL THRO' PLUGGED (FOR MAINTENANCE)
S	OIL DRAIN, NDE THRUST & JOURNAL	100 NB FLANGE FACING. FACING O/D 230, R/FACE ϕ157x1.6 HIGH 8-M16x2.0 TAPPED HOLES ON 190.5 P.C.D. EQUI-SPACED,OFF CENTRES
P	GLANDWELL DRAIN NDE	76 NB FLANGE FACING. 140x140 SQUARE FACING 4-M16x2.0 TAPPED HOLES ON 146 P.C.D EQUI-SPACED OFF CENTRES
K	GLANDWELL DRAIN DE	70 NB FLANGE FACING. 140x140 SQUARE FLANGE FACING 4-M16x2 TAPPED HOLES EQUI-SPACED OFF CENTERS ON 146 P.C.D
F	CASING TEMPERATURE RTD	TAPPED 1/2" NPT DRILLED ϕ13x206 DEEP TO POINT OF DRILL
E	CASING TEMPERATURE RTD	TAPPED 1/2" NPT DRILLED ϕ13x65 DEEP TO POINT OF DRILL
D	CASING VENT (SUCTION)	25 NB FLANGE FACING ANSI 300
C	CASING VENT (DISCHARGE)	25 NB FLANGE FACING ANSI 2500
B	KICKER STAGE OUTLETS	65 N.B FLANGE A.N.S.I 2500
A	INTERSTAGE TAPPING (REHEAT / DESUPERHEATER)	65 NB FLANGE FACING. FLANGE O/D 245x42 THICK. R/FACE ϕ105x6.4 HIGH 8-HOLES ϕ29 ON 190.5 P.C.D OFF CRS.
ITEM	TERMINAL POINT	CONNECTION DETAILS

NOTE:– DIMENSIONS & LEVELS ARE INFORMATIVE.

REV.	DATE	ALTERED	CHECKED	APPD.
ZONE				

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED
2X500 MW SAGARDIGHI THERMAL POWER EXTENSION PROJECT
(UNITS 3 & 4)

DEVELOPMENT CONSULTANTS PRIVATE LIMITED
KOLKATA

BHARAT HEAVY ELECTRICALS LIMITED
HYDERABAD

	NAME	SIGN.	DATE	NO.OF VAR.
DRN.	RAJ. C		19.02.11	NA
CHD.	M.M.RAO		19.02.11	
APPD.	B.RAJKUMAR		19.02.11	

DEPT. PUMPS ENGG
CODE 410

SCALE NTS | WEIGHT (KG) NA | REF. TO ASSLY. DRG. NO: NA | ITEM NO. NA | NO.OF ITEMS NA

TITLE: OUTLINE ARRANGEMENT OF TURBINE DRIVEN B.F.P

DRAWING NO. HY-DG-1-18000-57469 | REV. 00

SHEET NO. 01 | NO OF SHEETS 01

1. JOB NO. : 373
2. STATUS : CONTRACT
3. DRG./REF. NO. (INTERNAL) 1 180 005 7426
4. DISTRIBUTION
5. TO
6. No. OF