

**SPECIAL PURPOSE STEAM TURBINE
SPECIFICATION SHEET (CONTINUED)**

JOB NO. : _____ ITEM NO. : _____
DOC. NO. : _____ (2 / 6)
MADE BY : _____ REV. : _____ DATE : _____

1 **CONSTRUCTION FEATURES**

2 **BEARING HOUSING CONSTRUCTION**

3 TYPE (SEPARATE, INTEGRAL) _____ SPLIT _____

4 MATERIAL _____

5 **RADIAL BEARINGS**

6 TYPE _____ L/D _____ DIA.(mm) _____

7 AREA (cm²) _____ LOADING (kg/cm²), ACT. _____ ALLOW. _____

8 **THRUST BEARING**

9 LOCATION _____ TYPE _____

10 MFR. _____ AREA (cm²) _____

11 LOADING (kg/cm²), ACT. _____ ALLOW. _____

12

13 **PACKING TYPE**

14 INTERSTAGE GLAND SEALS

15 END GLAND SEALS _____ NO. PER BOX _____

16 Δ P PER SEAL _____ kg/cm² MATERIAL _____

17 INSULATION _____ JACKET MAT'L _____

18 TOTAL EXPECTED LEAKAGE _____ kg/hr

19 LABYRINTH TYPE _____ STATIONARY _____ ROTATING _____

20

21 **GLAND SEALING SYSTEM**

22 GLAND CONDENSER W/MOUNTING FEET REQ'D

23 STEAM EJECTOR REQ'D _____ kg/cm² G _____ °C

24 VACUUM DEVICE REQ'D COMPOUND PRES. GAGE REQ'D

25 AUTO. PRESSURE CONTROL VALVE (Motive Steam / Sealing Steam)

26 GLAND COND. DRAIN: _____ Loop Seal _____ Vertical Leg

27 _____ Other _____

28 MINIMUM COND. DRAIN HEIGHT _____ mm

29 RELIEF VALVE ON SEALING STEAM HEADER

30

31 **CAPABILITIES**

32 MAX STEAM THRU INLET VALVE _____ kg/hr ¹⁾

33 MAX STEAM THRU EXHAUST VALVE _____ kg/hr ¹⁾

34 STEAM INLET PARTS

35 MAX ALLOW. PRESS. _____ kg/cm² G _____ °C

36 EXHAUST END CASING

37 MAX ALLOW. PRESS. _____ kg/cm² A or mmHg V

38 MAX ALLOW. TEMP. _____ °C

39 MAX EXPECTED TEMP. DURING NO LOAD RUN IN _____ °C

40 SENTINEL WARNING VALVE SET @ _____ kg/cm² G

41 HYDROSTATIC TEST PRESSURE

42 STEAM INLET PARTS _____ kg/cm² G

43 EXHAUST END _____ kg/cm² G

44 FUTURE POTENTIAL MAX. HORSE POWER _____ kW

45 WITH MINOR MODIFICATION : _____

46

47 **TURBINE MATERIALS**

48 HIGH PRESSURE CASING _____

49 EXHAUST CASING _____ MID CASING _____

50 NOZZLES _____ BLADES _____

51 WHEELS _____ SHAFT _____

52 STEAM CHEST _____

53 DIAPHRAGMS _____

54 NOZZLE RINGS _____

55 SHROUDS _____

56 GOV. VALVE TRIM _____

57 LABYRINTH SEALS _____

58 SHAFT MATERIAL UNDER SEALS _____

59 _____ Applied by _____ Spraying _____ Plating _____ Sleeve _____

60

ROTOR

BEARING SPAN _____ mm

SHAFT DIA. (mm) @ 1st DISC _____ @ END GLAND SEAL _____

MAIN CONNECTIONS

	SIZE	ANSI RATING	FACING	POSITION
<input type="checkbox"/> INLET				
<input type="checkbox"/> EXHAUST				
<input type="checkbox"/> EXTRACTION				
<input type="checkbox"/> ADMISSION				

ALLOWABLE FORCES AND MOMENTS

	INLET		EXHAUST		EXTR./ADM	
	Force, Moment	Force, Moment	Force, Moment	Force, Moment	Force, Moment	Force, Moment
	kg	kg-m	kg	kg-m	kg	kg-m
<input type="checkbox"/> PARALLEL TO SHAFT						
<input type="checkbox"/> VERTICAL						
<input type="checkbox"/> HORIZ. 90 °						

OTHER CONNECTIONS

	NO.	SIZE	ANSI RATING	FACING
<input type="checkbox"/> LUBE OIL INLET				
<input type="checkbox"/> LUBE OIL OUTLET				
<input type="checkbox"/> GLAND COND'R CONN.				
<input type="checkbox"/> STAGING DRAIN				
<input type="checkbox"/> STEAM RING DRAIN				
<input type="checkbox"/> T & T VALVE H.P. STEAM LEAKOFF				
<input type="checkbox"/> T & T VALVE L.P. STEAM LEAKOFF				
<input type="checkbox"/> T & T VALVE ABOVE SEAT DRAIN				
<input type="checkbox"/> T & T VALVE BELLOW SEAT DRAIN				
<input type="checkbox"/> COOLING WATER CONN.				
<input type="checkbox"/> PURGE FOR BEARING HOUSING				
<input type="checkbox"/> EXHAUST CONN.				

BASE PLATES & SOLE PLATES

BASE PLATE BY _____

DECKED WITH NON SKID DECK PLATE OPEN CONSTRUCTION

DRIP RIM _____ WITH OPEN DRAIN _____

UNDER TURBINE ONLY _____ OTHER _____

SOLE PLATE BY _____

HORIZ. ADJUSTING SCREWS FOR EQUIPMENT _____

FURNISH S.S. SHIMS

FOUNDATION BOLTS FURN BY : _____ VENDOR _____ PURCH.

LEVELING (CHOCK) BLOCKS REQ'D

REFERENCE SPECIFICATIONS :

API 612 SPECIAL PURPOSE STEAM TURBINE

**SPECIAL PURPOSE STEAM TURBINE
SPECIFICATION SHEET (CONTINUED)**

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JOB NO. : _____ ITEM NO. : _____
 DOC. NO. : _____ (3 / 6)
 MADE BY : _____ REV. : _____ DATE : _____

1	UTILITIES					
2	<u>COOLING WATER</u>					
3		NORMAL	MAX.	DESIGN		
4	<input type="radio"/> SUPPLY PRESS., kg/cm ² G	_____	_____	_____	<input type="radio"/> MAX. TEMP. RISE ALLOWED _____ °C	
5	<input type="radio"/> SUPPLY TEMP., °C	_____	_____	_____	<input type="checkbox"/> QUANTITY REQUIRED _____	
6	<input type="radio"/> PRESSURE DROP, kg/cm ²	_____	_____	_____	_____ m ³ /hr L/D FOR _____	
7	<u>AUXILIARY STEAM SUPPLY</u>			_____ m ³ /hr L/D FOR _____		
8		NORMAL	MAX.	DESIGN	<input type="checkbox"/> QUANTITY REQUIRED _____	
9	<input type="radio"/> SUPPLY PRESS., kg/cm ² G	_____	_____	_____	_____ kg/hr L/D FOR _____	
10	<input type="radio"/> SUPPLY TEMP., °C	_____	_____	_____	_____ kg/hr L/D FOR _____	
11	<u>INSTRUMENT AIR SUPPLY</u>			<u>AUXILIARY MOTORS</u>		
12	<input type="radio"/> SUPPLY PRESS., kg/cm ² G	_____	_____	_____	<input type="radio"/> _____ Volts _____ Phase _____ Hz	
13						
14	INSTRUMENTATION					
15	GAUGE READOUT IN <input type="checkbox"/> ENGLISH <input type="checkbox"/> SI <input type="checkbox"/> DUAL <input type="checkbox"/> OTHER _____					
16	NOTE : <input type="checkbox"/> SUPPLIED BY VENDOR <input type="radio"/> SUPPLIED BY PURCHASER <input type="checkbox"/> LOCATED ON A MACHINE MOUNTED INSTRUMENT BOARD					
17						
18	<u>PRESSURE GAGE REQUIREMENTS</u>					
19		LOCALLY	LOCAL		LOCALLY	LOCAL
20	<u>FUNCTION</u>	MOUNTED	PANEL	<u>FUNCTION</u>	MOUNTED	PANEL
21	LUBE OIL PUMP DISCHARGE _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	1st STAGE STEAM _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
22	LUBE OIL FILTER Δ P _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	STEAM CHEST _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
23	LUBE OIL SUPPLY _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	EXHAUST STEAM _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
24	GOV. CONTROL OIL _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	EXTRACTION STEAM _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
25	GOV. CONTROL OIL Δ P _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	STEAM EJECTOR _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
26	COUPLING OIL Δ P _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	STEAM SEAL _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
27	MAIN STEAM INLET _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	_____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
28						
29	<u>TEMPERATURE GAGE REQUIREMENTS</u>					
30		LOCALLY	LOCAL		LOCALLY	LOCAL
31	<u>FUNCTION</u>	MOUNTED	PANEL	<u>FUNCTION</u>	MOUNTED	PANEL
32	LUBE OIL DISCHARGE FROM EACH _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	COOLING OIL INLET & OUTLET _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
33	TURBINE JOURNAL BEARING _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	STEAM INLET _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
34	TURBINE THRUST BEARING _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	STEAM EXHAUST _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
35	GEAR JOURNAL BEARING _____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>	_____	<input type="checkbox"/> <input type="radio"/> <input type="checkbox"/> <input type="triangle"/>	<input type="checkbox"/> <input type="radio"/>
36						
37						
38	<u>ALARMS & SHUTDOWN FUNCTIONS</u>					
39		PRE			PRE	
40	<u>FUNCTION</u>	ALARM	TRIP	<u>FUNCTION</u>	ALARM	TRIP
41	<input type="checkbox"/> <input type="radio"/> LOW LUBE OIL PRESS. EACH LEVEL	_____	_____	<input type="checkbox"/> <input type="radio"/> TURBINE VIBRATION	_____	_____
42	<input type="checkbox"/> <input type="radio"/> HI OIL FILTER	_____	_____	<input type="checkbox"/> <input type="radio"/> TURBINE AXIAL POSITION	_____	_____
43	<input type="checkbox"/> <input type="radio"/> AUX. LUBE OIL PUMP START	_____	_____	<input type="checkbox"/> <input type="radio"/> TRIP & THROTTLE VALVE POSITION	_____	_____
44	<input type="checkbox"/> <input type="radio"/> HI LUBE OIL OUTLET TEMP.	_____	_____	<input type="checkbox"/> <input type="radio"/> HI TURBINE STEAM SEAL LEAKAGE	_____	_____
45	<input type="checkbox"/> <input type="radio"/> LOW CONTROL OIL PRESSURE	_____	_____	<input type="checkbox"/> <input type="radio"/> HI TURBINE EXHAUST PRESSURE	_____	_____
46	<input type="checkbox"/> <input type="radio"/> _____	_____	_____	<input type="checkbox"/> <input type="radio"/> HI TURBINE EXTRACTED PRESSURE	_____	_____
47	<input type="checkbox"/> <input type="radio"/> _____	_____	_____	<input type="checkbox"/> <input type="radio"/> TURB. OVERSPEED TRIP OPERATION	_____	_____
48						
49	<u>MISCELLANEOUS INSTRUMENTATIONS</u>					
50	<input type="checkbox"/> <input type="radio"/> TURBINE SPEED PICK UP DEVICE	<input type="checkbox"/> ELECTRONIC		<input type="checkbox"/> OTHER ; _____		
51	<input type="checkbox"/> <input type="radio"/> TURBINE SPEED INDICATORS					
52	TURBINE SPEED INDICATORS LOCATED ON : _____ LOCAL PANEL _____ MAIN BOARD TYPE : _____ DIGITAL _____ DIAL GAGE					
53	<input type="checkbox"/> <input type="radio"/> REMOTE HAND SPEED CHANGER-MOUNTED ON : _____ LOCAL PANEL _____ CONTROL ROOM					
54	<input type="checkbox"/> <input type="radio"/> ALARM HORN & ACKNOWLEDGEMENT SWITCH ON : _____ LOCAL PANEL _____ CONTROL ROOM					
55	<input type="checkbox"/> <input type="radio"/> _____					
56	_____					
57	_____					
58	_____					
59	_____					

**SPECIAL PURPOSE STEAM TURBINE
SPECIFICATION SHEET (CONTINUED)**

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JOB NO. : _____ ITEM NO. : _____
 DOC. NO. : _____ (4 / 6)
 MADE BY : _____ REV. : _____ DATE : _____

1 COUPLING

2 MOUNT 1/2 COUPLING TYPE _____

3 MFR. _____

4 SPACER REQ'D _____

5 COUPLING FURNISHED BY _____

6 KEYED (1) OR (2); OR HYDR. FIT _____

7 CPLG. COEF. FRICTION: _____ GEAR PITCH DIA.(mm): _____

8 TURBINE SHAFT : _____ TAPER _____ CYLIND'L DIA.(mm): _____

9 GENERATOR SHAFT: _____ TAPER _____ CYLIND'L DIA.(mm): _____

10 COUPLING GUARD : _____ MFR. STD. _____ OTHER _____

11 LUBRICATION REQ'D _____ YES _____ NO

13 COMPOSITE TORSIONAL ANALYSIS

14 REQUIRED BY : _____

15 LATERAL CRITICAL SPEED ANALYSIS

16 REQUIRED BY : _____

18 SHOP INSPECTION AND TESTS

	REQ'D	WITNESS
19		
20	<input type="radio"/>	<input type="radio"/>
21	<input type="radio"/>	<input type="radio"/>
22	<input type="radio"/>	<input type="radio"/>
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24	<input type="radio"/>	<input type="radio"/>
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42	<input type="radio"/>	<input type="radio"/>
43	<input type="radio"/>	<input type="radio"/>
44	<input type="radio"/>	<input type="radio"/>
45	<input type="radio"/>	<input type="radio"/>
46	<input type="radio"/>	<input type="radio"/>

48 OIL REQUIREMENTS

	CONTROL OIL	LUBE OIL
49		
50	<input type="checkbox"/>	<input type="checkbox"/>
51	<input type="checkbox"/>	<input type="checkbox"/>
52	<input type="checkbox"/>	<input type="checkbox"/>
53	<input type="checkbox"/>	<input type="checkbox"/>
54	<input type="radio"/>	<input type="radio"/>
55		
56	<input type="checkbox"/>	<input type="checkbox"/>

VIBRATION DETECTORS

TYPE _____ MODEL _____

MFR. _____

NO. AT EACH SHAFT BEARING _____ TOTAL NO. _____

OSCILATOR-DEMODULATORS SUPPLIED BY: _____

MFR. _____ MODEL _____

MONITOR SUPPLIED BY _____ NO. CHANNEL _____

LOCATION _____ ENCLOSURE _____

MFR. _____ MODEL _____

SCALE RANGE _____ ALARM : SET @ _____ M

SHUTDOWN : SET @ _____ M TIME DELAY _____ sec.

AXIAL MOVEMENT DETECTORS

TYPE _____ MODEL _____

MFR. _____ NO. REQUIRED _____

OSCILATOR-DEMODULATORS SUPPLIED BY: _____

MFR. _____ MODEL _____

MONITOR SUPPLIED BY _____ NO. CHANNEL _____

LOCATION _____ ENCLOSURE _____

MFR. _____ MODEL _____

SCALE RANGE _____ ALARM : SET @ _____ M

SHUTDOWN : SET @ _____ M TIME DELAY _____ sec.

KEYPHASER SENSOR

TYPE _____ MODEL _____

MFR. _____ NO. REQUIRED _____

LOCATION _____ ENCLOSURE _____

OSCILATOR-DEMODULATOR SUPPLIED BY _____

MFR. _____ MODEL _____

MONITOR SUPPLIED BY _____ NO. CHANNEL _____

LOCATION _____ ENCLOSURE _____

MFR. _____ MODEL _____

BEARING TEMPERATURE DEVICES

THERMISTORS :

TYPE: _____ Positive Temp. Coef. _____ Neg. Temp. Coef.

Temp. Switch & Indicator By : _____ Purchaser _____ Mfr.

THERMOCOUPLES :

Selector Switch & Indicator By: _____ Purchaser _____ Mfr.

RESISTANCE TEMP. DETECTORS :

Resistance Material : _____ _____ OHM

Selector Switch & Indicator By : _____ Purchaser _____ Mfr.

LOCATION OF JOURNAL BEARING :

No. _____ Ea. Pad _____ Every Other Pad _____ Per Bearing

Other _____

LOCATION OF THRUST BEARING :

No.(Active) : _____ Ea. Pad _____ Every Other Pad _____ Per Bearing

Other _____

No.(Inactive): _____ Ea. Pad _____ Every Other Pad _____ Per Bearing

Other _____

MAXIMUM BEARING TEMPERATURE :

_____ °C FOR ALARM _____ °C FOR SHUTDOWN

REMARK : _____

**SPECIAL PURPOSE STEAM TURBINE
SPECIFICATION SHEET (CONTINUED)**

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JOB NO. : _____ ITEM NO. : _____
 DOC. NO. : _____ (5 / 6)
 MADE BY : _____ REV. : _____ DATE : _____

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INSTRUMENTATION

EXHAUST RELIEF VALVE REQUIREMENTS

- MAX SET PRESSURE _____ kg/cm² G EXHAUST
- STEAM ROW _____ kg/hr
- SUPPLIED BY _____ PURCHASER _____ VENDOR

AREA CLASSIFICATION

CLASS _____ GROUP _____ DIVISION _____

MOTOR CONTROL & INSTRUMENT VOLTAGE

_____ VOLTS _____ PHASE _____ Hz

EXTRACTION RELIEF VALVE REQUIREMENTS

- MAX SET PRESSURE _____ kg/cm² G EXTRACTION
- STEAM ROW _____ kg/hr
- SUPPLIED BY _____ PURCHASER _____ VENDOR

ALARM & SHUTDOWN VOLTAGE

_____ VOLTS _____ PHASE _____ Hz

SOLENOID VOLTAGE _____ VOLTS

LOCAL CONTROL PANEL

FURNISHED BY VENDOR PURCHASER OTHER _____

- FREE STANDING WEATHER PROOF TOTALLY ENCLOSED EXTRA CUTOUTS
- VIBRATION ASCILATOR STRIP HEATER PURGE CONNECTION WITH DOORS
- ANNUNCIATOR FURNISHED BY VENDOR PURCHASER OTHERS
- ANNUNCIATOR LOCATED ON : LOCAL PANEL CONTROL ROOM MAIN CONTROL BOARD
- CUSTOMER CONNECTIONS BROUGHT OUT TO TERMINAL BOXES BY VENDOR

REMARKS : _____

INSTRUMENT SUPPLIERS : FOLLOWING LIST REFER TO "DATASHEET FOR INSTRUMENT DOC./DWG. NO. _____

Pressure Gages	MFR. : _____	SIZE & TYPE : _____	_____
Temperature Gages	MFR. : _____	SIZE & TYPE : _____	_____
Level Gages	MFR. : _____	SIZE & TYPE : _____	_____
Diff. Pressure Switches	MFR. : _____	SIZE & TYPE : _____	_____
Temperature Switches	MFR. : _____	SIZE & TYPE : _____	_____
Level Switches	MFR. : _____	SIZE & TYPE : _____	_____
Control Valves	MFR. : _____	SIZE & TYPE : _____	_____
Pressure Relief Valves	MFR. : _____	SIZE & TYPE : _____	_____
Thermal Relief Valves	MFR. : _____	SIZE & TYPE : _____	_____
Sight Flow Indicators	MFR. : _____	SIZE & TYPE : _____	_____
Pneu. Pressure Transmitters	MFR. : _____	SIZE & TYPE : _____	_____
Vibration Equipment	MFR. : _____	SIZE & TYPE : _____	_____
Tachometer	MFR. : _____	SIZE & TYPE : _____	_____
Solenoid Valves	MFR. : _____	SIZE & TYPE : _____	_____
Annunciator	MFR. : _____	SIZE & TYPE : _____	_____
Thermocouples	MFR. : _____	SIZE & TYPE : _____	_____
Resistance Temp. Detectors	MFR. : _____	SIZE & TYPE : _____	_____
Thermowells	MFR. : _____	SIZE & TYPE : _____	_____
_____	MFR. : _____	SIZE & TYPE : _____	_____
_____	MFR. : _____	SIZE & TYPE : _____	_____
_____	MFR. : _____	SIZE & TYPE : _____	_____
_____	MFR. : _____	SIZE & TYPE : _____	_____

SWITCHES

- ENCLOSURES EXPLOSION PROOF WEATHER PROOF OTHER _____
- ALARM CONTACTS SHALL OPEN CLOSE TO SOUND ALARM - AND BE NORMALLY ENERGIZED DE-ENERGIZED
- SHUTDOWN CONTACT SHALL OPEN CLOSE TO TRIP - END BE NORMALLY ENERGIZED DE-ENERGIZED
- NOTE : NORMAL CONDITION IS : WHEN TURBINE IS IN OPERATION

MISCELLANEOUS

- PRE-ALARM AND SHUTDOWN SWITCHES SHALL BE SEPARATE
- PURCHASERS ELECTRICAL AND INSTRUMENT CONNECTIONS WITHIN THE CONFINES OF THE BASEPLATE AND CONSOLE SHALL BE :
 BROUGHT OUT TO TERMINAL BOXES MADE DIRECTLY BY PURCHASER
- PURCHASER'S COMMENTS : _____

**SPECIAL PURPOSE STEAM TURBINE
SPECIFICATION SHEET (CONTINUED)**

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JOB NO. : _____ ITEM NO. : _____
 DOC. NO. : _____ (6 / 6)
 MADE BY : _____ REV. : _____ DATE : _____

1 GEAR

2 SEPARATE DATASHEET ATTACHED

3 SPECIAL PURPOSE GEAR REQUIRED

4 GEAR FURNISHED BY : _____

5 OIL SYSTEM

6 FURNISHED BY : TURBINE MFR. OTHERS

7 SEPARATE FOR TURBINE ONLY

8 COMMON WITH DRIVEN EQUIPMENT

9 TURBINE MFR. TO SUPPLY

10 STAINLESS STEEL OIL SUPPLY HEADER PIPING

11 OIL DRAIN HEADER PIPING ST. STEEL C.S.

12

13

14 EMERGENCY TURNING-GEAR

15 TURNING GEAR REQ'D QUICK START REQUIRED

16 MFR. _____ MODEL _____

17 RATIO _____

18 MOTOR _____ Electric _____ kW _____ VOLTS AC DC

19 _____ Pneumatic _____ kg/cm² G _____ °C _____ Nm³ /hr

20 _____ Auto Engage _____ Manual Engage

21

22 PAINTING

23 MANUFACTURER'S STANDARD

24 OTHER _____

25

26 SHIPMENT

27 DOMESTIC EXPORT

28 EXPORT BOXING REQ'D OUTDOOR STORAGE OVER 6

29 WATER PROOF BOXING REQ'D (SIX) MONTHS

30 SPARE ROTOR ASSEMBLY PACKAGED FOR

31 HORIZONTAL STORAGE VERTICAL STORAGE

WEIGHT

TURBINE _____ kg

ROTOR _____ kg

TURBINE UPPER 1/2 CASING _____ kg

MAX. FOR MAINTENANCE (IDENTIFY) _____ kg
(_____)

TOTAL SHIPPING WEIGHT _____ kg

SPACE REQUIREMENTS

COMPLETE UNIT : L (m) _____ W (m) _____ H (m) _____

CONTROL PANEL : L (m) _____ W (m) _____ H (m) _____

MISCELLANEOUS

PROVISIONS FOR FIELD BALANCING

VENDOR'S REVIEW AND COMMENT ON PURCHASER'S PIPING
AND FOUNDATION DRAWINGS REQUIRED

SHAFT GROUNDING DEVICES

"Y" TYPE STRAINER FOR

WATER WASHING CONNECTIONS

OPTICAL ALIGNMENT FLATS

INSULATION (LAGGING) REQUIRED

JACKET REQUIRED

AXIAL ALIGNMENT KEY

BLADE DIAGRAMS _____ CAMPBELL _____ GOODMAN
 _____ SODERBERG _____ OTHER _____

METRIC / ENGLISH / SI

_____ DRAWINGS _____ EXTERNAL FLANGES

_____ INTERNAL BOLTING AND THREADS

32 SKETCH :

33

34

35

36

37

38

39

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51

52 REMARKS : _____

53 _____

54 _____

55 _____

56 _____

57 _____