

25MW Condensing Steam Turbine-Generator Package



Year of Manufacture: 2019

Condition: NEW

Operating Hours: 0 – Never Installed

Status: In Storage

Overview

Steam Turbine:

Manufacturer: Triveni (India)

Year of Manufacture: 2019

Type: Condensing

Rated Power: 25000kW

Rated Inlet Steam Pressure: 66 Bar

Rated Inlet Steam Temperature: 425 Deg C

Speed: 6,141 RPM

Gear Box:

Manufacturer: Lufkin

Input Speed: 6,141 RPM

Output Speed: 1,500 RPM

Generator:

Manufacturer: WEG (India)

Rated Output: 31250kVA

P.F: 0.8

Speed: 1,500 RPM

Voltage: 11kV

Frequency: 50Hz

- **Partially Complete package, including all Aux equipment**
- **Designed for use with ACC (ACC is excluded)**

Turbine & Gear Skid:



Alternator:



Packing List and Scope Of Supply:

ANNEXURE TO PACKING LIST NO. EXP1920P121 DATED: 02.12.2019

SL	PACKAGE NUMBER	ITEM CODE	MATERIAL DESCRIPTION	ITEM DETAILS		PACKAGE DIMENSIONS (CM)			NET WT (KG)	GROSS WT (KG)
				QTY	UNIT	L	W / D	H		
1	C-3541/TTL/01		STEAMTURBINE	1	SET	820	628	420	76000	84000
2	C-3541/TTL/01	BT1930341	COUPLING (TRANSM UNIT)-LS-F-800-ST-A	1	Set	120	90	106	1020	1150
3	C-3541/TTL/02	SB0231068	LS COUP GUARD-1440-870-1085-1160-570-A	1	Set	166	107	140	480	600
4	C-3541/TTL/03	BT0233185	ACOUSTIC HOOD-103-GB-85 dB-5-3541-A	1	Set	325	160	160	2000	2300
5	C-3541/TTL/04	BT0233185	ACOUSTIC HOOD-103-GB-85 dB-5-3541-A			325	160	160	2000	2300
6	C-3541/TTL/05	BT0233185	ACOUSTIC HOOD-103-GB-85 dB-5-3541-A			384	122	86	800	950
7	C-3541/TTL/06	BT1751588	ITEM: HRS-MELT ON ROSS (C-3541)	1	Set	708	47	58	1020	1200
		BT0360101	GASKET-AF MET JOINT 3180 X 2000 X 3	2	Nos					
		BT0060965	COUPLING--MOP COUPLING	1	Set					
		PF0030005	SEAMLESS PIPE-3/4" NB SCH40 C.S	4	Mtr					
		PF0030044	SEAMLESS PIPE-3/4" NB SCH 40 S.S	1.5	Mtr					
8	C-3541/TTL/07	SB0850065	TOOL (SPL)-LA-FAB- C-3541-A	1	Nos	416	100	74	1800	2100
		SB0180496	BOLT (SPL) RA-M90X6P- 730-980	2	Nos					
		SB0850045	MISC TOOL-TOOL (SPL) LA-MAC-HOOK-A	2	Nos					
		SB0590192	NUT(SB)-NUT (SPL) ED-M90X6P-86-RH	4	Nos					
9	C-3541/TTL/08	BT0080210	OVER SPEED TRIP SPRING-TG- 449-6 R1	1	Nos	209	80	105	1100	1220
		BT0130112	O RING-28-6-N-M409	2	Nos					
		BT0130113	O RING-55-3-N-M409	1	Nos					
		BT0130114	O RING-75-3-N-M409	1	Nos					
		BT0130115	O RING-40-3-N-M409	1	Nos					
		BT0130116	O RING-22-3-N-M409	1	Nos					
		BT0160100	ELEMENT-45 IGPM (307252-DU-401 10 VG)	2	Nos					
		BT0160121	OIL FILTER ELEMENT-15 M-1135 LPM	2	Nos					
		BT0170190	OIL INLET FITTING-TD3SMM1717	1	Nos					
		BT0180005	STRAINER-Y-CON-RF-100NB-CL150-N-M104	2	Nos					
		BT0180025	STRAINER-Y-CON-RF-50NB-CL150-N-M104	1	Nos					
		BT0180063	STRAINER-Y-CON-RF-25NB-CL150-N-M104	1	Nos					
		BT0180074	STRAINER-Y-TYPE-1.5" NB 150 R/F	1	Nos					
		BT0180092	STRAINER-Y-CON-RF-40NB-CL300-N-M104	1	Nos					
		BT0220027	CHARGING KIT	1	Set					
		BT0230391	CONDENSING POT-P22	5	Nos					
		BT0233172	MISC(BO)--10GBH 490D (1 SET=10 NOS)	10	Nos					
		BT0350005	MESH- NO.150. 4X4FT.FINAL OIL FLUSHING	2	Ft					
		BT0350006	MESH.No 200. 4X4FT PR.OIL FLUSHING	2	Ft					
		BT0370147	ROUND GASKET-3/4" NB 150 R/F ANSI B16.5	8	Nos					
		BT0380206	SW GASKET-8" NB 150 R/F	1	Nos					
		BT0380229	GASKET RD STD SW-RF-250NB-CL900-M410	1	Nos					
		BT0380229	GASKET RD STD SW-RF-250NB-CL900-M410	1	Nos					
		BT0420004	BLRD FLG-SORF-20 NB #150 ANSI B16.5 C.S	2	Nos					
		BT0420091	BLRD FLG-SORF-20 NB #150 ANSI B16.5 S.S	2	Nos					
		BT0440010	RD FLG SO RF-20 NB #150 ANSI B16.5 C.S	2	Nos					
		BT0440047	RD FLG SO RF-20 NB #150 ANSI B16.5 S.S	2	Nos					
		BT0500018	STEAM TRAP-A-RF-50NB-CL150-N-M104	2	Nos					
		BT0500041	STEAM TRAP - C-SW-25NB-CL800-A-M101	4	Nos					

		BT0500042	STEAM TRAP- C-SW-20NB-CL800-A-M104	2	Nos						
		BT1080012	WIRE SLINGS-4 MTR 8 TONS	2	Nos						
		BT1100023	SOLENOID VALVE -2-WAY -24VDC-EMT8210B038	1	Nos						
		GS0220009	HEX H BOLT-M 12 X 45 LG	16	Nos						
		GS0220277	HEX H BOLT-M 30 X 140 LG	67	Nos						
		GS0300019	HEX NUT-M 16-X-102200016	4	Nos						
		GS0300029	NUT-HD-G-P6-M30X3.5P-M610	67	Nos						
		GS0300083	HEX NUT-M 20-X-102200020	4	Nos						
		GS0300163	HEX NUT-M 12	16	Nos						
		GS0300168	HEX NUT-M 36	18	Nos						
		GS0390019	PLAIN WASHER-M 20	4	Nos						
		GS0390020	PLAIN WASHER-M 12	16	Nos						
		GS0390035	PLAIN WASHER-M 16	4	Nos						
		GS0390048	PLAIN WASHER-M 33	134	Nos						
		GS0390249	PLAIN WASHER-M 39	18	Nos						
		GS0470003	EYE BOLT M12X1.75P-M101	2	Nos						
		GS0550054	NUT-LD-G-P5-M36X4P-M610	18	Nos						
		GS0690032	HEX H SCREW-M 16 X 30 LG	4	Nos						
		GS0690040	HEX H SCREW-M 20 X 30 LG	16	Nos						
		IM0210032	VALVES (I)-THERMOSTATIC, 1135 LPM	1	Nos						
		IM0440145	GLASS WEBBING TAPE(I) 25 MM X 3 TH	45	Mtr						
		PF0030024	SEAMLESS PIPE-1-1/2" NB SCH80_M-103	16	Nos						
		PF0090002	ELBOW 90-SR BW, 3/4" NB SCH40 C.S	4	Nos						
		PF0110009	HALF COUPLING-W-20NB-CL1500-M101	2	Nos						
		PF0140023	EQUAL TEE-3/4" NB SCH40 BW S.S	1	Nos						
		PF0140075	TEE-3/4" X 1" NB SCH40 BW	1	Nos						
		SB0010671	ADAPTOR-PIPE & FLANGE	1	Nos						
		SB0460606	SPINDLE-FOR-STEAM-BLOWER	1	Nos						
		SB0460615	SPINDLE-CPPCS-613-30.05-388-M213	1	Nos						
		SB0990261	THERMOWELL-T-3-7926KK R1	4	Nos						
		SB1010082	MISC(SB)-SEV CONE FOR STEAMBLOWER	1	Nos						
		SB1250031	VALVE-OST-MAC-N-90-30-M703	1	Nos						
		SB1420052	OVER SPEED TRIP CAP-TG-4004-6	1	Nos						
		VL0030018	GLOBE VALVE -1/2" NB CL-800 S.W C.S(IBR)	10	Nos						
		VL0030098	GLOBE VALVE -1"NB CL-1500 S.W (IBR) F-22	6	Nos						
10	C-3541/TTL/09	BT0230469	MOLYKOTE G-RAPID PLUS PASTE	2	Nos	200	77	101	600	700	
		BT0230470	MOLYKOTE-1000 PASTE	5	Nos						
		BT0230702	TURBINE PAINT BLUE(RAL 5014)	2	Nos						
		BT0230767	ANTI SEIZE SPRAY (OKS 9241) OKS-241	2	Nos						
		BT0230768	LOCTITE SEAL 587-300 MLCATRIDGE	2	Nos						
		BT0230768	LOCTITE SEAL 587-300 MLCATRIDGE	2	Nos						
		BT0230923	MOLYKOTE-P-37 PASTE	5	Nos						
		BT0231535	STEAM SEALING COMPOUND BIRKOSIT	1	Nos						
		BT0231535	STEAM SEALING COMPOUND BIRKOSIT	1	Nos						
		BT0380377	AF METALLIC JOINT for TST-2300HR	2	Nos						
		GS0690435	HEX H SCREW-M 8 X 60 LG	120	Nos						
		SA0690099	TOOLS & SPANNERS	1	Set						
		-	GAGGING SCREWS								
		SB0150071	FOUNDATION BOLT-PH-M16-250-232-M609	4	Nos						
		SB0150180	FOUNDATION BOLT-PH-M20-250-229-M609	4	Nos						
		SB0150380	FOUNDATION BOLT-M 36 X 950 LG	18	Nos						
		SB0170056	OVER SPEED TRIP CAP REMOVAL BOLT	1	Nos						
		SB0280073	KEEP PLATE-100 X 100 X 25-M 36	18	Nos						
		SB0730004	PACKING PLATE-150 X 75 X 25 THK	10	Nos						
		SB0730005	PACKING PLATE-150 X 75 X 3 THK	50	Nos						
		SB0730031	PLATE TAPER-150-75-20-14-M609	80	Nos						
		SB0730070	PACKER PLATE-PRL-T-170-115-25-M609	40	Nos						
		SB1270131	TOOL (SPL)-CF-FAB-LG 650-PCD 370-A	1	Nos						
		SB1270184	TOOL (SPL)-CF-FAB-LG 650-PCD 440-A	1	Nos						
11	C-3541/TTL/10	BT0690042	THERMOCOUPLE_DUPLEX_K-TYPE_300MMIL	8	Nos	200	77	101	600	700	
		BT0830186	PG_0 TO 4 BARG_1/2"NPT(M),BTMENTRY	7	Nos						
		BT0830187	PG_0 TO 10 BARG_1/2"NPTM_BTMENTRY	3	Nos						
		BT0830248	PG (-1) TO1.5Bar_1/2" NPTM_BTMENTRY	1	Nos						
		BT0830250	PG_0 TO 40bar_1/2"NPTM_BTMENTRY	5	Nos						

		BT0840109	TEMP GAUGE 0 TO 120, 225 IL, 6" DIAL	2	Nos					
		BT0880035	RTD 3 WIRE IMM-225 MM DUPLEX 8 MM	4	Nos					
		BT0880176	RTD EMBEDDED DUPLEX-10.8MTR-15MM_3.2mm	1	Nos					
		BT0890014	WOODWARD-MPU-EXTRA LONG 5430-933	3	Nos					
		BT0950005	BOLT HEATER-ST-15.75-275-385-2.5-A	3	Nos					
		BT0950009	BOLT HEATER-ST-15.75-230-340-2.5-A	2	Nos					
		BT1800023	PROTECH-GII,P/NO.8237-1597-110VDC/ACHV	1	Nos					
12	C-3541/TTL/11	Oil Cooler	Oil Cooler	1	Set	275	140	162	1700	2000
13	C-3541/TTL/12	Oil Filter	Oil Filter	1	Set	145	120	158	700	850
		SB0021005	RING-HR-MAC-870-500-3-12-18-665-MB03	1	Nos					
14			ALTERNATOR	1	Set	600	460	280	38000	41000
15						340	290	320	3200	4000
16						360	70	200	2000	3000
17			BOWL CENTRIFUGES (OIL)	1	Set	150	112	189	510	700
Total Weight									133530	148770





Photos of almost identical sister package:

