

ANNEXURE

NORTH CHENNAI THERMAL POWER STATION -I

BOILER FEED PUMP CATRIDGE MODEL NO: FK6D30

MATERIAL OF CONSTRUCTION

ITEM NO	DESCRIPTION	MATERIAL
1	Abutment Ring	BS 970 316 S16
2	Balancing Drum	BS 970 431 S29
3	Back up ring (for O ring)	Fluoro carbon
4	Bearing Housing DE (for top)	BS 1501 161 430
5	Bearing Housing DE (for bottom)	BS 1501 161 430
6	Bearing Housing NDE (for top)	BS 1501 161 430
7	Bearing Housing NDE (for bottom)	BS 1501 161 430
8	Bush (Balancing drum)	FV 520 B
9	Diffuser 1st Assy	BS 1504 425 C11
10	Diffuser 2nd Assy	BS 1504 425 C11
11	Diffuser 3rd Assy	BS 1504 425 C11
12	Diffuser 4th Assy	BS 1504 425 C11
13	Diffuser 5th Assy	BS 1504 425 C11
14	Diffuser last Assy	BS 1504 425 C11
15	Discharge cover Bolts	ASME SA 193 GRB7
16	Discharge cover Bolt Nuts	ASME SA 193 GRB7
17	Floating seals	Bronze
18	Gasket (Copper Coated)	---
19	Impeller Assy 1st stage	BS 1504 425 C11
20	Impeller Assy 2nd stage	BS 1504 425 C11
21	Impeller Assy 3rd stage	BS 1504 425 C11
22	Impeller Assy 4th stage	BS 1504 425 C11
23	Impeller Assy 5th stage	BS 1504 425 C11
24	Impeller Assy Last stage	BS 1504 425 C11
25	Journal Brg. DE/NDE	TY 090 KSA 065 WM/MS
26	Key (Shaft Sleeve)	BS 970 431 S29
27	Key (Thrust collar)	BS 970 431 S29
28	Key (Balancing Drum)	BS 970 431 S29
29	Key (Coupling Hub)	BS 970 431 S29
30	Key (Impeller)	BS 970 431 S29
31	Lock washer (Thrust collar nut)	---
32	Lock washer (Balancing drum nut)	---
33	Mechanical seal (DE)	steel
34	Mechanical seal (NDE)	steel
35	Nut (coupling)	---
36	Nut (Balancing drum)	---
37	Nut (Thrust collar)	BS 2872 CA 104
38	"O" ring (Ring sections)	Fluoro carbon
39	"O" ring (End cover)	Fluoro carbon

40	"O" ring (Casing discharge cover)	Fluoro carbon
41	"O" ring (Water jacket)	Fluoro carbon
42	"O" ring (Water jacket)	Fluoro carbon
43	"O" ring (Insert ring)	Fluoro carbon
44	Oil Guard (DE/ NDE)	BS 1400 LB 2
45	Oil thrower (DE/NDE)	BS 970 431 S29
46	"O" ring (oil guard)	Fluoro carbon
47	Packing ring for diffuser (wear ring)	FV 520 B
48	Packing ring for ring section & suction guide (wear ring)	FV 520 B
49	Shaft	BS 970 420 S29 R
50	Spring disc	FV 520 B
51	Suction guide	BS 1504 425 C11
52	Thrust collar	EN 8
53	Thrust Bearing (Glacier type)	TY 8159 2KP 2KP
54	Thrust pad	---
55	water jacket DE	BS 1504 425 C11
56	Water jacket NDE	BS 1504 425 C11
57	wear rings impeller (eye)	FV 520 B
58	wear rings impeller (neck)	FV 520 B
59	Piston ring set (O ring for stage body)	Fluoro carbon
60	Mataflex Gasket	---
61	Spare catridge	---
62	Mataflex Gasket	---
63	"O" ring	Fluoro carbon
64	Back up Ring	PTFE
65	Insert ring	---
66	Breather	steel
67	Set of Fasteners	---
68	Inter stage TAP-off Bush	---
69	Air breather assy	Steel

Note: The spare boiler feed pump catridge available at site may be inspected for further information.

