

FRANCO TOSI INDUSTRIALE
Società per Azioni

CONTRACT DATA SHEET

CONTRACT NO. 1522

CONTRACT DATE 10-1-80

PURCHASER G.I.E. FOR REPUBLIC OF IRAQ - MINISTRY OF INDUSTRY AND MINERALS

USER STATE ORGANIZATION OF ELECTRICITY

PLANT NAME BAIJI POWER STATION

CONS. ENGR.

INDUSTRY UTILITY

BOILER

No. 6

SQ. M. H.S. 1037 Radiat. BOILER 7877-78-79
PER UNIT 870 Convec. NUMBER 7880-81-82

PRESS

DESIGN 165 kg/cm²G

DESIGNATION

10490 137 - 63.5
10490 137 - 63.5 RRP-Box-66"

OPERATING S.H.O. 144 "

TURBINE THROTTLE 140 "

FURNACE

VOLUME CU. M. TOTAL 2259

TYPE OF BOTTOM Basket

WIDTH 10490

Fusion weld panels

FRONT TO REAR 10490

SUPERHEATER

TYPE Two stage horizontal

REHEATER

TYPE Horizontal

ECONOMIZER

N.° 1

TYPE Continuous fins surface
136x50.8 OD - 16H

AIR HEATER

N.° 2

TYPE Ljungström 26 V1-X - 1155

FUEL BURNING EQUIPMENT

Tilting tangential burners

12 Fuel Oil Burners Steam Assisted Atomization - 12 Fuel Gas Burner

FUEL

Heavy oil LHV 9700 kcal/kg

Crude oil LHV 10120 Kcal/kg

Natural gas LHV AVG9500 kcal/Nm³

OPERATING CONDITIONS

FUEL		OIL			NATURAL GAS		
		MCR	CL	PK	MCR	CL	PK
STEAM Kg./hr. ACTUAL	S.H.	715.000	376.000	750.000	715.000	376.000	750.000
	R.H.	656.000	348.000	680.000	656.000	343.000	680.000
STEAM TEMP. °C. LEAVING	S.H.	540	540	540	540	540	540
	R.H.	540	540	540	540	540	540
REHEAT DATA	ENTERING TEMP °C	377	327	382	377	327	382
	ENTERING PRESS Kg./cm ²	43.0	22.6	46.3	43.0	22.6	46.3
FEEDWATER TEMP °C		252	218	252	252	218	252
TEMP. AIR TO AIR HEATER °C		60	78	61	60	78	61
TEMP. GAS FROM AIR HEATER °C (uncorr)		165	147	166	165	147	166
OVERALL EFFICIENCY % on L.H.V *		93.63	-	-	-	-	-

SUPPLEMENTARY DATA

INSTALLATION OUTDOOR

GENERATOR KW

MFR. RATING

TOSI'S SUPPLY INCLUDES: FANS, DUCTWORK, CASING, SETTING, INSULATION AND LAGGING, STRUCTURAL STEEL, SOOT BLOWERS, DESUPERHEATERS FOR SH. & RH.

*GUARANTEED