



TITLE: 1X500 MW UKAI TPS UNIT-6
UKAI

PROJECT INFORMATION

SPECIFICATION NO. PE-TS-329-616-C001

VOLUME – IIB

SECTION “B”

REV. 00

SHEET 1 OF 3

GSECL

1X500MW GSECL UKAI TPS UNIT-6

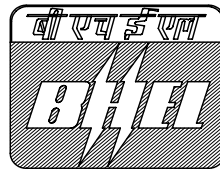
UKAI

VOLUME: II B

SECTION - B

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Bharat Heavy Electricals Limited

Project Engineering Management

Power Sector, PPEI Building

Noida – 201 301

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	PROJECT INFORMATION	SECTION “B”		
		REV. 00		
		SHEET 2 OF 3		

INTRODUCTION

(A) INTRODUCTION

BHEL's Client M/s Gujarat State Electricity Corporation limited (GSECL) has their existing 5 units pulverized Coal based Power Plant at Ukai Thermal Power Plant Distt- Tapi Gujarat. The said client has undertaken the process of expanding the capacity of the power plant by setting up on more power generation unit of 490 MW. The Ukai TPS is about 90 km from Surat .The site is approachable by road .The nearest railway station is Ukai- Songarh.

(B) LOCATION & APPROACH

- 1) Existing Project : Total Five units of 120,200 & 210 MW
- 2) Project : Thermal Power Station Unit#6 (500 MW), Ukai
- 3) Project location : UKAI,DIST:TAPI,GUJARAT STATE

Nearest Railway Station: SONGARH on the broad gauge, connected from Surat junction on Howrah line. Power Station is having broad gauge private railway siding served through Rly. Station at distance of about 10 Kms.

ROAD: The site is also connected by roads from SURAT-DHULIA through highway SH-6 at a distance of 10 Kms from Songarh.

(C) CLIMATIC CONDITIONS

Maximum temperature	: 45 Deg Celsius
Minimum temperature	: 5 Deg Celsius
Max daily average temp	: 35 Deg Celsius
Max yearly average temp	: 30 Deg Celsius
Maximum Humidity	: 85%
Minimum Relative Humidity	: 15%
Average Annual rainfall	: 1500mm (During June -Sep)



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Wind Velocity : 20 km/hr

(D) Seismic Zone: As per IS 1839/70: Zone -III