



*Empowering India
through
Thermal Power Projects*

Project Details

Merits of Site Location

A Brief Intro:

M/s. Luxor Energy Private Limited (LEPL) is promoted by SANALI GROUP under the able leadership of the Dynamic & Visionary Entrepreneur Mr. Noorul Haq, whose vision, mission and philosophies has carved a niche in the Construction & Infrastructure sectors of the Real estate field during last two decades.

The Trail Blazing Company - SANALI

Sanali is a trail blazing construction company which is at the forefront of the infrastructure revolution that's moving to tackle the astounding growth of the Indian economy. It tackles this challenge on all fronts ranging from Housing Colonies to IT Parks and from Shopping Malls to Residential Apartments. Its dedication to this cause along with its quality of execution on its promises has made it one of the most respected one in Hyderabad. In Concordance, It has crossed the expectations by successfully promoting a multitude of high profile projects at pivotal locations in cities like Hyderabad and Bangalore that are leading the Indian IT revolution.

- Road Accessibility
- Rail Accessibility
- Transportation of Coal and Proximity to the proposed site from Goa Port by Rail
- Availability, Guarantee & Commitment of Requisite Quantity of Water & Proximity to Water Source Krishna River/Almatty Dam
- Proximity to the grid for Evacuation of Power
- Favorable State Govt. Industrial Policy
- Availability of Dry Industrial land in one Block
- Least R&R issues and no Homestead oustees
- Not much vegetation
- Nearest village within a Kilometer
- Accessibility to Broad-Gauge Railway line which is just 3 Km away
- Imported coal transportation to site is possible by Rail way
- No Ecologically/ Environmentally Sensitive issues, i.e. no archeological important and forest area within 10 Km radius
- National Highway No.218 is just 500 mtrs
- State Industrial Policies encourages setting up of industries in the Backward Taluk of Basavana Bagewadi of Bijapur District

According to The Karnataka Industrial Policy 2009-14, Basavanbagewadi Taluk of Bijapur District is classified as Most Backward Taluk.

The Policy of State Government is to promote industries in these Backward Districts in order to create employment, develop backward region and encourage value addition to the local resources.

Therefore, the management has chosen Mulwad village in Basavanbagewadi Taluk, Bijapur District, Karnataka for locating the plant.

Today, LEPL is developing Coal Based supercritical Thermal Power Generation Plant with a Capacity of 1320 MW in 2X660 MW configuration keeping in view many aspects such as the efficiency of plant operations, the economies and environmental aspects.

Vision

LUXOR ENERGY strongly believes that India is naturally endowed with land, water, fossil fuels and Manpower to set Power plants. It steps forward with a vision to:

- Minimize the gap between Demand and Supply by adding new Power Generation unit.
- Reduce emission levels by using Super Critical Technology.
- Provide more employment to the local area candidates and Contribute to local area development.

Mission & Value Statements

The Sanali Universe revolves with the customer at its center. In this light, a comprehensive portfolio of 'diverse construction projects under one roof' has been the aim and achievement of it.

We, the whole team of Sanali, understand the trust the customer places with us when he/she partners with us to achieve his/her business, personal or real estate needs. We go to great lengths to ensure that such trust has not been misplaced. We are dedicated to providing the clients with end to end solutions that meet their varied and diverse needs with an equally varied and diverse range of products with unmatched quality of service. We work by the motto of "build it right the first time" along with our dedication to the values of integrity, reliability and quality which create an environment that is conducive to the growth of both the customer and ourselves.

Luxor Energy The Plant



SANALI sounds SUCCESS

With a lead team that is second to none, Sanali has demonstrated the conversion of dreams to reality with the aid of a concrete vision that has never faltered. Yet as sanali enters a new age with quite a few milestones behind it, complacency is still far away from the fiber of the company as it was on day one of its inception. With its vision and spirit intact sanali has started to move onto bigger and better things starting with 3 enormous projects in the cultural & commercial capital of the Middle East: Dubai. It's on its way ahead into the future, unflinching at the threshold of promises made and at the cusp of greatness.

The Eminent Team of Management:

"Sanali Group" is managed by dedicated, enthusiastic and committed partners/directors, who are the members of a closely held family, headed by the young and ambitious entrepreneur Mr. Mohammed Noorul Haq. He has been the General Secretary of the Andhra Pradesh Builders Association and is now the Vice President of the same. His contribution in the rationalization in construction by laws in Andhra Pradesh has been substantial. Recognizing his valuable contribution in the field of trade and business, the government of India has conferred him with many prestigious awards like, "Gem of India Award", "Rashtriya Gaurav Award", "Udyog Pratibha Award", "International Status Award", "International Trade Promotion Award", "Rashtriya Nirman Ratan Award" to name a few.

Success has not come easy, but through a combination of various factors. Luck, Hard Work, Honesty and Keeping one step ahead of other competitors' vide exposure to the latest trends in technology. The other notable factor has been 'being receptive to customer's needs and budgetary constraints'. As a result of this, all of his constructions are available at rates which are affordable, reasonable and well fit within budget limits. All of the above has earned Mr. Haq numerous awards.

Technical details

1.	Project	Coal based supercritical power plant, KIADB Industrial Area, Mulwad, Basavana Bagewadi Taluk, Bijapur district, Karnataka.
2.	Plant capacity	1320 MV
3.	Plant configuration	2 units of 660 MW each
4.	Location details	
	Name of the villages	Mulwad
	Latitude	160 33' 16.03" N
	Longitude	750 43' 44.52" E
	Height above MSL	588 m
	Seismic zone	Zone-II as per 1893 (part-I) 2002
	Distance from Basavanabagewadi town	18.5 km
	Distance from National highway No: 218	0.5 km
	Distance from state highway No.	15.0 km
	Distance from nearest Railway station Mulwad (Hubli-Bijapur)	5.0 km
	Distance from nearest Airport Hubli	165 km
	Distance from nearest sea port GOA	460 km
5.	Catological datalim	
	Annual max. mean tem.	32.9 OC
	Annual min. mean temp	20.6 OC
	Extreme Highest temp.	44.9 OC
	Extreme Lowest temp. OCRelative Humidity	06.7
	Max	85%
	Min	28%
	Average Annual Rainfall	671.6 mm

	Heaviest Rainfall in 24 hours	181.1 mmz
	No. of Rainy days in a year	40.5
	Highest monthly mean of wind speed	18.4 km/h
	Lowest monthly mean of wind speed	03.8 km/h
	Max. wind speed	61.0 km/h
	Design ambient temperature	50 OC
5.	Land	Area in acres
	Power plant	270.00
	Coal Handling plant & marshalling yard	130.00
	Water reservoir(15 days)	44.00
	Green belt	226.00
	Emergency Ash Dyke (MOEF Notification dt. 3.11.09)	220.00
	Corridors for Railway	
	line & Water pipe line	10.00
	Total area in acres	900.00
6.	Water	
	Source of water	Krishna River - 16 km
	Water requirement	4,430 m3/hr
7.	Fuel	
A.	Primary fuel	Coal
	Blending ratio	Indigenous- 70% mported - 30%
	Source	Indigenous-CIL/coal blocks Imported- S.A/Indonesia/ Austaria

	Indigenous coal GCV	3500 k.cal/kg
	Imported coal GCV	5100 k.cal/kg
	Annual coal requirement (with average GCV of coal as 3980 k.cal/kg & Station Heat Rate @ 2380 k.cal/kwh)	1) 5.92 Million M.T - @ 85% PLF 2) 6.92 Million M.T - @ 100% PLF
B.	Secondary fuel	HFO/LDO
	Source	From nearest refinery/oil depots
	Secondary fuel requirement	9,900 KL/ year
8.	Steam Turbine	The steam Turbine will be single shaft, multi cylinders, tandem compound single reheat, regenerative, condensing unit directly coupled to AC Generator giving a continuous rated output at generator terminal.
9.	Steam Generator	Steam Generator will be super-critical pressure balanced draft furnace, single reheat, radiant, dry bottom type, sliding pressure operating, suitable for outdoor installation designed for firing pulverized coal as main fuel.
10.	Cooling system	Closed cycle cooling system using natural Draft cooling tower
11.	Chimney	One 275 meter high twin flue RCC Stack
12.	Station operation philosophy	Base Load
13.	Power Evacuation	400 KV System for feeding to PGCIL grid.
14.	Ash	
	Generation	2.01 M.MT
	Utilization	Cement industries/SSI

Project Location



Bangalore Office:

#208, Prestige Centre Point,
7, Edward Road,
Bangalore 560052,
Karnataka, India.

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