

BELLARY THERMAL POWER STATION UNIT – III FOR THE
MONTH OF September 2014

Location: Kudatini, Bellary District. Karnataka State

Capacity: 1 x 700 MW

Annual Energy: 5212 MU (85% PLF)

Estimated cost of the Project: Rs.4686.00 crores

Commissioning by: March 2015

- LoA was issued on 28.09.2010 to M/s BHEL for the procurement of 1 x 700 MW with Steam Generator (Super critical) and Steam Turbine Generator (Super critical) and associated works on EPC basis at the negotiated price of ₹ 3700 crores.
- **Coal Handling Plant:**
 - ✓ **Wagon Tippler WT4:** RCC works is in progress.
 - ✓ **WT5:** Feeder floor slab completed. RCC work is in progress.
 - ✓ **Stacker re-claimer:** Erection of rails & assembly of Stacker re-claimer components are in progress.
 - ✓ Junction Towers Fabrication & Erection work is in progress.
 - ✓ **Stock Pile:** Grade slab concrete completed.
 - ✓ **Structural fabrication:** 4500MT completed out of 11000 MT.
 - ✓ **Structural Erection:** 900 MT completed out of 11000 MT.
- **Ash Handling Plant.**
 - ✓ Vacuum pump house – civil works completed.
 - ✓ Silo 1 & 2 Nos. Rising of columns is under progress.
 - ✓ Ash slurry & Ash water pump house: civil works in progress
- **Power house:**
 - ✓ Floors completed at different elevation .
 - ✓ Fabrication and erection of structural works is in progress (8300 MT completed out of 9000 MT).
 - ✓ ESP Control Room: case & brick masonry work is in progress.

- **Mill & Bunker bay:** Fabrication and erection of structural works is in progress 5400 MT completed out of 5500 MT
- **Boiler erection:** 20100 MT erected out of 29000 MT.
- **ESP-** 8200MT erected out of 8550 MT
- **Mills-** Erection of Mills are in progress
- **ID-FAN** Erection is in progress.
- **HT & LT panels:** Erection completed & cabling work is in progress.

TURBINE:

- HP Turbine erected & alignment is under progress.
- IP bottom casing erected & cleaning is under progress.
- IP rotor lifted to 17.5M floor.

Condenser:

- Lower dome wall internals erection & alignment U/P.

Turbine Auxiliaries:

- TDBFP-A-Boiler feed pump, drive turbine, gear box & booster pump alignment completed & grouted.
 - TDBFP-B rotor alignment completed & Boiler feed pump
 - TDBFP-A & B lube oil console system erection U/P. & booster pump packer plate blue matching is in progress.
 - MDBFP- 04 Nos coupling heating & inserted on the shaft. Motor erected & alignment is in progress.
- **Chimney:** Shell Concreting completed. External platforms & corbels completed brick lining completed up to 211.00 m.
 - **Cooling Tower** raker columns completed. Pond floor is completed. 1455 Nos. of pre-cast beams casting completed. Shell 126 m completed out of 177.50m.
 - **Service Water Over Head Tank:** 33 m Shell concreting completed out of 36.5 M.
 - **Clarified Water Storage Tank:** Casting of slab for tank 3 & 4 is completed, Raising of wall for tank 1 & 2 is in progress.
- **CW pump house:** Erection of columns & beam completed.
 - **CW pipe line:** 1700MT completed out of 2500MT
 - **Raw water storage Tank:** raft completed & concreting of wall above raft is in progress.
 - **DM make up pump house:** Roof slab completed .

- **DM water storage tank:** completed.
- **RODM Building:** Equipment foundation is completed. Cable/pipe/ drain trenches completed & grade slab is in progress.
- **Compressor House:** completed .Erection of equipment is in progress.
- **Transformer yard:** completed.

- **400 Kv switch yard:**
- Erection of equipment like CT, bus post, Isolators etc are in progress.
- **Fuel oil pump house: Column foundations** –Erection of structure completed.

- **Coal:** Ministry of Coal vides Notification dtd 03.07.2013 has allocated Deocha-Pachami Coal block in West Bengal for KPCL MoC has been addressed vide letter No. A1M1B3/917 dated 7.10.2013 for allocation of tapered linkage till the coal from the allotted coal block is materialized (copy of the letter enclosed)

Financial Progress

Expenditure incurred up to 30.09.2014 – Rs.3532.57crores

No. A1M1B3/917

07.10.2013

The Secretary,
Ministry of Coal,
Shastri Bhavan,
New Delhi- 110 001

FAX – 011 23385652

Sir,

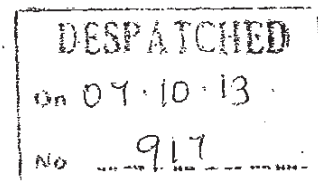
Sub:- Karnataka Power Corporation Limited- Coal requirement of Bellary TPS Unit-III (700 MW) till coal production is achieved from the allocated coal blocks...reg

- Ref:- 1) KPCL application vide letter No. A1M1B3/BTPS Unit 3/80 dated 24.04.2010 for allocation of Long term coal linkage for BTPS Unit III
2) KPCL application vide letter No. A1M1B3/ BTPS/Coal Blocks/1188 dated 24.01.2013 for allocation of coal blocks for BTPS Unit III
3) Ministry of Coal, Gol communication No.13016/26/2004-CA-I (Pt.) dated 6.09.2013 regarding allocation of Deocha-Pachami coal block

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Karnataka Power Corporation Limited (KPCL), a premier Government of Karnataka enterprise in the field of generation of electricity is implementing Bellary Unit III (700 MW) coal based thermal Power project on a fast track basis in order to meet the power requirement of the State. All statutory clearances for the project including MOEF clearance have already been obtained. The Power Purchase agreement has already been executed with the State distribution companies on 18.12.2010.

In order to seek the coal requirement for this project, KPCL submitted the necessary application along with the fee of Rs. 5.0 lakhs vide our letter cited under reference (1) above, requesting for allocation of Long Term Coal Linkage for this Unit. A copy of the application submitted is enclosed herewith for kind perusal.



o/c

Further, in response to the Ministry of Coal notification regarding allocation of coal blocks, KPCL also applied for allocation of coal blocks for BTPS Unit III vide our letter cited under reference (3). Considering our application, Ministry of Coal, has allocated Deocha-Pachami coal block to KPCL projects of Yermarus TPP (1600 MW) and BTPS Unit III (700 MW). Since Deocha-Pachami Coal Block is very large in size in terms of coal reserves, it has been jointly allocated to six State Government Companies / Corporations. For operational purpose, all the Companies or joint allocatee states should form a Special Purpose Vehicle (SPV) or any other form of body incorporated as an independent entity (JV). Deliberations in this direction have already been initiated. However, it will take a minimum of about 5 to 6 years to develop the block and to ensure the required coal supply from the coal blocks. It will take about 5 to 6 years till required quantity of coal production is achieved from these coal blocks.

At this juncture, it is to inform that BTPS Unit III (700 MW) is being taken up by KPCL at an estimated cost of Rs.4686 crores. BHEL are executing the erection of this project on EPC basis. The erection activities are in an advanced stage. Brief note on the details of the latest progress of various erection activities of the project is enclosed herewith for kind information. This **Unit is scheduled for commissioning by the end of December'2014.**

Coal supply to meet the requirement of Unit III of BTPS has to be established latest by the month of September 2014. Further, the boiler for this Unit is designed for consumption of indigenous coal blended with imported coal. The blending ratio considered for design is 70:30 i.e 70% indigenous coal and 30% imported coal. The indigenous coal requirement is 3.30 mtpa i.e. about 2.75 lakh MT per month. Hence it is requested to kindly arrange for **coal allocation of**

2.75 lakh MT of indigenous coal per month from September 2014 till such time full coal production is achieved from the allocated coal blocks of Deocha –Pachami in West Bengal.

It is once again requested to consider our request favorably and allocate coal as requested above, to facilitate operation of Bellary Unit III so as to mitigate the power deficit situation of the State of Karnataka.

Thanking you,

Yours faithfully,
for Karnataka Power Corporation Limited,


Managing Director

Cc:- The Secretary (Power),
Ministry of Power,
Govt. of India,
New Delhi

Joint Secretary (Coal Linkage),
Ministry of Coal,
Govt. of India,
New Delhi

The Chairperson,
CEA, New Delhi

Director (Coal Linkage)
Ministry of Coal,
Govt. of India,
New Delhi



**Mahanadi
Coalfields
Limited**
(A Subsidiary of Coal India Limited)
A Mittal Group Company

Office of the General Manager(S&M)

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No. MCL/SBP/GM(S&M)/2014/ 1307

Dt.18.09.2014

To,

The Superintending Engineer (Fuels),
M/S Karnataka Power Corporation Ltd.,
'Shakti Bhavan',
No.-82, Race Course Road,
Bangalore - 560001
Karnataka

SUB: Submission of Security Deposit

Dear Sir,

This is in reference to your letter No. - A1M1B3 Dtd. - 16/09/2014 expressing your interest to enter into MoU for supply of coal from Kudla / Basundhara mines to your Bellary TPS (Unit - III) under Presidential Directive Dtd.-17/07/2013 for supply of coal to power plants not having any Fuel Linkage as per the letter Dtd.- 27/08/14 issued by the Under Secretary to the GOI,MOC.

Before your request is processed, you are requested to submit security deposit for an amount of ₹192444000.00 either in form of demand draft or in the form of Bank Guarantee in the prescribed format. In case Security Deposit is submitted in the form of Bank Guarantee, the same should be valid up to Sept. 2015.

Yours faithfully,

General Manager (S&M)

CC TO:

- DT (O), MCL HQ.
- The Executive Director (BTPS),
Bellary Thermal Power Station,
Karnataka Power Corporation Ltd.,
Kuduthini-583115,
Dist.-Bellary, Karnataka