

नई योजना:-

(क) 4000 मेगावाट अल्ट्रा मेगा पावर प्रोजेक्ट, बाँका

बिहार सरकार, बाँका में 4000 मेगावाट का अल्ट्रा मेगा पावर प्रोजेक्ट के लिए सैद्धान्तिक रूप से सहमति प्रदान की है।

पावर फाइनेंस कोरपोरेशन, भारत सरकार को शुरुआती कार्य जैसे की जमीन अधिग्रहण इत्यादि एवं उत्पादन इकाई लगाने के इच्छुक कम्पनीयों के लिए निविदा आमंत्रित करने के लिए कहा गया है।

तत्काल PFC द्वारा बाँका में चिन्हित जमीन अधिग्रहण करने की तैयारी चल रही है।

(ख) नवीनगर पावर जेनरेशन कम्पनी प्रा० लि०

बिहार स्टेट पावर जेनरेशन कम्पनी लिमिटेड एवं नेशनल थर्मल पावर कारपोरेशन के संयुक्त तत्वाधान में स्टेज-1 (3X660MW) का थर्मल पावर प्लांट रू० 15,131.67 करोड़ (स्टेज-1) की अनुमानित राशि से नवीनगर में बनाया जा रहा है।

इसकी पहली इकाई (660MW) मई' 2017 में दुसरी इकाई (660MW) सितम्बर' 2017 में एवं तीसरी इकाई (660MW) मार्च' 2018 में आने की संभावना है।

वित्तिय वर्ष 2012-2013: कार्य प्रगतिशील

वित्तिय वर्ष 2013-2014: कार्य प्रगतिशील

वित्तिय वर्ष 2014-2015: कार्य प्रगतिशील

वित्तिय वर्ष 2015-2016: कार्य प्रगतिशील

वित्तिय वर्ष 2016-2017: कार्य प्रगतिशील

A. K. Singh
A. K. Singh (16/09/16)

A. K. Singh
21/09/16

21/09/16

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1. पूराणी परियोजना:-

मुजफ्फरपुर वाष्प शक्ति प्रतिष्ठान की इकाई सं० 1 एवं 2 का नवीकरण एवं जीर्णोधार भारत सरकार के स्पेशल प्लान (RSVY/BRGF) के अन्तर्गत मुजफ्फरपुर वाष्प शक्ति प्रतिष्ठान की इकाई सं० 1 एवं 2 का नवीकरण एवं जीर्णोधार का कार्य BHEL एवं KBUNL के द्वारा रू० 471.80 करोड़ की लागत से कराया गया।

वार्षिक उपलब्धि:-


- वित्तीय वर्ष 2012-2013: कार्य प्रगतिशील
- वित्तीय वर्ष 2013-2014: 01.11.2013 को इकाई सं० 1 का COD सम्पन्न
- वित्तीय वर्ष 2014-2015: 15.11.2014 को इकाई सं० 2 का COD सम्पन्न
- वित्तीय वर्ष 2015-2016: इकाई सं० 1 एवं इकाई सं० 2 चालू अवस्था
- वित्तीय वर्ष 2016-2017: इकाई सं० 1 एवं इकाई सं० 2 चालू अवस्था

2. नयी योजना:

मुजफ्फरपुर वाष्प शक्ति विस्तार परियोजना 2X195 MW की इकाई सं० 3 एवं 4 का Erection and commissioning का कार्य BHEL के द्वारा NTPC के पर्यवेक्षण में रू० 3942.16 करोड़ की लागत से KBUNL के द्वारा कराया जा रहा है जिसकी अद्यतन स्थिति निम्न है:-

वार्षिक उपलब्धि:-

- वित्तीय वर्ष 2012-2013: कार्य प्रगतिशील
- वित्तीय वर्ष 2013-2014: कार्य प्रगतिशील
- वित्तीय वर्ष 2014-2015: इकाई सं० 3 का Synchronisation दिनांक 31.03.2015 को सम्पन्न
- वित्तीय वर्ष 2015-2016: इकाई सं० 4 का Synchronisation दिनांक 24.03.2016 को सम्पन्न
- वित्तीय वर्ष 2016-2017: इकाई सं० 3 एवं 4 का COD जनवरी 2017 को संभावित


21-09-16

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पुरानी योजना :-

बरौनी वाष्प शक्ति प्रतिष्ठान की ईकाई संख्या 6 एवं 7 का नवीनीकरण एवं जीर्णोद्धार

भारत सरकार के स्पेशल प्लान (RSVY/BRGF) के अंतर्गत बरौनी थर्मल पावर स्टेशन की ईकाई संख्या 6 तथा 7 के नवीनीकरण एवं जीर्णोद्धार का कार्य भेल के द्वारा एन0 टी0 पी0 सी0 के पर्यवेक्षण में रू0 581.20 करोड़ की लागत से कराया जा रहा है।

बरौनी वाष्प शक्ति प्रतिष्ठान की इकाई संख्या 7 एवं 6 के क्रमशः सितम्बर 2016 में एवं दिसम्बर 2016 में चालू होने की संभावना है।

वार्षिक उपलब्धि:-

वित्तीय वर्ष 2012-2013	: कार्य प्रगतिशील
वित्तीय वर्ष 2013-2014	: कार्य प्रगतिशील
वित्तीय वर्ष 2014-2015	: कार्य प्रगतिशील
वित्तीय वर्ष 2015-2016.	: कार्य प्रगतिशील
वित्तीय वर्ष 2016-2017	: ईकाइयों के चालू होने की संभावना है।





2. नयी योजना :-

2X250 MW बरौनी वाष्प शक्ति विस्तार परियोजना की ईकाई संख्या 08 एवं 09 के Erection & Commissioning का कार्य BHEL द्वारा M/s STEAG के पर्यवेक्षण में रू0 5308.07 करोड की लागत से कराया जा रहा है।

बरौनी वाष्प शक्ति प्रतिष्ठान की ईकाई संख्या 08 एवं 09 के क्रमशः मार्च 2017 एवं जून 2017 में चालू होने की संभावना है। कार्य प्रगति की अद्यतन स्थिति के लिए संलग्नक संलग्न है।

उपलब्धि-

2012-2013:-	Civil Works under progress, Boiler erection started and works is under progress.
2013-2014	Boiler Drum lifting completed (Unit 8 & 9) and works is under progress.
2014-2015	Condenser erection and TG erection started, Boiler Hydrotest completed and work is under progress.
2015-2016	Condenser erection completed, Start up power available, TG Box up activity under progress & in finalization stage, TG Oil flushing under progress only bearing flushing pending, TG Barring Gear under progress Civil works upto 80% and Erection & commissioning works upto 72% completed.


R. S. Bhatnagar



**BIHAR STATE POWER GENERATION
COMPANY LTD. (BSPGCL)**

**Barauni Thermal Power Station (BTPS) – Unit 8 & 9
2 x 250 MW Thermal Power Plant**

**FORTNIGHTLY PROJECT PROGRESS REPORT
FOR
REVIEW ENGINEERING & PMC SERVICES
BY
STEAG ENERGY SERVICES INDIA LTD.**

steag

(An ISO 9001:2008 certified Company)

STEAG Energy Services India Pvt. Ltd.

(A wholly owned subsidiary of STEAG Energy Services GmbH, Germany)

A-29, Sector-16, NOIDA-201301, India

16-31 AUGUST 2016



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2. Progress Highlights

- BOILER UNIT # 8: All civil works completed. Erection up to (97.40%) 4915/5046 MT of non pressure parts piping (coal) ducting completed and (100%) 2403/2403 MT of pressure part erection completed, (100%) 14700/14700 HP joints welding pressure parts nos. completed, Critical piping completed up to (91.20%) 684/750 Nos. Piping (Alloy & Carbon Steel erection up to (76.48%) 582/761 MT, P-91 piping completed up to (100%) 77/77 MT & Piping support completed up to (40%) 84/210 MT. Boiler insulation up to (45.83%) 335/731 MT, Boiler stage-1 hydro test of Unit 8 was successfully completed on 21st August 2014.
- BOILER UNIT # 9: All civil works completed. Erection up to (100%) 4988/4988MT of non-pressure parts, piping (coal), ducting completed and (100%) 2519/2519 MT of pressure part erection completed, (100%) 14873/14873 HP Joints completed, Critical piping completed up to (72.27%) 542/750 Nos Piping (Alloy Steel erection up to (84.92%)169/199 MT. Piping (Carbon Steel erection up to (100%) 546/546MT. Boiler insulation up to (59.51%) 435/731 MT, Piping support completed up to (54.76%) 115/210MT completed, Boiler stage-1 hydro test of unit 9 was successfully completed on 21st September 2014.
- ESP UNIT # 8: All civil works completed. Erection up to (98.96%) 3131/3164 MT completed.
- ESP UNIT # 9: All civil works completed. Erection up to (96.11%) 3041/3164 MT completed.
- Turbine Unit # 8:-
 - Erection of HP & LP Heaters up to 100% completed.
 - Erection of De-aerator feed Storage Tank and associated approach platform with ladders completed up to 100%.
 - Condenser placement, alignment. Assembly, and welding of bottom plate segments, hot well, NDT and spring elements placement & Grouting completed up to 91 %.
 - Condenser Assembly and positioning of water chamber, side plates, bottom plates, welding and NDT completed up to 100%.
 - Condenser Assembly alignment and welding & NDT of tube support plates and internals like baffle plates, air evacuation pipes completed up to 100%.
 - Erection of vacuum pump including auxiliaries and connected pipelines completed up to 70%
 - Erection of DMCW (Boiler) Pump for completed up to 100%.
 - Erection & Grouting of DMCW (TG) Pump completed up to 100%.



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- Erection, of tanks & Vessels completed up to 100%
- Erection, of plate Heat Exchanger package completed up to 90%.
- Erection of Seal oil and Gas System completed up to 60%.
- Preparation of foundation, leveling, matching and grouting of foundation plates of Turbo Generator completed up to 100%.
- Foundation chipping, blue matching of foundation and leveling, centering of grillage/foundation frame and bolt grouting and grouting in totality of Rotating Auxiliaries completed up to 100%.
- Placement & matching of feed pump, booster pump, motor, hydraulic coupling and preliminary alignment of BFP completed up to 100%.
- Erection of Lube oil pumps, oil centrifuge, main oil tank, coolers and other related equipment /Items with related grouting completed up to 100%.
- Erection of Misc. pumps package (Horizontal & Vertical) i.e.DM Make up, Raw Water, CW Make up, APH Wash, IBD Tank Spray, HVAC, Portable water, Service Water etc completed up to 58.75%.

➤ Turbine Unit # 9:-

- Erection of HP & LP Heaters up to 90% completed.
- Erection of De-aerator feed Storage Tank and associated approach platform with ladders completed up to 100%.
- Erection of Tanks & vessels completed up to 70%.
- Erection, of Plate Heat Exchanger package completed up to 70%.
- Condenser placement, alignment, assembly and welding of bottom plate segments, hot well, NDT and spring elements placement & grouting completed up to 83%.
- Condenser Assembly and positioning of water chamber, side plates, bottom plates, welding and NDT completed up to 100%.
- Preparation of foundation, leveling, matching and grouting of foundation plates of Turbo Generator completed up to 70%.
- Preparation of foundation, placement, alignment and grouting of base plates of LPC and bearing pedestals of Turbine completed up to 100%.
- Erection & Grouting of DMCW (Boiler) Pump completed up to 80%.
- Erection & Grouting of DMCW (TG) Pump completed up to 85%.
- Erection of vacuum pumps including auxiliaries and connected pipelines completed up to 90%
- Placement & matching of feed pump, booster pump, motor, hydraulic coupling and preliminary alignment of Rotating Auxiliaries completed up to 100%.
- Foundation chipping, blue matching of foundation and leveling, centering of grillage/foundation frame and bolt grouting and grouting in totality of Rotating Auxiliaries completed up to 100%.



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- Erection of Seal oil and Gas System completed up to 60%.
 - Erection of Lube oil pumps, oil centrifuge, main oil tank, coolers and other related equipment /Items with related grouting completed up to 87.5%.
- Chimney: Chimney shell completed.
- Chimney Fabrication (Platform & Balance Structure) 100% complete (633 out of 633 MT)
 - Chimney Fabrication flue can 100% complete (831 out of 831 MT)
 - Chimney erection Beam Chequered Plate 100% complete (550 out of 550 MT)
 - Erection Flue Can 100% complete (831 out of 831 MT)
 - Inside painting 100 % complete (16350 out of 16350 sqm)
 - Outside Painting (Polyurethane) 100% complete (2700 out of 2700 sqm)
 - Outside Painting (Cement based) 100% complete (14700 out of 14700 sqm)
- CW & ACW piping works of Unit # 8 erection 98.09% (1132 out of 1154 MT completed).
- CW & ACW piping works of unit # 9 erection 84.88% (994 out of 1171 MT completed).
- Structural Progress of Unit # 8
Power House, Mill Bunker, ESP Control Room, & pipe rack- fabrication 95.99% completed, (10799 MT out of 11250 MT complete) & Erection 97.16% completed (10930 MT out of 11250 MT).
- Structural Progress of Unit # 9
Power House, Mill Bunker, ESP Control Room, & pipe rack- fabrication 96.70% completed, (9936 MT out of 10275 MT complete) & Erection 86.27% completed (8864 MT out of 10275 MT).
- Structural work BOP Fabrication & Erection
- Watch tower fabrication 93.50% completed (74.8 out of 80 MT) & Erection completed 96.67 % (58 out of 60 MT)
 - Store Building fabrication 99.82% completed (549 out of 550 MT) & Erection 100% (540 out of 540 MT).
 - CW PUMP HOUSE Fabrication completed 81.50% (326 out of 400 MT) & Erection 50.25% completed (201 out of 400 MT)



- Clarified Water Pump House Fabrication 99% (99 out of 100 MT) & Erection 99% completed (99 out of 100 MT).
- DM Plant structure fabrication completed 77.63% (29.5 out of 38 MT) & Erection 76.31 Completed (29 out of 38 MT)
- DM Tank Fabrication and Erection & Alignment completed 100% (95 out of 95 MT)
- TP-2 Fabrication 98.47% completed (129 out of 131 MT) & Erection 90.84% (119 out of 131 MT)
- TP-3 Fabrication 80.68% completed (463 out of 574 MT) & Erection 66.91% (384 out of 574 MT)
- Buffer Hopper Fabrication 89.01% Completed (119 out of 134 MT) & Erection 37.40% (50 out of 134 MT)
- Ash slurry pump house Fabrication 100% completed (48 out of 48 MT)
- Crusher House fabrication 66.52% completed (606 out of 911 MT) Erection 25.14% (229 out of 911 MT)
- ERH shed Fabrication 100 % completed (18 out of 18 MT)
- Stacker cum reclaimer erection of rails 100% completed (788 out of 788 RM) , SCR grouting of rails 100% completed (788 out of 788 RM) & Erection of SCR 80% completed (300 out of 375 MT)
- 24 M STD. Gallery fabrication 99.28% completed (138 out of 139 MT) & Erection 17.99% completed (25 out of 139) CONV. 6A-6B fabrication 98.33% completed (531 out of 540 MT) & Erection 59.26% (320 out of 540MT)
- 6A/6B Trestle Fabrication 97.97% completed(175 out of 179 MT)
- Conv. 2A/2B fabrication 79.52% completed (141 out of 177 MT)
- Conv. 3A/3B fabrication 96.67% completed (145 out of 150 MT) & Erection 74% completed (111 out of 150 MT)
- Conv. 4A/4B fabrication 100% completed (30 out of 30 MT)
- Conv. 6A/6B fabrication 98.33% completed (531 out of 540 MT) & Erection 59.26% completed (320 out of 540 MT)
- Pipe Rack fabrication 100% completed (228 out of 228 MT) & Erection 25.50% (51 out of 200 MT)

13. Electrical

- For startup power switchyard main bus-2 charged through line-3 to line-6(Biharsarif to Begusarai) on 1-3-16.
- Bus coupler made on for bus -1 and bus -2 on 3.3.16.
- Station transformer (220 kv/6.6 kV) charged from switchyard on 4-3-16.
- 6.6 kV High tension bus at 3.5M lvl charged on 4-3-16 consequently auxiliary transformer (6.6 kv/415v) also charged on 8-3-16.

14. Control and Instrumentation

- Load test calibration completed for Temperature gauge, pressure gauge and flow meter and load cell. Battery bank. (725amp) load test done.
- UPS (100 kva) commissioning done at 13.7M lvl on 17-3-16.
- For instrument earthing earth pit grid connection checked.



Barauni – Thermal Power Plant (2 X 250 MW)

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- ID FAN-A & FD FAN-A drives running trial taken from DCS interface.
- DDCMIS panels of BTG area erection & placement is completed
- MAX DNA (DCS) panel erection and placement for control room building completed.



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4. Major Project Milestones

SL. NO.	MILESTONE EVENTS	Unit-8		Unit-9	
		SCHEDULED	ACTUAL / (EXPECTED)	SCHEDULED	ACTUAL / (EXPECTED)
1.	Start of Project	11/03/11	11/03/11	11/03/2011	11/03/11
2.	Opening of site	18/05/11	04/05/11	18/05/2011	04/05/11
3.	Civil Work Starts	25/10/11	20/01/12	25/10/11	20/01/12
4.	Boiler Erection Start	15/07/12	10/12/12	15/06/12	21/01/13
5.	Drum Lifting	21/11/12	05/06/13	21/11/12	15/09/13
6.	Condenser Erection Start	11/11/12	15/06/14	11/12/12	12/08/14
7.	Turbine Erection Start	09/11/12	20/07/14	09/02/13	07/08/14
8.	Boiler Hydro Test	22/04/13	21/08/14	22/07/13	21/09/14
9.	Turbine Box up	11/08/13	30.12.15	11/11/13	----
10.	Boiler light up	21/10/13	-----	21/01/14	-----
11.	Baring gear	11/12/13	-----	11/03/14	-----
12.	Synchronizat ion	10/01/14	-----	10/06/14	-----
13.	Trial Run Completion	10/03/14	15/04/2017	10/06/14	15/06/2017

बिहार स्टेट पावर जेनरेशन कंपनी लिमिटेड 112

पंजीकृत कार्यालय: विद्युत भवन, बेली रोड, पटना-800021
(जेनरेशन विभाग)

दूरभाष/फैक्स : 0612-2504984, ईमेल: chiefengineerbspzgl@gmail.com
वेबसाइट www.bsphcl.bih.nic.in, सीआईएन : U40102BR2012SGC018888

पत्रांक 581
P&D/BSPGCL-36/2013

दिनांक 23/9/16

प्रेषक,

अमर कान्त झा,
मुख्य अभियन्ता (जेनरेशन)

प्रेषित,

विनोदा नन्द झा,
सरकार के उप सचिव,
उर्जा विभाग, बिहार सरकार।

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विषय: उर्जा विभाग की वेबसाइट को अद्यतन करने हेतु सूचना उपलब्ध कराने के संबंध में।

संदर्भ: आपका पत्रांक 2362 दिनांक 03.08.2016।

महाशय,

उपर्युक्त विषयक प्रसंगाधीन पत्र के आलोक में वांछित प्रतिवेदन संलग्न है।

अनुलग्नक: यथोपरि।

26/9

विश्वासभाजन,

Amar Kant Jha
23.9.16
(अमर कान्त झा)

मुख्य अभियन्ता (जेनरेशन)

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26/9/16