Half Yearly Compliance Report
2026
01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name	(3x660 MW Barh Thermal Power Project near Barh town, district Patna, Bihar of M/s National Thermal Power Corporation Limited.)
Name of Entity / Corporate Office	NTPC Barh
Village(s)	BARIARPUR
District	PATNA

Proposal No.	Stage-I: IA/BR/THE/10759/2000
Plot / Survey / Khasra No.	
State	BIHAR
MoEF File No.	No.J.13012/23/98-IA.II(T)

Category	Thermal Projects
Sub-District	Pandarak
Entity's PAN	*****0255D
Entity name as per PAN	NTPC LIMITED

Compliance Reporting Details

Reporting Year	2026
Remarks (if any)	EC compliance report for Period 1st April 2026 to 30 September 2026. (Actual Project area includes the St-1 and St-2 both phases)
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office NTPC Barh

	Project Area as per EC Granted	Actual Project Area in Possession
Private	1260.59	1245.29
Revenue Land	34.398	34.398
Forest	0	0
Others	0	0
Total	1294.9879999999998	1279.6879999999999

Others Area

Sr. no	Other Name	Area Granted	Area Actual

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Electricity	MW	05/10/2030	1980 (3X660 MW)	3138.49	660 (Unit 1)
2	Electricity	MW	14/06/2027	1980 (3X660 MW)	3629.78	660 (Unit 2)
3	Electricity	MW	03/06/2029	1980 (3X660 MW)	2750.73	660 (Unit 3)

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	Coal for the project from Amrapali Block of North Karanpura Coal fields should be used at rate of 35136 TPD having gross calorific value in the range of 3230-5430 Cal per kg and sulfur content not exceeding 0.54 percent. Fuel should be transported through railways over a distance of 250 km upto Barh Railway Station.

PPs Submission: Complied The Railway Board vide letter dated 09.01.2001 has accorded clearance for coal movement from Amarpali block of North Karanpura area of CCL to Barh STPP. The GCV and Sulphur content is within the range.	Date: 10/11/2026

General Conditions

Sr.No.	Condition Type	Condition Details
1	LAND RECLAMATION	The acquisition of land near Barh town should be restricted to 2564 acres with following break-up Plant area 625 acres Township 250 acres Ash disposal 1250 acres Greenbelt 225 acres Total 2564 acres

PPs Submission: Complied The land requirements for Phase-I (3X660 MW) and Phase-II (2X660 MW) has been restricted to 3200 Acres by MOEF CC vide their EC of Phase-II. The total land acquisition for Phase I and II is within 3200 acres.	Date: 10/11/2026

2	AIR QUALITY MONITORING AND PRESERVATION	Two stacks of height 275 m (one with two flues and another with single flue) should be installed with continuous online monitoring system at the suction side of ID Fan for smooth functioning. The exit velocity should be maintained as 24m/sec along with exit temperature of 125 degree C.

PPs Submission: Complied Two stacks of 275 m (one with two flues and another with single flue) have already been constructed. The online continuous monitoring system is being installed. Flue gas parameters as stipulated shall be complied with. The Flue gas parameter report attached as Annexure 1.	Date: 10/11/2026

3	Statutory compliance	Electrostatic Precipitator having efficiency of not less than 99.8 percent should be installed and it should be ensured that particulate emission would not exceed the prescribed limit of 100 mg per Nm3. Space should be provided for installation of FGD plant, if required in

		future.
PPs Submission: Complied ESP with 99.97 percentage efficiency installed to control particulate matter emissions. Space provision has been kept for FGD plant. The Emission report is attached as Annexure 1. FGD erection work is under progress.		Date: 10/11/2026
4	WATER QUALITY MONITORING AND PRESERVATION	Make up water for the project should be drawn from river Ganga at rate of 9185 m3 per hr. The intake point should be in the downstream of the treated effluent discharge point in the river. The intake point should be selected in consultation with CWPRS. While designing the intake structure it should be ensured that proper care is taken to avoid trapping of dolphins and other important aquatic fauna.
PPs Submission: Complied Out of total make up water of 9185 m3/hr for phase- I (3X660 MW) Water is being drawn from the river Ganga for St-1 units. The intake structures have been designed to avoid trapping of aquatic life including Dolphins. Presently no effluent is being discharged outside plant.		Date: 10/11/2026
5	WATER QUALITY MONITORING AND PRESERVATION	All effluents generated in various plant activities should be collected in the Central Effluent Plant/ Central Monitoring Basin and treated to ensure adherence to specified standards of usage.
PPs Submission: Complied All effluents generated in various plant activities is being collected in Effluent Treatment Plant and treated effluent generated is fully reused and no effluent is being discharged outside the plant.		Date: 10/11/2026
6	MISCELLANEOUS	Use of borrow earth for the project should be restricted to about 11 million cum for achieving the formation level of RL 46.2m for the plant area. The source of borrowed earth in the riverbed should be carefully identified for avoiding damage to habitats of aquatic fauna. Necessary permission for excavation of the fill material should be obtained from State Government as per legislation in vogue.
PPs Submission: Complied This activity has already been completed.		Date: 10/11/2026
7	MISCELLANEOUS	As the transportation of borrow earth will necessitate plying of large number of trucks to and from the project site, necessary transportation schedule should be drawn for avoiding traffic congestion on NH 31.
PPs Submission: Complied This activity has already been completed.		Date: 10/11/2026
8	Noise Monitoring & Prevention	Noise level should be limited to 75 dB (A) and regular maintenance of equipment be undertaken. For people working in the area of generator halls and other high noise areas of the plant personal protective equipment should be provided.
PPs Submission: Complied Ambient Noise level of 75 dB (A) is achieved at plant boundary. Regular maintenance of equipment is being ensured. People working in high noise areas are provided with personal protective equipment. The Noise monitoring report is attached as Annexure 2		Date: 10/11/2026
9	AIR QUALITY MONITORING AND PRESERVATION	For controlling fugitive dust, regular sprinkling of water in coal handling and other vulnerable areas of the plant should be ensured.

PPs Submission: Complied Regular sprinkling is being done through water tanker to control fugitive dust generated due to plant activities. Dust Suppression and Extraction System, sprinkling system and fog canon has been provisioned in coal handling area for controlling Fugitive emission.		Date: 10/11/2026
10	Statutory compliance	With 45 percent average ash content in coal and at 80 percent PLF annual ash production should not exceed 4.5 million cum. As per MoEF Notification of September 1999, 100 percent ash utilization should be ensured within 9 years of commissioning of the plant. The use of ash disposal area accordingly should be restricted to only 1250 acres including 250 acres required for stocking.
PPs Submission: Complied The fly ash utilization for period of April 2026 to September 2026 is 72.4 percent. Being complied.		Date: 10/11/2026
11	MISCELLANEOUS	The ash disposal area is proposed in Tal belt which has predominant agricultural activities. The fly ash management plan, therefore, should be so drawn as to avoid increase in fugitive dust and contamination of ground water by lining.
PPs Submission: Complied The fugitive emission from ash dyke is restricted by maintaining water cover in ash dyke. Regular water sprinkling is being done to contain Ground water around the ash dyke is being monitored periodically for its contamination if any. The Ground Water Quality Around the Ash dyke is attached as Annexure 3.		Date: 10/11/2026
12	MISCELLANEOUS	Detailed socio-economic survey should be undertaken for the area proposed to be acquired for the project for preparation of Rehabilitation Plan. The plan should be got approved from District Collector and submitted to the Ministry within one year. As submitted in the EIA Report, there should be no displacement of people due to the acquisition of land.
PPs Submission: Complied A detailed socio-economic survey has been conducted through Xavier Institute of Social Sciences, Ranchi. Based upon the report, a detailed R and R Plan has been drawn in consultation with State Govt. and VDAC. The approved RAP has been submitted to MOEF CC vide letter dated 23rd June, 2005. There is no displacement of people due to acquisition of land.		Date: 10/11/2026
13	GREENBELT	An area of 214 acres should be earmarked for creation of greenbelt of average width of 100 m along the plant boundary. In addition, extensive afforestation should be undertaken in vacant places available in other plant area, township and along ash pond. A norm of 1500-2000 trees per ha should be followed for afforestation programme. As discussed in the Expert Committee meeting, the green belt and the drainage channel should not be combined. A revised layout plan, therefore, should be submitted indicating separately the drainage and greenbelt. Financial requirement for afforestation activity should be worked out and included in the cost for the project. Detailed proposal in this regard should be submitted to the Ministry within 3 months.
PPs Submission: Complied Green belt has been developed in 245 acres of the area. Systematic Plantation is done every year through DFO, Patna. Total 236220 trees have been planted till September 2026.		Date: 10/11/2026
14	MISCELLANEOUS	A detailed Area Drainage Plan based on findings of the study undertaken by CWPRS, Pune should be prepared and submitted to the Ministry within 3 months. Special thrust should be given to avoid further flooding of Tal area due to construction of ash dyke over 1250

		acres of land. Adequate financial provisions should be made for implementation of measures such as providing additional drainage, widening of existing drains, plant area protection etc.
PPs Submission: Complied Area Drainage Plan based on the study undertaken by CWPRS has been submitted to MOEF CC on 11.12.2001. A copy of the said report has also been resubmitted to the regional office MOEF CC, Ranchi vide letter dated 02.03.2019. This activity has already been completed.		Date: 10/11/2026
15	MISCELLANEOUS	The sensitive areas should be avoided for borrow earth and a detailed scheme of work including transportation component should be worked out and submitted to the Ministry before actually initiating excavation of borrow earth. The conditions of environmental clearance should be reflected in contractual negotiations and should be strictly monitored during the entire period.
PPs Submission: Complied This activity has already been completed.		Date: 10/11/2026
16	LAND RECLAMATION	NTPC should confirm after in depth study of Tal area in consultation with recognized institutions, that it will not destroy the micro-habitat of migratory birds.
PPs Submission: Complied A study report on migratory birds in Tal area carried by Salim Ali Center of Ornithology has been submitted to MoEF CC on 11th Sep. 2003. A copy of the said report has been resubmitted to the regional office, MoEF CC, Ranchi vide letter dated 02.03.2019.		Date: 10/11/2026
17	WATER QUALITY MONITORING AND PRESERVATION	The turbidity in river Ganga should not increase above the existing level due to discharge of treated effluents from the project and that NTPC should adhere to stipulated standards of treated wastewater discharge for Thermal Power Plants.
PPs Submission: Complied Presently, no treated effluent is discharged in the Ganga River. The Report on Ganga water quality is attached as Annexure 4.		Date: 10/11/2026
18	Corporate Environmental Responsibility	NTPC should establish special Environmental Cell at site for this project for consultation on day-to-day basis during project planning and implementation of the project.
PPs Submission: Complied An Environmental Cell has been Created Environment Management Group. The details are attached as Annexure 5.		Date: 10/11/2026
19	AIR QUALITY MONITORING AND PRESERVATION	Regular monitoring for SPM, SO2 and NOx around the power plant may be carried out and records maintained. Monitoring Stations should be established in consultation with the State Pollution Control Board.
PPs Submission: Complied Regular monitoring of air pollutants at 04 locations (after consultation with SPCB, Bihar) in and around the plant is being carried out, and the same being submitted to Ministry. The monitoring data of the current period is enclosed at Annexure-6.		Date: 10/11/2026
20	PUBLIC HEARING	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance

		and copies of clearance letters are available with the State Pollution Control Board or Committee and may also be seen at Website of the Ministry of Environment and Forests at http:/www.envfor.nic.in. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Region Office.
PPs Submission: Complied Advertisement as per the requirement has been published. This activity has already been completed.		Date: 10/11/2026
21	MISCELLANEOUS	A monitoring committee should be constituted for reviewing the compliance of various safeguard measures by involving recognized local NGOs, Pollution Control Board, Institutions, Experts etc.
PPs Submission: Complied State Pollution Control Board has constituted a monitoring committee.		Date: 10/11/2026
22	MISCELLANEOUS	Full cooperation should be extended to the Scientists / Officers from the Regional Office of the Ministry at Bhubaneswar the CPCB / the SPCB who would be monitoring the compliance of environmental status. Complete set of impact assessment report and the Management Plans should be forwarded to the Regional Office for their use during monitoring.
PPs Submission: Complied Full cooperation is being extended to the Scientists / Officers from the Regional Office of the Ministry		Date: 10/11/2026
23	MISCELLANEOUS	The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.
PPs Submission: Being Complied Noted		Date: 10/11/2026
24	MISCELLANEOUS	In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures, if any.
PPs Submission: Being Complied Shall be complied if any deviation or alteration in the project is proposed.		Date: 10/11/2026
25	Statutory compliance	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991, the Impact Assessment Notification of January, 1994 and its amendments.
PPs Submission: Being Complied Noted		Date: 10/11/2026

Visit Remarks

Last Site Visit Report Date:	N/A
Additional Remarks:	

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.