

**Half Yearly Compliance Report
2025
01 Jun(01 Oct - 31 Mar)**

Acknowledgement

Proposal Name		Sipat Super Thermal Power Project Stage-III (1x800 MW)	
Name of Entity / Corporate Office		NTPC LIMITED	
Village(s)		Reliya	
District		BILASPUR	
Proposal No.	IA/CG/THE/463369/2024	Category	Thermal Projects
Plot / Survey / Khasra No.	N/A	Sub-District	Masturi
State	CHHATTISGARH	Entity's PAN	*****0255D
MoEF File No.	J-13012/02/2019-IA.I(T)	Entity name as per PAN	NTPC LIMITED

Compliance Reporting Details

Reporting Year 2025

Remarks (if any) Sipat Super Thermal Power Project Stage - III (1 x 800 MW)

Reporting Period 01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office NTPC LIMITED

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	938.51
Revenue Land	0	801.22
Forest	0	28.47
Others	1773.51	0
Total	1773.51	1768.2

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Electricity	MW	N/A	800	0	800

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
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1	AIR QUALITY MONITORING AND PRESERVATION	3.7 Adequate dust extraction/suppression system shall be installed in coal handling, ash handling areas and material transfer points to control fugitive emissions.
PPs Submission: Agreed to Comply Adequate dust extraction/ suppression system will be installed in dust prone areas.		Date: 15/05/2025
2	Statutory compliance	1.1 The PP adopt 100 percent utilization of fly ash generated as a result of the expansion being recommended and earmark a minimum area within the existing ash pond for emergency use by lining the earmarked area.
PPs Submission: Complied Ash utilization of 102.11percentage was achieved in the year 2024-25. Ash utilization of 101.26 percentage was achieved in 2023-24. 100 percent utilization of Ash as per MoEF and CC notification dated 31.12.2021 and its amendments shall be met. No separate ash dyke is proposed for the proposed Unit. Existing ash ponds will be used for the expansion project.		Date: 14/05/2025
3	GREENBELT	1.14 Extensive green cover within 2 km range of the plant boundary and for the schools within 10 KM radius shall be developed. An action plan in this regard to be prepared in consultation with state forest department/expert institution and submitted before Regional Office of the Ministry within 6 months
PPs Submission: Being Complied 32,000 saplings have been planted (through Miyawaki technique). Requests have been made to Forest Department, District Administration, Chhattisgarh Rajya Van Vikas Nigam Limited (CGRVVNL), and nearby villages Sarpanch for facilitating suitable land for plantation. Saplings have been planted with tree guards in available space at Swami Atmanand Government English/Hindi Medium School Sipat and Government M L Shukla Collage Sipat. Plantation Work will be taken up in other schools with the onset of next monsoon.		Date: 15/05/2025
4	WATER QUALITY MONITORING AND PRESERVATION	1.2 PP shall get the study done from IIT Hyderabad within 6 months for management and mitigation of environmental impacts of the existing ash pond and recommendations of the same shall be implemented within the next 2 years. In addition to this as the village is near to the ash pond, in addition to water spraying, PP shall utilise the legacy and current maximum ash, provide a 15 mt high wind barrier around the ash pond area and also carry plantation around the same. In addition to steps being taken for arresting the fugitive emission from the Ash dyke the PP shall take other concrete steps which include i) installation of additional 290 rain guns (40 m and 12 m radius), ii) Tarpaulin covering (2,30,000 Sq m), iv) Beshram plantation on ash dyke, v) Hessian cloth covering, and vi) Plantation around the periphery of ash dyke, on NTPC land. In addition to regular monitoring PP shall collect the ground water samples from the area falling within 500 meters of the ash dyke analyse the same and take corrective measures. The budget earmarked for the above activities is Rs 2.7 Cr which shall be kept in a separate account and audited annually. PP shall submit the action taken with expenditure details, photographs (before and after) and other documents in six monthly compliance report.
PPs Submission: Being Complied Work order had been placed upon IIT Hyderabad for assessment of environmental impacts of the existing ash ponds on surrounding ground water quality and recommendations for management and mitigations of the same. Preliminary site visit had been conducted by faculty of IIT Hyderabad. Work order issued on 22nd November 2024. Field investigation had been completed in December 2024. Report submission is awaited. Wind barrier installation has been started. About 150m wind		Date: 06/06/2025

		<p>barrier has been installed. 3000 sprinklers, 240 rain guns are installed in two ash dykes. 1,00,000 m² tarpaulin is laid to cover the dry area. Beshram plantation is in progress at 75,000 plants per month in the dyke area so that bonding of ash takes place thus avoiding fugitive emission of ash. 5,25,000 no are planted till now. Water tankers are deployed on ash haulage road, dust prone area in ash dyke during ash evacuation. Plantation in Ash dyke area and in gaps (13400 saplings): Work has been awarded. Fund has been released. Preparation of pits in progress. Plantation will be started with the onset of monsoon in July 2025. Plantation in ash dyke surrounding villages land (7100 saplings): Work has been awarded for plantation of 7100 saplings with tree guards (roadside in nearby villages of Ash Dyke Area namely Rank and Gatora). Plantation work is expected to start in the month of July 2025. Plantation will be completed by 2026. Ground water sample within 500 m of ash dyke are taken regularly for monitoring of physicochemical parameters and heavy metal analysis. Estimated value of expenditure on fugitive dust control is Rs. 299 lakh approx. Photographs and report are attached.</p>	
5	Statutory compliance	1.7 PP shall install and commission the FGD in FY 2024-25 and report in this regard submitted to RO, MoEF and CC	
	<p>PPs Submission: Being Complied Stage-I FGD installation work has been completed. Time line for completion of Stage-II FGD system (comprising of Unit Nos. 4 and 5) is extended till August, 2025 by Honourable Supreme Court.</p>		Date: 14/05/2025
6	Statutory compliance	1.8 Ash pond area and fly ash utilization shall be as per Fly Ash Notification issued by Ministry/ CPCB from time to time	
	<p>PPs Submission: Complied Ash utilization of 102.11 percentage was achieved in the year 2024-25. Ash utilization of 101.26 percentage was achieved in 2023-24. Ash utilization will be ensured as per MoEF and CC notification dated 31.12.2021 and its amendments.</p>		Date: 30/05/2025
7	Statutory compliance	1.11 As committed by the PP Zero liquid discharge shall be adopted	
	<p>PPs Submission: Complied Presently ZLD is maintained and it will be maintained after commissioning of expansion project.</p>		Date: 15/05/2025
8	Statutory compliance	1.12 PP shall ensure that diesel operated vehicles will be switched over to E-Vehicles in a time bound manner, replace the passenger vehicles to E-vehicle in phased manner. Further, for local movement of officials Contract of Vehicles deployment shall be awarded to Project affected people and all efforts for adopting heavy E-vehicles like Bulkers for ash transportation for short distance subject to availability of such E-vehicle and adequate charging infrastructure in the surrounding area shall be provided. PP shall submit the action taken report to concerned RO with amount spent, photographs (before and after), number of e-vehicles deployed etc. in six monthly compliance report	
	<p>PPs Submission: Being Complied Three battery operated fork lift are already deployed. Procurement of Battery operated forklifts (7 Nos) under bulk procurement is underway. Bid documents are approved. Notice Inviting Tender will be published by 30.05.2025. Two E-Rickshaws are deployed in plant for visitors. One more is under procurement. Expression of Interest (EOI) was invited in September 2024 for deployment of EV (Bus) on hiring mode (for commuting of NTPC employees and their family from NTPC Sipat township to Bilaspur and back). There was no response against EOI. We are further exploring vendors. For local movement of officials, all vehicles deployed under various departments have been awarded to the Project Affected Persons. Advertisement was published in January 2025 for submission of Expression of Interest (EOI) for transportation of ash for short distance through electric vehicle. EOI published. About 15 responses received against EOI. Evaluation of EOI has been completed. Preparation of tender conditions is in progress.</p>		Date: 07/06/2025

9	Statutory compliance	1.13 PP shall implement the concurrent plantation plan in a time bound manner. The gap plantation shall be completed in the identified 27.65 Ha land within Plant, residential and administrative areas and around Ash Pond by the planting 1.0 Lakh saplings during 2024-2025 and for the subsequent seven years PP shall plant 1.0 lakhs saplings per year in consultation with Forest department/ Gram Panchayat/District Administration. PP shall also adopt Miyawaki plantation technique and plantation with minimum 5m height of the saplings in upcoming monsoon season. The budget proposed is Rs 772 Laks for F.Y 2024-25 and for subsequent years it is 1600 Lakh/ annum till 2028-29. If require the same may be increased. The budget earmarked for the green belt, plantation inside and outside the plant area, along the transportation route and Miyawaki Plantation area shall be kept in a separate account and audited annually. PP should annually submit the audited statement of expenditure along with proof of activities viz. photographs (before and after with geolocation date and time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF and CC and on PARIVESH Portal as the case may be for the activities carried out during previous year
PPs Submission: Being Complied 3000 No.s Gap plantation had been taken up in the plant area and township in FY 2024-25. Further, gap areas have been identified in plant and township where plantation will be carried out in coming monsoon. 32,000 saplings have been planted (through Miyawaki technique) in Uchchbhatti village which is 10 km (approx.) away from Power Plant. Plantation in Ash dyke area and in gaps (13400 saplings): Work has been awarded. Fund has been released. Preparation of pits in progress. Plantation work will be started with the onset of monsoon in July 2025. Plantation in outside land (7100 saplings): Work has been awarded for plantation of 7100 saplings with tree guards (roadside plantation in villages surrounding nearby villages of Ash Dyke Area). Plantation work is expected to start in July 2025 and same will be completed before March 2026. Plantation in outside land (7100 saplings): Work has been awarded for plantation of 7100 saplings with tree guards (roadside plantation in villages surrounding Ash Dyke). Plantation work is expected to start in July 2025 and same will be completed before March 2026. NTPC Sipat vide letter dated 02.09.2024 and subsequently 23.10.2024 requested DFO Bilaspur to make land available for plantation. NTPC Sipat officials had in person meeting also, however response is awaited. NTPC also approached District Collector Bilaspur vide letter dated 23.10.2024 for facilitating land for plantation. We are yet to receive response. Recently, we had in person meeting with Sarpanches of nearby Gram Panchayat and requested them to make land available for plantation. Same is being pursued.		Date: 07/06/2025
10	Statutory compliance	1.15 Wildlife conservation plan as approved by the competent authority shall be implemented. Additional, budget shall be added in the plan, in case additional measures suggested by state wildlife department. The final Wildlife conservation plan shall be submitted to RO, MoEF and CC and the budget approved by the concerned authority shall be deposited in government account
PPs Submission: Being Complied Chief Conservator of Forest, Bilaspur Circle has recommended the submitted Wildlife Conservation Plan (WLCP) on 29th January 2025 for onward approval by Chief Wildlife Warden, Raipur. APCCF (Wildlife) has sought additional information vide letter dated 19.03.2025. The Details are being compiled.		Date: 14/05/2025
11	AIR QUALITY MONITORING AND PRESERVATION	1.16 24x7 online monitoring system for ambient air quality shall be established with its connectivity with SPCB and CPCB server. Stack monitoring shall be done through 24X7 online monitoring system. The real time data so generated from CAQMS shall be uploaded on company website and linked it with website of CPCB and SPCB. In addition to this, one more CAQMS is required to be installed at 4-5 km away near local market site where population are residing. Further, LED display of air quality (Continuous Online monitoring)

		shall be installed at prominent locations preferably outside the plant's main entrance for public viewing and in administrative complex. and maintenance of devices shall be done regularly	
PPs Submission: Being Complied Three CAAQMS are operational in the Project area with online connectivity to CPCB and CECB server. As stipulated in EC, locations have been identified for installation of 3 nos. additional CAAQMS. Proposal has been initiated for procurement and installation of CAAQMS. Site visit at proposed locations has completed by Chhattisgarh Environment Conservation Board (CECB) officials on 05.04.2025. for obtaining consent from CECB. Stack Monitoring: Continuous Emission Monitoring System will be installed in the stack. It is part of the Main plant package. Location of CAAQMS has been finalized. Proposal has been initiated for construction of rooms for CAAQMS. LED display of air quality parameters have been made available at Main Plant Gate and Urja Bhawan.			Date: 14/05/2025
12	Statutory compliance	1.17 PP shall install at least three portable Weather Monitoring Stations in and around the plant for continuous weather monitoring	
PPs Submission: Being Complied For monitoring of weather parameters Meteorological station will be set up along with CAAQMS at three locations.			Date: 15/05/2025
13	AIR QUALITY MONITORING AND PRESERVATION	1.18 Adequate dust extraction system such as cyclones/bag filters and water spray system in dusty areas such as waste delivery points, transfer areas and other vulnerable dusty areas shall be provided along with an environment friendly sludge disposal system. Water Sprinkling on roads inside the plant area/ administrative/ residential areas and outside the plant area at least for 2KM on a regular basis to control the air pollution. A logbook shall be maintained for the activity and be in six-monthly compliance report	
PPs Submission: Being Complied Adequate dust extraction system will be installed in the dust prone areas. Water tankers are deployed on ash haulage road, dust prone area in ash dyke etc. Further, water sprinkling is carried out within two Kms through deployment of water tankers.			Date: 15/05/2025
14	WATER QUALITY MONITORING AND PRESERVATION	1.21 Project proponent shall explore the use of treated sewage water from the Sewage Treatment Plant of Municipality / local bodies/ similar organization located within 50km radius of the proposed power project to minimize the water drawl from surface water bodies	
PPs Submission: Complied Bilaspur Municipal Corporation is mapped with KSK Mahanadi Akaltara TPP for use of treated sewage water.			Date: 15/05/2025
15	MISCELLANEOUS	1.22 A detailed action plan regarding leachate handling shall be prepared and implemented in consultation with SPCB and the same shall be submitted to the Regional Office of the Ministry. Leachate shall be treated and reused. No treated leachate shall be discharged in any circumstances. Characteristics of Leachate and the treated leachate shall be monitored once in quarter and records shall be maintained	
PPs Submission: Being Complied Field investigation by IIT Hyderabad for Toxicity Characteristic Leachate Procedure (TCLP) test is completed in December 2024. Report submission is awaited. Recommendation of IIT Hyderabad study will be implemented.			Date: 15/05/2025
16	WASTE MANAGEMENT	1.26 PP shall ensure that all types of plastic waste generated from the plant shall be stored separately in isolated area and disposed of	

		strictly adhering to the Plastic Waste Management Rules 2016 (as amended). In pursuant to the Ministrys OM dated 18/07/2022 PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministrys Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall also be included in the six monthly compliance report being submitted by PP
PPs Submission: Complied Single Use Plastic (SUP) has been banned in the NTPC-Sipat township. Awareness is given to people working in the project area. All types of plastic waste generated from NTPC Sipat is stored separately and accumulated waste is being sent to Ambuja Cement for co-processing. 30 MT of non biodegradable waste was sent to Ambuja Cements Bhatapara in the year 2024-25. Photographs on measures to ban single use plastic is enclosed.		Date: 15/05/2025
17	MISCELLANEOUS	1.27 PP is advised to implement the 'Ek Ped Maa Ke Naam' Campaign which was launched on 5th June 2024 on the occasion of the World Environment Day to increase the forest cover across the Country. This plantation drive is other than Green belt development. The action in this regard shall be submitted concerned RO in six monthly report
PPs Submission: Complied Approximately 3000 saplings have been planted under 'Ek Ped Maa Ke Naam' campaign in 2024. Photographs are attached.		Date: 15/05/2025
18	PUBLIC HEARING	2.3 "The budget proposed for PH is Rs 27.0393 (8.5 Cr and 18.5393 Cr). In addition to this PP has proposed a budget of Rs 8 Cr under CSR after commissioning of the project. The budget proposed shall be kept in a separate account and audited annually. PP shall submit the action taken report to concerned RO with amount spent, photographs (before and after), status of implementation of PH action plan submitted during the meeting etc. in six monthly compliance report."
PPs Submission: Being Complied Implementation of public hearing issues as per the timeline committed has been started on some of the projects and same will be completed as per timeline in a phased manner. Status of Implementation of public hearing issues is as per the annexure enclosed.		Date: 06/06/2025
19	Statutory compliance	3.1 An Environmental Cell headed by the Environment Manger with postgraduate qualification in environmental science/environmental engineering, shall be created. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.
PPs Submission: Complied Environment Management is a separate department. Environment Manger with postgraduate qualification in Environment Science has been posted. Head of Environment directly reports to the Business Unit Head.		Date: 14/05/2025
20	AIR QUALITY MONITORING AND PRESERVATION	1.1 Emission Standards for Thermal Power Plants as per Ministrys Notification S.O. 3305(E) dated 7.12.2015, G.S.R.593(E) dated 28.6.2018 and as amended from time to time shall be complied.
PPs Submission: Complied Emission Standards for Thermal Power Plants as per Ministrys Notification S.O. 3305(E) dated		Date: 15/05/2025

7.12.2015, G.S.R.593(E) dated 28.6.2018 and its amendments shall be complied.		
21	WASTE MANAGEMENT	1.2 Part C of Schedule II of Municipal Solid Wastes Rules, 2016 dated 08.04.2016 as amended from time to time shall be complied for power plants based on Municipal Solid Waste.
PPs Submission: Complied Municipal Solid Waste is disposed of as per SW management rules 2016 and its amendments.		Date: 15/05/2025
22	Statutory compliance	1.3 MoEF and CC Notification G.S.R 02(E) dated 2.1.2014 as amended time to time regarding use of raw or blended or beneficiated/washed coal with ash content not exceeding 34 percent shall be complied with, as applicable.
PPs Submission: Complied Noted		Date: 15/05/2025
23	Statutory compliance	1.4 MoEF and CC Notifications on Fly Ash Utilization S.O. 763(E) dated 14.09.1999, S.O. 979(E) dated 27.08.2003, S.O. 2804(E) dated 3.11.2009, S.O. 254(E) dated 25.01.2016 as amended from time to time shall be complied.
PPs Submission: Complied Noted		Date: 15/05/2025
24	Statutory compliance	1.5 Thermal Power Plants other than the power plants located on coast and using sea water for cooling purposes, shall achieve specific water consumption of 2.5 m3/MWh and Zero effluent discharge.
PPs Submission: Complied Not applicable		Date: 15/05/2025
25	Statutory compliance	1.6 The recommendation from Standing Committee of NBWL under the Wildlife (Protection) Act, 1972 should be obtained, if applicable.
PPs Submission: Complied Noted		Date: 15/05/2025
26	Statutory compliance	1.8 Groundwater shall not be drawn during construction of the project. In case, groundwater is drawn during construction, necessary permission be obtained from CGWA.
PPs Submission: Complied Use of ground water is not proposed either during construction or operational phase.		Date: 15/05/2025
27	Statutory compliance	2.1 "EC is given on the basis of assumption of dash percent of ash content and dash km distance of transportation in rail/road/conveyor/any other mode. Any increase of percent ash content by more than 1 percent, and/or any change in transportation mode or increase in the transport distance (except for rail) require application for modifications of EC conditions after conducting the incremental impact assessment and proposal for mitigation measures."

PPs Submission: Complied Not applicable		Date: 15/05/2025
28	AIR QUALITY MONITORING AND PRESERVATION	3.1 Flue Gas Desulphurisation System shall be installed based on Lime/Ammonia dosing to capture Sulphur in the flue gases to meet the SO ₂ emissions standard of 100 mg/Nm ³ .
PPs Submission: Agreed to Comply FGD will be installed as per prevailing regulations.		Date: 15/05/2025
29	AIR QUALITY MONITORING AND PRESERVATION	3.2 Selective Catalytic Reduction (SCR) system or the Selective Non-Catalytic Reduction (SNCR) system or Low NO _x Burners with Over Fire Air (OFA) system shall be installed to achieve NO _x emission standard of 100 mg/Nm ³ .
PPs Submission: Agreed to Comply Secondary Over Fire Air (SOFA) will be installed to maintain the NO _x emission within regulatory limits.		Date: 15/05/2025
30	AIR QUALITY MONITORING AND PRESERVATION	3.3 High efficiency Electrostatic Precipitators (ESPs) shall be installed in each unit to ensure that particulate matter (PM) emission to meet the stipulated standards of 30 mg/Nm ³ .
PPs Submission: Agreed to Comply High efficiency ESPs (greater than 99.9 percent efficiency) will be installed and PM emission will be maintained below 30 mg/Nm ³ .		Date: 15/05/2025
31	AIR QUALITY MONITORING AND PRESERVATION	3.4 Stacks of prescribed height shall be provided with continuous online monitoring instruments for SO _x , NO _x and Particulate Matter as per extant rules.
PPs Submission: Agreed to Comply Height of the chimney will be as per regulatory stipulations. SO ₂ , NO _x and PM analysers will be installed for continuous on line monitoring to the extant rules.		Date: 15/05/2025
32	AIR QUALITY MONITORING AND PRESERVATION	3.5 Exit velocity of flue gases shall not be less than 20-25 m/s. Mercury emissions from stack shall also be monitored periodically.
PPs Submission: Agreed to Comply Exit velocity of flue gas will not be less than 20-25 m/sec. Mercury emission will be monitored periodically.		Date: 15/05/2025
33	AIR QUALITY MONITORING AND PRESERVATION	3.6 Continuous Ambient Air Quality monitoring system shall be set up to monitor common/criteria pollutants from the flue gases such as PM ₁₀ , PM _{2.5} , SO ₂ , NO _x within the plant area at least at one location. The monitoring of other locations (at least three locations outside the plant area covering upwind and downwind directions at an angle of 120 each) shall be carried out manually.
PPs Submission: Being Complied Three CAAQMS will be installed out of which one will be at ash dyke area, another in the nearby village and third one in plant premises. Manual monitoring is also being carried out at three locations outside plant.		Date: 15/05/2025
34	AIR QUALITY MONITORING AND PRESERVATION	3.8 Appropriate Air Pollution Control measures (DEs/DSs) be provided at all the dust generating sources including sufficient water sprinkling arrangements at various locations viz., roads, excavation

		sites, crusher plants, transfer points, loading and unloading areas, etc.
PPs Submission: Agreed to Comply DE / DS will be provided at dust prone area. Water sprinkling will be carried out on plant roads, excavation sites etc.		Date: 15/05/2025
35	Noise Monitoring & Prevention	4.1 The Ambient Noise levels shall meet the standards prescribed as per the Noise Pollution (Regulation and Control) Rules, 2000.
PPs Submission: Complied Noise level will be complied as per prevailing regulations		Date: 15/05/2025
36	Noise Monitoring & Prevention	4.2 Persons exposed to high noise generating equipment shall use Personal Protective Equipment (PPE) like earplugs/ear muffs, etc.
PPs Submission: Complied Use of PPE like ear plugs / earmuff are mandatory in high noise area. Random and surprise checks are carried out for ensuring the compliance.		Date: 15/05/2025
37	Noise Monitoring & Prevention	4.3 Periodical medical examination on hearing loss shall be carried out for all the workers and maintain audiometric record and for treatment of any hearing loss including rotating to non-noisy/less noisy areas.
PPs Submission: Complied Periodical medical examinations are carried out for all the contract workers and records are maintained. If required, workers are rotated in less noisy area.		Date: 15/05/2025
38	Human Health Environment	5.1 Bi-annual Health check-up of all the workers is to be conducted. The study shall take into account of chronic exposure to noise which may lead to adverse effects like increase in heart rate and blood pressure, hypertension and peripheral vasoconstriction and thus increased peripheral vascular resistance. Similarly, the study shall also assess the health impacts due to air polluting agents.
PPs Submission: Complied 6 monthly health check of contract workers are carried out. Hearing, hypertension, and health impact due to air polluting agents are being checked and appropriate action on result of assessment is being done. All the health records are maintained.		Date: 15/05/2025
39	Statutory compliance	1.7 No Objection Certificate from Ministry of Civil Aviation be obtained for installation of requisite chimney height and its siting criteria for height clearance.
PPs Submission: Complied Chimney height Clearance NOC has been obtained from Airports Authority of India. Copy of certificate is attached.		Date: 15/05/2025

General Conditions

Sr.No.	Condition Type	Condition Details
1	Risk Mitigation and Disaster Management	7.3 Ergonomic working conditions with First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
PPs Submission: Complied First Aid box will be kept in project construction area. Ergonomic working condition will be made		Date:

for drivers and contract workers.		15/05/2025
2	WATER QUALITY MONITORING AND PRESERVATION	1.3 The budget proposed for pond rejuvenation is Rs 691.43 lakhs (2024-25 (6 ponds: Rs 184.99 Lakhs), 2025-26 (5 ponds: Rs 106.44 Lakhs), 2026-27 (4 ponds: Rs 136 Lakhs), 2027-28 (4 ponds: Rs 126 Lakhs) and 2028-29 (5 ponds: RS 138 Lakhs)) for Construction of Embankment, Brick pitching, Construction of bathing Ghats. Regular maintenance of pond shall be taken up with consent of the respective Gram Panchayat. The amount shall be kept in a separate account and audited annually. PP shall submit the action taken report to concerned RO with amount spent, photographs (before and after), number of pond rejuvenated etc. in six monthly compliance report.
PPs Submission: Being Complied In 2024-25 we have awarded contract for rejuvenation of Total 10 number of ponds in nearby villages - 2 at Janji (Amuha and Ranisagar), 3 at Karra (Naya Talab, Ramsagar, Rajiv Mission Pond), 1 in Rank (Bandhawa), 1 in Gatoura village (Mohua talab), 1 in Eramashi village (Langketar), 1 in Deori (Balabandh), 1 in Kaudia (Panbhariya). Works are completed in 5 number of ponds and works are in progress in rest of the ponds. Total contract awarded value is Rs. 223.15 lakhs.		Date: 30/05/2025
3	WATER QUALITY MONITORING AND PRESERVATION	1.4 PP shall install roof top surface harvesting on at least five buildings per year for next 05 years in nearby villages (within 10 km radius of plant boundary). Further, surface rainwater harvesting structure in drains shall be discussed with Chhattisgarh Water Resource Department Bilaspur wherever feasible. As per the area of the roof and location of the structure (collection tank), cost estimation will be done, and budget will be ensured for the same. PP shall install RWH systems in public buildings based on feasibility and availability of building by Gram Panchayat/District Administration. Required maintenance of RWH system will be done as and when required. The budget earmarked 107.5 Lakh (at the rate Rs 20 Lakh for 2024-25 and 2025-26, at the rate Rs 22.5 Lakh for 2026-27, 2027-28 and 2028-29) shall be kept in action taken report to concerned RO with amount spent, photographs (before and after), number of building covered etc. in six monthly compliance report"
PPs Submission: Being Complied Public buildings have been identified in the vicinity. PR has been initiated for construction of ten RWH system. Estimated Cost of RWH work is Rs. 104.27 lakh . Maintenance of RWH system will be taken care after installation A written request has been made to Superintending Engineer, Water Resources Department, Bilaspur vide letter dated 03.09.2024 and subsequently 19.03.2025 wherein it is requested to identify the natural drains where rainwater can be harvested or any other proposal for capturing rainwater. Response is awaited.		Date: 30/05/2025
4	WATER QUALITY MONITORING AND PRESERVATION	1.5 "PP shall explore the possibility of use of rainwater as drinking water in consultation with Public Health Engineering Department Chhattisgarh, respective Gram Panchayat and District administration wherever feasible. PP shall store ground water in the project boundary and utilize the same for plantation, recharging water in the pond and domestic utilization in colonies. A record shall be maintained of water collected through rain water and its supply system. PP shall get the water audit done every year to optimize the water requirement"
PPs Submission: Complied A request letter has been written to Executive Engineer, Public Health Engineering, Department, (Civil), Bilaspur on 03.09.2024 and subsequently on 25.03.2025 wherein it is requested to explore the possibility of use of rainwater as potable water in the project surrounding villages. Response is awaited. Work is in progress for installation of rainwater harvesting facilities with 150 cubic meter		Date: 14/05/2025

		per hour capacity in township. Proposal has been initiated for procurement of additional pumps for collecting surface run off water during rainy season inside plant premises. Latest water audit has been completed in Aug 2024. Recommendations are under review.	
5	AIR QUALITY MONITORING AND PRESERVATION	1.6 "PP shall implement the protective measure proposed in EMP in a time-bound manner. The budget earmarked for the same is Rs 1136.51 Lakhs (Capital) and Rs 23.52 Lakhs (recurring) and should be kept in separate accounts and audited annually. The implementation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year. In addition to this PP shall install 1 continuous ambient air quality monitoring station near ash pond area at suitable locations preferably the village side in consultation of SPCB within 1 year"	
PPs Submission: Being Complied EMP will be implemented with project construction. Locations have been identified for installation of 3 No.s Continuous Ambient Air Quality Monitoring Station (CAAQMS). Proposal has been initiated for procurement and installation of CAAQMS. Site visit at proposed locations has been completed by Chhattisgarh Environment Conservation Board (CECB) officials on 05.04.2025 to obtain consent from CECB.			Date: 14/05/2025
6	MISCELLANEOUS	1.9 PP shall ensure that pipelines carrying the fly ash and effluent shall be inspected regularly for any leakages	
PPs Submission: Complied Pipelines carrying the fly ash and effluents are being inspected regularly. Pipelines are being replaced on basis of thickness measurement and pipe line replacement plan. Records are maintained.			Date: 06/06/2025
7	MISCELLANEOUS	1.19 PP shall deploy vacuum based vehicle for everyday cleaning of the road in and around plant site at least for 5 KM	
PPs Submission: Being Complied PO has been placed for the supply of road sweeping machines on 21.04.2025. Delivery of Machine is expected soon.			Date: 30/05/2025
8	Statutory compliance	1.20 Environment Audit of plant shall be done annually and report shall be submitted to Regional office of the Ministry	
PPs Submission: Being Complied Contract has been placed on 22.04.2025 upon Guru Ghasidas Vishwavidyalaya, Bilaspur to conduct Environment Audit.			Date: 07/06/2025
9	WASTE MANAGEMENT	1.23 Oil and grease recovered from the treatment plant should be disposed only through authorized recyclers	
PPs Submission: Complied Oil and grease recovered from ETP will be disposed through registered recyclers.			Date: 15/05/2025
10	WATER QUALITY MONITORING AND PRESERVATION	1.24 Monitoring of surface water quality and Ground Water quality shall also be regularly conducted in and around the project site and records to be maintained. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall also be undertaken and results/findings submitted along with half yearly monitoring report. The monitored data shall be submitted regularly on PARIVESH portal as part of Half Yearly compliance report.	

PPs Submission: Complied Regular Monitoring of surface water quality and Ground Water quality is being done. Report is attached for reference. Regular monitoring of heavy metals in Ground Water is carried out. Report is attached for reference.		Date: 15/05/2025
11	Noise Monitoring & Prevention	1.25 For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution
PPs Submission: Complied DG sets are kept for Emergency handling during grid failure only. However, DG sets greater than 800 KW used in plant are having stack height of 30 Mtr.		Date: 30/05/2025
12	Corporate Environmental Responsibility	2.1 A vision document comprising prospective plan for implementation of various CER activities, plantation programme outside the project cover area, rejuvenation and conservation of water bodies within 5km radius of the project cover area, creation of sacred groves etc. shall be prepared and submitted to the Regional Office of the Ministry within 6 months. Implementation status of the same shall be reported to the Regional office in 6 monthly compliance report.
PPs Submission: Being Complied Various activities under CSR have been planned. Implementation status will be submitted to Ministry.		Date: 15/05/2025
13	Human Health Environment	2.2 Epidemiological Study among population within 5 km radius of project cover area shall be carried out on regular interval (Once in two year) through independent agency. Necessary measures shall be taken as per findings of study in consultation with district administration. Action taken report shall be submitted to the Regional Office of the Ministry.
PPs Submission: Being Complied Preliminary discussion held with Preventive and Social Medicine (PSM) deptt deptt., Chhattisgarh Institute of Medical Science (CIMS) Bilaspur which is premier Govt Institution in this region. TOR for health study is under preparation.		Date: 15/05/2025
14	Human Health Environment	2.4 PP shall provide the health services and organize medical camps for residents of the surrounding villages as committed during the meeting. PP shall carry out the analysis of the data of medical camp and take all necessary steps so as to cover maximum number of persons.
PPs Submission: Complied A Mobile Medical Unit (MMU) is deployed. Healthcare service are being facilitated in 36 target villages of NTPC-Sipat as per the schedule through this MMU. Total beneficiaries till February 2025 is 41336. In addition to that, Malaria and Dengu prevention camps had been organized. More such camps will be organised in future.		Date: 15/05/2025
15	Human Health Environment	2.5 Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
PPs Submission: Complied Occupational health check ups are carried out as per Factories Act and records are maintained.		Date: 15/05/2025
16	Corporate Environmental Responsibility	2.6 The establishment of a robust public grievance redressal mechanism to address concerns and complaints from local communities regarding the power plant's operations, environmental

		impacts, or social issues shall be developed. A Senior Officer shall review the functioning of the mechanism twice in a month.	
PPs Submission: Complied Dedicated slots have been structured for meeting with Head of Project (HOP) of NTPC-Sipat on every Monday at 3:00 PM and with Head of HR on every Tuesday at 12:00 to 1:00 PM. However, open-door policy is being followed wherein anybody can approach to HOP and HOHR on any working day without waiting for the dedicated slots. Further, Quarterly interaction meeting of Sarpanches and other public representatives with HOP/HOHR has started. Records are maintained.		Date: 06/06/2025	
17	Corporate Environmental Responsibility	2.7 PP shall take up the matter with SECR Railway Authorities for the feasibility of construction of underpass/overpass based on utility at railway crossing which is causing long waiting period to the general public. Meanwhile PP shall provide two sheds (one on each side) on Railway MGR Gatora connecting line crossing by July 25 with approximate cost Rs. 10-15 lakhs. PP shall submit the action taken report to concerned RO with amount spent, photographs (before and after), number of sheds provided etc. in six monthly compliance report.	
PPs Submission: Being Complied Work order has been placed for construction of sheds on both sides of the level crossing. Work is in progress and completion is expected by Jun 2025. Further, RITES / SECR had been consulted for conducting feasibility study for construction of underpass. As per Railways norms, frequency of rake movement is very low, so construction of underpass is not feasible.		Date: 30/05/2025	
18	Statutory compliance	3.2 Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	
PPs Submission: Complied Consent to Establish (CTE) has been granted by Chhattisgarh Environment Conservation Board (CECB) on 4th March 2025		Date: 15/05/2025	
19	Statutory compliance	3.3 All necessary clearance from the concerned Authority, as may be applicable should be obtained prior to commencement of project or activity.	
PPs Submission: Complied Noted		Date: 15/05/2025	
20	MISCELLANEOUS	3.4 A sub Committee of the EAC shall visit the site post EC to recommend any further mitigation measures.	
PPs Submission: Complied Noted		Date: 15/05/2025	
21	Human Health Environment	5.2 Baseline health status within study area shall be assessed and report be prepared. Mitigation measures should be taken to address the endemic diseases.	
PPs Submission: Being Complied Baseline health status within study area will be part of epidemiology study. Mitigation measures will be taken up as per recommendation.		Date: 15/05/2025	
22	Human Health Environment	5.3 Impact of operation of power plant on agricultural crops, large water bodies (as applicable) once in two years by engaging an institute of repute. The study shall also include impact due to heavy	

		metals associated with emission from power plant.
PPs Submission: Being Complied On 22.04.2025, work order has been awarded to Guru Ghasidas Vishwavidyalaya, Bilaspur to conduct this study. Work is likely to start by first week of June 2025.		Date: 30/05/2025
23	Human Health Environment	5.4 Sewage Treatment Plant shall be provided for domestic wastewater.
24	WATER QUALITY MONITORING AND PRESERVATION	6.1 Induced/Natural draft closed cycle wet cooling system including cooling towers shall be set up with minimum Cycles of Concentration (COC) of 5.0 or above for power plants using fresh water to achieve specific water consumption of 2.5 m3/MW hr. (Or) Induced/Natural draft open cycle cooling system shall be set up with minimum Cycles of Concentration (COC) of 1.5 or above for power plants using sea water.
PPs Submission: Complied Induced draft cooling tower is proposed in the upcoming 800 MW Unit. Cooling tower will be designed with COC of 5.		Date: 14/05/2025
25	WATER QUALITY MONITORING AND PRESERVATION	6.2 In case of the water withdrawal from river, a minimum flow 15 percent of the average flow of 120 consecutive leanest days should be maintained for environmental flow whichever is higher, to be released during the lean season after water withdrawal for proposed power plant.
PPs Submission: Complied There is no water withdrawal from river, water is taken from Right Bank canal of Hasdeo barage. Hence condition is NOT APPLICABLE.		Date: 14/05/2025
26	WATER QUALITY MONITORING AND PRESERVATION	6.3 Records pertaining to measurements of daily water withdrawal and river flows (obtained from Irrigation Department/Water Resources Department) immediately upstream and downstream of withdrawal site shall be maintained.
PPs Submission: Complied Records of daily water withdrawal are maintained.		Date: 14/05/2025
27	WATER QUALITY MONITORING AND PRESERVATION	6.4 Rainwater harvesting in and around the plant area be taken up to reduce drawl of fresh water. If possible, recharge of groundwater to be undertaken to improve the ground water table in the area.
PPs Submission: Complied 975 m3/hr capacity RWH system have been installed for capturing surface run off water. Further, 1200 m3/hr capacity RWH system will be installed before next monsoon. Recharge to ground is not feasible due to shallow water table in the project area.		Date: 14/05/2025
28	WATER QUALITY MONITORING AND PRESERVATION	6.5 Regular (at least once in six months) monitoring of groundwater quality in and around the ash pond area including presence of heavy metals (Hg, Cr, As, Pb, etc.) shall be carried out as per CPCB guidelines. Surface water quality monitoring shall be undertaken for major surface water bodies as per the EMP. The data so obtained should be compared with the baseline data so as to ensure that the groundwater and surface water quality is not adversely impacted due to the project and its activities.
PPs Submission: Complied Surface and Water quality is monitored regularly and records are maintained.		Date: 14/05/2025

29	WATER QUALITY MONITORING AND PRESERVATION	6.6 The treated effluents emanating from the different processes such as DM plant, boiler blow down, ash pond/dyke, sewage, etc. conforming to the prescribed standards shall be re-circulated and reused. Sludge/ rejects will be disposed in accordance with the Hazardous Waste Management Rules.
PPs Submission: Complied Effluent generated from different sources will be treated in ETP. Treated water will be reused.		Date: 14/05/2025
30	WATER QUALITY MONITORING AND PRESERVATION	6.7 Hot water dispensed from the condenser should be adequately cooled to ensure the temperature of the released surface water is not more than 5 degrees Celsius above the temperature of the intake water.
PPs Submission: Complied Not Applicable		Date: 15/05/2025
31	WATER QUALITY MONITORING AND PRESERVATION	6.8 Based on the commitment made by the Project Proponent, Sewage Treatment Plants within the radius of 50 km from proposed project, the treated sewage of dash-dash KLD from STP dash-dash (name) shall be used as an alternative to the fresh water source to minimize the fresh water drawl from surface water bodies.
PPs Submission: Complied No such commitment made by NTPC. However, it is known that use of STP treated water from Bilaspur Municipal Corporation has been mapped with Akaltara Thermal Power Station.		Date: 14/05/2025
32	WATER QUALITY MONITORING AND PRESERVATION	6.9 Wastewater generation of dash-dash KLD from various sources (viz. cooling tower blowdown, boiler blow down, wastewater from ash handling, etc) shall be treated to meet the standards of pH: 6.5-8.5; Total Suspended Solids: 100 mg/l; Oil and Grease: 20 mg/l; Copper: 1 mg/l; Iron:1 mg/l; Free Chlorine: 0.5; Zinc: 1.0 mg/l; Total Chromium: 0.2 mg/l; Phosphate: 5.0 mg/l;
PPs Submission: Complied Waste Water shall be treated in ETP and will be used. Outlet water quality will be ensured within the prescribed limits.		Date: 14/05/2025
33	WATER QUALITY MONITORING AND PRESERVATION	6.10 Sewage generation of dash-dash KLD will be treated by setting up Sewage Treatment plant to maintain the treated sewage characteristics of pH: 6.5-9.0; Bio-Chemical Oxygen Demand (BOD): 30 mg/l; Total Suspended Solids: 100 mg/l; Fecal Coliforms (Most Probable Number): less then 1000 per 100 ml.
PPs Submission: Agreed to Comply Additional STP with capacity of 75 KLD is proposed to be installed. STP outlet water parameter will be maintained within stipulated limits		Date: 14/05/2025
34	Risk Mitigation and Disaster Management	7.1 Adequate safety measures and environmental safeguards shall be provided in the plant area to control spontaneous fires in coal yard, especially during dry and humid season.
PPs Submission: Complied Adequate safety measures are taken to avoid fires specially during summer in existing plant and same will be taken care in expansion project.		Date: 15/05/2025
35	Risk Mitigation and Disaster Management	7.2 Storage facilities for auxiliary liquid fuel such as LDO and HFO/LSHS shall be made as per the extant rules in the plant area in accordance with the directives of Petroleum and Explosives Safety

		Organisation (PESO). Sulphur Content in the liquid fuel should not exceed 0.5 present.	
PPs Submission: Complied LDO is stored as per directive of Petroleum and Explosives Safety Organisation (PESO). Storage Licenses is obtained from PESO.			Date: 15/05/2025
36	Risk Mitigation and Disaster Management	7.4 Safety management plan based on Risk Assessment shall be prepared to limit the risk exposure to the workers within the plant boundary.	
PPs Submission: Complied Safety Management plan includes the upcoming project at Stage III area.			Date: 15/05/2025
37	Risk Mitigation and Disaster Management	7.5 Regular mock drills for on-site emergency management plan and Integrated Emergency Response System shall be developed for all kind of possible disaster situations.	
PPs Submission: Complied Mock drills are conducted regularly to deal with the situation in case of any disaster.			Date: 14/05/2025
38	GREENBELT	8.1 Green belt shall be developed in an area of 33 present of the total project with indigenous native tree species in accordance with CPCB guidelines. The green belt shall inter-alia cover an entire periphery of the plant.	
PPs Submission: Being Complied Land area earmarked for Stage-III is approx. 160 acre (64.74 hectare). After completion of construction work, plantation will be carried out in the the earmarked area/laydown area of the Stage-III which will be equivalent to 33 percent of Stage-III area.			Date: 14/05/2025
39	GREENBELT	8.2 In-situ/ex-situ Conservation Plan for the conservation of flora and fauna should be prepared and implemented.	
PPs Submission: Being Complied Contract is awarded on 22.04.2025 to Guru Ghasidas University, Bilaspur for suggesting in-situ/ex-situ conservation plan for conservation of Flora and Fauna. Suggestions shall be implemented.			Date: 14/05/2025
40	GREENBELT	8.3 Suitable screens shall be placed across the intake channel to prevent entrainment of life forms including eggs, larvae, juvenile fish, etc., during extraction of seawater.	
PPs Submission: Complied Screens are provided at the water intake point on Right Bank Canal of Hasdeo Barrage.			Date: 14/05/2025
41	WASTE MANAGEMENT	9.1 Solid waste management should be planned in accordance with extant Solid Waste Management Rules, 2016.	
PPs Submission: Complied Solid Waste is disposed as per Solid Waste Management Rules.			Date: 14/05/2025
42	WASTE MANAGEMENT	9.2 Toxicity Characteristic Leachate Procedure (TCLP) test shall be conducted for any substance, potential of leaching heavy metals into the surrounding areas as well as into the groundwater.	
PPs Submission: Being Complied NTPC-Sipat plant is ZLD complied. Toxicity Characteristic Leachate Procedure (TCLP) test for any			Date:

potential of leaching heavy metals from ash is conducted by IIT Hyderabad. Work order was issued on 22nd November 2024. Field investigation was completed in December 2024. Report by IIT Hyderabad is awaited. Recommendation of IIT Hyderabad study will be implemented.		14/05/2025
43	WASTE MANAGEMENT	9.3 Ash pond shall be lined with impervious liner as per the soil conditions. Adequate dam/dyke safety measures shall also be implemented to protect the ash dyke from getting breached.
PPs Submission: Complied Existing ash dyke will be used for emergency use for the upcoming unit. No separate ash dyke is proposed for the expansion project.		Date: 14/05/2025
44	WASTE MANAGEMENT	9.4 Fly ash shall be collected in dry form and ash generated shall be used in phased manner as per provisions of the Notification on Fly Ash Utilization issued by the Ministry and amendment thereto. By the end of 4th year, 100 percent fly ash utilization should be ensured. Unutilized ash shall be disposed off in the ash pond in the form of High Concentration Slurry. Mercury and other heavy metals (As, Hg, cr, Pb, etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. Fly ash utilization details shall be submitted to concerned Regional Office along with the six-monthly compliance reports and utilization data shall be published on companys website.
PPs Submission: Complied Ash utilization of 102.11 percentage was achieved in the year 2024-25. Ash utilization of 101.26 percentage was achieved in 2023-24. Compliance of Provisions of Ash utilization notification dated 31.12.2021 and its amendments will be ensured. Samples were sent to NEERI Nagpur for analysis of heavy metals in fly ash, pond ash and coal and reports are received.		Date: 14/05/2025
45	WASTE MANAGEMENT	9.5 Unutilized ash shall be disposed off in the ash pond in the form of High Concentration Slurry/Medium Concentration Slurry/Lean Concentration Slurry method. Ash water recycling system shall be set up to recover supernatant water.
PPs Submission: Complied No separate ash ponds are proposed for the expansion project. Existing ash ponds will be used for disposal of ash in lean concentration slurry form. AWRS is already operational.		Date: 14/05/2025
46	WASTE MANAGEMENT	9.6 In case of waste-to-energy plant, major problems related with environment are fire smog in MSW dump site, foul smell and impacts to the surrounding populations. Therefore, the following measures are required to be taken up: i) Water hydrant at all the dumpsites of MSW area to be provided so that the fire and smog could be controlled. ii) Sprayer like microbial consortia may be provided for arresting the foul smell emanating from MSW area.
PPs Submission: Complied Not applicable		Date: 14/05/2025
47	MISCELLANEOUS	10.1 Environmental Audit of the project be taken up by the third party for preparation of Environmental Statement as per Form-V and Conditions stipulated in the EC and report be submitted to the Ministry.
PPs Submission: Complied Environment Audit of the project for preparation of Environmental Statement will be carried out through Guru Ghasidas Vishwavidyalaya, Bilaspur. Contract is awarded to Guru Ghasidas on 22.04.2025. Report will be submitted to the Ministry.		Date: 15/05/2025

48	MISCELLANEOUS	10.2 Resettlement and Rehabilitation Plan as per the extant rules of Govt. of India and respective State Govt. shall be followed, if applicable.
PPs Submission: Complied R and R is not applicable as no land acquisition is involved.		Date: 15/05/2025
49	MISCELLANEOUS	10.3 Energy Conservation Plan to be implemented as envisaged in the EIA / EMP report. Renewable Energy Purchase Obligation as set by MoP/State Government shall be met either by establishing renewable energy power plant (such as solar, wind, etc.) or by purchasing Renewable Energy Certificates.
PPs Submission: Being Complied Energy Conservation plan will be implemented.		Date: 14/05/2025
50	MISCELLANEOUS	10.4 Monitoring of Carbon Emissions from the existing power plant as well as for the proposed power project shall be carried out annually from a reputed institute and report be submitted to the Ministrys Regional Office.
PPs Submission: Complied LCA (Life Cycle Assessment) Study was awarded to EY (Ernst and Young). Data for FY 2023-24 is used for the estimation of CO2 equivalent emission from the operation of thermal power plant. Report is submitted by EY and total CO2 equivalent emission in 2023-24 is 27.68 million Tons.		Date: 07/06/2025
51	MISCELLANEOUS	10.5 Energy and Water Audit shall be conducted at least once in two years and recommendations arising out of the Report should be followed. A report in this regard shall be submitted to Ministrys Regional Office.
PPs Submission: Complied Energy and water audits are carried out regularly. Recommendations are under implementation.		Date: 14/05/2025
52	MISCELLANEOUS	10.6 Environment Cell (EC) shall be constituted by taking members from different divisions, headed by a qualified person on the subject, who shall be reporting directly to the Head of the Project.
PPs Submission: Complied Environment Cell has qualified officials and is headed by Additional General Manager who directly reports to Business Unit Head.		Date: 07/06/2025
53	MISCELLANEOUS	10.7 ""The project proponent shall (Post-EC Monitoring): a. send a copy of environmental clearance letter to the heads of Local Bodies, Panchayat, Municipal bodies and relevant offices of the Government; b. upload the clearance letter on the web site of the company as a part of information to the general public. c. inform the public through advertisement within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forest and Climate Change (MoEF and CC) at http://parviesh.nic.in . d. upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same periodically; e. monitor the criteria pollutants level namely; PM (PM10 and PM2.5incase of ambient AAQ), SO2, NOx (ambient levels as well as

		stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company f. submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF and CC, the respective Zonal Office of CPCB and the SPCB; g. submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company; h. inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project and the date of commencement of the land development work.	
PPs Submission: Complied A public Notice regarding grant of EC for expansion project (1 x 800 MW) had been published in the two newspaper " Central Chronical" and "Dainik Bhaskar" on 12.08.2024 for information to general public. Status of compliance of Stage-I and Stage-II EC is uploaded every six monthly. Latest EC compliance status of Stage-I and Stage-II has been uploaded on PARIVESH portal of the ministry on 25.11.2024. Six monthly compliance report has been submitted to regional office of MoEF and CC, CPCB's Regional office at Bhopal and CECB through e-mail. Display of parameters at Plant gate and Admin building has been established. Environment Statement is submitted to Chhattisgarh Environment Conservation Board (CECB) every year. Latest for FY 2023-24 was submitted on 02.06.2024. Environment statement for FY 2025-26 will be submitted within timeline. Date of final approval of the project : Sipat Stage-3 (1X800 MW) investment approval was accorded by NTPC board of directors on 19.09.2024. The Feasibility Report of Sipat STPP Stage-III (1x800 MW) was approved by the Project Sub-Committee of the Board of Directors on 24.06.2023. Date of Financial closure and date of commence of land development work will be intimated to Regional office of ministry.			Date: 15/05/2025
54	Corporate Environmental Responsibility	11.1 CER activities will be carried out as per OM No. 22-65/2017-IA.III dated 30.9.2020 or as proposed by the PP in reference to Public Hearing or as earmarked in the EIA/EMP report along with the detailed scheduled of implementation with appropriate budgeting.	
PPs Submission: Complied CER activities will be carried out as proposed in reference to Public Hearing.			Date: 14/05/2025
55	Marine/Coastal	12.1 As the seawater intake systems are required for the plant fall in CRZ area, recommendations from State Coastal Zone Management Authority (SCZMA) as per CRZ Notification shall be implemented.	
PPs Submission: Complied Not applicable			Date: 14/05/2025
56	Marine/Coastal	12.2 Marine intake and outfall pipelines shall be located as per the recommendations State Coastal Zone Management Authority (SCZMA).	
PPs Submission: Complied Not applicable			Date: 14/05/2025
57	MISCELLANEOUS	13.1 Seawater intake system shall be so designed and constructed to ensure sufficient sweater in terms of quantity and quality.	
PPs Submission: Complied Not applicable			Date: 14/05/2025

58	MISCELLANEOUS	13.2 The withdrawal of seawater shall be preferably through a pipeline with a riser equipped with a velocity cap arrangement and bar screen to arrest the impingement of large marine organisms.
PPs Submission: Complied Not applicable		Date: 14/05/2025
59	MISCELLANEOUS	13.3 In all tide conditions (particularly at spring low tides) the riser head must be flooded with the required submergence of seawater above its top.
PPs Submission: Complied Not applicable		Date: 14/05/2025
60	MISCELLANEOUS	14.1 At the effluent release point, maximum temperature of the discharge water shall not be more than 5oC and salinity shall not exceed 50 ppt with respect to that of the ambient seawater.
PPs Submission: Complied Not applicable		Date: 14/05/2025
61	MISCELLANEOUS	14.2 Use of antifouling agents like chlorine / hypochlorite, shall be carefully controlled. The chlorine concentration shall not exceed 0.2 ppm at the effluent release point.
PPs Submission: Complied Not applicable		Date: 14/05/2025
62	MISCELLANEOUS	14.3 The effluent when released at the selected location shall attain sufficient dilution so that near ambient water quality (particularly temperature and salinity) is attained within 500 m from the release location, at low tide.
PPs Submission: Complied Not applicable		Date: 14/05/2025
63	MISCELLANEOUS	14.4 The location of the diffuser shall be marked with a solar lighted buoy to avoid accidents.
PPs Submission: Complied Not applicable		Date: 14/05/2025
64	MISCELLANEOUS	14.5 The site selected based on mathematical modeling shall ensure absence of recirculation of the effluent plume in the seawater intake area under all tidal conditions.
PPs Submission: Complied Not applicable		Date: 14/05/2025
65	MISCELLANEOUS	14.6 The effluent shall be released through a properly designed multiport diffuser above the seabed to facilitate its efficient initial mixing with the receiving seawater.
PPs Submission: Complied Not applicable		Date: 14/05/2025

66	MISCELLANEOUS	14.7 Efficacy of the diffuser shall be ascertained at least once in 2 years through scientific studies and corrective actions such as cleaning of the diffuser from marine growth, removal of silt deposits, etc. shall be taken up, if warranted.
PPs Submission: Complied Not applicable		Date: 14/05/2025
67	MISCELLANEOUS	14.8 Continuous online monitoring system for Temperature and Salinity shall be installed to monitor the quality of effluent.
PPs Submission: Complied Not applicable		Date: 14/05/2025
68	MISCELLANEOUS	15.1 The pipeline shall be buried below the seabed at a depth to ensure its stability under rough sea conditions particularly during cyclone / tsunami. The depth of burial will depend on the seafloor strata but normally the top of the pipeline shall be at least 1 m below the bed level. In the surf and intertidal zones, the pipeline shall be buried below the maximum scour level.
PPs Submission: Complied Not Applicable		Date: 14/05/2025
69	MISCELLANEOUS	15.2 In case of open channel, the channel shall be constructed as per the recommendations of State Coastal Zone Management Authority (SCZMA).
PPs Submission: Complied Not Applicable		Date: 14/05/2025
70	MISCELLANEOUS	15.3 If the substratum is rocky the pipeline may be anchored to the rock provided the geology of the area satisfactorily supports the structure which shall be ascertained through geo-technical investigations.
PPs Submission: Complied Not Applicable		Date: 14/05/2025
71	MISCELLANEOUS	15.4 Exposed pipeline section and riser shall be protected by armour stone from waves, boats anchoring, fishing activities etc.
PPs Submission: Complied Not applicable		Date: 14/05/2025
72	MISCELLANEOUS	15.5 The location of the riser and diffuser shall be marked with a solar lighted buoy to avoid accidents from boats.
PPs Submission: Complied Not Applicable		Date: 14/05/2025
73	MISCELLANEOUS	15.6 "Marine / Sea water quality shall be monitored at effluent release location at the center. Parameters to be monitored shall be as follows: a. Physico-chemical: Temperature, Salinity, pH and Dissolved Oxygen. b. Biological: Primary Productivity, Phytoplankton (Chlorophyll a, Phaeophytin, Population, Species),

		Zooplankton (Biomass, Population, Species) and Benthos (Biomass, Population, Species)."
PPs Submission: Complied Not Applicable		Date: 14/05/2025
74	MISCELLANEOUS	15.7 In case of Coastal Power Plants, the Mangrove plantation shall be taken up in an area of dash-dash ha, along the coast/ on the banks of dash - dash Estuary.
PPs Submission: Complied Not Applicable		Date: 14/05/2025
75	MISCELLANEOUS	1.10 PP shall install solar power plant on roof top and also road side poles within the project site will be lighting through solar power. Implementation status of solar plant shall be specifically submit in six monthly compliance report
PPs Submission: Complied Solar power plants with total 1,170 KW capacity have been installed at NTPC-Sipat. Further, work order for 26 MW floating Solar on reservoir has been awarded. Photographs of roof and ground mounted solar panels are attached in support. Installation of 50 Nos. solar powered LED street lighting system has been completed in March 2025 .		Date: 30/05/2025
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		
<p>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.</p>		

EC Stage III condition No 1.2

FUGITIVE DUST EMISSION CONTROL AT ASH DYKE, NTPC SIPAT



FUGITIVE DUST EMISSION CONTROL MEASURES AT NTPC SIPAT ASH DYKE



Installation of High Range Rain guns and Sprinklers.





Cow dung slurry spray.



Beshram Plantation.



Laying of Tarpaulin Sheet.





Shade net/Agro mesh Installation.



Water tankers



Installation of Water curtain.



Ponding of charged Ash dyke



Annexure to EC stage III Condition No 1.2

Ground Water Quality Monitoring

Period of Observation: 01.10.2024 to 31.03.2025

Legend :BDL – Below Detection Limit / BLQ- Below Limit of Quantification, LOQ-Limit of Quantification
Minimum Detection Limit (mg/l): F:0.2

Month	Location-I (Hardadih)				
	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.5	01	390	BLQ	<0.1
NOV-2024	7.2	02	418	BLQ	<0.1
DEC-2024	7.3	03	434	0.2	<0.1
JAN-2025	7.3	02	420	BLQ	<0.1
FEB-2025	7.1	06	490	0.4	<0.1
MAR-2025	7.3	05	470	BLQ	<0.1

Month	Location-II (Sukhripali)				
	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.3	04	474	0.3	<0.1
NOV-2024	7.1	05	495	0.5	<0.1
DEC-2024	7.5	04	474	0.3	<0.1
JAN-2025	7.5	06	494	0.4	<0.1
FEB-2025	7.2	04	460	0.2	<0.1
MAR-2025	7.5	06	495	0.4	<0.1

Month	Location-III (Ralia)				
	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.1	02	414	BLQ	<0.1
NOV-2024	7.5	01	394	BLQ	<0.1
DEC-2024	7.2	02	414	BLQ	<0.1
JAN-2025	7.2	03	431	0.2	<0.1
FEB-2025	7.6	02	422	BLQ	<0.1
MAR-2025	7.2	02	412	BLQ	<0.1

Location-IV (Bhilai)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.6	05	491	0.4	<0.1
NOV-2024	7.3	04	467	0.3	<0.1
DEC-2024	7.1	03	460	BLQ	<0.1
JAN-2025	7.1	03	470	0.3	<0.1
FEB-2025	7.4	02	403	BLQ	<0.1

MAR-2025	7.6	03	454	0.3	<0.1
Location-V (Gatora)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.2	06	500	0.5	<0.1
NOV-2024	7.6	05	478	0.4	<0.1
DEC-2024	7.5	06	488	0.4	<0.1
JAN-2025	7.5	05	483	0.4	<0.1
FEB-2025	7.3	06	496	0.3	<0.1
MAR-2025	7.5	05	480	0.3	<0.1

Location-V (Rank)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.0	01	399	BLQ	<0.1
NOV-2024	7.3	02	404	0.2	<0.1
DEC-2024	6.9	05	484	0.4	<0.1
JAN-2025	6.9	02	408	BLQ	<0.1
FEB-2025	7.0	03	474	0.2	<0.1
MAR-2025	7.2	06	488	0.4	<0.1

Location-V (Janji)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.5	02	407	BLQ	<0.1
NOV-2024	7.3	04	475	BLQ	<0.1
DEC-2024	7.5	05	484	0.4	<0.1
JAN-2025	7.3	02	460	BL Q	<0.1
FEB-2025	7.4	05	480	0.3	<0.1
MAR-2025	7.2	04	468	0.3	<0.1

Location-V (Kaudia)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.2	04	470	0.4	<0.1
NOV-2024	7.1	05	498	0.4	<0.1
DEC-2024	6.9	04	470	0.3	<0.1
JAN-2025	7.2	04	484	0.4	<0.1

FEB-2025	7.2	05	462	0.3	<0.1
MAR-2025	7.5	03	418	BLQ	<0.1

Location-V (Darrabhata)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.1	02	440	BLQ	<0.1
NOV-2024	7.6	01	390	BLQ	<0.1
DEC-2024	7.5	02	407	0.2	<0.1
JAN-2025	7.5	02	394	BLQ	<0.1
FEB-2025	7.1	04	440	BLQ	<0.1
MAR-2025	7.3	06	486	0.4	<0.1

Location-V (Deori)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.3	05	488	0.4	<0.1
NOV-2024	7.2	03	454	0.3	<0.1
DEC-2024	7.2	04	464	BLQ	<0.1
JAN-2025	7.0	05	487	0.3	<0.1
FEB-2025	7.5	06	495	0.4	<0.1
MAR-2025	7.4	06	495	0.4	<0.1

Location-V (Nvaadih)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.5	05	475	0.5	<0.1
NOV-2024	7.5	02	415	BLQ	<0.1
DEC-2024	7.3	01	394	BLQ	<0.1
JAN-2025	6.9	03	420	0.2	<0.1
FEB-2025	7.3	02	407	BLQ	<0.1
MAR-2025	7.7	03	454	BLQ	<0.1

Table-VII : Heavy Metals monitoring around plant villages

Legend: BDL – Below Detection Limit / BLQ- Below Limit of Quantification, LOQ-Limit of Quantification
Minimum Detection Limit (mg/l): Cu: 0.002, Zn: 0.1, Cd : 0.002 Cr(Total):0.002, Pb:0.002, As : 0.002, Hg:0.0005

Month	Location-I (Hardadih)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-II (Sukhripali)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-III (Ralia)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-IV (Bhilai)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							

Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Location-V (Gataura)								
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Location-VI (Rank)								
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Location-VII (Janji)								
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Location-VIII (Kaudia)								
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

NOV-2024	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-IX (Darrabhata)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-X (Deori)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-XI (Nvaadih)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Annexure to EC Stage III condition No 1.3



Janji Ranisagar Pond – Works in progress



Janji Parashari Pond – Works completed Before and After

मालिक का नाम एवं पता

NTPC Limited

दिनांक/DATE:

17-12-2024

OWNERS Name & Address

NTPC Ltd, Sipat Super Thermal Power Station,
PO Ujjwal Nagar, NTPC Sipat, Village Janji,
UpTehsil Sipat, District Bilaspur, Chhattisgarh
495555, India

वैधता/ Valid Up to:

16-12-2032

ऊँचाई की अनुमति हेतु अनापत्ति प्रमाण पत्र(एनओसी)
No Objection Certificate for Height Clearance

1) यह अनापत्ति प्रमाण पत्र भारतीय विमानपत्तन प्राधिकरण (भाविप्रा) द्वारा प्रदत्त दायित्वों के अनुक्रम तथा सुरक्षित एवं नियमित विमान प्रचालन हेतु भारत सरकार (नागर विमानन मंत्रालय) की अधिसूचना जी. एस. आर. 751 (ई) दिनांक 30 सितम्बर, 2015, जी. एस. आर. 770 (ई) दिनांक 17 दिसंबर 2020 द्वारा संशोधित, के प्रावधानों के अंतर्गत दिया जाता है।

1. This NOC is issued by Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR751 (E) dated 30th Sep.2015 amended by GSR770(E) dated 17th Dec 2020 for safe and Regular Aircraft Operations.

2) इस कार्यालय को निम्नलिखित विवरण के अनुसार प्रस्तावित संरचना के निर्माण पर कोई आपत्ति नहीं है।

2. This office has no objection to the construction of the proposed structure as per the following details:

अनापत्ति प्रमाणपत्र आईडी / NOC ID	BILA/EAST/B/121524/1417380
आवेदक का नाम / Applicant Name*	Vijay Pratap
स्थल का पता / Site Address*	Sipat Super Thermal Power Project, Stage-III (1x800 MW), Chimney at Plot No. 1059,1060,1061 and 1062, Village Janji, UpTehsil Sipat, District Bilaspur, Chhattisgarh-495555,Janji/Sipat,Bilaspur,Chhattisgarh
स्थल के निर्देशांक / Site Coordinates*	22 07 17.42N 82 17 06.44E, 22 07 19.70N 82 17 06.49E, 22 07 17.37N 82 17 08.88E, 22 07 19.65N 82 17 08.93E
स्थल की ऊँचाई एएमएसएल मीटर में (औसतन समुद्र तल से ऊपर), (जैसा आवेदक द्वारा उपलब्ध कराया गया) / Site Elevation in mtrs AMSL as submitted by Applicant*	282.61 M
अनुमन्य अधिकतम ऊँचाई एएमएसएल मीटर में (औसतन समुद्र तल से ऊपर) / Permissible Top Elevation in mtrs Above Mean Sea Level(AMSL)	561.11 M

*** जैसा आवेदक द्वारा उपलब्ध कराया गया / As provided by applicant ***

3) यह अनापत्ति प्रमाण पत्र निम्नलिखित नियम व शर्तों के अधीन है: -

3. This NOC is subject to the terms and conditions as given below:

क) आवेदक द्वारा उपलब्ध कराए गए स्थल की ऊँचाई तथा निर्देशांक को, प्रस्तावित संरचना हेतु अनुमन्य अधिकतम ऊँचाई जारी करने के लिए प्रयोग किया गया है। भारतीय विमान पत्तन प्राधिकरण, आवेदक द्वारा उपलब्ध कराये गए स्थल की ऊँचाई तथा निर्देशांक की यथार्थता का ना तो उत्तरदायित्व वहन करता है, और ना ही इनको प्रमाणीकृत करता है। यदि किसी भी स्तर पर यह पता चलता है कि वास्तविक विवरण, आवेदक द्वारा उपलब्ध कराए गए विवरण से भिन्न है, तो यह अनापत्ति प्रमाण पत्र अमान्य माना जाएगा तथा कानूनी कार्यवाही की जाएगी। सम्बंधित विमान क्षेत्र के प्रभारी अधिकारी द्वारा एयरक्राफ्ट नियम 1994 (भवन, वृक्षों आदि के कारण अवरोध का विध्वंस) के अधीन कार्यवाही की जायगी।

a. Permissible Top elevation has been issued on the basis of Site coordinates and Site Elevation submitted by Applicant. AAI neither owns the responsibility nor authenticates the correctness of the site coordinates & site elevation provided by the applicant. If at any stage it is established that the actual data is different, this NOC will stand null and void and action will be taken as per law. The officer in-charge of the concerned aerodrome may initiate action under the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994",

ख) अनापत्ति प्रमाण पत्र के आवेदन में आवेदक द्वारा उपलब्ध कराए गए स्थल निर्देशांक को सड़क दृश्य मानचित्र और उपग्रह मानचित्र पर अंकित किया गया है जैसा कि अनुलग्नक में दिखाया गया है। आवेदक / मालिक यह सुनिश्चित करे कि अंकित किए गए निर्देशांक उसके स्थल से मेल खाते हैं। किसी भी विसंगति के मामले में, नामित अधिकारी को अनापत्ति प्रमाण पत्र रद्द करने के लिए अनुरोध किया जाएगा।

b. The Site coordinates as provided by the applicant in the NOC application has been plotted on the street view map and satellite map as shown in ANNEXURE. Applicant/Owner to ensure that the plotted coordinates corresponds to his/her site. In case of any discrepancy, Designated Officer shall be requested for cancellation of the NOC.

ग) एयरपोर्ट संचालक या उनके नामित प्रतिनिधि, अनापत्ति प्रमाण पत्र नियमों और शर्तों का अनुपालन सुनिश्चित करने के लिए स्थल (आवेदक या मालिक के साथ पूर्व समन्वय के साथ) का दौरा कर सकते हैं।

c. Airport Operator or his designated representative may visit the site (with prior coordination with applicant or owner) to ensure that NOC terms & conditions are complied with.

घ) संरचना की ऊँचाई (सुपर स्ट्रक्चर सहित) की गणना अनुमन्य अधिकतम ऊँचाई (ए एम एस एल) से स्थल की ऊँचाई को घटाकर की जायेगी। अर्थात्, संरचना की अधिकतम ऊँचाई = अनुमन्य अधिकतम ऊँचाई (-) स्थल की ऊँचाई।

d. The Structure height (including any superstructure) shall be calculated by subtracting the Site elevation in AMSL from the Permissible Top Elevation in AMSL i.e. Maximum Structure Height = Permissible Top Elevation minus (-) Site Elevation.

च) अनापत्ति प्रमाण पत्र जारी करना, भारतीय एयरक्राफ्ट एक्ट 1934, के सैक्शन 9-A तथा इसके अंतर्गत समय-समय पर जारी अधिसूचनाएं तथा एयरक्राफ्ट नियम (1994 भवन, वृक्षों आदि के कारण अवरोध का विध्वंस) के अधीन है।

e. The issue of the 'NOC' is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and any notifications issued there under from time to time including, "The Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994".

छ) कोई भी रेडियो/ टीवी एंटीना, लाइटनिंग अरेस्टर, सीढिया, मुमटी, पानी की टंकी अथवा कोई अन्य वस्तु तथा किसी भी प्रकार के संलग्नक उपस्कर पैरा 2 में उल्लेखित अनुमन्य अधिकतम ऊँचाई से ऊपर नहीं जानी चाहिए।

f. No radio/TV Antenna, lightening arresters, staircase, Mumty, Overhead water tank or any other object and attachments of fixtures of any kind shall project above the Permissible Top Elevation as indicated in para 2.

ज) विमानक्षेत्र संदर्भ बिंदु के 8 KM के भीतर तेल, बिजली या किसी अन्य ईंधन का उपयोग जो उड़ान संचालन के लिए धुएं का खतरा पैदा नहीं करता है, ही मान्य है।

g. Use of oil, electric or any other fuel which does not create smoke hazard for flight operation is obligatory, within 8 KM of the Aerodrome Reference Point

झ) यह प्रमाणपत्र इसके जारी होने की तारीख से 8 साल की अवधि के लिए वैध है, तथा उक्त प्रमाणपत्र जारी करने की तारीख से अधिकतम बारह साल की अवधि के लिए बढ़ाया जाएगा।

h. The certificate is valid for a period of 8 years from the date of its issue & shall be extended for a maximum period of twelve years from the date of its issue.

ट) भवन के निर्माण के दौरान या उसके बाद किसी भी समय स्थल पर ऐसी कोई भी लाइट या लाइटो का संयोजन नहीं लगाया जाएगा जिसकी तीव्रता, आकृति या रंग के कारण वैमानिक ग्राउन्ड लाइटों के साथ भ्रम उत्पन्न हो। विमान के सुरक्षित प्रचालन को प्रभावित करने वाली कोई भी गतिविधि मान्य नहीं होगी।

i. No light or a combination of lights which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the Airport shall be installed at the site at any time, during or after the construction of the building. No activity shall be allowed which may affect the safe operations of flights.

ठ) आवेदक द्वारा विमानपत्तन पर या उसके आसपास विमान से उत्पन्न शोर, कंपन या विमान प्रचालन से हुई किसी भी क्षति के विरुद्ध कोई शिकायत/दावा नहीं किया जाएगा।

j. The applicant will not complain/claim compensation against aircraft noise, vibrations, damages etc. caused by aircraft operations at or in the vicinity of the airport.

ड) डे मार्किंग तथा सहायक विद्युत आपूर्ति सहित नाइट लाइटिंग (डीजीसीए भारत की वेबसाइट www.dgca.nic.in पर उपलब्ध) नागर विमानन आवश्यकताएं श्रृंखला 'बी' पार्ट I. सैक्शन-4 के चैप्टर 6 तथा अनुलग्नक 6 में विनिर्दिष्ट दिशानिर्देशों के अनुसार उपलब्ध कराई जाएंगी।

k. Day markings & night lighting with secondary power supply shall be provided as per the guidelines specified in chapter 6 and appendix 6 of Civil Aviation Requirement Series 'B' Part I Section 4, available on DGCA India website: www.dgca.nic.in

ढ) भवन के नक्शे के अनुमोदन सहित अन्य सभी वैधानिक अनापत्ति, संबंधित प्राधिकरणों से लेना आवेदक की जिम्मेदारी होगी, क्योंकि इस ऊँचाई हेतु अनापत्ति प्रमाणपत्र लेने का उद्देश्य सुरक्षित एवं नियमित विमान प्रचालन सुनिश्चित करना है तथा इसे भूमि के स्वामित्व आदि सहित किसी अन्य उद्देश्य/ दावे के लिए दस्तावेज के रूप में प्रयोग नहीं किया जा सकता।

l. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This NOC for height clearances is only to ensure safe and regular aircraft operations and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.

ण) इस अनापत्ति प्रमाणपत्र आईडी का मूल्यांकन Bilaspur विमानक्षेत्रों के संबंध में किया गया है। यह अनापत्ति प्रमाणपत्र भारतीय विमान पत्तन प्राधिकरण के विमानक्षेत्रों और अन्य लाइसेंस प्राप्त सिविल विमानक्षेत्रों, जो जी. एस. आर. 751 (ई) जी. एस. आर. 770 (ई) द्वारा संशोधित के अनुसूची - III, अनुसूची - IV (भाग- I), अनुसूची- IV (भाग -2; केवल RCS हवाई अड्डे) और अनुसूची- VII में सूचीबद्ध हैं, के लिए जारी किया गया है।

m. This NOC ID has been assessed with respect to the Bilaspur Airports. NOC has been issued w.r.t. the AAI Aerodromes and other licensed Civil Aerodromes as listed in Schedule - III, Schedule - IV(Part-I), Schedule- IV (Part-2; RCS Airports Only) and Schedule-VII of GSR 751(E) amended by GSR770(E)

त) यदि स्थल रक्षा विभाग के विमान क्षेत्र के अधिकार क्षेत्र में आता है, जैसा कि जीएसआर 751 (ई) की अनुसूची-V में सूचीबद्ध है, तो आवेदक को रक्षा विभाग से अलग से अनापत्ति प्रमाणपत्र लेना होता है। जीएसआर 751 (ई) जी. एस. आर. 770 (ई) द्वारा संशोधित के नियम 13 के अनुसार, आवेदकों को उन स्थलों के लिये, जो जीएसआर 751 (ई) जी. एस. आर. 770 (ई) द्वारा संशोधित के अनुसूची- IV (भाग -2; आरसीएस हवाई अड्डों के अलावा) के रूप में सूचीबद्ध बिना लाइसेंस वाले विमान क्षेत्र के अधिकार क्षेत्र में आता हैं, तो संबंधित राज्य सरकार से भी अनापत्ति प्रमाणपत्र लेने की आवश्यकता है।

n. Applicant needs to seek separate NOC from Defence, if the site lies within the jurisdiction of Defence Aerodromes as listed in Schedule – V of GSR 751 E amended by GSR770(E). As per rule 13 of GSR 751 E amended by GSR770(E), applicants also need to seek NOC from the concerned state government for sites which lies in the jurisdiction of unlicensed aerodromes as listed in Schedule-IV (Part-2; other than RCS airports) of GSR 751 E amended by GSR770(E)

थ) अनापत्ति प्रमाण पत्र (एनओसी) की किसी भी त्रुटि/व्याख्या की स्थिति में अंगरेजी अनुवाद ही मान्य होगा।




o. In case of any discrepancy/interpretation of NOC letter, English version shall be valid.

द) स्थल की ऊँचाई और/या संरचना की ऊँचाई के किसी भी विवाद में अनुमन्य अधिकतम ऊँचाई एएमएसएल में ही मान्य होगी।

p. In case of any dispute with respect to site elevation and/or AGL height, Permissible Top Elevation in AMSL shall prevail.

क्षेत्र का नाम / Region Name:

पूर्व/EAST

पदनामित अधिकारी/Designated Officer	
नाम/ पदनाम/दिनांक सहित हस्ताक्षर Name/Designation/Sign with date	 प्रणव सरकार/Pranab Sarkar महाप्रबंधक (एटीएम) पू.क्ष. / General Manager (ATM) ER भा.वि.प्रा./A.A.I., ने.सु.च.ब.अं. हवाई अड्डा/N.S.C.B.I. Airport कोलकाता/Kolkata 700 052
द्वारा तैयार Prepared by	 अरिन्दम घोष/ARINDAM GHOSH स. महाप्रबंधक (एटीएम) पू.क्ष. / Jt.Gen.Mgr. (ATM) ER भा.वि.प्रा., पू.क्ष. / A.A.I., ER ने.सु.च.ब.अं. हवाई अड्डा/N.S.C.B.I. Airport कोलकाता/Kolkata - 700 052
द्वारा जांचा गया Verified by	 नसरुल्लाह भुटिया/NASRULLAH BHUTIA उप महाप्रबंधक (एटीएम) पू.क्ष. / Dy.Gen.Mgr. (ATM) ER भा.वि.प्रा., पू.क्ष. / A.A.I., ER ने.सु.च.ब.अं. हवाई अड्डा/N.S.C.B.I. Airport कोलकाता/Kolkata - 700 052

ईमेल आईडी / EMAIL ID : gmatmer@aai.aero

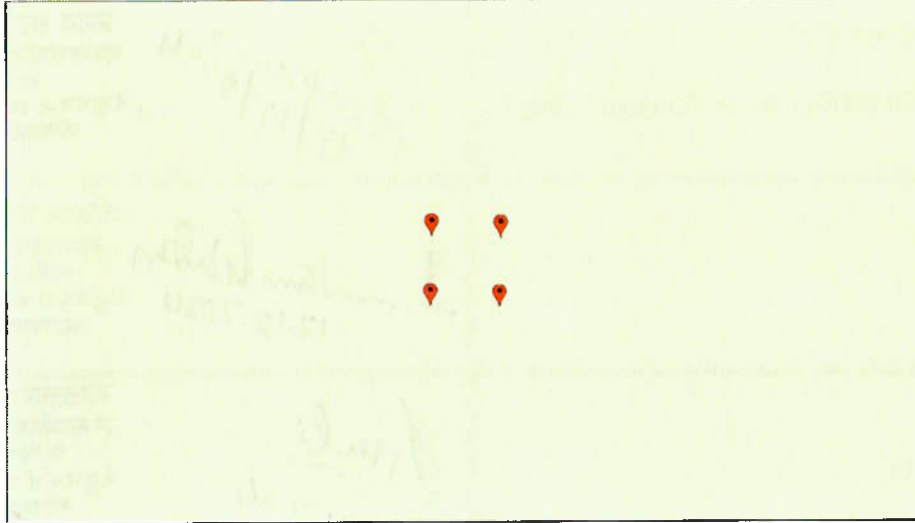
फोन/ Ph: 033-25111293

ANNEXURE/अनुलग्नक

Distance From Nearest Airport And Bearing/निकटतम विमानक्षेत्र से दूरी और बीयरिंग

Airport Name/ विमानक्षेत्र का नाम	Distance (Meters) from Nearest ARP/निकटतम विमानक्षेत्र संदर्भ बिंदु से दूरी (मीटर में)	Bearing(Degree) from Nearest ARP/निकटतम विमानक्षेत्र संदर्भ बिंदु से बीयरिंग (डिग्री)
Bilaspur	22485.45	50.75
NOCID	BILA/EAST/B/121524/1417380	

Street View



December 15, 2024

0 0.25 0.50 1.00 2.00
0 0.04 0.08 0.16 0.32
Scale: 1:5,000
0.11 mi
0.18 km
Source: © 2024 Google LLC. Imagery © 2024 Google LLC. Data © 2024 Google LLC. All rights reserved. Google is not responsible for any inaccuracies or omissions in this data.

Satellite View



December 15, 2024

0 0.25 0.50 1.00 2.00
0 0.04 0.08 0.16 0.32
Scale: 1:5,000
0.11 mi
0.18 km
Source: © 2024 Google LLC. Imagery © 2024 Google LLC. Data © 2024 Google LLC. All rights reserved. Google is not responsible for any inaccuracies or omissions in this data.

SOLAR PV INSTALLED AT NTPC SIPAT



Roof Top Solar Panels at Simulator building



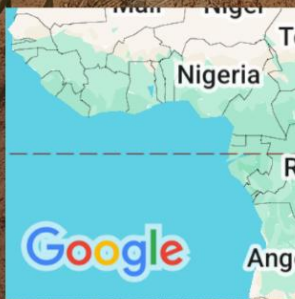
Roof top solar at Regional Learning Centre



Roof top solar at Service building, plant area

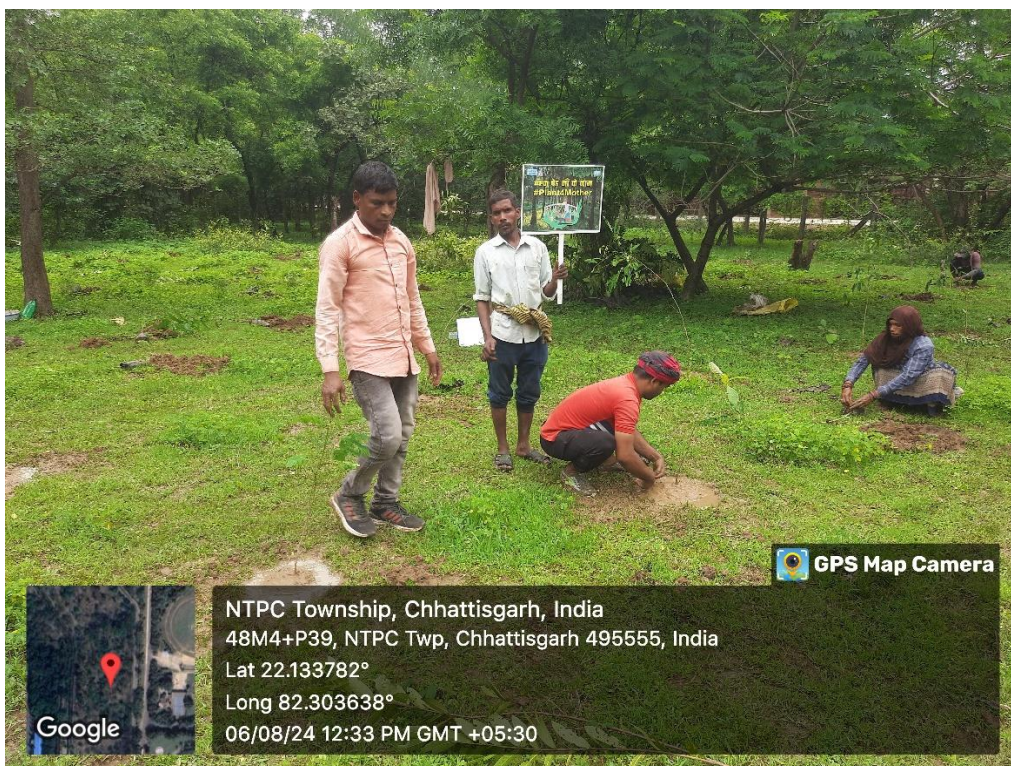


Ground mounted Solar Panels at Kalaniketan, township



Bilaspur Chhattisgarh Inde
Unnamed Road, Chhattisgarh 495009, Inde
Lat 22.203369 Long 82.255065
2025/05/09 17:26:57
+0530

GAP PLANTATION AT NTPC SIPAT IN 2024-25



Annexure to EC stage III condition No 1.24

Ground Water Quality Monitoring

Period of Observation: 01.10.2024 to 31.03.2025

Legend :BDL – Below Detection Limit / BLQ- Below Limit of Quantification, LOQ-Limit of Quantification
Minimum Detection Limit (mg/l): F:0.2

Month	Location-I (Hardadih)				
	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.5	01	390	BLQ	<0.1
NOV-2024	7.2	02	418	BLQ	<0.1
DEC-2024	7.3	03	434	0.2	<0.1
JAN-2025	7.3	02	420	BLQ	<0.1
FEB-2025	7.1	06	490	0.4	<0.1
MAR-2025	7.3	05	470	BLQ	<0.1

Month	Location-II (Sukhricali)				
	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.3	04	474	0.3	<0.1
NOV-2024	7.1	05	495	0.5	<0.1
DEC-2024	7.5	04	474	0.3	<0.1
JAN-2025	7.5	06	494	0.4	<0.1
FEB-2025	7.2	04	460	0.2	<0.1
MAR-2025	7.5	06	495	0.4	<0.1

Month	Location-III (Ralia)				
	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.1	02	414	BLQ	<0.1
NOV-2024	7.5	01	394	BLQ	<0.1
DEC-2024	7.2	02	414	BLQ	<0.1
JAN-2025	7.2	03	431	0.2	<0.1
FEB-2025	7.6	02	422	BLQ	<0.1
MAR-2025	7.2	02	412	BLQ	<0.1

Location-IV (Bhilai)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.6	05	491	0.4	<0.1
NOV-2024	7.3	04	467	0.3	<0.1
DEC-2024	7.1	03	460	BLQ	<0.1
JAN-2025	7.1	03	470	0.3	<0.1
FEB-2025	7.4	02	403	BLQ	<0.1

MAR-2025	7.6	03	454	0.3	<0.1
Location-V (Gatora)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.2	06	500	0.5	<0.1
NOV-2024	7.6	05	478	0.4	<0.1
DEC-2024	7.5	06	488	0.4	<0.1
JAN-2025	7.5	05	483	0.4	<0.1
FEB-2025	7.3	06	496	0.3	<0.1
MAR-2025	7.5	05	480	0.3	<0.1

Location-V (Rank)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.0	01	399	BLQ	<0.1
NOV-2024	7.3	02	404	0.2	<0.1
DEC-2024	6.9	05	484	0.4	<0.1
JAN-2025	6.9	02	408	BLQ	<0.1
FEB-2025	7.0	03	474	0.2	<0.1
MAR-2025	7.2	06	488	0.4	<0.1

Location-V (Janji)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.5	02	407	BLQ	<0.1
NOV-2024	7.3	04	475	BLQ	<0.1
DEC-2024	7.5	05	484	0.4	<0.1
JAN-2025	7.3	02	460	BL Q	<0.1
FEB-2025	7.4	05	480	0.3	<0.1
MAR-2025	7.2	04	468	0.3	<0.1

Location-V (Kaudia)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.2	04	470	0.4	<0.1
NOV-2024	7.1	05	498	0.4	<0.1
DEC-2024	6.9	04	470	0.3	<0.1
JAN-2025	7.2	04	484	0.4	<0.1

FEB-2025	7.2	05	462	0.3	<0.1
MAR-2025	7.5	03	418	BLQ	<0.1

Location-V (Darrabhata)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.1	02	440	BLQ	<0.1
NOV-2024	7.6	01	390	BLQ	<0.1
DEC-2024	7.5	02	407	0.2	<0.1
JAN-2025	7.5	02	394	BLQ	<0.1
FEB-2025	7.1	04	440	BLQ	<0.1
MAR-2025	7.3	06	486	0.4	<0.1

Location-V (Deori)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.3	05	488	0.4	<0.1
NOV-2024	7.2	03	454	0.3	<0.1
DEC-2024	7.2	04	464	BLQ	<0.1
JAN-2025	7.0	05	487	0.3	<0.1
FEB-2025	7.5	06	495	0.4	<0.1
MAR-2025	7.4	06	495	0.4	<0.1

Location-V (Nvaadih)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.5	05	475	0.5	<0.1
NOV-2024	7.5	02	415	BLQ	<0.1
DEC-2024	7.3	01	394	BLQ	<0.1
JAN-2025	6.9	03	420	0.2	<0.1
FEB-2025	7.3	02	407	BLQ	<0.1
MAR-2025	7.7	03	454	BLQ	<0.1

Surface Water (Pond) Quality Monitoring
Period of Observation: 01.10.2024 to 31.03.2025

Month	Location-I (Hardadih)				
	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.3	16	321	0.2	<0.1
NOV-2024	7.2	14	312	BLQ	<0.1
DEC-2024	7.5	13	292	BLQ	<0.1
JAN-2025	7.3	15	320	BLQ	<0.1
FEB-2025	7.1	13	293	BLQ	<0.1
MAR-2025	7.3	12	309	BLQ	<0.1

Month	Location-II (Sukhripali)				
	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.2	16	367	0.4	<0.1
NOV-2024	7.5	18	375	0.5	<0.1
DEC-2024	7.2	18	384	0.5	<0.1
JAN-2025	7.5	16	360	0.4	<0.1
FEB-2025	7.2	16	350	0.3	<0.1
MAR-2025	7.5	12	340	0.3	<0.1

Month	Location-III (Ralia)				
	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.5	15	299	BLQ	<0.1
NOV-2024	7.6	11	279	BLQ	<0.1
DEC-2024	7.5	16	324	BLQ	<0.1
JAN-2025	7.2	15	334	BLQ	<0.1
FEB-2025	7.5	14	317	0.2	<0.1
MAR-2025	7.2	15	327	0.2	<0.1

Location-IV (Bhilai)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.8	12	279	BLQ	<0.1
NOV-2024	7.3	14	287	0.2	<0.1
DEC-2024	7.6	14	297	BLQ	<0.1
JAN-2025	7.1	16	350	0.3	<0.1
FEB-2025	7.0	18	380	0.5	<0.1

MAR-2025	7.2	18	388	0.5	<0.1
Location-V (Gatora)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.3	18	379	0.5	<0.1
NOV-2024	7.5	15	363	0.3	<0.1
DEC-2024	7.2	15	340	0.3	<0.1
JAN-2025	7.5	14	307	BLQ	<0.1
FEB-2025	7.3	15	336	BLQ	<0.1
MAR-2025	7.4	17	360	0.4	<0.1

Location-V (Rank)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.1	15	347	0.3	<0.1
NOV-2024	7.2	14	351	0.2	<0.1
DEC-2024	7.1	17	367	0.4	<0.1
JAN-2025	7.6	18	388	0.5	<0.1
FEB-2025	7.5	17	362	0.4	<0.1
MAR-2025	7.7	14	320	BLQ	<0.1

Location-V (Janji)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.5	15	354	0.3	<0.1
NOV-2024	7.2	18	380	0.4	<0.1
DEC-2024	7.3	15	360	0.4	<0.1
JAN-2025	7.0	17	381	0.4	<0.1
FEB-2025	7.4	16	347	0.3	<0.1
MAR-2025	7.2	14	323	BLQ	<0.1

Location-V (Kaudia)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.2	12	280	BLQ	<0.1
NOV-2024	7.3	13	287	BLQ	<0.1
DEC-2024	7.5	14	303	BLQ	<0.1
JAN-2025	7.3	13	321	BLQ	<0.1

FEB-2025	7.2	15	332	0.2	<0.1
MAR-2025	7.1	16	360	0.4	<0.1

Location-V (Darrabhata)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.3	16	366	0.4	<0.1
NOV-2024	7.3	15	362	0.3	<0.1
DEC-2024	7.2	17	374	0.4	<0.1
JAN-2025	7.1	15	362	0.4	<0.1
FEB-2025	7.6	17	368	0.4	<0.1
MAR-2025	7.5	17	375	0.4	<0.1

Location-V (Deori)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.5	15	313	BLQ	<0.1
NOV-2024	7.5	15	320	0.2	<0.1
DEC-2024	7.6	16	347	0.3	<0.1
JAN-2025	7.2	13	307	BLQ	<0.1
FEB-2025	7.2	14	320	BLQ	<0.1
MAR-2025	7.6	15	328	BLQ	<0.1

Location-V (Nvaadih)					
Month	pH	TSS	TDS	F	B
		[mg/L]			
OCT-2024	7.2	13	288	0.2	<0.1
NOV-2024	7.2	14	300	BLQ	<0.1
DEC-2024	7.1	13	284	BLQ	<0.1
JAN-2025	6.9	14	336	0.3	<0.1
FEB-2025	7.1	13	311	BLQ	<0.1
MAR-2025	7.3	15	348	0.3	<0.1

Table-VII : Heavy Metals monitoring around plant villages

Legend: BDL – Below Detection Limit / BLQ- Below Limit of Quantification, LOQ-Limit of Quantification
Minimum Detection Limit (mg/l): Cu: 0.002, Zn: 0.1, Cd : 0.002 Cr(Total):0.002, Pb:0.002, As : 0.002, Hg:0.0005

Month	Location-I (Hardadih)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.20	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-II (Sukhripali)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-III (Ralia)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-IV (Bhilai)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							

Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Location-V (Gataura)								
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Location-VI (Rank)								
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Location-VII (Janji)								
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Location-VIII (Kaudia)								
Month	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

NOV-2024	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.28	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-IX (Darrabhata)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-X (Deori)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.21	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Month	Location-XI (Nvaadih)							
	Fe	Hg	Cd	Cr	Pb	Zn	As	Cu
	[mg/L]							
OCT-2024	0.26	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
NOV-2024	0.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
DEC-2024	0.24	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
JAN-2025	0.27	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
FEB-2025	0.23	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
MAR-2025	0.25	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Annexure to EC stage III condition No. 1.26
SINGLE USE PLASTIC BANNED AT NTPC SIPAT



Jute bags were distributed to all employees during Environment Day 2024.



Dustbins are distributed to households to ensure source segregation at source.



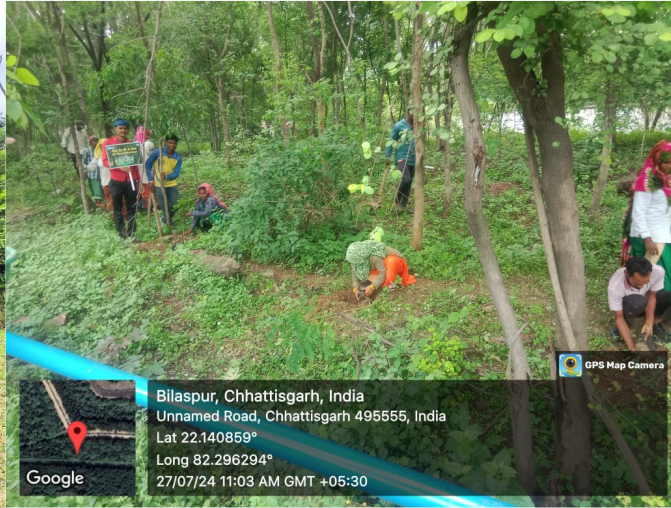
Awareness walkathon conducted for banning single use plastic.

Annexure to EC stage III condition No 1.27

‘Ek ped maa Ke Naam’ photos







EC condition No 2.3
Status of Implementation of Public Hearing Issues - NTPC Sipat stage III

Sl No	Activity	Status
1	Development of Sports Stadium in Sipat village	In-principle approval obtained. Drawing and Estimate preparation in process.
2	Development of Sports Stadium in Baniyadih village	In-principle approval obtained. Site visit to be conducted for Drawing and Estimate preparation
3	Medical Infrastructure in PHC, Sipat	PO awarded for Rs 58.43 Lakhs for purchase of necessary materials and equipments for PHC Sipat Ist installment of Rs. 46.74 Lakhs released to Collector, Bilaspur.
4	Taekwondo Promotion in Janji village	Activity completed and Tournament also completed. 1.11 lakhs Taekwondo items provided to Janji as per their requirement
5	Developing Health infrastructure	PO awarded for Rs 15.00 Lakhs for purchase of Delivery Vaccine Van and full payment released to Collector, Bilaspur
		10 nos Blood Donation Couches provided to CIMS, Bilaspur for an amount of Rs.4.0 lakhs
		PO awarded for Rs.292.05 lakhs for procurement of Medical Equipment for CIMS, Bilaspur. Ist installment of Rs 233.64 Lakhs released to Collector, Bilaspur
6	Conduct of Medical Camps	Mobile Medical Unit is operational covering 36 project affected villages. Mobile Medical Unit has qualified doctor, pharmacist, nurses and paramedical staff. It provides free consultation, medicines and pathological testing. Total cumulative beneficiaries for FY 2024-25 is 17567.
7	Renovation of School in Eramshahi village	In-principle approval obtained. Site visit conducted. Renovation of existing school building is not possible. New building can be constructed on that space. Sarpanch has been requested to arrange for site clearance and provide space and clearances for construction of School Building.

EC condition No 2.3

Status of Implementation of Public Hearing Issues - NTPC Sipat stage III

Sl No	Activity	Status
8	Development of School Education Infrastructure in affected villages	PO awarded of Rs 61.01 Lakhs for Smart Classroom Infrastructure through EDCIL. Installation of 08 nos Smart Class Infrastructure and 02 nos Smart Podiums completed.
		PO awarded of Rs 27.56 Lakhs for 300 sets Classroom Furniture for MLS Govt College. Installation completed.
		PO awarded of Rs 10.31 Lakhs for Construction of new Anganwadi Centre no. 28 at Hardivishal village Work in progress
9	Skill Development/Vocational Training	PO awarded of Rs 28.09 Lakhs for providing short term placement linked skill development training programmes in 03 trades through CIPET Korba for local youths of affected villages Training of machine operator assistant - injection mouldng trade completed. 16 participants have been issued offers of appointment in various companies.
10	Installation of Handpump in Darripara Mohalla of Rank village	PO awarded of Rs 15.88 Lakhs for piped drinking water supply arrangement in Darriparra mohalla of village Rank. Work in progress.
11	Drinking Water	PO awarded of Rs 18.51 Lakhs for Drinking water supply arrangement at Naiyapara mohalla in village Rank. Work in progress.
		PO awarded of Rs 9.91 Lakhs for installation of 03 nos bore wells along with motor pump system in Janji village. Work in progress
		PR of Rs 7.36 Lakhs for deployment of water tankers for providing drinking water in village Darrabhata. Presently under PR concurrence stage
		PR of Rs 4.93 Lakhs for deployment of water tankers for providing drinking water in village Janji. Presently under PR concurrence stage
		PR of Rs 6.19 Lakhs for deployment of water tankers for providing drinking water in village Kaudiya. Presently under PR concurrence stage

EC condition No 2.3

Status of Implementation of Public Hearing Issues - NTPC Sipat stage III

SI No	Activity	Status
	Drinking Water	PR of Rs 6.19 Lakhs for deployment of water tankers for providing drinking water in village Sipat. Presently under PR concurrence stage
12	Development of Pond/Pond Rejuvenation	CC road, pitching work and ghat construction in Panbhariya pond in Kaudiya village. Work Completed (20.00 lakhs)
		Regarding deepening, pitching and construction work in Balabad pond in Deori village Work Completed (25.54 lakhs)
		Piching, Bathing Ghat in Amha & Rani Sagar Talab in Janji village. PO Awarded and Work in progress (28.89 lakhs)
		PO awarded of Rs 18.49 Lakhs for development of embankment, brick pitching, paver blocks from berm of road to embankment, constn bathing ghats of Bandhwa Talaab (towards Deori village side)(Part-I). Work in progress.
		PR of 49.66 lakhs for Beautification, Area Development, Park Development, Community Toilet etc at Ghat of Bandhwa Talab (Part-II) Under award process.
		PO awarded of Rs 38.76 Lakhs for rejuvenation of Mahuwa Talab in village Gatoura. Work to be started.
		PO awarded of Rs 24.62 Lakhs for Pachri and Pitching in Ramsagar talab, Rajiv Mission Talab and Naya Talab in Karra village (03 Ponds). Work in progress.
		PO awarded of Rs 26.61 Lakhs for development of Pond in Eramshahi village. Work in progress.
13	Community Toilet Infrastructure	Community Toilet in Rank village. Work completed (10.79 lakhs)
		Toilet in Govt Higher Secondary School, Darrabhata village Work completed (10.00 lakhs)
14	Renewable Energy	Installation of 22 nos Solar High Mast Lights through CREDA. Installation completed (103.33 lakhs)
		PO awarded of Rs 46.97 Lakhs for installation of 10 nos Solar High Mast Lights through CREDA. Location finalized, installation to be started.

EC condition No 2.3

Status of Implementation of Public Hearing Issues - NTPC Sipat stage III

SI No	Activity	Status
	Renewable Energy	PO awarded of Rs 1.57 Lakhs for procurement of E-Cart (for Garbage Disposal) at Luthra Sharif Dargah. E-Cart handedover to Intezamiya Committee Luthra Sharif Dargah.
15	Infrastructure development	PO awarded of Rs 57.39 Lakhs for construction of road from Bazaar Chowk to Lilagarh River in Darrabhata village. Work completed.
		Construction of Culvert in Darrabhata village. In-principle approval obtained. site visit to be done.
		PO awarded of Rs 18.89 Lakhs for construction of cremation shed in Mukti Dham near Limahi Talab in village Sipat. Work in progress.
		PO awarded of Rs 38.77 Lakhs for construction of boundary wall of Muktidham in Anusuchit Jati Mohala in Deori vilage. Work in progress
		PO awarded of Rs 20.97 Lakhs for boundary wall construction of Gauthan in Janji village. Work in progress
		PO awarded of Rs 44.86 Lakhs for construction of CC road from Nawadih Chowk to Mant Ram Sidar House vis Mata Choura Mandir and required Drainage System in village Sipat Work in progress.
		PO awarded of Rs 71.84 Lakhs for construction of CC road in village Janji Karra and Sipat Work in progress.
		PO awarded of Rs 37.44 Lakhs for construction of CC Roads in Gataura village Work completed.
		PO awarded of Rs 40.46 Lakhs for laying of CC road from Sahka Ram house to NH Road and Mata choura to Purana Bazar in Raliya village Work started.
		PO awarded of Rs 17.87 Lakhs for Construction of CC Road in Sipat village Work completed
		PR of Rs 71.40 Lakhs for construction of CC road in village Karra. Presently under PR concurrence stage

EC condition No 2.3

Status of Implementation of Public Hearing Issues - NTPC Sipat stage III

SI No	Activity	Status
	Infrastructure development	PR of Rs 32.76 Lakhs for Boundary wall construction in village Karra. Presently under PR concurrence stage
		PO awarded of Rs 49.41 Lakhs for reconstruction of V.R.B. (culvert) near village Gatoura at RD 33015 meter on the left bank canal of Kharang reservoir on deposit basis Ist installment of Rs.39.52 lakhs payment released to Collector, Bilaspur
		PO awarded of Rs 19.90 Lakhs for CC road Khageshwar house to muktidham in Hardadih village Wotk to be started.
		PO awarded of Rs 11.18 Lakhs for Construction of CC approach road in village Kaudia Work completed.
		PO awarded of Rs 38.47 Lakhs for Boundary wall construction in Muktidham Sankarpara at Koudiya village. Work in progress
		PO awarded of Rs 47.86 Lakhs for construction of Community Hall in Rank Village Work to be started
		Financial assistance of Rs 21.77 Lakhs for repair of road work in village Darrabhata. Work completed.
16	Other Activities	PO awarded of Rs 7.99 Lakhs for Providing Financial Support for 1000 nos. of Helmets to SP Bilaspur for State Road Safety Month 2025 Complete payment released.
		PO awarded of Rs 11.58 Lakhs for providing Assistance to Collector Bilaspur for organzing State-Level Sports activities for the Divyang Children Complete payment released.