

Ref: Lara/EMG/2022

Date: 12.11.2022

To
Additional Principal Chief Conservator of Forests
Ministry of Environment, Forest & Climate Change
Regional Office (West Central Zone)
Ground Floor, East Wing,
New Secretary Building
Civil Lines, Nagpur-440001
(mail:- apccfcentral-ngp-mef@gov.in)

Subject: 20th Six Monthly Environment Compliance Report of NTPC-Lara Station (2X800 MW).

Ref. No.: MoEF & CC, Govt. Of India, New Delhi letter Reference Number: J 13012/79/2007-1A-II (T); dated: 13.12.2012

Dear Sir,

This has reference to the environment clearance for Lara STPS, NTPC Ltd. issued vide MoEF & CC, Govt. Of India, New Delhi letter Reference Number: J 13012/79/2007-1A-II (T); dated: 13.12.2012. Kindly find the enclosed 20th Six monthly environmental clearance compliance report for the period 01.04.2022 to 30.09.2022 for your record and kind information please.

Thanking You,

Yours Faithfully



Sudhir Dahiya
Additional General Manager
(Environment Management Group)
NTPC Lara

Enclosure: i) As above

**COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE
CONDITIONS FOR LARA STPP, STAGE-I (2X800 MW)**

(PERIOD: April 2022 TO September 2022)

A. Specific Conditions:

S. No.	Description	Status of Implementation (As on 30.09.2022)
i	Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within six months.	Being Complied Vision document specifying prospective plan of the project was submitted to the Regional Office (Western Central Zone) of the MOEF&CC at Nagpur along with first six monthly compliance report vide NTPC letter dated 11.07.2013.
ii	Scheme for implementation for harnessing solar power within the premises of the plant particularly at available roof tops shall be formulated and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	Complied. 1164.8 KW roof top solar panels have been commissioned and operational.
iii	Provision for installation of FGD shall be provided for future use.	NTPC has already awarded contract for installation of FGD to M/s L&T on 31.07.2018 for controlling SOx concentration in flue gas in compliance to the latest MOEF&CC emission norms dated 07.12.2015 for TPP. The installation of FGD is in progress.

iv	Coal transportation to plant site shall be undertaken by rail and no road transportation shall be permitted.	Noted, Compliance assured. MoEF&CC vide gazette notification dated 21.05.2020 and OM dated 11.11.2020 has also accorded amendment regarding coal transportation by road.
v	<p>A long term study of radio activity and heavy metals content on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for Radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.</p> <p>The Clause has been amended as : "Radio activity and Heavy Metals" contents in coal & fly ash (including bottom ash) shall be carried out through a reputed institute once in a year and the analysis report to be submitted to the ministry and its Regional Office.</p>	<p>In compliance to the said stipulations, the heavy metal testing for coal, fly ash and bottom ash has been carried out by MOEF&CC approved vendor.</p> <p>The monitoring of radioactivity contents has also been carried out annually through M/s Board of Radioisotope Technology (BRIT), Department of Atomic Energy (DAE).</p> <p>The analysis reports are being attached along with the compliance report.</p>
vi	Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5% and 34 % respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made to the Ministry for suitable amendments to environmental clearance condition wherever necessary.	MOEF&CC Vide Office Memorandum dated 11.11.2020 has modified this condition. The project proponent has to only inform to the Regional Office of MOEF&CC regarding the change in coal source and quality.
vii	Bi-flue stack of 275 m height with flue gas velocity not less than 22 m/s shall be installed and provided with continuous online monitoring equipments for SO _x , NO _x and PM. Mercury emissions from stack may also be monitored on periodic basis.	Complied. Mercury emissions from stack are also monitored on periodic basis.
viii	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm ³ .	The High Efficiency Electrostatic Precipitators (ESP), designed for achieving guaranteed efficiency of 99.97 % installed and operational to ensure that the emission of Particulate Matter (PM) is in compliance.

ix	Adequate dust extraction system such as cyclones / bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	Complied. Adequate Dust extraction and dust suppression system provided in all areas (in coal handling and ash handling points, transfer areas and other vulnerable dusty areas) for control of fugitive emission.
x	No mine void filling or filling up of low lying areas with fly ash shall be undertaken.	Ash utilization shall be carried out in compliance to the MOEF&CC Notification dated 31.12.2021.
xi	Utilization of 100% Fly Ash generated shall be made from 4th year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	<p>Ash Utilization Plan has been prepared and all efforts are being made to achieve the targets in compliance to fly ash Gazette Notification dated 03.11.2009 and its amendments issued thereafter.</p> <p>Annual Ash utilization report is being attached with the compliance report.</p>
xii	<p>Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form.</p> <p>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. No ash shall be disposed off in low lying area.</p>	<p>Three High Concentration Slurry Disposal (HCSD) Silos are operational having capacity 750MT each for collection, issue of dry fly ash to end user and disposal of unused fly ash in ash dykes as mandated.</p> <p>In addition to above, additional Dry Ash Extraction System (DAES) for collection of fly ash with higher storage capacity silos (4*1250MT) awarded and are under erection.</p> <p>Periodic monitoring for mercury & heavy metals in the bottom ash and water emanating from ash pond is being done. Reports have been attached with this report.</p>
xiii	<p>Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time.</p> <p>Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.</p>	<p>Complied.</p> <p>The structure of ash dykes is designed, constructed and operated as per State of the Art engineering</p>

	Ash pond water shall be re- circulated and utilized.	design and construction with adequate factor of Safety to avert any remote possibility of getting breached. Regular monitoring and inspection of ash dykes and an emergency response system ensure that there are no risks of failure as apprehended. In compliance. Ash Water recirculation system (AWRS) of adequate capacity installed and operational.
xiv	Fugitive emissions shall be controlled to prevent impact on such that no agricultural/ non-agricultural land. Impact to any land shall be mitigated and suitable compensation provided in consultation with the local Panchayat.	Noted, Compliance assured. Compliance assured, if any such conditions arises.
xv	Hydrogeology of the area shall be reviewed annually from an institute / organization of repute to assess impact of surface water and ground regime (especially around ash dyke.) In case any deterioration is observed, specific mitigation measures shall be undertaken and reports / data of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.	<ul style="list-style-type: none"> • The baseline Hydro-geological study at Lara project has been carried out through IIT, Roorkee. The study is being continued and reviewed annually from an institute/ organization of repute. • The surface and ground water analysis is also being carried out through MOEF&CC approved laboratory and monitoring reports are attached for reference.
xvi	No ground water shall be extracted for use in operation of the power plant even in lean season.	In compliance.
xvii	No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with the setting up/operation of the power plant.	Noted, Compliance assured.
xviii	Minimum required environmental flow suggested by the Competent Authority of the state Govt. shall be maintained in the Channel/ Rivers (as applicable) even in lean season.	Raw water is sourced from Saradih Barrage of Mahanadi river as per the agreement with Chhattisgarh Water Resource Department (CGWRD) and water drawl is being done in consultation with (CGWRD) to comply all applicable conditions. Saradih reservoir is under

		administrative Control of Chhattisgarh Water resource Department.
xix	COC of 5.0 shall be adopted	Complied.
xx	<p>Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers.</p> <p>Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg, Cr, As, Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.</p>	<p>Complied.</p> <p>10 nos. of piezometers for regular monitoring of ground water level in and around the ash pond areas and plant area as per stipulation have been constructed.</p> <p>Base line monitoring for ground water quality is being already carried out through MoEF&CC recognized laboratory and the same will be continued. The records are being maintained and submitted to CECB regularly. Reports are being attached.</p>
xxi	<p>Monitoring surface water quality in the area shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained.</p> <p>Monitoring for heavy metals in ground water shall be undertaken.</p>	<p>Monitoring of Surface water quality in the areas are being carried out by MOEF&CC recognized laboratory and the same will be continued.</p> <p>The records are being maintained and submitted to CECB regularly. Reports are being attached.</p> <p>Monitoring for heavy metals in ground water is also being carried out and its records being submitted to CECB regularly.</p>
xxii	Waste water generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB/CPCB.	In compliance.
xxiii	<p>The project proponent shall undertake rain water harvesting measures and shall develop water storage for use in operation of the plant.</p> <p>Rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises. Action plan for implementation shall be submitted to the Regional Office of the Ministry.</p>	<p>Facility for Rainwater harvesting along with storage capacity created in Township as per availability of land.</p> <p>Rainwater harvesting system provided in township for rainwater collection and pits provided for groundwater recharge.</p> <p>Ground water recharge centers have been constructed as per rainwater</p>

		harvesting scheme in our plant area & township area.
xxiv	Additional soil for leveling of the proposed site shall be generated within the site (to the extent possible) so that natural drainage system of the area is protected and improved.	In compliance.
xxv	Common property resource falling in the vicinity of the project area shall be identified and if any common property resource (such as grazing land, pond etc.) is falling within the plant area and is unavoidable by its sheer location, an equal area shall be first developed and handed over to the community.	Equal amount of land 40.541 Hectare has already been provided from the acquired land and the development work/ restoration work is in progress.
xxvi	The project proponent need to ensure that poor villagers (particularly landless farmers) are further not marginalized. Accordingly, identification of landless farmers shall be carried out from records of Revenue Department/ District Agricultural Office, collected and appropriate scheme for sustainable livelihood scheme shall be devised and audited report sent to the concerned Department from time to time.	Complied. The said stipulations have already been included in approved R&R Plan and the same is being implemented.
xxvii	The project proponent shall ensure compensation to the land oustees and also formulate scheme in consultation with the State Govt. for immediate implementation of sustainable welfare measures for marginalized landless farmers whose sustenance were indirectly dependent on the land now proposed for the power project and not owned by them.	The said stipulations has already been complied in accordance with the approved R&R Plan.

xxviii	<p>The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for providing potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.</p>	<p>Development of neighboring villages has been covered under Rehabilitation Action Plan and Community Development activities planned under CSR. The activities include construction of overhead water tank with piped supply system in all nine project affected villages, renovation of all existing ponds and water bodies, construction of concrete roads with drains, infrastructure facilities in schools, etc.</p>
xxix	<p>CSR scheme shall be undertaken based on need based assessment in and around the villages within 5 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR employment of local youth after imparting relevant training as may be necessary shall be undertaken as committed.</p>	<p>Plan for CSR activities have been developed on the basis of need based assessment and in consultation with Village Development Advisory Committee (VDAC) and State Government. This committee has representatives of all nearby villages, State Government, NGO etc. The same shall be implemented. The cycle of assessment, formulation of activities and implementation shall be continued in future also.</p> <p>Various CSR schemes are being implemented based on need based survey within 5 Km and in consultation with the Village Panchayat and the District Administration;</p> <ul style="list-style-type: none"> • Infrastructural development i.e. improvement in roads, electricity, supply of drinking water, sanitation, educational institutions, and transportation facilities etc. • Scholarships to students and facilitation for sports, training for self-employment (computer, welding, bar-bending, carpentry, stitching, embroidery) etc. • Training/ financing facilitation for development of rural small scale industries i.e. bee keeping, poultry, dairy farming etc.

xxx	An amount of Rs 38.0 Crores shall be earmarked as one-time capital cost for CSR program as committed by the project proponent. Subsequently a recurring expenditure of Rs 7.65 Crores per annum till the life of the plant shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within six months along with road map for implementation.	The condition has been deleted through EC amendment dated 21.10.2020.
xxxii	It shall be ensured that an in-built monitoring mechanism for the CSR schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time. The achievements should be put on company's website.	Need based Assessment Survey has been carried out through M/s INDIAN INSTITUTE OF CORPORATE AFFAIRS (IICA). Monitoring of work is done by Site-R&R, RHQ-R&R, Corporate-R&R and CSR department (Headed by Executive Director). Report of works done under CSR/CD has been attached.
xxxiii	Green Belt consisting of 3 tiers of plantations of native species around plant not less than 100m width shall be raised (except in areas not feasible). The density of trees shall not less than 2500 per ha with survival rate not less than 80%.	<p>a) Green belt development is in progress. Plantation activity has been already started by engaging local people and through contracts awarded to Chhattisgarh Rajya Van Vikas Nigam Limited.</p> <p>b) Total 3.17 Lakh trees have been planted till date. Out of which 0.12 Lakh tree plantation has been done in 2022-23.</p> <p>c) A total Rupees 11.07 crores have been deposited under Hariyar Chhattisgarh scheme of Chhattisgarh State Government by NTPC Lara. A total 2.72 Lakh tree saplings have been planted under above program till date.</p>
xxxiii	An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and	In compliance.

	qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Organization.	
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B. General Conditions:

i	The treated effluents conforming to the prescribed standards only shall be re- circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.	Complied
ii	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising green belt/ plantation.	MBBR Technology based Sewage Treatment Plant is operational. STP treated effluent conforming to prescribed standards is being utilized for plantation & raising greenbelt.
iii	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	Complied, 460 numbers fire hydrants provided in the entire power station including Coal yard.
iv	Storage facilities for auxiliary liquid fuel such as LDO/HFO/LSHS shall be made in the plant area in consultation with department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	License for storage of LDO has been obtained from Department of Explosives, Nagpur vide license number P/HQ/CG/15/712(P373361) dated 16.12.2016 valid till 31.12.2027. Being Complied. A detailed Disaster Management Plan is prepared and finalized in consultation with Department of Explosives, Nagpur and regular mock drills are being conducted quarterly as per plan in order to address any eventuality in case of an accident.
v	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Noted, Compliance assured.
vi	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone	Complied. Base line monitoring for Noise level is

	<p>shall be limited to 85dB (A) from source. For people working in the high noise area, requisite personal protective equipments like ear plug/ear muff etc shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas.</p>	<p>being already carried out through MOEF&CC recognized laboratory and the same will be continued.</p> <p>Personal Protective Equipment (PPE's) are also being provided to personnel working in high noise areas. Periodic examination of workers also being done as stipulated.</p>
vii	<p>Regular monitoring of ambient air ground level concentration of SO₂, NO_x, PM_{2.5} & PM₁₀ and Hg shall be carried out in the impact zone and record maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional office of this Ministry. The data shall also be put on the website of the company.</p>	<p>Four numbers of CAAQMS station are provided and the locations of AAQMS were finalized in consultation with CECB. Regular monitoring of ambient air quality, ground level concentration of SO₂, NO_x, PM_{2.5} & PM₁₀ and Hg is being carried out through MOEF&CC recognized laboratory and records are being maintained and submitted. Ambient air quality reports are enclosed.</p>
viii	<p>Provision shall be made for the housing of construction labor (as applicable) within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.</p>	<p>A labour colony with necessary infrastructure facilities such as housing, sanitation, mobile toilet, fuel, medical facilities, safety, drinking water supply etc. has been provided for construction labour.</p> <p>The same has been kept under the scope of EPC contractor. Further, NTPC is ensuring effective compliance of the said stipulations.</p>
ix	<p>The project proponent shall advertise in at least two local news papers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available</p>	<p>Complied.</p> <p>The information of Environmental Clearance was published in two newspapers widely circulated in the region;</p> <ol style="list-style-type: none"> 1. Navbharat on 18.12.2012. 2. Kelo Pravah on 18.12.2012.

	with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in .	
x	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila parishad/ Municipal Corporation, urban local body and the Local NGO, if any, from whom suggestions/representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied. The clearance letter is also available on website of NTPC https://www.ntpc.co.in/sites/default/files/downloads/Lara-1.pdf
xi	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM _{2.5} & PM ₁₀), SO ₂ , NO _x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	Status of compliance of the stipulated environmental clearance conditions uploaded on the NTPC website. The latest and updated Half Yearly Compliance (HYC) report of EC conditions is regularly being submitted to the Regional Office (West Central Zone) of MOEF&CC, Nagpur, CPCB Zonal Office & CECB. The display for criteria pollutant levels at a convenient location near the main gate of NTPC Lara STPS has been done for Stack emissions and ambient air.
xii	The environment statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	The annual Environment Statement for financial year ending 31 st March in prescribed Form-V has been submitted to CECB as well as Regional Office (West Central Zone) of MOEF&CC, Nagpur for the year 2021-22 and also has been put on the website of the company along with the status of compliance of environmental clearance conditions.
xiii	The project proponent shall submit six monthly reports on the status of the implementation of the	Complied. The half yearly compliance report is being regularly submitted to the concerned statutory authority.

	<p>stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by email to the Regional office, Ministry of Environment and Forests.</p>	<p>The latest six monthly progress report for the period of April, 2022 to September, 2022 is being submitted herewith.</p>
xiv	<p>Regional office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NOx (from stack & ambient air) shall be displayed at the main gate of the power plant.</p>	<p>A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information/ clarifications as submitted to MOEF&CC have been forwarded on 11.07.2013 to the Regional Office of MOEF&CC.</p> <p>Project proponent has uploaded the compliance status in the company website</p>
xv	<p>Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the ministry.</p>	<p>Item-wise break-up for implementation of environmental protection measures along with status of expenditure is enclosed as Annexure-I. Separate funds have already been allocated for implementation of environmental protection measures and the same will not be diverted for other purpose.</p>
xvi	<p>The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned</p>	<p>Investment approval for the project was accorded by Board of Directors on 07.11.2012, which may be considered as the date of financial closure. The Commercial operation of</p>

	authorities and the dates of start of land development work and commissioning of plant.	Unit#1 (800 MW) started on 01.10.2019 and of Unit#2 (800 MW) started on 07.11.2020.
xvii	Full cooperation shall be extended to the Scientists/officers from the Ministry/ Regional Office of the Ministry/ CPCB/ SPCB who would be monitoring the compliance of environmental status.	Noted, Compliance assured.
5.	The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. The Ministry may also impose additional environmental conditions or modify the existing ones, if necessary.	Noted.
6.	The environmental clearance accorded shall be valid for a period of 5 years to start operations by the power plant.	Noted.
7.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
8.	In case of any deviation or alteration in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.	Noted.
9.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and its amendments, the	Noted.

	Public Liability Insurance Act, 1991 and its amendments.	
10.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.

EC Amendment dated 14.01.2020

Sr. No.	Description	Status of Implementation (As on 30.09.2022)
	Coal transportation by road	
i)	The quantities transported from each route, mode and length of transportation, and total quantities transported daily-wise against the permitted quantity of each route as per the permission issued by the Ministry and power generation in terms of PLF/Units shall be submitted to the ministry as part of six monthly compliance report. These quantities will be examined by the EAC during further extension based on which a decision will be taken.	Coal Transportation by road has been permitted vide notification dated 21.05.2020 and its provisions are in compliance.
ii)	Progress (Physical and financial) of MGR laying from Talaipalli mine to Lara Power Plant shall be submitted.	NTPC Lara connectivity to Kotarliya Rail head has been completed and operational. Talaipalli Mines connection to Kotarliya rail head is in progress. 64.5 K.M. construction completed out of total 65 K.M. route length for Talaipalli to Lara connectivity. 2047 Crores expenditure has been incurred till date out of total 2258 Crores (Estimated Expenditure).
iii)	At least two water sprinklers on each route shall be deployed for dust suppression continuously during transportation. The number of sprinklers used and the	Two water sprinklers(3KLD per tanker) each have been deployed on the each coal transportation route for dust suppression continuously during transportation. Quantity of water (in KLD) is 18 KLD.

	quantity of water (in KLD) sprinkled daily shall be reported as part of six monthly compliance report.	
Additional conditions in the Environmental Clearance		
iv)	Progress (Physical and financial) of construction FGD and De-NOx measures shall be submitted as part of six monthly compliance report.	<p>Noted. Compliance assured.</p> <p>NTPC Lara has already awarded contract for installation of FGD to M/s L&T on 31.07.2018 for controlling SOx concentration in flue gas in compliance to the latest MOEF&CC emission norms dated 07.12.2015 for TPP. The installation of FGD is in progress. Flue can erection completed in U#1. Shell casting completed for U#2 and Flue can erection in progress.</p> <p>322 Crores Expenditure done out of total 485 Crore Package value.</p> <p>NTPC Lara boilers are equipped with Low NOx burners and OFA dampers.</p>
v)	Technology selection for adoption of FGD for control of SOx. In case of wet FGD, source of Limestone, impact of transportation, handling, storage and disposal of Gypsum including land requirement.	<p>Noted. Compliance assured.</p> <p>Wet FGD has been selected at NTPC Lara.</p>
vi)	Alternate technology analysis and justification of Technology Selection for NOx reduction.	Noted. Compliance assured.
vii)	Water requirements for FGD to be installed in the existing units has to provided. Therefore, water balance to be modified based on the water requirement for whole Units including a plan on ZLD.	Water requirement of FGD is 420 m3/hr. Water balance has been modified based on the water requirement for whole Units including a plan on ZLD.
viii)	Emission norms and specific water consumption as per the Ministry's norms dated 7.12.2018 and 28.6.2018 shall be complied with. As committed, Flue-gas Desulphurisation Unit and Selective Reactor to control SO2 and NOx respectively	Noted. Compliance assured.

	shall be installed.																																																							
ix)	The stack emissions (minimum, maximum, average and 98% percentile) shall be submitted for the period of six months in the compliance report. Further, daily water withdrawal, consumption, power generation and average PLF shall be submitted. The specific water consumption per MWhr shall be calculated based on water consumption and power generation and to be submitted in the compliance report.	<p>Stack Emissions (mg/Nm³):</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Unit</th> <th>PM</th> <th>SO₂</th> <th>NO_x</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Minimum</td> <td>I</td> <td>22.65</td> <td>1020</td> <td>353</td> </tr> <tr> <td>2</td> <td>Maximum</td> <td>I</td> <td>29.86</td> <td>1209</td> <td>377</td> </tr> <tr> <td>3</td> <td>Average</td> <td>I</td> <td>25.91</td> <td>1105</td> <td>366</td> </tr> <tr> <td>4</td> <td>98% Percentile</td> <td>I</td> <td>29.42</td> <td>1206</td> <td>376</td> </tr> <tr> <td>5</td> <td>Minimum</td> <td>II</td> <td>22.45</td> <td>1072</td> <td>345</td> </tr> <tr> <td>6</td> <td>Maximum</td> <td>II</td> <td>26.67</td> <td>1280</td> <td>376</td> </tr> <tr> <td>7</td> <td>Average</td> <td>II</td> <td>24.88</td> <td>1166</td> <td>364</td> </tr> <tr> <td>8</td> <td>98% Percentile</td> <td>II</td> <td>26.64</td> <td>1268</td> <td>375</td> </tr> </tbody> </table> <p>Average PLF for 01.04.2022 to 30.09.2022 is 82.65 %. Water Withdrawal Report has been attached. Total power generation is 5808063 MWhr.</p>	Sr. No.	Description	Unit	PM	SO ₂	NO _x	1	Minimum	I	22.65	1020	353	2	Maximum	I	29.86	1209	377	3	Average	I	25.91	1105	366	4	98% Percentile	I	29.42	1206	376	5	Minimum	II	22.45	1072	345	6	Maximum	II	26.67	1280	376	7	Average	II	24.88	1166	364	8	98% Percentile	II	26.64	1268	375
Sr. No.	Description	Unit	PM	SO ₂	NO _x																																																			
1	Minimum	I	22.65	1020	353																																																			
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4	98% Percentile	I	29.42	1206	376																																																			
5	Minimum	II	22.45	1072	345																																																			
6	Maximum	II	26.67	1280	376																																																			
7	Average	II	24.88	1166	364																																																			
8	98% Percentile	II	26.64	1268	375																																																			
x)	The plant shall operate only after meeting the new emission norms as notified by the Ministry. Else, extension of timeline from the CPCB for implementing pollution control measure for meeting new norms shall be obtained and a copy of the same shall be submitted to the Ministry.	Noted. Compliance assured.																																																						

EC Amendment dated 21.10.2020

Sr. No.	Description	Status of Implementation (As on 30.09.2022)
i)	The condition No. xxx of EC dated 13.12.2012 regarding CSR expenditure is hereby deleted.	Noted.
ii)	The condition No. vii of EC dated 13.12.2012 is modified as: "Bi-flue stack of 275m height with flue gas velocity not less than 22 m/s shall be installed and continuous online monitoring equipment's for SO _x , NO _x , and PM mercury emissions from stack may also monitored on periodic basis."	Noted. Compliance assured.

iii)	The General Condition No. v of EC dated 13.12.2012, is modified as: "Radio activity and heavy metals' contents in coal and fly ash (including bottom ash) shall be carried out through a reputed institute once in a year and the analysis reported to be submitted to the Ministry and its Regional Office."	Noted. Compliance assured.
iv)	The total Radio-activity in the working areas such as coal stock yard, fly ash pond shall be calculated based on the analysis results per unit weight of coal/ash. The total radio-activity in the atmosphere is to be compared with the maximum permissible dosage levels of each person working in those areas. This is to be conducted once in a year.	Noted. Compliance assured.
v)	While commissioning the proposed unit, the compliance of revised emission norms issued vide Notification dated 07.12.2015 and as amended time to time shall be achieved along with specific water consumption as per the notification dated 28.06.2018. The FGD System and NOx control measures such as SCR/SCNR/De-NOX burners shall be installed to achieve the revised emission norms.	Noted. Compliance assured.
vi)	As per the Revised Traffic Policy notified by ministry of power vide dated 28.01.2016, project proponent shall explore the use of treated sewage water from the Sewage Treatment Plant of Municipality/ local bodies /similar organization located within 50 km radius of the proposed power project to minimize the water drawl from surface water bodies. The details of sewage Treatment plants located within 50km radius along with the capacities shall be submitted.	Noted. Compliance assured.

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment & Forests & Climate change
Regional Office (West Central Zone), Nagpur
Monitoring Report
PART – I
DATA SHEET

S. No.		
1.	Project type: River-valley / Mining / Industry / Thermal / Nuclear / other (specify)	Thermal
2.	Name of the project	Lara Super Thermal Power Station, Stage-I (2x800 MW)
3.	Clearance letter (s)/ OM no and date	No.J-13012/79/2007-IA.II(T) dated 13/12/2012.
4.	Location a) district (s) b) state (s) c) latitude/longitude	District: Raigarh, State: Chhattisgarh. 21o 45' N/ 83o 26' E
5.	Address for correspondence a) Address of the Concerned Project Chief Engineer (with PIN Code & Telephone/ Telex/ Fax No.) b) Address of the Executive Project Engineer/ manager	CHIEF GENERAL MANAGER, NTPC - Lara STPS, Lara Super Thermal Power Station, Village: Chhapora, PO+PS: Pussore District- Raigarh (Chhattisgarh) PIN Code- 496 440 E-mail: faxforntpclara@gmail.com GM (O&M), NTPC - Lara STPS, Lara Super Thermal Power Station, Village: Chhapora, PO+PS: Pussore District- Raigarh (Chhattisgarh) PIN Code- 496 440
6.	Salient features a) of the project b) of the environmental management plans	Lara STPS is a coal based super thermal power project based on supercritical technology. Please refer Chapters 2 of the EIA Report.
7.	Breakup of the project area a) submergence area: forest & non-forest b) others	As the proposed project is a coal based super thermal power project, no submergence area is involved. An area of 1035.59 Ha. is being acquired for Main plant, Township and ash disposal areas of

		the project, which includes 811.8 Ha of Private Land, 72.03 Ha. of Govt. Land and 151.762 Ha. of Revenue Forest Land.
8.	<p>Breakup of the project affected population with enumeration of those losing houses/dwelling units only agricultural land only, both dwelling units & agricultural land & landless labourers/artisan</p> <p>a) SC, ST/ Adivasis</p> <p>b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out give details and years of survey)</p>	<p>A detailed Socio-economic Survey of land being acquired has been undertaken. The details PAPs is as follows:</p> <p>Total No. of PAPs:</p> <ul style="list-style-type: none"> • No. of SC/ ST/ Adivasi PAPs: 1022(Approx) • No. of Homestead Oustees: 17 (Approx) • No. of Land Oustees: 2200 (Approx) • No. of Land + Homestead Oustees: 2217 (Approx) • No. of Landless Labourers/ Artisans: 250 (Approx.)
9.	<p>Financial details:</p> <p>a) Project cost as originally planned and subsequent revised estimates and the year of price reference</p> <p>b) Allocation made for environment plans with item wise and year wise break-up.</p> <p>c) Benefit cost ratio/Internal rate of Return and the year of assessment</p> <p>d) Whether © includes the cost of environmental management as shown in the above</p> <p>e) Actual expenditure incurred on the project so far</p> <p>f) Actual expenditure incurred on the environmental management plans so far</p>	<p>Rs. 17779.00 Crores</p> <p>Rs 1180.32 Crores (Break-up given in Annexure-I).</p> <p>The project is at initial stage of commissioning & operation please.</p> <p>Rs.16200.00 Crores</p> <p>Rs. 987.19 Crores</p>
10.	<p>Forest land requirement</p> <p>a) the status of approval for diversion of forest land for non-forestry use</p>	<p>The project involves 151.762 Ha of Revenue Forest land. The complete Revenue Forest Land diversion has been done in name of NTPC, Lara</p>

	<p>b) the status of clearing felling</p> <p>c) the status of compensatory afforestation, if any</p> <p>d) comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far</p>	<p>Tree felling plan approved and executed by the forest department.</p> <p>Plan for compensatory afforestation has already been approved and the amount of the compensatory afforestation is deposited in the CAMPA fund of the forest department.</p> <p>Plan for compensatory afforestation has already been made in consultation with State Forest Department and the same shall be implemented by State Forest Department.</p>
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information	As the proposed project is a coal based super thermal power project, no submergence area is involved.
12.	<p>Status of construction</p> <p>a) Date of commencement (Actual and/ or planned)</p> <p>b) Date of completion (Actual and/ of planned)</p>	<p>a) Site leveling package awarded on 20.02.2013.</p> <p>b) U#1 commercial operation start date is 01.10.2019. U#2-commercial operation started on 07.11.2020.</p>
13.	Reasons for the delay if the project is yet to start	Not Applicable
14.	<p>Dates of site visits</p> <p>a..The dates on which the project was monitored by Regional office previous occasion, if any</p> <p>b.Date of site visit for monitoring report.</p>	<p>Regional officer of CECB Raigarh, official visited site for inspection on 05.06.2018.</p> <p>Regional Office, CECB, Raigarh officials visited NTPC, Lara site on 17.12.2019 and 27.01.2020.</p> <p>Regional Office, CECB, Raigarh officials visited NTPC, Lara site on 21.10.2020.</p> <p>Regional Office, CECB, Raigarh officials visited NTPC, Lara site on 09.04.2021.</p> <p>Regional Office, CECB, Raigarh officials visited NTPC, Lara site on 11.04.2022.</p>

15	<p>Details of correspondence with project authorities for obtaining action plan/information on status of compliance to safeguards other than the routine letters.</p> <p>For logistic support for site visit.</p> <p>(The monitoring report may obtain the details of all the letters issued so far but the later reports may cover only the letters issued subsequently)</p>	NIL
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Annexure-I

PROVISIONS FOR CAPITAL COST FOR ENVIRONMENTAL PROTECTION MEASURES AT LARA STPP, STAGE-I

Sr. No	Description of Item	Cost (Rs in crores)	Actual Exp.as on 30.09.2022 (Crores.)
1.	FGD	485	322
2.	Electrostatic Precipitators	199	189.78
3.	Stacks	69.75	69.75
4.	Cooling Towers incl. Civil Works	128.98	128.98
5.	Ash Handling	139.33	133.19
6.	Ash pond dyke	67.44	58
7.	Water Treatment Plant (Effluent Treatment Plant, DM Plant, DM Plant Waste Treatment System)	49.0	46.62
8.	Dust Extraction & Suppression System	2.27	2.27
9.	Sewage Collection, Treatment & Disposal (STP)	3.50	3.50
10.	Environmental Lab Equipment	3.49	3.49
11.	Green Belt & Afforestation	8.27	5.32
	Hariyar Chhattisgarh Scheme for Tree Plantation	9.29	9.29
12.	Compensatory Afforestation	3.91	3.91
13.	NPV for forest land diversion	9.50	9.50
14.	Works for deepening of ponds under water conservation & rainwater harvesting	1.59	1.59
Total		1180.32	987.19

NTPC LARA
R&R WORK DETAILS FOR THE YEAR 2011-12

S. No.	Item	Name of work	Site village and village panchayat	value	Present Status	Category	NTPC/Deposit
1	Other	Details of Tarpolin affected by floods		26,00,000.00	completed	Others	NTPC
2	Drinking Water	Provision of bore and tank in project-affected villages	9 village	18,64,000.00	completed	Drinking Water	NTPC
3	Health	Free Medical Vans in Project Affected Villages	9 village	1,83,000.00	completed	Health	NTPC
4	Health	Free medical camp	Mahloi	1,04,000.00	completed	Health	NTPC
5	Health	Participation in Family Welfare with PHC Powers	pussore	99,347.00	completed	Health	NTPC
6	Health	Distribution of bulbs and fans in project-affected schools	9 village	58,861.00	completed	Health	NTPC
7	Health	Participation in Family Welfare with PHC Powers	pussore	49,936.00	completed	Health	NTPC
8	Health	Participation in Family Welfare with PHC Powers	pussore	37,160.00	completed	Health	NTPC
9	Health	Dessert distribution on Independence Day in Powers Block	pussore	33,440.00	completed	Others	NTPC
10	Health	Free Family Planning Camp in Primary Health Center	pussore	26,400.00	completed	Health	NTPC
11	Health	Planting in Village Chapora on World Environment Day	Chhapora	25,044.00	completed	Others	NTPC
12	Health	Free Medical Camp Village Lara	Lara	24,000.00	completed	Health	NTPC
13	Sports	Financial assistance in the Cricket Tournament organized by Drippali	Darripali	22,000.00	completed	Sport & Culture	NTPC
14	Sports	Food packet break in inter-state cricket tournament tahsil pussore	pussore	18,800.00	completed	Sport & Culture	NTPC
Total				51,45,988.00			

**NTPC LARA
R&R WORK DETAILS FOR THE YEAR 2012-13**

S. No.	Item	Name of work	Site village and village panchayat	value	Present Status	Category	NTPC/Deposit
1	Training	50 PAP Training in the Construction Business for short term by CIDC New Delhi	9 village	14,19,000.00	completed	Skill Development	NTPC
2	Health	Free villages in rural areas affected by the Medical Wayne project	9 village	3,10,000.00	completed	Health	NTPC
3	Training	Motor driving and license to 45 villages in project-affected villages	9 village	1,88,550.00	completed	Skill Development	NTPC
4	Training	50 PPA for short term training in ITI Pussore	9 village	1,75,000.00	completed	Skill Development	NTPC
5	animal hasbradree	Veterinary camp	9 village	1,57,645.00	completed	Health	NTPC
6	Training	Motor driving and license to 30 villages in project-affected villages	9 village	1,50,000.00	completed	Skill Development	NTPC
7	Health	AC & Water Cooler at Pussore Public Health Center	pussore	1,42,000.00	completed	Others	NTPC
8	Sports	In the village affected by the Sports and Game Equipment distribution project	9 village	91,851.00	completed	Sport & Culture	NTPC
9	Aducation	Shala Pravetoosh Kondratrai Higher Secondary School Pussore	Kondatrai	65,000.00	completed	Education including ITI	NTPC
10	Health	Participation in Family Welfare with PHC Powers	pussore	35,835.00	completed	Others	NTPC
11	other	Furniture	Devalsurra	30,616.00	completed	Others	NTPC
12	Aducation	Planting in Primary School of Village Bodhrajaria, affected by project on Environment Day	Bodajhariya	21,248.00	completed	School	NTPC
13	Sports	Cricket kit bodajhariya panchayat	Bodajhariya	17,755.00	completed	Sport & Culture	NTPC
14	Sports	Financial assistance in the Cricket Tournament organized by lara	Lara	17,010.00	completed	Sport & Culture	NTPC
15	other	Storage camp	9 village	16,905.00	completed	Infrastructure other than road	NTPC
16	other	Electrical wiring at Ripali Primary School	Riyapali	6,450.00	completed	School	NTPC
17	Infrastructure	Link road from Bodajhariya to Ghtukupali (N H-200)	pussore	12,66,00,000.00	PWD	Road	NTPC
Total				12,94,44,865.00			NTPC

18	Aducation	Financial Assistance for Engineering College (KIT) Upgradation	KTI Raigarh	5,00,00,000.00	completed	Education including ITI	NTPC
Grand Total				17,94,44,865.00			

**NTPC LARA
R&R WORK DETAILS FOR THE YEAR 2013-14**

Year	Description	Name of contractor	PO / PR No.	value	Present Status	village	Amount Release	Category	NTPC/Deposit
1	Restoration of weekly market at chhapora village	Bhu Vistapith Sahakari Samithi Maryadit Chhapora	5500012962 Date-04.04.2013	1607558.58	completed	Chhapora	1822990.53	Infrastructure other than road	NTPC
2	Reinnovation of pond at village Bodajhariya	Sarpanch & Sachiv Gram Panchyat Kandagarh	5500013009 Date-05.04.2013	1569385.55	completed	Bodajhariya	1650216.24	Others	NTPC
3	Construction of school boundary wall Bodhajariya.	1110221 Sarpanch & Sachiv Gram Panchyat Kandagarh	5500013204	641000.00	completed	Bodajhariya	205145.95	Infrastructure other than road	NTPC
4	Conversion of Intra Village road into Cement concrete road in Devalsurra Part-I	Bhu-Bisthapit Sahkari samiti Maryadit Develsura	5500013011 Date-05.04.2013	1792280.54	completed	Devalsura	2013806.41	Road	NTPC
5	Conversion of Intra Village road into Cement concrete road in Devalsurra Part-II	Bhu-Bisthapit Sahkari samiti Maryadit Develsura	5500014910 Date-21.12.2013	3748184.75	completed	Devalsura	3485088.8	Road	NTPC
6	Conversion of Intra Village road into Cement concrete road in Mahloi Part-I	Gram Panchyat Mahloi	5500013016 Date-05.04.2013	1242802.55	completed	mahloi	1396412.95	Road	NTPC
7	Conversion of Intra Village Road into Cement concrete road in Kandagarh-1	Bhu-Bisthapit Sahkari samiti Maryadit Kandagarh	5500013010 Date-05.04.2013	1926100.68	completed	kandgarh	1759530.28	Road	NTPC
8	Construction of school boundary wall in village Lara	Gram panchayat lara	5500013487 Date-11.06.2013	837850.10	completed	Lara	0	Infrastructure other than road	NTPC
9	Conversion of intra village road in to cement concrete road at village Armuda (Part-I)	Gram Panchyat Develsura	5500013014 Date-05.04.2013	1543018.18	completed	armuda	1065176.17	Road	NTPC
10	Conversion of Intra village Road into cement concrete in Riapalli Village	Patel construction	5500014958 dt 21.12.2013	1589371.59	completed	Raipalli	1503722.06	Road	NTPC
11	Electrification in common building	1117949 GRAM PANCHAYAT CHHAPORA	8200100342	55850.00	completed	ALL	55850	Others	NTPC
12	Providing two tubewell with submersible pump	shri Balaji borewell	5500013026 date-05.04.2013	592853.00	completed	Bodajhariya	705303	Drinking Water	NTPC
13	Collector & CEO Jilla Panchayat	Development work	8200084644	3000000.00	Collector	Collector	3000000	Infrastructure other than road	Deposit
14	Payment to Prabhari Adhiakri Chakradhar	Chakradhar Samarao	8200097370	200000.00	Collector	Collector	200000	Sport & Culture	Deposit

15	Mobail Health Clinic for Localpopulation	1097721 METRO HOSPITAL & DIABETES RESEARCH	8200115646	101946.00	completed	ALL	113281	Health	Deposit
16	Criket for PAPs	1079150 Universal Stores	8200107921	144780.00	completed	ALL	144780	Sport & Culture	NTPC
17	Renovation of PHC building at Chhapora village.	Gagan construction	5500013205 Date-01.05.2013	641146.75	completed	Chhapora	330328.12	Infrastructure other than road	NTPC
18	Payment of School teachers for village lara	1101821 GRAM PANCHAYAT CHHAPORA	8200090288	96000.00	completed	lara	96000	School	NTPC
19	procurement of office furniture for Gram Panchayat Kangarh & Mahloi	1100594 SHASHI EBTERPRISES	4600021327 Date-09-04-2013	49708.00	completed		49708	Others	NTPC
Total				21379836.27			19597339.5		

**NTPC LARA
R&R WORK DETAILS FOR THE YEAR 2014-15**

Year	Descriptrion	Name of contractor	PO / PR No.	value	Present Status	village	Amount Release	Category	NTPC/Deposit
1	Renovation and Beautyfication of Pond-1 at Village Chhapora in Lara STPP	Gagan construction	5500015141 Dt 11.01.2014	723041.18	completed	Chhapora	751719.65	Others	NTPC
2	Renovation and Beautification of Pond -2 at Chhapora	Chandra Kumar Patel	5500016103 Dtd. 26.04.2014	860672.83	completed	Chhapora	777616.61	Others	NTPC
3	Supply of drinking water for village Chhapora-2014	Patel construction	5500016316 Date- 22.05.2014	144000.00	completed	Chhapora	78526.16	Drinking Water	NTPC
4	Conversion of intra village road in to cement concrete road in Chhapora village	Neelam construction	5500015171 Date- 19.02.2014	3987760.65	completed	Chhapora	2734870.65	Road	NTPC
5	Construction of cc road from Nawadih Shiv Mandir to Chhapora school	Gram Panchyat Chhapora	5500022548 Date- 23.02.2016	3284707.50	completed	Chhapora	3338951	Road	NTPC
6	Construction of school boundary wall in Chhapora village	Gagan construction	5500016256 Date- 12.05.2014	988485.28	In Progress	Chhapora	403536.3	Infrastructure other than road	NTPC
7	Supply of drinking water for village Bodajharia-2014	Gupta construction	5500016501 Date- 14.06.2014	192000.00	completed	Bodajhariya	73708.16	Drinking Water	NTPC
8	Conversion of intra village road in to cement concrete road at village Bodajharia	Sarpanch & Sachiv Gram Panchyat Kandagarh	5500016257 Date- 13.05.2014	2343527.31	In Progress	Bodajhariya	1940468.14	Road	NTPC
9	Renovation and beautification of pond at village Mahloi	Gram panchayat Mahloi	5500015163 Date- 13.01.2014	1428713.85	In Progress	Mahloi	1355903.25	Others	NTPC
10	Conversion of Intra Village Road into Cement concrete road in Kandagarh-2	Sarpanch & Sachiv Gram Panchyat Kandagarh	5500015725 Date- 11.04.2014	3641399.02	completed	Kandagarh	3072108.25	Road	NTPC
11	Reinnovation and Beautification of pond at village Kandagarh	Gaurang Sao	5500015166 Dt 15.01.2014	1235512.79	completed	Kandagarh	1271458.28	Others	NTPC
12	Supply of drinking water for village Kandagarh-2014	Vasudev Sao	5500016499 Date- 16.04.2014	131040.00	completed	Kandagarh	84494.72	Drinking Water	NTPC
13	school boundary wall Kandagrh	1110221 Sarpanch & Sachiv Gram Panchyat	5500013017	435162.00	completed	Kandagarh	453215.4	Infrastructure other than road	NTPC
14	Renovation of Pond for village Jhilgitar	Singh construction	5500017932 Date- 09.12.2014	2012137.21	completed	Jhilgitar	1685901.56	Others	NTPC
15	Internal cc Road for village Lara	Parmeshwar construction	5500017931 Date- 09.12.2014	3093148.77	completed	Lara	3144814.04	Road	NTPC
16	Supply of drinking water for village Armuda	Bhavesh construction	5500016296 Date- 14.05.2014	240000.00	completed	Armuda	138427.52	Drinking Water	NTPC

17	Supply of drinking water for village Riyapali-2014	Jai construction	5500016315 Date-19.05.2014	168000.00	completed	Raipalli	88989.12	Drinking Water	NTPC
18	School furniture distribution - Phase 1	CSIDC- 1030668	4600028183	1286597.00	completed	ALL	1220073.87	School	NTPC
19	Sewing Machine distribution	Mukesh Traders - 1074315	4600027831	116100.00	completed	Chhapora	116100	Skill Development	NTPC
20	Sewing Machine Training	Sahu mahila silai school	8200130789	48625.00	completed	Chhapora	48625	Skill Development	NTPC
21	Tricycle Distribution	1086585 ALIMCO AUXILIARY PRODUCTION	4600028762	184800.00	completed	ALL	92400	Physically Challenged Persons (PCP)	NTPC
22	Raincoat & water bottel distribu	1127963 krishna Sales Corporation	8200123464	317000.00	completed	ALL	315400	School	NTPC
23	Collector & CEO Jilla Panchayat	CD works in 9 village	8200105620	3000000.00	completed	Collector	3000000	Infrastructure other than road	Deposit
24	Collector & CEO Jilla Panchayat	CD works in 9 village		1500000.00	completed	Collector	1500000	Infrastructure other than road	Deposit
25	Construction of drain line in village Chhapora	Jhas Ketan Patel	5500016607 Date-28.06.2014	971030.06	completed	Chhapora	802263.77	Infrastructure other than road	NTPC
26	Temp. Water supply arrngment to Bodajhariya pond	Ritesh Agrawal	5500017597 Date-08.11.2014	529000.00	completed	Bodajhariya	423350.01	Drinking Water	NTPC
27	Development of office area of Pussore Tehsil office	Jai construction	5500016143 Date-29.04.2014	794553.00	completed	Collector	850607.76	Infrastructure other than road	NTPC
28	Collector Raigarh	CD works in the district	8200105570	10098000.00	completed	Collector	10098000	Infrastructure other than road	Deposit
29	Payment to Prabhari Adhiakri Chakradhar	Chakradhar Samarao	8200124173	500000.00	completed	Collector	500000	Sport & Culture	Deposit
30	payment to Indian red cross Society for Life Line Express (Medical Camn)	1128398- INDIAN RED CROSS SOCIETY RAIGARH	8200123249	200000.00	Deposited	Collector	200000	Health	Deposit
31	Payment to Collector & CEO Jila Panchayat Raigarh for Sanitation	CEO Jila Panchayat Raiagrh for Sanitation	8200124364	1653089.00	Deposited	Collector	1653089	Sanitation/Toilet	Deposit
32	Mobail Health Clinic for Localpopulation	1097721 METRO HOSPITAL & DIABETES RESEARCH	460003216	1244386.00	completed	ALL	1553665.24	Health	Deposit
Total				47352488.45			43768283.5		

**NTPC LARA
R&R WORK DETAILS FOR THE YEAR 2015-16**

Year	Description	Name of contractor	PO / PR No.	value	Present Status	village	Amount Release	Category	NTPC/Deposit
1	Drinking water-Chhapora-2015	Thawait construction	5500019835 Date-05.05.2015	154800.00	Final bill to be process	Chhapora	173933.28	Drinking Water	NTPC
2	Construction of PHC building at Chhapora village	Satyendra Narayan Singh	5500016753 Date-16.07.2014	7476737.15	In progress	Chhapora	7694087.65	Infrastructure other than road	NTPC
3	Drilling of Borewell in 03 Locations as per recommendation of WRD.	shri Balaji borewell	5500021983 Date- 18.12.2015	235170.00	completed	Bodajharia	261850.05	Drinking Water	NTPC
4	Construction of 01 No. Bus stand at Devalsura village	Patel construction	5500015389 Date-24.02.2014	212621.13	completed	Devalsura	196515.01	Infrastructure other than road	NTPC
5	construction of internal CC road Armuda (Pase-II)	Fakir chand Patel	5500018928 Date-24.03.2015	1217762.00	In progress	Armuda	1126211.79	Road	NTPC
6	Development of cremation area for village Armuda	Bhavesh construction	5500017642 Date-11.11.2014	491472.00	completed	Armuda	439354.53	Infrastructure other than road	NTPC
7	Drinking water-Riyapali-2015	Jhasketan Patel	5500020271 Date-15.06.2015	174000.00	completed	Raipalli	159244.80	Drinking Water	NTPC
8	Notebook Distribution in school in all 9 villages	1107330 AGRASEN OFFSET	8200150470	113832.00	completed	All	113832.00	School	NTPC
9	Beutician Training	1144087 Youth welfare society	8200163728	55000.00	completed	Chhapora	55000.00	Skill Development	NTPC
10	Beutician Training	1144087 Youth welfare society	8200163728	55000.00	completed	Chhapora	100000.00	Skill Development	NTPC
11	Deposit to Collector Janggir for school furniture	1133006 COLLECTOR JANJGIR CHAMPA	8200135475	5000000.00	completed	Collector	5000000.00	School	NTPC
12	Collector & CEO Jilla Panchayat	Toilet in chhapora, armuda	8200153553	2340882.00	completed	Collector	2340882.00	Sanitation/Toilet	Deposit
13	construction of water tank near weekly market at chhapora village	Bhuwaneshwar choudhary	5500018011	98574.00	completed	Chhapora	101161.04	Drinking Water	NTPC
14	Drinking water-Armuda	Bhavesh construction	5500019837 Date-05.05.2015	126000.00	Final bill to be process	Armuda	141573.6	Drinking Water	NTPC
15	Health camp phase-2		4600032167	162130.00	completed	ALL	1553665.24	Health	NTPC
16	Deepning of Mura pond for vill Chhapora (IBRAD)	Neelam construction, Chhapora	5500020978 Date- 24.08.2015	1403424.76	completed	Chhapora	1512315.03	Others	NTPC
17	Deepning of Bawanmura pond for vill Chhapora (IBRAD)	Jhasketan Patel, Chhapora	5500021973 Date- 24.12.2015	575270.43	completed	Chhapora	580162.64	Others	NTPC
18	Drinking water-Bodajhariya-2015	Gulabram Pradhan construction	5500019832 Date-05.05.2015	168000.00	completed	Bodajhariya	188764.8	Drinking Water	NTPC
19	Drinking water-Devalsura-2015	Ramesh Kumar Patel	5500020256 Date-15.06.2015	186000.00	completed	Devalsura	196416.00	Drinking Water	NTPC

20	Drinking water-Mahloi-2015	Nehroolal Gupta	5500019838 Date-05.05.2015	180000.00	completed	Mahloi	202248.00	Drinking Water	NTPC
21	Drinking water-Kandhagarh-2015	Vasudeo Sao	5500020268 Date-15.06.2015	174000.00	completed	Kandagarh	111777.60	Drinking Water	NTPC
22	Drinking water-Jhilgitar	Viswal construction	5500020270 Date-15.06.2015	156000.00	completed	Jhilgitar	142771.20	Drinking Water	NTPC
23	Drinking water-Lara-2015	Parmeshwar construction	5500019836 Date- 05.05.2015	186000.00	completed	Lara	209259.26	Drinking Water	NTPC
24	Construction of water tank to Indira Awas	Gupta construction	5500020595 Date-15.06.2015	119392.26	completed	Armuda	94764.20	Drinking Water	NTPC
25	Fencing CPR work	Bhavesh construction	5500019335 Date-26.02.2015	1054559.00	In progress	Armuda	96020.00	Others	NTPC
26	Cleaning of black top road from Chhapora to Bodajhariya	Chandra kumar patel	5500018030 Date- 07.01.2015	132800.00	completed	ALL	144517.43	Road	NTPC
27	Payment to Prabhari Adhikari Chakradhar	Chakradhar Samarao	8200176039	600000.00	completed	Collector	600000.00	Sport & Culture	Deposit
28	Deposit to Collector Raigarh CSR Fund for Fertilizer Godown construction	collector CSR Fund	820016392	1100000.00	deposited	Collector	1100000.00	Infrastructure other than road	Deposit
29	JAJWALDEV LOK MAHOSTAV & AGRITECH And & CEO, ZILLA PANCHAYAT, JANJGIR	1144323 JAJWALDEV LOK MAHOSTAV & AGRITECH	8200162114	600000.00	deposited	Collector	600000.00	Sport & Culture	Deposit
Total				24549426.73			25236327.2		

**NTPC LARA
R&R WORK DETAILS FOR THE YEAR 2016-17**

Year	Description	Name of contractor	PO / PR No.	value	Present Status	village	Amount Release	Category	NTPC/Deposit
1	Over head tank for all Project Affacted village	Mohan Poddar	5500021507 Date-27.10.2015	19942138.38	completed	Chhapora	14917297.62	Drinking Water	NTPC
2	Mid day Meal shed in Bodajhariya School	Panda Construction	5500023078	597070.87	completed	Bodajharia	566983.75	Infrastructure other than road	NTPC
3	Community centre for village Bodajhariya	Gupta contruction	4600042006	876938.19		Bodajharia	0.00	Infrastructure other than road	NTPC
4	Kondapali Lara road	268 SAMBHU PRASAD	5500016787	4203442.82	completed	Outside	3015550.99	Road	NTPC
5	Toilet in School of village Lara	Dinesh Construction	4600040447	120559.45	20% work completed	Lara	0.00	Sanitation/Toilet	NTPC
6	CC road for village Lara	Dinesh Construction	4600042314	1482958.08	90% work completed	Lara	1400479.55	Road	NTPC
7	Deepening & Beutification of sarakmunda Nistari Pond at Village Lara.	Parmeshwar construction	4600039253	2004691.56	100% work completed	Lara	2038452.2	Others	NTPC
8	Toilet in School of village Lara & kandagrh	Sarpanch & Sachiv Gram Panchyat Kandagarh	5500023566	113681.53	completed	Kandagrh	0	Sanitation/Toilet	NTPC
9	School Furniture - phase2	1030668 CHHATTISGARH STATE INDUSTRIAL	4600041583	1614937.00	completed	ALL	0	School	NTPC
10	Collector & CEO Jila Panchayat	Extra amount for Toilete in chhapora, armuda village	8200172538	138000.00	completed	Collector	138000.00	Sanitation/Toilet	Deposit
11	Poultry training	1144087 Your welfare society	8200199612	100000.00	completed	Collector	100000.00	Skill Development	NTPC
12	Drinking water-Chhapora- 2016	Chandra Kumar Patel	4600039130	130800.00	completed	Chhapora	136079.96	Drinking Water	NTPC
13	Drinking water-Bodajhariya-2016	Chandra Kumar Patel	4600039130	130800.00	completed	Chhapora	136079.96	Drinking Water	NTPC
14	Installation of two nos. 5000 L water tanks in village Bodajharia	Sarpanch & Sachiv Gram Panchyat Kandagarh	4600039138	154800.00	completed	Bodajharia	162413.58	Drinking Water	NTPC
15	Deepening of Naya & Dabri Pond - IBRAD	Anand Contruction	5500021427 date-26.11.2015	1213713.72	completed	Devalsura	1220152.66	Others	NTPC
16	Drinking water Devalsura-2016	Gram Panchyat Devalsura	4600040551	154800.00	completed	Devalsura	150000	Drinking Water	NTPC
17	Drinking water-Mahloi-2016	GAJENDRA KUMAR	4600039129	120600.00	completed	Mahloi	122278.35	Drinking Water	NTPC
18	Construction of Pachari at Purana Talab for Village Mahloi.	PRADHAN CONSTRUCTION	4600039090	321720.12	completed	Mahloi	271051	Others	NTPC
19	Drinking water-Jhilgitar	Viswal construction	4600040549	120000.00	completed	Jhilgitar	126140	Drinking Water	NTPC
20	Drinking water-Lara-2016	1124779 Parmeshwar construction	5500019836	209259.00	completed	Lara	209259.26	Drinking Water	NTPC
21	Drinking water-Armuda	Jagdish saw	4600039131	106812.00	completed	Armuda	104142	Drinking Water	NTPC
22	Drinking water-Riyapali-2016	Jhasketan Patel	4600039134	126000	completed	Riapali	131086	Drinking Water	NTPC

23	Payment to prabhari Adhikari Chakradhar	Chakradhar Samarao	8200176039	600000.00	completed	Collector	600000.00	Sport & Culture	Deposit
24	Assitance to Collector Raiagrh for toilet construction at Tamnar Block	6 different agencies	8200172775, 2785, 4898, 4899, 4900, 7617	1052001.00	completed	Collector	1052001.00	Sanitation/Toilet	Deposit
25	Toilet Construction	ceo jila panchayat	8200182553	22640000.00	deposited	Collector	22640000.00	Sanitation/Toilet	Deposit
26	Deposit to Collector Raigarh for Education Development	collector raiagrh	8200184582	216000.00	deposited	Collector	216000.00	Education including ITI	Deposit
27	Renovation of Sports complex raigarh- Carpet pasting, Glasswork, Badminton court renovation	collector raiagrh	8200190064	338544.00	deposited	Collector	338544.00	Sport & Culture	Deposit
Total				58830267.72	Wrong		49791991.88		
						Actual	52671940.02		

Format
Year 2017-18 community development expenditure sector wise and activity wise

Project: NTPC LARA
Date:31.03.2018

S.No.	Sector / CD Activities	Awarded/ Estimated value in (Rs Lakh) as per approval	Cum. Exp. Till date (Rs.Lakh)			Committed (awarded work in progress & work under approval (Rs. Lakh)	Remaining Money (Rs. Lakh)	Remarks (Completed/ in Progress / under approval)	Place/Village	As on			
			Executed by NTPC	Deposit work	Total					No of Beneficiaries (Approx)	Year of Execution	Category	NTPC/Deposit
I													
Drinking Water													
1	Supply of drinking water for Project affected village Mahloi thru Tanker	1,74,600.00	1,74,600.00	-	1,74,600.00	0.00	Completed	Mahloi	627	2017-18	Drinking Water	NTPC	
2	Supply of drinking water for Project affected village Armuda thru Tanker	1,74,600.00	1,74,600.00	-	1,74,600.00	0.00	Completed	Armuda	471	2017-18	Drinking Water	NTPC	
3	Supply of drinking water for Project affected village Kandagarh thru Tanker	1,74,600.00	1,74,600.00	-	1,74,600.00	0.00	Completed	Kandagarh	830	2017-18	Drinking Water	NTPC	
4	Supply of drinking water for Project affected village Jhligitar thru Tanker	1,74,600.00	1,74,600.00	-	1,74,600.00	0.00	Completed	Jhligitar	129	2017-18	Drinking Water	NTPC	
5	Supply of drinking water for Project affected village Lara thru Tanker	1,74,600.00	1,74,600.00	-	1,74,600.00	0.00	Completed	Lara	1106	2017-18	Drinking Water	NTPC	
6	Supply of drinking water for Project affected village Bodajharia thru Tanker	1,74,600.00	1,74,600.00	-	1,74,600.00	0.00	Completed	Bodajharia	619	2017-18	Drinking Water	NTPC	
7	Supply of drinking water for Project affected village Thengapalli thru Tanker	1,74,600.00	1,74,600.00	-	1,74,600.00	0.00	Completed	Thengapalli	500	2017-18	Drinking Water	NTPC	
8	Supply of drinking water for Project affected village Chappora thru Tanker	1,80,000.00	1,80,000.00	-	1,80,000.00	0.00	Completed	Chappora	1188	2017-18	Drinking Water	NTPC	
9	Supply of drinking water for Project affected village Develsurra thru Tanker	1,74,600.00	1,72,854.00	-	1,72,854.00	1746.00	Completed	Devalsura	517	2017-18	Drinking Water	NTPC	
10	Laying water line from bore well to pond for filling pond	1,44,753.00	1,65,742.19	-	1,65,742.19	-20989.19	Completed	Bodajharia	619	2017-18	Others	NTPC	
11	Constn of Borewell for Indira Awas Colony Armuda	58,982.00	58,982.00	-	58,982.00	0.00	Completed	Armuda	85	2017-18	Drinking Water	NTPC	
12	Construction of 01 nos. new pond in village-kandagarh	12,87,435.64	8,09,480.00	-	8,09,480.00	477955.64	In progress	Kandagarh	830	2017-18	Others	NTPC	
13	Water distribution network in village chappora (from OTH to the village)	16,12,749.15	7,45,615.00	-	7,45,615.00	867134.15	In progress	Chappora	1188	2017-18	Drinking Water	NTPC	
14	Water purifiers for project afted schools	75,854.00	75,854.00	-	75,854.00	0.00	Completed	Armuda PS, Mahloi PS, MS, HS, Lara PS & MS and 1 anganbadi	783	2017-18	Drinking Water	NTPC	
Sub Total-I		47,56,573.79	34,30,727.19	-	34,30,727.19	1325846.60	0.00	-	-	#REF!			
II													
Education													
1	Renovation of Permanent Cultural Stage in High School for village- Mahloi	84,900.63	95,108.63	-	95,108.63	-10208.00	Completed	Mahloi	480	2017-18	Others	NTPC	
2	Construction of Cycle Stand for High School in village Mahloi	2,80,363.35	2,68,603.00	-	2,68,603.00	11760.35	Completed	Mahloi	480	2017-18	Infrastructure other than road	NTPC	
3	Construction of Sanskritik Manch in kandagrh Middle School	90,849.21	98,509.44	-	98,509.44	-7660.23	Completed	Kandagarh	107	2017-18	Infrastructure other than road	NTPC	
4	Construction of Cycle Stand in Chhappora School	2,80,678.25	2,27,397.00	-	2,27,397.00	53281.25	Completed	Chappora	120	2017-18	Infrastructure other than road	NTPC	
5	Boundary Wall of Primary School kandagarh	9,13,000.00	-	9,13,000.00	9,13,000.00	0.00	In progress	Kandagarh	35	2017-18	Infrastructure other than road	NTPC	
6	Boundary wall of Primary School Riapalli	9,13,000.00	-	9,13,000.00	9,13,000.00	0.00	Completed	Riapalli	11	2017-18	Infrastructure other than road	NTPC	
7	Deposit to Collector Raigarh for District Education Development Program	21,60,000.00	-	21,60,000.00	21,60,000.00	0.00	Completed	Raigarh District		2017-18		Deposit	
8	Restoration of Armuda Primary school	42,98,594.19	19,61,164.00	-	19,61,164.00	2337430.19	In progress	Armuda	17	2017-18		NTPC	
9	PA System for Mahloi School	27,988.00	27,988.00	-	27,988.00	0.00	Completed	Mahloi	480	2017-18		NTPC	
10	PA System for Lara School	27,988.00	27,988.00	-	27,988.00	0.00	Completed	Lara	206	2017-18		NTPC	
11	Waterbottle for school Children	1,97,482.00	1,97,482.00	-	1,97,482.00	0.00	Completed	9 villages	1510	2017-18	Drinking Water	NTPC	
12	Almirah and other utility items for Armuda School	18,000.00	18,000.00	-	18,000.00	0.00	Completed	armuda	17	2017-18	Others	NTPC	
13	Sweater for primary school children	1,86,680.00	1,86,680.00	-	1,86,680.00	0.00	Completed	9 villages	773	2017-18	Others	NTPC	
14	School bag for children from project affected schools	4,24,500.00	4,24,500.00	-	4,24,500.00	0.00	Completed	9 villages	1132	2017-18	Others	NTPC	
15	Dari for distribution to schools and anganwadis	1,30,000.00	80,500.00	-	80,500.00	49500.00	Completed	9 villages	1510	2017-18	Others	NTPC	
16	School Furniture Phase II*	16,14,937.00	18,41,028.00	-	18,41,028.00	-226091.00	Completed	9 villages	613		Others	NTPC	
Sub Total-II		1,16,48,960.63	54,54,948.07	39,86,000.00	94,40,948.07	2208012.56	0	-	-				
III													
Health													

1	Construction of 01 No. Doctor & 02 No. Staff Quarters for New Public Health Centre (PHC Building) in Chhapora village	31,99,513.21	12,71,177.00	-	12,71,177.00	1928336.21		In progress	Chappora	3	2017-18		NTPC
2	Mobile Health Clinic (2017-18 expnd)	26,86,260.00	26,86,260.00	-	26,86,260.00	0.00		In progress	9 villages	5753	2017-18		NTPC
	Sub Total - III	58,85,773.21	39,57,437.00	-	39,57,437.00	1928336.21	0.00	-	-				
IV Road													
1	CC Road from GP Building to NTPC Road 250 mts	8,81,000.00	-	8,81,000.00	8,81,000.00	0.00		Completed	Mahloi	627	2017-18	Road	NTPC
2	CC Road from House of Devendraa Pradhan to High School 200 mts	7,40,000.00	-	7,40,000.00	7,40,000.00	0.00		Completed	Mahloi	627	2017-18	Road	NTPC
3	CC Road from Bharat Pradhan House to Shiv Mandir 250 mts	8,81,000.00	-	8,81,000.00	8,81,000.00	0.00		Completed	Mahloi	627	2017-18	Road	NTPC
4	CC Road from field of chamar singh to main road	12,31,000.00	-	12,31,000.00	12,31,000.00	0.00		Completed	Riapalli	266	2017-18	Road	NTPC
5	CC Road from filed ofhouse of arvind singh to house of chamar singh	12,31,000.00	-	12,31,000.00	12,31,000.00	0.00		Completed	Riapalli	266	2017-18	Road	NTPC
6	CC Road from primary school to harijan mohalla	10,57,000.00	-	10,57,000.00	10,57,000.00	0.00		Completed	Riapalli	266	2017-18	Road	NTPC
7	CC road nawadi basti	12,31,000.00	-	12,31,000.00	12,31,000.00	0.00		Completed	Chappora	350	2017-18	Road	NTPC
8	CC Road 300 mts. harijan mohalla	10,59,000.00	-	10,59,000.00	10,59,000.00	0.00		Completed	Lara	200	2017-18	Road	NTPC
9	CC Road from main road to kewta talab	10,59,000.00	-	10,59,000.00	10,59,000.00	0.00		In progress	Devalsura	150	2017-18	Road	NTPC
10	CC Road in Knadaqarh village	10,17,000.00	-	10,17,000.00	10,17,000.00	0.00		In progress	Kandaqarh	500	2017-18	Road	NTPC
11	CC Road from main road to uijaqain qudi	3,30,000.00	-	3,30,000.00	3,30,000.00	0.00		In progress	Armuda	200	2017-18	Road	NTPC
12	CC Road in new Indira Awas colony	5,47,000.00	-	5,47,000.00	5,47,000.00	0.00		In progress	Armuda	85	2017-18	Road	NTPC
13	CC Road from overhead water tank to banjara mohalla	11,50,000.00	-	11,50,000.00	11,50,000.00	0.00		In progress	Mahloi	300	2017-18	Road	NTPC
14	CC road for village Lara (400 M)	14,64,398.00	16,13,634.00	-	16,13,634.00	-149236.00		Completed	Lara	350	2017-18	Road	NTPC
15	Temporary repair of Chappora Road to Shiv Mandir	1,47,045.00	1,47,045.00	-	1,47,045.00	0.00		Completed	Chappora	400	2017-18	Road	NTPC
16	Construction of CC Road from Main Road (Pussore Road near Chhapora Nala)	28,59,674.00	29,01,236.00	-	29,01,236.00	-41562.00		Completed	Chappora	1188	2017-18	Road	NTPC
17	Construction of WMM Road for village kandaqarh towards Chantipali village.	17,34,555.00	17,80,886.00	-	17,80,886.00	-46331.00		Completed	Kandaqarh	1000	2017-18	Road	NTPC
18	Construction of CC Road from Chappora Road to Shiv Mandir	18,28,868.55	24,54,748.00	-	24,54,748.00	-625879.45		Completed	Chappora	400	2017-18	Road	NTPC
19	Balance work of Armuda CC Road Phase ii*	12,17,762.00	11,26,211.00	-	11,26,211.00	91551.00		Completed		400		Road	NTPC
	Sub Total - IV	2,16,66,302.55	1,00,23,760.00	1,24,14,000.00	2,24,37,760.00	-771457.45	0.00	-	-				
V Infrastructure other than road													
1	Mangal Bhawan near Shiv Mandir	15,26,000.00	-	15,26,000.00	15,26,000.00	0.00		In progress	Chappora	500	2017-18	Others	NTPC
2	Community Center in Chappora village	6,50,000.00	-	6,50,000.00	6,50,000.00	0.00		completed	Chappora	500	2017-18	Infrastructure other than road	NTPC
3	Construction of Fair price shop with godown	9,82,000.00	-	9,82,000.00	9,82,000.00	0.00		In progress	Lara	1100	2017-18	Others	NTPC
4	Cremation Shed	4,80,000.00	-	4,80,000.00	4,80,000.00	0.00		In progress	Lara	1100	2017-18	Others	NTPC
5	new panchayat building	17,39,000.00	-	17,39,000.00	17,39,000.00	0.00		In progress	Lara	1100	2017-18	Infrastructure other than road	NTPC
6	Mangal Bhawan in Devalsura village	15,86,000.00	-	15,86,000.00	15,86,000.00	0.00		In progress	Devalsura	500	2017-18	Others	NTPC
7	Community center at Kandaqarh village	2,75,000.00	-	2,75,000.00	2,75,000.00	0.00		In progress	Kandaqarh	400	2017-18	Others	NTPC
8	Mangal Bhawan Nirman	19,85,000.00	-	19,85,000.00	19,85,000.00	0.00		In progress	Kandaqarh	350	2017-18	Others	NTPC
9	Community center at Saradih village	50,00,000.00	-	50,00,000.00	50,00,000.00	0.00		In progress	Saradih	800	2017-18	Infrastructure other than road	NTPC
10	Bathing Ghat Nirman at Mahanadi river bank	1,20,000.00	-	1,20,000.00	1,20,000.00	0.00		In progress	Saradih	800	2017-18	Others	NTPC
11	Chowpal nirman in uijaqain qudi	3,00,000.00	-	3,00,000.00	3,00,000.00	0.00		In progress	Armuda	400	2017-18	Others	NTPC
12	Chowpal nirman in new indira awas colony	3,00,000.00	-	3,00,000.00	3,00,000.00	0.00		In progress	Armuda	85	2017-18	Others	NTPC
13	Community center near armuda school	19,00,000.00	-	19,00,000.00	19,00,000.00	0.00		In progress	Armuda	471	2017-18	Others	NTPC
14	Construction of Boundary Wall with Two Rooms for Play Ground	12,21,104.47	11,08,663.00	-	11,08,663.00	112441.47		completed	Chappora	200	2017-18	Others	NTPC
15	Construction of Boundry Wall for Panchayat Ghar in Village-kandaqarh	2,65,419.38	2,66,625.00	-	2,66,625.00	-1205.62		completed	Kandaqarh	800	2017-18	Others	NTPC
16	Parking space and office rooms at SP Office complex	14,03,785.00	11,44,757.00	-	11,44,757.00	259028.00		In progress	Raiqarh	100	2017-18	Others	NTPC
17	Fencing CPR work in Armuda*	10,54,559.00	96,020.00	-	96,020.00	958539.00		completed	Armuda	400	2017-18	Infrastructure other than road	NTPC
18	Construction of pachari at purana talab mahloi	3,21,720.00	2,71,051.00	-	2,71,051.00	50669.00		completed	Mahloi	600	2017-18	Others	NTPC
	Sub Total - V	2,11,09,587.85	28,87,116.00	1,68,43,000.00	1,97,30,116.00	1379471.85	0.00	-	-				
VI Sanitation													
1	Construction of Drain	20,00,000.00	-	20,00,000.00	20,00,000.00	0.00		In progress	Chappora	1100	2017-18	Others	NTPC
2	Construction of Drain in middle basti	19,81,000.00	-	19,81,000.00	19,81,000.00	0.00		In progress	Devalsura	500	2017-18	Others	NTPC
3	Construction of Drain village Armuda	1,97,225.00	1,56,202.00	-	1,56,202.00	41023.00		In progress	Armuda	200	2017-18	Others	NTPC
4	Construction of brick drain along CC road in Lara	14,57,184.00	7,27,520.00	-	7,27,520.00	729664.00		In progress	Lara	250	2017-18	Road	NTPC
	Sub Total - VI	56,35,409.00	8,83,722.00	39,81,000.00	48,64,722.00	770687.00	0.00	-	-				
VII Toilet													
Individual Toilet													
1	Construction of additional Individual Toilets in 09 project affected villages	45,00,000.00	-	45,00,000.00	45,00,000.00	0.00	0	In progress	9 villages	225	2017-18	Sanitation/Toilet	NTPC
Toilet in School (under CD)													
2	Toilet in kandaqarh primary school	1,13,681.00	1,10,682.00	-	1,10,682.00	2999.00		completed	kandaqarh	35		Sanitation/Toilet	NTPC
	Sub Total - VII	46,13,681.00	1,10,682.00	45,00,000.00	46,10,682.00	2999.00	0.00	-	-				
VIII Sport & Culture													
1	Sanskriti Manch	5,40,000.00	-	5,40,000.00	5,40,000.00	0.00		In progress	chappora	1100	2017-18	Others	NTPC
2	Deposit to Collector Raiqarh for Chakradhar Samaroh	7,20,000.00	-	7,20,000.00	7,20,000.00	0.00			Raiqarh		2017-18	Others	NTPC

3	Deposit for JAJWALDEV LOK MAHOSTAV & AGRITECH	7,20,000.00	-	7,20,000.00	7,20,000.00	0.00			Jhajgir-Champa		2017-18		
4	Inter village cricket tournament	28,000.00	28,000.00		28,000.00	0.00		Completed	Armuda	200	2017-18	Sport & Culture	NTPC
5	Inter village vollyball tournament	61,550.00	54,000.00		54,000.00	7550.00		Completed	9 villages	100	2017-18	Sport & Culture	NTPC
6	Assistance to Zilla Ameture Kabbadi Sangh, Raigarh	1,00,000.00	-	1,00,000.00	1,00,000.00	0.00			Raigarh	600	2017-18	Sport & Culture	NTPC
7	Financial Assistance for Pussore Invitation Cup Cricket Tournament	2,00,000.00	-	-	-	200000.00			pussore	100	2017-18	Sport & Culture	NTPC
8	National Games held at Raigarh (Dress for players & electrical fittings in players lodqing place)	7,04,445.00	-	7,04,445.00	7,04,445.00	0.00			Raigarh	1000	2017-18	Sport & Culture	NTPC
	Sub Total - VIII	30,73,995.00	82,000.00	27,84,445.00	28,66,445.00	207550.00	0.00	-	-				
	Summary	Awarded /Estimated value in (Rs Lakh)	Executed by NTPC	Deposit work	Cum. Exp. Till date (Rs.Lakh)	Committed (Rs. Lakh)	Remaining Money (Rs. Lakh)	Completed/ in Progress / Committed	Place/Village	No of Beneficiaries (Approx)			
		7,83,90,283.03	2,68,30,392.26	4,45,08,445.00	7,13,38,837.26	#REF!	#REF!	As above	As above	As above			

*** 9 Villages are the project affted villages - Chappora, Armuda, Devalsura, Bodajharia, Kandagarh, Jhligitar, Lara, Riapalli and Mahloi

NTPC LARA
CD WORK DETAILS FOR THE YEAR 2018-19

S. No.	Name of work	Village and Village Panchayat	Value	Amount Release	Contractors's Name	PO No	Category	NTPC/Deposit
1	1. Renovation of Pond 2. Pond deepening, Amadipa Saraipali 3. C C road construction with drain	Odekela,Saraipali	44,54,000.00	44,54,000.00	CEO Jila Panchayat, Raiagrh	8200228440 Dtd: 10.04.2018	Road	Deposit
2	CC road construction 1. Sajvapara, Tetla 2. Junadhih Gond Dipa, Banda 3. Main road to Dipara and Dhipapara main road to junadhih banda	Tetla, Banda, Linjir	59,98,000.00	59,98,000.00	CEO Jila Panchayat, Raiagrh	8200121147 Dtd: 09.05.2018	Road	Deposit
3	Deposit to Zila Panchayat Office , Raigarh for demolition of Muktidham Sa Pratikshalaya in Bodajhariya village.	Bodajharia	1,90,000.00	1,90,000.00	Sarpanch and Sachiv Gram panchayat Kandgarh	8200231805 Dtd: 16.05.2018	Others	Deposit
4	1. Deepening of Pond Bonda 2. Pond deepening and boring and pump installation 3. Mukditham Marg with CC Road. 4. Deepening of pond - Basanpali 5. Deepening of pond - GUDU	Bonda, Odekela, Gudu	70,78,300.00	15,75,000.00	CEO Jila Panchayat, Raiagrh	8200233222	Infrastructure other than road	Deposit
5	Coupon vending machine	Raigarh	2,79,849.00	2,79,849.00	Unique Computer System, Raigarh	8200234577	Others	NTPC
6	Installation of CC Camera at vital locations in Pussore Police Station	Pussore	79,200.00	1,03,000.00			Others	NTPC
7	Shree Ritesh Yadav's game promotion soft ball player	Raigarh	1,70,000.00	1,70,000.00	Collector- Raigarh		Sport & Culture	Deposit
8	Construction of new school building under the CSR item	Tehsil Pussore and Baramkela	3,70,57,000.00	3,70,57,000.00	Collector- Raigarh	8200238932	Education	Deposit
9	Chakradhar Samaroh	Raiagrh	10,00,000.00	10,00,000.00	Officer-in-charge Chakradhar Samaroh	8200176039	Sport & Culture	Deposit
10	Welcome gate construction	Mahloi, Armuda, Kandagrh, Bodajhariya, Chhapora, Devalsura, Ghutkupalli, Lara	31,50,000.00	31,50,000.00	Sarpanch and Sachiv Gram panchayat	Mahloi + Armuda PO: 8200255738 Kandagarh + Bodajharia P.O: 8200255740 Chhapora P.O: 8200255742 Lara P.O: 8200256817 Ghutkupali P.O: 8200255745	Infrastructure other than road	Deposit
11	Solar street lights	9 Village	79,60,000.00	79,60,000.00	CREDA, Raigarh	8200242655 Dtd: 03.10.2018	Infrastructure other than road	Deposit
12	Dustbin in Raigarh railway station (Swachhta Pakhvada)	Raigarh	6,500.00	6,500.00	Ajay Fancy Store Raigarh	8200247976	Sanitation	NTPC

13	Photocopy machine and toner	Raigarh	99,474.00	99,474.00	Dy. Director (Mining Dept) Raigarh	8200248277	Others	NTPC
14	Miscellaneous infrastructure construction	Lakhanpur, Jharsuguda (Odisha)	72,00,000.00	72,00,000.00	Collector Jharsuguda	8200250710 Dtd: 01.12.2018	Infrastructure other than road	Deposit
15	Distribution of Plants	9 Village	30,000.00	30,000.00	Superintendent Horticulture Pussore	8200252219 Dtd: 18.12.2018	Others	Deposit
16	Cricket Tournament	Armuda	37,000.00	30,000.00		P.O: 8200248277	Sport & Culture	NTPC
17	Invitation Cup Inter State Cricket Tournament-2019	Pussore	2,50,000.00	2,50,000.00	Cricket Organization Committee	8200254556 Dtd: 10.01.2019	Sport & Culture	Deposit
18	Invitation Cup Inter State Cricket Tournament-2018	Pussore	2,00,000.00	2,00,000.00	Cricket Organized Committee	8200248018 Dtd: 03.11.2018	Sport & Culture	Deposit
19	Volleyball Tournament	Lara	50,400.00	50,400.00		Notesheet dtd: 12.01.2019	Sport & Culture	NTPC
20	Jajvalaydev Lok Mahotsav and Agritech Agricultural Mela	Janjgir-Champa	7,20,000.00	7,20,000.00	Collector- Janjgir-Champa	8200254834 Dtd: 14.01.2019	Sport & Culture	Deposit
21	Office furniture and other materials in village Armuda Primary School	Armuda	42,970.00	42,970.00		Misc PO	Infrastructure other than road	NTPC
22	Construction of Vehicle Parking Shed in Tehsil Office	Dabhara	1,54,000.00	1,54,000.00		P.O No: 8200255463 Ch: No: 106383, Dtd: 04.02.2019	Infrastructure other than road	Deposit
23	Construction of public toilets in Tehsil office	Dabhara	6,46,000.00	6,46,000.00	Tahsil-Dabhara Janjgir-Champa	P.O No: 8200255462 Ch: No: 106382 Dtd: 04.02.2019	Toilets	Deposit
24	Renovation Work of Tehsil office	Dabhara	9,24,000.00	9,24,000.00		P.O No: 8200255519 Ch: No: 106384, Dtd: 04.02.2019	Infrastructure other than road	Deposit
25	Dhan Mandi Boundary-wall.	Chhapora	16,27,995.12	9,94,657.50		PO No: 5500030863	Infrastructure other than road	NTPC
26	Mobile Medical Van	9 Village	1,09,04,760.00	30,22,193.00		PO No: 5500022128	Health	NTPC
27	Construction of 01 No. Doctor & 02 No. Staff Quarters for New Public Health Centre (PHC Building) in Chhapora village	Chhapora	33,35,711.42	29,75,547.31		PO No: 5500026204	Health	NTPC
28	E-Rickshaw for PWD PAP	Chhappora	1,33,000.00	1,33,000.00			Physically Challenged Persons (PCP)	NTPC
29	Financial Assistance to Sh. Rishi Singh (National Taekwondo Medalist selected for World Championship Trial)	Raigarh	30,000.00	30,000.00	MLA-Raigarh	Lara/HR-E S/2018- 19/SPORTS/100414	Sport & Culture	Deposit
30	Procurement, Supply, Installation & Commissioning of 01 no of Potable Water ATM.	Bodajharia	14,20,000.00	0.00	CREDA, Raigarh	Lara/HR-E S/2018- 19/WATERATM/120717	Drinking Water	Deposit
31	Construction of 02 nos. new pond in village-kandagarh	Kandagarh	12,87,435.64	8,10,000.00		P.O No: 4600042769	Drinking Water	NTPC
32	Water distribution network in village chappora (from OTH to the village)	Chappora	16,12,749.15	0.00		P.O No: 4600043700	Drinking Water	NTPC

33	Construction of Armuda Primary school	Armuda	47,55,610.38	42,10,824.56		P.O No: 5500016512	Education	NTPC
34	Parking space and office rooms at SP Office complex	Raigarh	14,03,785.00	0.00		P.O No: 4600047192	Infrastructure other than road	NTPC
35	Construction of Drain village Armuda	Armuda	1,97,225.00	0.00		P.O No: 4600042840	Infrastructure other than road	NTPC
36	Construction of brick drain along CC road in Lara	Lara	14,57,184.00	3,75,024.00		P.O No: 4600048070	Infrastructure other than road	NTPC
37	KIT Scholarship to Ms. Sunita Panda	Kandagarh	1,20,000.00	1,20,000.00		P.O No: 8200249991	Education	NTPC
38	Supply of Drinking Water Thru Tanker - Chhapora	Chhapora	2,33,782.00	2,33,782.00		P.O No: 4600050753	Drinking Water	NTPC
39	Supply of Drinking Water Thru Tanker-Riyapali	Riyapali	2,33,782.00	2,33,782.00		P.O No: 4600050751	Drinking Water	NTPC
40	Supply of Drinking Water Thru Tanker-Bodajharia	Bodajharia	1,98,120.00	1,98,120.00		P.O No: 4600050754	Drinking Water	NTPC
41	Supply of Drinking Water Thru Tanker-Kandhagarh	Kandagarh	2,33,782.00	2,33,782.00		P.O No: 4600050756	Drinking Water	NTPC
42	Supply of Drinking Water Thru Tanker-Armuda	Armuda	1,98,120.00	1,98,120.00		P.O No: 4600050758	Drinking Water	NTPC
43	Supply of Drinking Water Thru Tanker-Mahloi	Mahloi	2,33,782.00	2,33,782.00		P.O No: 4600050747	Drinking Water	NTPC
44	Supply of Drinking Water Thru Tanker-Dewalsurra	Dewalsurra	2,33,782.00	2,33,782.00		P.O No: 4600050752	Drinking Water	NTPC
45	Supply of Drinking Water Thru Tanker-Jhilgitar	Jhilgitar	2,33,782.00	2,33,782.00		P.O No: 4600050746	Drinking Water	NTPC
46	Supply of Drinking Water Thru Tanker-Lara	Lara	2,33,781.00	2,33,781.00		P.O No: 4600050750	Drinking Water	NTPC
47	Supply of Drinking Water Thru Tanker-Thengapali	Thengapali	2,33,781.00	2,33,781.00		P.O No: 4600050790	Drinking Water	NTPC
48	Providing drinking water thru Pyau-Armuda & jhilgitar	Bhu visthapit Kalyan Samiti Armuda & Jhilgitar	1,36,000.00	1,36,000.00		P.O No: 8200241140	Drinking Water	NTPC
49	Providing drinking water thru Pyau-Chhapora	Chhapora	80,240.00	80,240.00		P.O No: 8200240537	Drinking Water	NTPC
50	Providing drinking water thru Pyau-Mahloi	Mahloi	80,240.00	80,240.00		P.O No: 8200240543	Drinking Water	NTPC
51	Providing drinking water thru Pyau-Kandagarh	Kandagarh	80,240.00	80,240.00		P.O No: 8200240682	Drinking Water	NTPC
52	Providing drinking water thru Pyau-Bodajharia	Bodajharia	80,240.00	80,240.00		P.O No: 8200240984	Drinking Water	NTPC
53	Providing drinking water thru Pyau-Dewalsurra	Dewalsurra	80,240.00	80,240.00		P.O No: 8200240762	Drinking Water	NTPC
54	Const of CC Road for village Lara	Lara	14,80,411.64	16,32,134.68		P.O No: 5500029078	Road	NTPC
55	Cleanling of Ponds under Swachhta Pakhwada	Kandagarh	15,000	15,000	SARPANCH & SACHIV Gram Panchayat Kandagarh	P.O No: 8200235329	Sanitation	NTPC
56	Cleanling of Ponds under Swachhta Pakhwada	Mahloi	15,000	15,000	SARPANCH & SACHIV Gram Panchayat Mahloi	P.O No: 8200235314	Sanitation	NTPC
57	Cleanling of Ponds under Swachhta Pakhwada	Chhapora	15,000	15,000	Gram Panchayat Chhapora	P.O No: 8200235316	Sanitation	NTPC

58	Cleaning of Ponds under Swachhta Pakhwada	Riyapali	15,000	15,000	Gram Panchayat Ghutkupali	P.O No: 8200235319	Sanitation	NTPC
59	Cleaning of Ponds under Swachhta Pakhwada	Bodhajharia	15,000	15,000	Gupta Construction	P.O No: 8200248846	Sanitation	NTPC
60	HOT AIR OVEN for PHC Chhapora	Chhapora	63,244	63,244	MERCURY LAB PLANNERS	P.O No: 4600055507	Health	NTPC
61	Medical Equipments for PHC Chhapora	Chhapora	1,30,849	1,30,849	GEM		Health	NTPC
	Total		11,04,84,498.35	8,95,35,512.05				

NTPC Lara-Proposed CSR/CD Work for the FY 2019-20. Approx Available Budget (8.71 Cr)

04.03.2020

S.No.	Description	Village	PO/PR Number	Estimated Amount (INR)	Actual Expenditure (INR)	Category	Reference	Remarks
1	Water distribution network from water tank to villages	9 villages				Drinking Water	Villagers	PO
A	Armuda		4600058518	5,02,635	2,28,300	Drinking Water	Villagers	Awarded
B	Mahloi		4600059504	7,77,890	4,00,000	Drinking Water	Villagers	Awarded
C	Devalsura		4600058751	11,09,367	5,00,000	Drinking Water	Villagers	Awarded
D	Chhapora		4600043700	15,15,984	7,45,615	Drinking Water	Villagers	Awarded
E	Kandagarh		4600058519	13,11,136	6,49,000	Drinking Water	Villagers	Awarded
F	Jhilgitar		4600058466	1,92,624		Drinking Water	Villagers	Awarded
G	Lara		4600058509	13,13,840		Drinking Water	Villagers	Awarded
H	Riyapali		4600058477	3,64,441		Drinking Water	Villagers	Awarded
I	Bodajharia		4600058504	9,68,301	5,47,000	Drinking Water	Villagers	Awarded
2	Financial Support to Master Rishi Singh (Taekwondo Player)	Raigarh	8200268350		28,400	Sport & Culture	MLA	Completed
3	Installation of Solar Street Lights in the Balance area of all villages	7 villages	4600058628	85,00,000	42,50,000	Infrastructure other than road	Villagers	Under Progress
4	Installation of Solar Water ATM Machine in Bodajharia Village	Bodajharia	8200264237		14,20,000	Drinking Water	MLA	Completed
5	Construction of community toilet in Vill: Armuda and Pussore Block	Pussore Tehsil	Proposed			Toilets	NTPC	With CCD for PR
6	Construction of Additional Classrooms and Toilets in Govt Primary School	Bodajharia	4600060207	23,04,000		Education	Villagers	With C&M under award
7	Construction of existing road from Bodajharia to Kandagarh Village	Kandagarh	Cancelled			Road	Villagers	Work done by Govt.
8	Construction of Devlas In Village: Bodajharia	Bodajharia	5500033571	4,97,925	3,10,440	Infrastructure other than road	Villagers	Under Progress
9	Providing and laying of WMM in front side road and inside the school of New Armuda Govt School and Construction of school nearby drains.	Armuda	4600057307		6,80,552	Education	Villagers	Completed
10	Parking at PHC Chhapora	Chhapora	5500033709	6,24,789		Health	PHC	Agency not executing work
11	Boundary Wall, Gate and Toilet of Anganwadi of Armuda.	Armuda	4600056453		2,26,477	Education	Villagers	Completed
12	SUPPLY, INSTALLATION AND COMMISSIONING OF PLAY EQUIPMENTS	11 villages	4600055930		11,83,193	Education	Villagers	Completed
13	Digging of New pond in Bodajharia	Bodajharia	800044747	25,97,193		Drinking Water	Villagers	New proposal by CCD to be initiated
14	Construction of Mid-day Meal Shed in Govt School.	Mahloi	5500033210		4,74,468	Education	Villagers	Completed
15	Renovation of Mandir Talab	Lara	Under Award			Drinking Water	Villagers	Under Award
16	Renovation Natwar Talab	Gutkupalli	4600058217	31,96,353		Drinking Water	Villagers	Work to start w.e.f Feb'2020.
17	Construction of Over Head Tank in Bodajharia Village	Bodajharia	5500021507	21,73,303		Drinking Water	Villagers	Provisional Time Extension provided
18	Constn of CC Road in Lara	Lara	4600056626		20,96,556	Road	Villagers	Completed
19	Civil Works in Kandagarh Gram Panchayat including Roads and Leveling of community land (Nistar)	Kandagarh & Bodajharia	Under Approval			Infrastructure other than road	Villagers	CCD has moved proposal
20	Construction of School Boundary wall for Village Jhilgitar	Jhilgitar	4600038809		4,26,236	Education	Villagers	Completed

21	Construction of Community centre at Bodajharia	Bodajharia	4600042006 16.09.16	8,76,938		Infrastructure other than road	Villagers	Under Progress
22	Digging of 01 no. borewell and provision of 02 nos. water tanks (5000 L) for bathing near Chandan Talab	Bodajharia	4600049530	2,92,840	1,34,267	Drinking Water	Villagers	Borewell completed Balance work Under Progress
23	Digging of Borewell and water supply network in Indira Awas Colony	Armuda	4600056934	1,96,014		Drinking Water	Villagers	Under Progress
24	Construction of CC Road in Devalsura	Dewalsura	4600056830		4,03,715	Road	Villagers	Completed
25	Construction of Gate in Govt Primary School Lara	Lara				Education	Villagers	Completed
26	Construction of Girls Toilet in GOVT High Secondary School Mahloi	Mahloi	Under Approval			Education	Villagers	Proposal to be initiated
27	Mobile Medical Van Services for villages	25 Villages.	4600057457		10,54,500	Health	NTPC	Started w.e.f 02.01.2020
28	Skill Development for youths of PAP Villages	9 villages					NTPC	Proposal to be initiated
29	Skill Development classes for Womens	9 villages					NTPC	Proposal to be initiated
30	Medical Furnitures for PHC Chhapora	Chhapora	4600055140		5,33,501	Health	PHC	Completed
31	Renovation and deepening of Pond in Dewalsura	Dewalsura	Proposed			Drinking Water	Villagers	On hold
32	Construction Of Boundary Wall For Kodpali Dhanmandi.	Kodpali	Proposed			Infrastructure other than road	Villagers	On hold
33	Providing Printers, UPS and Chairs in Tehsil office Dabhra-reg	Dabhra	8200272813 8200272070		16,040	Others	State Admin	Completed
34	Digging of Borewell in Banjarapara village-Bodhajharia.	Bodajharia		2,06,206	1,23,113	Drinking Water	MLA	Completed
35	Felicitation to Girl Child Ku. Nisha Patel for highest marks in C.G. Sate Board Secondary Education-2019.	Tarda, Pussore	8200268004		49,660	Education	NTPC	Completed
36	Extending Infrastructure Support during Socio Culture Event' 2019 at Raigarh	Raigarh	8200269250		99,710	Others	State Admin	Completed
37	Village Cricket Tournament at village Lara	Lara	8200275625 8200275581 8200275654		31,659	Sport & Culture	Villagers	Completed
38	Supply and Installation of DD Refrigerator of 260 Ltr (LG Model-GL-N292DDSY) for PHC Chappora	Chhapora	8200267200		23,700	Health	PHC	Completed
39	Financial Support to 18th Senior State and Inter District carrom Championship 2018-19	Raipur	8200263289		50,000	Sport & Culture	NTPC	Completed
40	Deposit Work Bunga, Boundary wall Gadain Devi Mandir	Dabhra	4600056295		8,50,000	Infrastructure other than road	Villagers	Completed, UC Received As on 25.03.2021
41	Arranging Coaching Classes to PAPs of Lara to prepare them for Competitive Employment Exams-	All villages	8200275471		2,42,000	Education	State Admin	Completed
42	Volley Ball Tournament in Lara	Lara			53,702	Sport & Culture	Villagers	Completed
43	Deposit work in Pussore Block through Zila Panchayat Office	Pussore	4600057105		92,96,000	Road	Minister	Completed, UC Received As on 25.03.2021
44	Waiver of fees for PAP girl Child Estimated Value=13,61,000.	9 villages	8200276125		12,36,750	Education	NTPC	Completed
45	Deposit work for Electrification work in Auditorium near Panjri Plant, Riagrh	Raigarh	4600057413		13,09,576	Infrastructure other than road	State Admin	Completed
46	Solar Street Light in MGR Villages by MGR Team	MGR	8200276619		21,48,389	Infrastructure other than road	NTPC	Completed
47	Inauguration for PHC Chhapora (Tent Hiring)	Chhapora	8200275609		33,069	Others		Completed

48	Construction of boundary wall with two rooms & toilet for play ground.	Lara	4600043922	13,74,513		Infrastructure other than road	Villagers	Under Progress
49	Construction of boundary wall at Govt. Middle School Basanpali	Basanpali	4600058277		15,95,000	Infrastructure other than road	State Admin	Completed, UC Received As on 25.03.2021
50	Procurement of Dari for Schools and Anganwadis	9 villages	8200228156		1,22,558	Education	Villagers	Completed
51	Painting of Board and Wall At PHC Chhapora	Chhapora	8200282559		9,240	Health	PHC	Completed
52	CLEANLINESS DRIVE IN BODHAJHARIA VILLAGE	Bodajharia	8200282557		15,000	Others	Villagers	Completed
53	Construction of Culvert over the drain falling in between the road from Kandagarh to Chantipali Village	Kandagarh				Road	Villagers	Being done through site package.
54	Construction of Cycle Stand in New Govt. Primary School Armuda	Armuda				Education	Villagers	Approved
55	Construction of NEW Building for Mahloi High Secondary School.	Mahloi				Education	State Admin	
56	Ground Area Concreting and Construction of Platform in Chappora Dhan Mandi	Chhapora	4600058715	18,56,523		Infrastructure other than road	Villagers	Under Progress
57	Construction of Bathing Ghat at Thengapali Village	Thengapali	800045797	6,00,518		Infrastructure other than road	Villagers	Approved
58	Laying of PCC and Paver Block to make the road from School Main Gate up to the School Premises of New Armuda Govt School.	Armuda				Education	Villagers	
59	Deposit to District Collector for Contribution to National Tribal Dance Festival-2019	Raipur	4600059128		5,00,000	Sport & Culture	State Admin	Completed
60	Organizing Inter - Village Cricket Tournament at village Lara 2019-20	Lara		12,000		Sport & Culture	Villagers	Completed
61	Organizing Inter - Village Cricket Tournament at village Jhilgitar	Jhilgitar		30,000		Sport & Culture	Villagers	Completed
62	Distribution of T-Shirts and Caps for NSS State Level Program				1,59,579	Sport & Culture	Minister	Completed
63	Jajvalaydev Lok Mahotsav and Agritech Agricultural Mela		8200292051		7,20,000	Sport & Culture	State Admin	Completed
64	Boundary Wall and gate of PHC Chhapora	Chhapora	4600060020	1,72,563		Health	NTPC	
65	Tution Fees Reimbursement for Higher Education (KIT)				60,000	Education		
	Total			3,35,67,896	3,50,36,965			

NTPC Lara-Proposed ITI Pussore Work for the FY 2019-20. Approx Available Budget (10.00 Cr)								04.03.2020
S.No.	Description	Village	PO/PR Number	Estimated Amount (INR)	Actual Expenditure (INR)	Category	Reference	Remarks
1	Procurement of furniture from M/s Godrej for phase 1 of renovation of ITI Pussore under CSR.	Pussore	4600056711		27,82,185	Education	Big Ticket/CM	
2	Electrical Works for renovation of ITI Pussore - Phase-I	Pussore	4600057756	3,61,497		Education	Big Ticket/CM	

3	Electrical Supply for renovation of ITI Pussore - Phase-I	Pussore	4600058643 4600058642 4600058649 4600058653 4600058313	7,00,391		Education	Big Ticket/CM	
4	Civil Works for Renovation of ITI Pussore - Phase I	Pussore	4600057657	20,06,047		Education	Big Ticket/CM	
5	PROCUREMENT OF VIRTUAL WELDING MACHINE FOR ITI PUSSORE	Pussore	700056311	10,15,775		Education	Big Ticket/CM	
6	Procurement of IT Materials	Pussore	4600057026 4600058234	8,09,757		Education	Big Ticket/CM	
7	Construction of Boundary Wall of Govt ITI Pussore - Pradip File No-143494	Pussore	4600057704	22,46,315		Education	Big Ticket/CM	
	Total			71,39,782	27,82,185	99,21,967		

NTPC Lara-Proposed GEM Work for the FY 2020-21.								04.03.2020
S.No.	Description	Village	PO/PR Number	Estimated Amount (INR)	Actual Expenditure (INR)	Category	Reference	Remarks
67	Residential Workshop for Empowerment of Girl Child	9 villages				Education	NTPC	Approved

NTPC Lara-Proposed CSR/CD Work for the FY 2020-21 Approx Available Budget (8.71 Cr)

S. No.	Description	Village	PO/PR Number	Service Period	Estimated Amount (INR)	Actual expenditure (Payment As per MIS Dashboard)	Category	Reference
1	Water distribution network from water tank to villages	9 villages					Drinking Water	Villagers
A	Armuda	Armuda	4600058518		5,02,635		Drinking Water	Villagers
B	Mahloi	Mahloi	4600059504		7,77,890		Drinking Water	Villagers
C	Devalsura	Devalsura	4600058751		11,09,367		Drinking Water	Villagers
D	Chhapora	Chhapora	4600043700		15,15,984	9,59,218	Drinking Water	Villagers

E	Kandagarh	Kandagarh	4600058519		13,11,136		Drinking Water	Villagers
F	Jhilgitar	Jhilgitar	4600058466	11.11.2019-30.07.2020 Jayram Panda	1,92,624	1,00,000	Drinking Water	Villagers
G	Lara	Lara	4600058509	18.11.2019-17.05.2020 VC:1166613 Sahdev Construction	13,13,840		Drinking Water	Villagers
H	Riyapali	Riyapali	4600058477	11.11.2019-10.03.2020 VC:1110224 Thawait Construction	3,64,441		Drinking Water	Villagers
I	Bodajharia	Bodajharia	4600058504	18.11.2019-15.05.2020 (VC:1177904) SETKUMAR SAWARA	9,68,301		Drinking Water	Villagers
2	Construction of Over Head Tank in Bodajharia Village	Bodajharia	5500021507		21,73,303		Drinking Water	Villagers
3	Installation of Solar Street Lights in the Balance area of all villages	7 villages	4600058628		85,00,000	42,50,000	Infrastructure other than road	Villagers

4	Construction of community toilet in Vill: Armuda	Armuda	4600063690		14,24,596		Toilets	
5	Construction of Additional Classrooms and Toilets in Govt Primary School	Bodajharia	4600060207		23,04,000	8,96,861	Education	Villagers
6	Construction of Devlas In Village: Bodajharia	Bodajharia	5500033571		6,65,219	354799.57	Infrastructure other than road	Villagers
8	Construction of Community centre at Bodajharia	Bodajharia	4600042006		8,76,938		Infrastructure other than road	Villagers
9	Digging of 01 no. borewell and provision of 02 nos. water tanks (5000 L) for bathing near Chandan Talab	Bodajharia	4600049530		2,92,840		Drinking Water	Villagers
10	Digging of Borewell and water supply network in Indira Awas Colony	Armuda	4600056934		1,96,014		Drinking Water	Villagers
11	Mobile Medical Van Services for villages (MMU)	25 Villages.	4600057457		1,41,07,296	21,42,695	Health	NTPC
13	Construction of boundary wall with two rooms & toilet for play ground.	Lara	4600043922		13,74,513		Infrastructure other than road	Villagers
14	Construction of Cycle Stand in New Govt. Primary School Armuda	Armuda	4600063656		2,94,572		Education	Villagers
15	Procurement of AC and Furniture for SDOP office Kharsia		4500070421 4500070423		60,000	71,400	Education	State Admin
16	Ground Area Concreting and Construction of Platform in Chappora Dhan Mandi	Chhapora	4600058715		18,56,523		Infrastructure other than road	Villagers

	Construction of Bathing Ghat at Thengapali Village	Thengapali	800045797		6,00,518		Infrastructure other than road	Villagers
18	Tuition Fees Reimbursement for Higher Education (KIT)		8200299285 8200299284 8200297900 8200308212 8200308215		8,03,350	6,83,350	Education	
19	Tablu for Republic day Celebration	State	4600060906		1,15,640	1,15,640	Sport & Culture	
21	Procurement of Air Coolers for Pussore Police Station		4500066295		29,850	29,850	others	
22	Procurement of Air Conditioner for Pussore Tehsil Office		700060384		35,129		others	
24	COVID-19 expenses		4600060610 4600061423 4600061441 8200297142		20,48,390	20,48,390	Health	
31	Renovation of Mandir Talab	Lara	4600060232		28,59,124		Drinking Water	Villagers
32	Renovation Natwar Talab	Gutkupalli	4600058217		31,96,353		Drinking Water	Villagers
33	Civil Works in Kandagarh Gram Panchayat including Roads and Leveling of community land (Nistar)	Kandagarh & Bodajharia	Under Approval				Infrastructure other than road	Villagers
33	Third Party Toilets Audit made under Swachh Vidyalaya Abhiyaan- Janmitram	Kharsia, Gharghoda, Sarangarh Blocks	4600064967		1,30,594	77,050	Others	NTPC
34	Conducting Inter village Cricket Tournament phase 1 Ghutkupali	Ghutkupali	8200313204 8200314013		30,000		Sport & Culture	
12	Waiver of Welcome Kit for PAP girl Child School Kit Estimated Value=3,73,500.	9 villages	8200276125		3,73,500	2,28,500	Education	NTPC
	Conducting Inter village Cricket Tournament Rengalpali	Rengalpali	8200314011		30,000	30,000	Sport & Culture	Villagers

Farmers training	All Villages			59,600				
Jan Sunwayi	Kandagarh, Armuda, Ghutkupali			48,600			Others	
Deposited to Collector For Various CSR CD works of Rs 63,00,000 1.Harijan Maholla CC Road- Machida GP- Kalmi Village 2.Pradip House to Yudhistir house CC Road- Turanga GP- Turanga Village 3.Atal chowk to Gurukul School CC road- Turanga GP- Turanga Village 4.Mahesh Sharma House to Phagun House CC road- Badehardi GP- Badehardi Village 5.Sarathi Mohalla- Sodekela GP- Sodekela Village 6.Dasrathi Meher House to Jagganath Temple - Kathani- GP- Kathani Village 7.Vinod House to Kehar Ram House - Kotasura GP- Kotasura Village 8.Shanilal House to Gautam House - Jakela GP- Jakela Village 9.Main road to Chouhan Mohalla - Siha GP- Siha Village	Machida Turanga Turanga Badehardi Sodekela Kathani Kotasura jakela siha Midmida Rengalnali	4600065135		63,00,000	34,00,000	Infrastructure other than road	MLA Admin	
Paymen to CSPDCL for electric Connection	Armuda Mahloi, Devalsura, Chhapora	4600065200		61,812	61,812	Drinking Water	NTPC	
Deposit work of Collector Raigarh for Construction of Muktidham in various villages of Pussore Tehsil	Pussore tehsil	4600065260		35,49,000	35,49,000	Infrastructure other than road	Admin	
Total				5,18,70,386	1,89,98,566			

NTPC Lara-Proposed CSR/CD Work for the FY 2021-22

S. No.	Description	Village	PO/PR Number	Name of agency	Time period	Spill Over & New proposals 2021-22	Expenditure 2021-22	Balance 2021-22	Category
1	Water distribution network from	9 villages							
A	Armuda	Armuda	4600058518	M/s Gupta	18.11.2019	2,74,335.00	1,95,087	79,248	Drinking Water
B	Bodajharia	Bodajharia	4600058504	M/s Sankhina	18.11.2019	4,21,301.00	0	4,21,301	Drinking Water
C	Devalsura	Devalsura	4600058751	M/s Patel	01.12.2019	5,92,473.00	0	5,92,473	Drinking Water
D	Jhilgitar	Jhilgitar	4600058466	M/s Jayram Panua	11.11.2019	93,822.00	0	93,822	Drinking Water
E	Kandagarh	Kandagarh	4600058519	M/s Vasudev Sao	18.11.2019	6,62,136.00	5,85,320	76,816	Drinking Water
F	Lara	Lara	4600058509	M/s Sandev	18.11.2019	13,13,840.00	0	13,13,840	Drinking Water
G	Mahloi	Mahloi	4600059504	M/s Bhawan	20.01.2020	3,77,890.00	2,65,000	1,12,890	Drinking Water
H	Riyapali	Riyapali	4600058477	M/s Inawat	11.11.2019	3,64,441.00	0	3,64,441	Drinking Water
2	Construction of Over Head Tank in	Bodajharia	5500021507	M/s Mohan Poudar	10.11.2015	21,73,303.00	0	21,73,303	Drinking Water
3	Construction of community toilet in	Armuda	4600063690	M/s Jagdish Saw	20.11.2020	14,24,596.43	0	14,24,596	Toilets
4	Digging of Borewell and water supply	Armuda	4600056934	M/s Gajanan Patel	20.07.2019	1,96,014.00	0	1,96,014	Drinking Water
5	Construction of Cycle Stand in New	Armuda	4600063656	M/s Bhavesh	10.11.2020	2,94,571.51	2,54,133	40,439	Education
7	Construction of Additional Classrooms	Bodajharia	4600060207	M/s Santiev	09.03.2020	14,07,139.00	6,52,734	7,54,405	Education
8	Construction of Devlas In Village:	Bodajharia	5500033571	M/s Santiev	10.07.2019	1,36,237.00	0	1,36,237	Infrastructure
9	Construction of Community centre at	Bodajharia	4600042006	M/s Gupta	22.11.2010	8,76,938.00	0	8,76,938	Infrastructure
10	Digging of 01 no. borewell and	Bodajharia	4600049530	Sarpanch & Sachiv	23.01.2018	1,58,573.00	0	1,58,573	Drinking Water
11	Construction of CC Road from main	Bodajharia	4600065456	M/s Gupta	10.04.2021	22,33,801.00	0	22,33,801	Infrastructure
13	Ground Area Concreting and	Chhapora	4600058715	M/s Tarun Stone	29.11.2019	15,44,762.00	3,67,879	11,76,883	Infrastructure
14	Parking at PHC Chhapora	Chhapora	5500033709	M/s Chandrakumar	23.07.2019	6,24,789.00	0	6,24,789	Infrastructure
15	Renovation Natwar Talab	Gutkupalli	4600058217	M/s Pradnan	28.10.2019	23,47,265.00	0	23,47,265	Drinking Water
17	Construction of mid-day meal shed in	Kandagarh	4600064557	M/s Gopinath Sao	20.01.2021	7,91,715.66	0	7,91,716	Drinking Water
18	Construction of boundary wall with	Lara	4600043922	M/s Parmeshwar	07.03.2017	12,68,395.00	0	12,68,395	Infrastructure
19	Renovation of Mandir Talab	Lara	4600060232	M/s Parmeshwar	10.03.2020	27,50,775.00	0	27,50,775	Drinking Water
20	Construction of Bathing Ghat at	Thengapali	4600061504	M/s Tapaswi	01.06.2020	6,00,518.00	5,64,887	35,631	Infrastructure
21	Tuition Fees Reimbursement for		8200320779	Sambhunath		3,36,000.00	3,36,000	0	Education
22	waiver or welcome kit for PAF girl	9 villages	8200276125	M/s Siree		0	0	0	Education
23	Mobile Medical Van Services for	25 Villages	4600057457	M/s Hindustan Latex	01.10.2019	1,12,46,769.00	50,27,816	62,18,953	Health
24	Conducting SIE and NAS for NTPC	M/s IICA	4600063185	M/s Indian Institute of	20.11.2020	11,24,500.00	0	11,24,500	Others
25	Deposit work to CSR fund of Conector-	Pussore	4600065135	Distric Collector		29,00,000.00	0	29,00,000	Toilet & Road
26	Construction of community toilet in	Pussore	4600062662	M/s S B	24.08.2020	31,78,110.98	0	31,78,111	Toilets
27	Third Party Honors Audit Prepare	Kharsia	4600064967	M/s Janniram	30.01.2021	1,30,594.00	1,30,594	0	Infrastructure
29	Distribution of Blankets amongst	Chhapora	4600063824	M/s Ramkishan	22.01.2021	65,142.00	65,142.00	0	Others
30	Electricity connection for 02 villages,	Raigarh	4600066516	Agrowal		71,340.00	71,340	0	Drinking water
31	Jhilgitar & Kandagarh (OHT)	Jhilgitar	4600066856	CSPDCL Raigarh		60,000.00	60,000	0	Training
32	Training to farmers	Kandagarh				48,600.00	10,916	37,684	Training
34	Drinking Water through Pyau	11 villages							
A	Mahloi	Armuda	4600065612	M/s Gram Panchayat, Mahloi		1,60,439.00	1,60,439	0	Drinking Water
B		Mahloi		(VC:1111161)					Drinking Water
C	Kandagarh	Bodajharia	4600065616	M/s Gram Panchayat, Kandagarh		1,63,428.00		1,63,428	Drinking Water
D		Kandagarh		(VC: 1110221)					Drinking Water
E	Chhapora	Chhapora	4600065613	M/s Gram Panchayat, Chhapora	15.04.2021	1,63,428.00		1,63,428	Drinking Water
F	Devalsura	Devalsura	4600065614	M/s Gram Panchayat, Devalsura	till	81,714.00		81,714	Drinking Water
I	Lohakhan	Jhilgitar	4600065615	M/s Gram Panchayat, Lohakhan	14.07.2021	81,714.00		81,714	Drinking Water
J	Lara	Lara	4600065617	M/s Gram Panchayat, Lara		78,725.00	78,725	0	Drinking Water
K	Ghutkupalli	Ghutkupalli	4600065618	M/s Gram Panchayat, Ghutkupalli		1,63,428.00		1,63,428.00	Drinking Water
L	Riyapali	Riyapali		(VC: 1143822)					Drinking Water

M	Rengalpali	Thengapali	4600065619	M/s Gram Panchayat, Rengalpali		78,725.00	78725	0.00	Drinking water
35	Drinking Water through Water	11 villages						0.00	
A	Armuda	Armuda	4600065713	M/s Binuvistnapi Kalyan Samiti		1,48,590.00	116890	31,700.00	Drinking
B	Bodajharia	Bodajharia	4600065714	M/s Panda Construction		1,48,590.00		1,48,590.00	Drinking
C	Chhapora	Chhapora	4600065718	M/s Neelan		1,48,590.00		1,48,590.00	Drinking
D	Dewalsurra	Dewalsurra	4600065719	M/s Anand Construction		1,48,590.00	116890	31,700.00	Drinking
E	Ghutkupali	Ghutkupali	4600065726	M/s Gotraing Sao (VC:1100310)	26.04.2021 till	1,48,590.00		1,48,590.00	Drinking
F	Jhilgitar	Jhilgitar	4600065720	M/s Binवेशन Construction	25.07.2021	1,48,590.00	116890	31,700.00	Drinking
I	Kandagarh	Kandagarh	4600065721	M/s Binवेशन Construction		1,48,590.00	116890	31,700.00	Drinking
J	Lara	Lara	4600065722	M/s Bui Construction		1,48,590.00		1,48,590.00	Drinking
K	Mahloi	Mahloi	4600065724	M/s Pradhan Construction		1,48,590.00	116890	31,700.00	Drinking
L	Riyapali	Riyapali	4600065725	M/s Pradhan Construction		1,48,590.00		1,48,590.00	Drinking
M	Thengapali	Thengapali	4600065729	M/s Tapasiw Construction		1,48,590.00		1,48,590.00	Drinking water
36	Financial Assistance to Collector-	Raigarh	4600065851	Collector Raigarh		8,00,000.00	8,00,000.00	0.00	Health
37	Financial Assistance to Collector-	Raigarh	4600065852	Collector Raigarh		8,00,000.00	8,00,000.00	0.00	Health
38	Procurement of face masks for all 9 villages	Raigarh	4600065865	Collector Raigarh & contract (VC:110700)		2,40,000.00	2,40,000.00	0.00	Health
39	Providing financial assistance to	Raigarh	4600065998	Collector Raigarh		8,00,000.00	8,00,000.00	0.00	Health
40	Furniture's for Rengalpali Gram	Rengalpali	4600065988	M/s Gram Panchayat, Rengalpali		34,700.00	34,700.00	0.00	Others
41	Cleaning of pond through Gram	Rengalpali	4600066021	M/s Gram Panchayat, Rengalpali	17.05.2021	30,000.00	30,000.00	0.00	Others
42	Construction of Welcome Gate	Dewalsurra	4600066041	M/s Gram Panchayat, Dewalsurra	17.05.2021	4,50,000.00	2,25,000.00	2,25,000.00	Infrastructure
43	Construction of Welcome Gate	Jhilgitar	4600066044	M/s Gram Panchayat, Jhilgitar	17.05.2021	4,50,000.00	2,25,000.00	2,25,000.00	Infrastructure
44	Cleaning and minor repair works for	Bodajharia	4600066407	M/s Gram Panchayat, Bodajharia	07.06.2021	2,22,061.20	88,824.00	1,33,237.20	Drinking
45	Cleaning and minor repair works in	Ghutkupali	4600066406	M/s Gram Panchayat, Ghutkupali	07.06.2021	1,32,753.25	53,000.00	79,753.25	Drinking
46	Cleaning of pond through Gram	Jhilgitar	4600066409	M/s Gram Panchayat, Jhilgitar	07.06.2021	30,000.00	30,000.00	0.00	Drinking
47	Cleaning of pond through Gram	Armuda	4600066503	M/s Gram Panchayat, Armuda	14.06.2021	30,000.00		30,000.00	Drinking
48	Construction of Welcome Gate	Thengapali	4600066783	M/s Gram Panchayat, Thengapali	03.06.2021	4,50,000.00	2,25,000.00	2,25,000.00	Infrastructure
49	Conducting COVID19 vaccination for	All Villages	4600066379	M/S P.P. JINDAL HOSPITAL & RESEARCH	10.06.2021	17,00,000.00	1,49,250.00	15,50,750.00	Health
50	Deposit work for re-constructions of	Lara	4600067440	M/s Gram Panchayat, Lara	10.09.2021	1,75,511.62	70,204.00	1,05,307.62	Sanitation &
51	Assistance for 37th Chakradhar	Raigarh	4600067562	M/s Dist Administration		1,00,000.00	1,00,000.00	0.00	Others
52	Construction of Welcome Gate in Vill:	Ghutkupali	4600067816	M/s Gram Panchayat, Ghutkupali	01.11.2021	4,50,000.00	2,25,000.00	2,25,000.00	Infrastructure
53	Conduct of Inter-Village volleyball	Lara	4600067960	Lara(VC:1101821)		22,000.00	22,000.00	0.00	Sports &
54	Conduct of Inter-Village volleyball	Raigarh	4600067566	M/s Dist Administration		29,430.00	29,430.00	0.00	Sports & Culture
55	Approval for providing Park Items for		Items are procured from GEM	M/s Dist Administration		1,72,838.22	1,72,838.22	0.00	Others
56	Digging of Bore well and installation of		4600068093			1,43,807.00	0.00	1,43,807.00	Infrastructure
57	Providing 25% concession in tuition		4600067796			2,25,750.00	2,25,750.00	0.00	Education
58	Reimbursement of welcome pack		4600067737			1,55,900.00	1,55,900.00	0.00	Education
59	Electrical Metre Connection for 02		Staff Advance			27,906.00		27,906.00	
60	Financial Assistance to District	Raigarh	4600068368			50,00,000	2500000	25,00,000.00	Education
61	Construction of Overhead tanks for	All Villages	5500021507	M/s Monan Poddar (VC:1102882)			4355749	0.00	Drinking
62	Nistari Land Demarcation Boards at	All villages	4600068568	M/s Binवेशन Construction	23.12.2021 till	1,28,450	0	1,28,450.00	Infrastructure
63	Supporting education 30 number girl	All Villages	4600068790			6,12,600.00			Education
						5,73,69,434.87	2,09,86,831.82	4,07,38,352.05	
63	Renovation of Devlas Talab and	Dewalsurra		M/s Gram Panchayat, Dewalsurra		10,32,000.00			
64	Land filling in front of Govt. School at	Dewalsurra		M/s Gram Panchayat, Dewalsurra		4,66,000.00			
65	RCC Road & Drain Construction	Chhapora		M/s Gram Panchayat, Chhapora		6,42,000.00			
66	Laying of Inter-locking bricks in front	Chhapora		M/s Gram Panchayat, Chhapora		3,23,000.00			
67	Land Filling in front of Chhapora	Chhapora		M/s Gram Panchayat, Chhapora		4,34,000.00			
68	Construction of Samudayik Bhawan	Kandagarh		M/s Gram Panchayat, Kandagarh		7,99,000.00			
69	Repairing of bund and construction of	Kandagarh		M/s Gram Panchayat, Kandagarh		5,90,000.00			
70	Construction of Muktidham	Jhilgitar		M/s Gram Panchayat, Jhilgitar		6,65,000.00			

71	Construction of Muktidham	Lara		M/s Gram Panchayat, Lara	6,65,000.00
72	Construction of Drain in Dipapara	Lara		M/s Gram Panchayat, Lara	12,00,000.00
73	Cleaning & repairing of Kanta Talab	Ghutkupali		M/s Gram Panchayat, Ghutkupali	8,00,000.00
74	In-principle approval for construction			M/s Gram Panchayat, Lehakhon	12,00,000.00
75	CD works as desired by Sh. Umesh				22,00,000.00
76	Works as told by MP-Raigarh				20,00,000.00
					12,84,95,919.74

NTPC Lara- CD Works for the FY 2022-23

S. No.	Description	Village	Expenditure 2022-23	Category
1	Water distribution network from water tank to villages	9 villages		
A	Armuda	Armuda	1,95,087.00	Drinking Water
B	Kandagarh	Kandagarh	5,85,320.00	Drinking Water
C	Mahloi	Mahloi	2,65,000.00	Drinking Water
2	Construction of Additional Classrooms and Toilets in Govt Primary School	Bodajharia	6,52,734.00	Education
3	Mobile Medical Van Services for villages	25 Villages	8,47,184.00	Health
4	Construction of community toilet in Bus Stand & Hospital at Pussore	Pussore Tehsil	3,97,412.00	Toilets
5	Depositing Rs. 50 lacs for procurement of furniture for Government schools through District Administration-Raigarh	Raigarh	25,00,000.00	Education
6	Construction of 500m CC Road from Junadih to Jiladi Road	Bonda	12,50,800.00	Road
7	Construction of 300 m CC Road at village Kathli	Kathli		Road
8	Construction of Welcome Gate	Thengapali	2,25,000.00	Infrastructure other than road
9	Construction of Welcome Gate	Dewalsurra	2,25,000.00	Infrastructure other than road
10	Renovation of Devlas Talab and construction of Pachri at Darripali, Panchayat:Dewalsurra	Dewalsurra	8,52,432.00	Drinking Water
11	Land filling in front of Govt. School at Darripali, GP Dewalsurra	Dewalsurra	3,84,916.00	Infrastructure other than road
12	Construction of Welcome Gate	Jhilgitar	2,25,000.00	Infrastructure other than road
13	In-principle approval for construction of village approach road in Vill: Jhilgitar.	Jhilgitar	12,88,560.00	Road
14	Cleaning and minor repair works for Chandan Talab in Bodajharia Village	Bodajharia	88,824.00	Drinking Water
15	Construction of Sanskritik Bhavan at Vill: Kandagarh through Gram Panchayat-Kandagarh	Kandagarh	3,77,128.00	Infrastructure other than road

16	Construction of Safety wall and bund repairing at Neelsagar Talab through Gram Panchayat-Kandagarh	Kandagarh	2,78,480.00	Infrastructure other than road
17	Cleaning and minor repair works in Nistari Talab for Ghutkupali Village	Ghutkupali	53,000.00	Drinking Water
18	Construction of Welcome Gate in Vill: Riyapali	Riyapali	2,25,000.00	Infrastructure other than road
19	Cleaning & repairing of Kanta Talab	Riyapali	3,78,400.00	Drinking Water
20	Fencing around land allocated to Indira Awas beneficiaries at Village: Armuda	Armuda	96,500.64	Infrastructure other than road
21	Land Filling In front of Community Centre Armuda under deposit work through Gram Panchayat, Mahloi	Armuda	4,98,904.00	Infrastructure other than road
22	Construction of Girls Toilet at Govt Higher Secondary School Mahloi.	Mahloi	1,86,404.00	Sanitation & Toilet
23	Deposit work for re-constructions of drain in Lara Village.	Lara	1,37,480.16	Sanitation & Toilet
24	Chain link fencing and gate in Gouthan	Lara	4,30,346.00	Infrastructure other than road
25	Construction of Drain in Dipapara (Western)	Lara	9,35,858.00	Infrastructure other than road
26	Construction of CC road from Bich Basti to Talab at Vill: Chhapora	Chhapora	4,00,000.00	Road
27	Construction of CC road from Chhapora Village to NTPC township road through Gram Panchayat-Chhapora	Chhapora	4,00,000.00	Road
28	Financial Assistance for CM Suposhan Yojana at Raigarh District	Raigarh	1,00,00,000.00	Health
29	Renovation of CHC Pussore	Raigarh	1,05,60,000.00	Health
Total			3,19,98,032.80	

NTPC Lara- CD Works for the FY 2022-23

S. No.	Description	Village	Expenditure 2022-23	Category
1	Water distribution network from water tank to villages	9 villages		
A	Armuda	Armuda	1,95,087.00	Drinking Water
B	Kandagarh	Kandagarh	5,85,320.00	Drinking Water
C	Mahloi	Mahloi	2,65,000.00	Drinking Water
2	Construction of Additional Classrooms and Toilets in Govt Primary School	Bodajharia	6,52,734.00	Education
3	Mobile Medical Van Services for villages	25 Villages	8,47,184.00	Health
4	Construction of community toilet in Bus Stand & Hospital at Pussore	Pussore Tehsil	3,97,412.00	Toilets
5	Depositing Rs. 50 lacs for procurement of furniture for Government schools through District Administration-Raigarh	Raigarh	25,00,000.00	Education
6	Construction of 500m CC Road from Junadih to Jiladi Road	Bonda	12,50,800.00	Road
7	Construction of 300 m CC Road at village Kathli	Kathli		Road
8	Construction of Welcome Gate	Thengapali	2,25,000.00	Infrastructure other than road
9	Construction of Welcome Gate	Dewalsurra	2,25,000.00	Infrastructure other than road
10	Renovation of Devlas Talab and construction of Pachri at Darripali, Panchayat:Dewalsurra	Dewalsurra	8,52,432.00	Drinking Water
11	Land filling in front of Govt. School at Darripali, GP Dewalsurra	Dewalsurra	3,84,916.00	Infrastructure other than road
12	Construction of Welcome Gate	Jhilgitar	2,25,000.00	Infrastructure other than road
13	In-principle approval for construction of village approach road in Vill: Jhilgitar.	Jhilgitar	12,88,560.00	Road
14	Cleaning and minor repair works for Chandan Talab in Bodajharia Village	Bodajharia	88,824.00	Drinking Water

15	Construction of Sanskritik Bhavan at Vill: Kandagarh through Gram Panchayat-Kandagarh	Kandagarh	3,77,128.00	Infrastructure other than road
16	Construction of Safety wall and bund repairing at Neelsagar Talab through Gram Panchayat-Kandagarh	Kandagarh	2,78,480.00	Infrastructure other than road
17	Cleaning and minor repair works in Nistari Talab for Ghutkupali Village	Ghutkupali	53,000.00	Drinking Water
18	Construction of Welcome Gate in Vill: Riyapali	Riyapali	2,25,000.00	Infrastructure other than road
19	Cleaning & repairing of Kanta Talab	Riyapali	3,78,400.00	Drinking Water
20	Fencing around land allocated to Indira Awas beneficiaries at Village: Armuda	Armuda	96,500.64	Infrastructure other than road
21	Land Filling In front of Community Centre Armuda under deposit work through Gram Panchayat, Mahloi	Armuda	4,98,904.00	Infrastructure other than road
22	Construction of Girls Toilet at Govt Higher Secondary School Mahloi.	Mahloi	1,86,404.00	Sanitation & Toilet
23	Deposit work for re-constructions of drain in Lara Village.	Lara	1,37,480.16	Sanitation & Toilet
24	Chain link fencing and gate in Gouthan	Lara	4,30,346.00	Infrastructure other than road
25	Construction of Drain in Dipapara (Western)	Lara	9,35,858.00	Infrastructure other than road
26	Construction of CC road from Bich Basti to Talab at Vill: Chhapora	Chhapora	4,00,000.00	Road
27	Construction of CC road from Chhapora Village to NTPC township road through Gram Panchayat-Chhapora	Chhapora	4,00,000.00	Road
28	Financial Assistance for CM Suposhan Yojana at Raigarh District	Raigarh	1,00,00,000.00	Health
29	Renovation of CHC Pussore	Raigarh	1,05,60,000.00	Health
Total			3,19,98,032.80	

Initiatives on water conservation and ground water charging

Sr. No.	Village	Name of work	Status	Awarded value	Remarks
<u>Completed Works</u>					
1	Chhapora	Deepening of Mura Pond for Village Chhapora.	Work completed	14,03,424.76	
2	Chhapora	Deepening of Bamanmaura Pond for Village Chhapora.	Work completed	5,75,270.43	
3	Chhapora	Renovation and Beautification of Pond-1 at Village Chhapora	Work completed	6,69,027.79	
4	Chhapora	Renovation and Beautification of Pond#2 at Chhapora Village.	Work completed	6,92,074.31	
5	Devalsurra	Re-Excavation of Pond (Naya Talab; Dabri Talab)	Work completed	12,13,713.72	
6	Mehloi	Re-Excavation of Pond (Marghat)	Work in progress	14,28,713.85	
7	Mehloi	Re-Excavation of Pond (Purena Talab)pachri Nirman	work completed	3,21,720.12	
8	Bodajhariya	Re-Excavation of Pond (Chandan Talab)	Work completed	15,69,385.55	
9	Kandagarh	Re-Excavation of Pond (Nilsagar Talab)	Work completed	11,31,593.34	
10	Kandagarh	Construction of two nos new ponds at village-Kandagarh.	Work completed	12,87,435.64	
11	Jhilgitar	Re-Excavation of Pond (Imlitar Talab)	Work completed	20,12,137.21	
12	Lara	Re-Excavation of Pond (Bandhali talab)	Work completed	16,74,233.00	
13	Lara	Deepening & Beautification of Sarakmunda Nistari Pond at Village Lara.	Work completed	20,04,691.56	
14	Lara	Deepening & Beautification of Mandir Talab for Village Lara	Awarded	28,59,124.00	WIP (Excavation/Cleanini ng completed)

Compliance statement of Pt No 8(i) as per letter Dated 14.01.2020

Period 01.04.2022-30.09.2022

Route Talaipali-Gharghoda-Lara
Mode- Road
Length of Route 75 km
Daily Average 1619.46 TPD

NTPC TALAIPALI

SI. NO.	Dispatch Date	Qty	Nos of Truck
1	01-04-2022	30.53	1
2	02-04-2022	0	0
3	03-04-2022	154.64	5
4	04-04-2022	155.79	5
5	05-04-2022	0	0
6	06-04-2022	32.04	1
7	07-04-2022	0	0
8	08-04-2022	404.09	13
9	09-04-2022	186.49	6
10	10-04-2022	308.09	10
11	11-04-2022	0	0
12	12-04-2022	486.77	16
13	13-04-2022	0	0
14	14-04-2022	0	0
15	15-04-2022	0	0
16	16-04-2022	0	0
17	17-04-2022	0.00	0
18	18-04-2022	0.00	0
19	19-04-2022	0.00	0
20	20-04-2022	60.43	2
21	21-04-2022	121.41	4
22	22-04-2022	285.65	9
23	23-04-2022	91.66	3
24	24-04-2022	376.83	12
25	25-04-2022	315.03	10
26	26-04-2022	413.96	13
27	27-04-2022	437.94	14
28	28-04-2022	321.33	10
29	29-04-2022	496.75	16
30	30-04-2022	347.33	11
31	01-05-2022	348.13	11
32	02-05-2022	154.95	5
33	03-05-2022	186.39	6
34	04-05-2022	162.63	5

35	05-05-2022	473.15	15
36	06-05-2022	282.73	9
37	07-05-2022	350.49	11
38	08-05-2022	155.22	5
39	09-05-2022	153.84	5
40	10-05-2022	0.00	0
41	11-05-2022	29.59	1
42	12-05-2022	0.00	0
43	13-05-2022	281.55	9
44	14-05-2022	401.04	13
45	15-05-2022	156.36	5
46	16-05-2022	658.73	21
47	17-05-2022	782.09	25
48	18-05-2022	584.43	17
49	19-05-2022	896.11	26
50	20-05-2022	1391.01	42
51	21-05-2022	1581.34	46
52	22-05-2022	1398.90	41
53	23-05-2022	1931.00	58
54	24-05-2022	1920.45	58
55	25-05-2022	1774.16	52
56	26-05-2022	2523.70	74
57	27-05-2022	2877.59	84
58	28-05-2022	996.07	30
59	29-05-2022	2713.54	79
60	30-05-2022	2615.36	76
61	31-05-2022	2560.66	77
62	01-06-2022	2045.430	60
63	02-06-2022	2447.570	73
64	03-06-2022	2776.750	86
65	04-06-2022	2193.460	67
66	05-06-2022	2690.640	82
67	06-06-2022	3360.550	100
68	07-06-2022	2858.980	81
69	08-06-2022	2799.100	82
70	09-06-2022	2665.000	77
71	10-06-2022	3475.360	102
72	11-06-2022	3325.930	98
73	12-06-2022	3397.150	102
74	13-06-2022	2754.100	85
75	14-06-2022	2539.660	77
76	15-06-2022	3981.240	121
77	16-06-2022	3607.040	111
78	17-06-2022	3733.720	112
79	18-06-2022	3310.210	101
80	19-06-2022	1887.110	58
81	20-06-2022	2351.320	74

82	21-06-2022	4093.350	127
83	22-06-2022	3575.260	111
84	23-06-2022	2625.010	80
85	24-06-2022	2210.380	67
86	25-06-2022	2268.680	69
87	26-06-2022	2949.580	91
88	27-06-2022	2805.440	85
89	28-06-2022	3217.670	99
90	29-06-2022	3511.230	107
91	30-06-2022	2711.470	85
92	01-07-2022	2917.670	89
93	02-07-2022	3598.370	111
94	03-07-2022	3344.840	102
95	04-07-2022	4257.990	131
96	05-07-2022	3622.590	111
97	06-07-2022	3949.430	122
98	07-07-2022	3266.550	101
99	08-07-2022	4021.220	124
100	09-07-2022	3799.480	117
101	10-07-2022	2775.110	87
102	11-07-2022	3267.400	100
103	12-07-2022	3310.940	104
104	13-07-2022	4203.510	131
105	14-07-2022	1179.900	37
106	15-07-2022	1142.100	37
107	16-07-2022	1105.100	35
108	17-07-2022	1317.680	42
109	18-07-2022	1200.420	38
110	19-07-2022	1841.450	59
111	20-07-2022	2106.800	67
112	21-07-2022	1532.890	49
113	22-07-2022	1447.650	47
114	23-07-2022	2105.960	67
115	24-07-2022	2336.810	74
116	25-07-2022	1608.850	51
117	26-07-2022	1072.620	35
118	27-07-2022	1642.570	52
119	28-07-2022	1935.220	62
120	29-07-2022	2339.38	74
121	30-07-2022	2508.56	79
122	31-07-2022	2043.980	65
123	01-08-2022	1796.920	56
124	02-08-2022	2104.530	65
125	03-08-2022	2571.890	81
126	04-08-2022	3007.700	95
127	05-08-2022	3218.740	102
128	06-08-2022	3290.800	104

129	07-08-2022	3502.740	110
130	08-08-2022	1664.860	52
131	09-08-2022	3641.340	114
132	10-08-2022	2548.10	80
133	11-08-2022	1833.11	57
134	12-08-2022	2352.970	74
135	13-08-2022	1938.430	60
136	14-08-2022	692.320	22
137	15-08-2022	957.520	29
138	16-08-2022	1584.720	49
139	17-08-2022	1873.240	57
140	18-08-2022	875.120	28
141	19-08-2022	1176.100	37
142	20-08-2022	403.870	13
143	21-08-2022	1933.350	61
144	22-08-2022	1204.030	38
145	23-08-2022	1897.620	58
146	24-08-2022	1404.730	45
147	25-08-2022	2819.440	83
148	26-08-2022	3042.450	91
149	27-08-2022	3393.01	97
150	28-08-2022	3591.78	108
151	29-08-2022	1016.43	31
152	30-08-2022	1628.48	50
153	31-08-2022	1959.69	60
154	01-09-2022	2142.9	65
155	02-09-2022	1910.92	58
156	03-09-2022	2499.33	76
157	04-09-2022	1837.08	55
158	05-09-2022	1211.88	36
159	06-09-2022	853.64	27
160	07-09-2022	1346.7	41
161	08-09-2022	943.01	27
162	09-09-2022	1391.83	42
163	10-09-2022	1795.98	54
164	11-09-2022	1257.28	37
165	12-09-2022	809.85	25
166	13-09-2022	1116.14	33
167	14-09-2022	1084.59	33
168	15-09-2022	1270.07	38
169	16-09-2022	925.14	28
170	17-09-2022	154.16	5
171	18-09-2022	1132.93	35
172	19-09-2022	1799	54
173	20-09-2022	838	25
174	21-09-2022	443.9	14
175	22-09-2022	1686.45	52

176	23-09-2022	743.32	23
177	24-09-2022	967.82	29
178	25-09-2022	932.96	30
179	26-09-2022	0	0
180	27-09-2022	0.00	0
181	28-09-2022	0	0
182	29-09-2022	0	0
183	30-09-2022	0.00	0
	TOTAL	296360.31	9086

Compliance statement of Pt No 8(i) as per letter Dated 14.01.2020

Period 01.04.2022-30.09.2022

Route Talabira-Jharsaguda-Brajrajnagar-Kanaktura-Lara
Mode- Road
Length of Route 95 km
Daily Average 6523.25 TPD

NLC TALABIRA

SI. NO.	Dispatch Date	Qty	Nos of Truck
1	01-04-2022	6637.61	211
2	02-04-2022	8186.51	259
3	03-04-2022	5177.24	164
4	04-04-2022	6421.41	202
5	05-04-2022	7228.15	225
6	06-04-2022	6275.67	196
7	07-04-2022	4315.65	136
8	08-04-2022	7572.17	236
9	09-04-2022	8052.65	250
10	10-04-2022	8110.37	250
11	11-04-2022	4596.86	145
12	12-04-2022	4498.06	138
13	13-04-2022	3569.73	111
14	14-04-2022	2933.54	92
15	15-04-2022	2702.96	86
16	16-04-2022	7317.7	228
17	17-04-2022	8291.93	256
18	18-04-2022	7210.67	224
19	19-04-2022	7797.37	236
20	20-04-2022	5884.58	179
21	21-04-2022	8476.92	261
22	22-04-2022	5835.53	176
23	23-04-2022	6146.59	189
24	24-04-2022	5645.02	173
25	25-04-2022	8011.68	246
26	26-04-2022	5163.58	160
27	27-04-2022	7848.37	239
28	28-04-2022	7550.65	229
29	29-04-2022	7104.37	220
30	30-04-2022	7772.39	237
31	01-05-2022	7152.7	219
32	02-05-2022	7509.90	230
33	03-05-2022	6180.73	194
34	04-05-2022	5575.68	175

35	05-05-2022	6688.51	212
36	06-05-2022	3255.66	103
37	07-05-2022	6065.22	192
38	08-05-2022	5892.95	185
39	09-05-2022	6669.55	209
40	10-05-2022	6527.37	206
41	11-05-2022	6678.28	210
42	12-05-2022	7535.70	238
43	13-05-2022	6598.02	209
44	14-05-2022	6823.05	215
45	15-05-2022	6720.57	209
46	16-05-2022	1866.14	60
47	17-05-2022	9176.56	288
48	18-05-2022	5973.58	189
49	19-05-2022	7680.96	243
50	20-05-2022	6278.33	200
51	21-05-2022	4850.71	154
52	22-05-2022	4071.89	128
53	23-05-2022	5871.63	184
54	24-05-2022	7579.57	237
55	25-05-2022	6813.72	210
56	26-05-2022	7270.28	227
57	27-05-2022	8113.60	252
58	28-05-2022	8379.96	259
59	29-05-2022	6488.61	200
60	30-05-2022	8086.50	250
61	31-05-2022	8107.31	251
62	01-06-2022	9981.260	312
63	02-06-2022	7789.270	241
64	03-06-2022	9466.080	294
65	04-06-2022	9072.880	284
66	05-06-2022	9356.540	291
67	06-06-2022	8488.880	263
68	07-06-2022	8961.040	278
69	08-06-2022	8595.520	268
70	09-06-2022	8209.330	254
71	10-06-2022	6948.380	216
72	11-06-2022	7667.910	238
73	12-06-2022	8518.280	262
74	13-06-2022	8320.030	258
75	14-06-2022	5248.100	164

76	15-06-2022	10193.740	317
77	16-06-2022	7771.410	241
78	17-06-2022	7426.510	231
79	18-06-2022	5615.460	174
80	19-06-2022	3246.510	100
81	20-06-2022	3702.190	115
82	21-06-2022	7979.830	249
83	22-06-2022	6030.690	187
84	23-06-2022	5603.250	175
85	24-06-2022	3760.470	116
86	25-06-2022	5819.700	182
87	26-06-2022	5350.040	167
88	27-06-2022	5184.240	161
89	28-06-2022	6008.650	187
90	29-06-2022	8488.650	263
91	30-06-2022	6968.870	218
92	01-07-2022	5209.630	163
93	02-07-2022	6784.890	210
94	03-07-2022	4992.940	156
95	04-07-2022	6080.230	190
96	05-07-2022	6955.400	219
97	06-07-2022	6927.810	216
98	07-07-2022	1010.250	32
99	08-07-2022	5650.280	178
100	09-07-2022	5535.650	170
101	10-07-2022	5596.970	175
102	11-07-2022	6389.120	199
103	12-07-2022	8137.190	248
104	13-07-2022	8404.180	258
105	14-07-2022	3917.150	120
106	15-07-2022	4357.900	136
107	16-07-2022	4648.930	140
108	17-07-2022	9342.590	286
109	18-07-2022	9692.580	295
110	19-07-2022	5100.700	156
111	20-07-2022	14494.490	440
112	21-07-2022	5389.400	164
113	22-07-2022	6444.960	195
114	23-07-2022	7017.310	213

115	24-07-2022	8030.020	238
116	25-07-2022	8799.740	268
117	26-07-2022	5480.850	167
118	27-07-2022	7018.870	214
119	28-07-2022	5601.030	173
120	29-07-2022	8288.84	249
121	30-07-2022	11408.71	346
122	31-07-2022	6529.840	198
123	01-08-2022	5168.590	157
124	02-08-2022	6629.260	209
125	03-08-2022	9274.020	285
126	04-08-2022	6537.380	204
127	05-08-2022	6236.550	198
128	06-08-2022	7439.960	235
129	07-08-2022	7120.220	225
130	08-08-2022	6730.720	211
131	09-08-2022	5836.330	186
132	10-08-2022	5203.82	163
133	11-08-2022	2431.03	77
134	12-08-2022	5837.930	183
135	13-08-2022	7440.090	234
136	14-08-2022	4535.520	143
137	15-08-2022	5939.080	177
138	16-08-2022	7609.870	225
139	17-08-2022	9524.500	281
140	18-08-2022	6824.170	202
141	19-08-2022	3767.180	111
142	20-08-2022	898.470	27
143	21-08-2022	4961.770	145
144	22-08-2022	8898.990	270
145	23-08-2022	5195.410	159
146	24-08-2022	4747.360	145
147	25-08-2022	5532.450	168
148	26-08-2022	4420.990	133
149	27-08-2022	7976.98	243
150	28-08-2022	7826.41	236
151	29-08-2022	2907.41	90
152	30-08-2022	6193.49	191
153	31-08-2022	7693.71	228
154	01-09-2022	5256.64	162
155	02-09-2022	9047.13	277
156	03-09-2022	8277.03	249
157	04-09-2022	8108.54	245
158	05-09-2022	8901.19	267
159	06-09-2022	8488.6	255
160	07-09-2022	7932.88	237
161	08-09-2022	9599.63	292



Certificate Tracking ID / CTID : 2203061 (Amendment-1)
Date of Issue / DOI : 27-Sep-2022
Certificate Serial No. / CSN : ULR-TC666522000001982F



TC-6665



RADIOACTIVITY TEST CERTIFICATE

Ref : BRIT/RAL/DOM/498-509/MISC/433-444/22-23

To :
M/S. NTPC LTD (LARA)
1047 LARA SUPER THERMAL POWER PROJECT
VILLAGE. CHHAPORA, PO PUSSORE,
DIST.RAIGARH, C.G. PIN 496440

This is regarding the sample of "COAL, BOTTOM ASH & FLY ASH" sent for radioactivity analysis vide your letter ref. no. LARA/O&M/CHEM/2160 dated 16.07.2022 with the following details as shown in italics:

Sr. No	NAME OF THE SAMPLE	SAMPLE I.D.	DATE OF SAMPLING	TOTAL BULK QUANTITY FROM WHICH SAMPLE IS DRAWN
1	COAL SAMPLE	ICNL-33/202223	05/06/2022	218 GM
2	BOTTOM ASH	COMPOSITE SAMPLE OF U # 1 & 2	13/07/2022	271 GM
3	FLY ASH	COMPOSITE SAMPLE OF U # 1 & 2	13/07/2022	270 GM

DATE OF RECEIPT OF SAMPLE: 28.07.2022

DATE OF COMPLETION OF TEST: 07.09.2022

The samples were analysed for U-238, Th-232, Ra-226 and K-40 radioactivity content by HPGe gamma spectrometry and the values obtained are as follows:

Sr. No	SAMPLE	U-238 (Bq/Kg)	Th-232 (Bq/Kg)	Ra-226 (Bq/Kg)	K-40(Bq/Kg)
1	COAL SAMPLE	6 ± 0.8	4.4 ± 0.4	13.9 ± 1.7	MDL 6.1
2	BOTTOM ASH	64.2 ± 2.1	100.3 ± 13.8	68.1 ± 5.2	159 ± 10.3
3	FLY ASH	77.3 ± 2.5	101.7 ± 10.3	71.9 ± 5.4	204.4 ± 12.3

Opinion: The measurement values are below the clearance level for radionuclides of natural origin in bulk solid materials, as per AERB directive 01/2010 (table-3) dated 26/11/2010.

Note: (i) The report pertains to the given sample only. (ii) The sample will be retained in this laboratory for a period of 3 months from certificate date and thereafter it will be disposed off. (iii) This report shall not be reproduced except in full, without written approval of the laboratory. (iv) The sampling is not done by this laboratory.

Checked by:
SUMAN C
Assistant

Authorized Signatory:
AJAY NANA THAMKE
OIC, RAL

Amendment Note: This certificate is an "Amendment-1" of certificate issued earlier bearing CTID "2202940" dated "16-Sep-2022" and Certificate Serial No. / CSN "ULR-TC666522000001982F"

***** End of Report *****

1/1

The authenticity of this certificate is verifiable. Please scan the QR code using a QR scanning application on any mobile devices. Upon redirection you must enter the necessary information in landing page <https://eportal.britatom.gov.in>. We will then revert you back with a digital copy of the certificate in your verified e-mail ID. In accordance to IT Act 2000 (21 of 2000), this document is generated electronically through a validated s/w and need no physical/ digital signature(s).





Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

Phone : 91-8319914473 Email: mahabalcg@gmail.com

Test Report

Report No.: ME-CG02543-220819-FA-NTPC-RAIGARH	Date: 19.08.2022		
Name and address of Customer	NTPC LIMITED Lara Super Thermal Power Station Village-Chhapora, PO/PS-Pussore Raigarh, Chattisgarh-496440.	Order Reference	
		PO.No.4000264471-037-1047 Dtd.23.09.2021 (version: 0)	
Sample Description/Type	Fly Ash	Sample Collected by	Laboratory
Sampling Location	NTPC LARA Plant	Sample Quantity/Packing	2kg X 1 No. Polythene Bag
Date of Sampling	10.08.2022	Date of Receipt of Sample	11.08.2022
Sampling Procedure	CPCB (HW) manual, sec. 2.3, Page No. 6		
Date of Start of Analysis	11.08.2022	Date of Completion of Analysis	18.08.2022

Sr. No.	Parameter	Unit	Result	Method Reference
1	Total Arsenic (as As)	mg/kg	BDL (DL:0.3)	ASTM-D 6357
2	Total Cadmium (as Cd)	mg/kg	BDL (DL:2)	ASTM-D 6357
3	Total Chromium (as Cr)	mg/kg	16.8	ASTM-D 6357
4	Total Copper (as Cu)	mg/kg	34.7	ASTM-D 6357
5	Total Iron (as Fe)	mg/kg	32320	ASTM-D 6357
6	Total Zinc (as Zn)	mg/kg	52.3	ASTM-D 6357
7	Total Lead (as Pb)	mg/kg	BDL (DL:1.2)	ASTM-D 6357
8	Total Mercury	mg/kg	BDL (DL:0.1)	CPCB(HW), Page No. 62
9	Total Chromium Hexavalent	mg/kg	3.75	CPCB(HW), Page No. 66 to 72

Remark: All results are as on received basis. BDL: Below Detection Limit; DL: Detection Limit.

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

Phone : 91-8319914473 Email: mahabalcg@gmail.com

Test Report

Report No.: ME-CG02544-220819-BA-NTPC-RAIGARH	Date: 19.08.2022		
Name and address of Customer	NTPC LIMITED Lara Super Thermal Power Station Village-Chhapora, PO/PS-Pussore Raigarh, Chattisgarh-496440.	Order Reference	
		PO.No.4000264471-037-1047 Dtd.23.09.2021 (version: 0)	
Sample Description/Type	Bottom Ash	Sample Collected by	Laboratory
Sampling Location	NTPC LARA Plant	Sample Quantity/Packing	2kg X 1 No. Polythene Bag
Date of Sampling	10.08.2022	Date of Receipt of Sample	11.08.2022
Sampling Procedure	CPCB (HW) manual, sec. 2.3, Page No. 6		
Date of Start of Analysis	11.08.2022	Date of Completion of Analysis	18.08.2022

Sr. No.	Parameter	Unit	Result	Method Reference
1	Total Arsenic (as As)	mg/kg	BDL (DL:0.3)	ASTM-D 6357
2	Total Cadmium (as Cd)	mg/kg	BDL (DL:2)	ASTM-D 6357
3	Total Chromium (as Cr)	mg/kg	17.07	ASTM-D 6357
4	Total Copper (as Cu)	mg/kg	34.5	ASTM-D 6357
5	Total Iron (as Fe)	mg/kg	32780	ASTM-D 6357
6	Total Zinc (as Zn)	mg/kg	46.2	ASTM-D 6357
7	Total Lead (as Pb)	mg/kg	BDL (DL:1.2)	ASTM-D 6357
8	Total Mercury	mg/kg	BDL (DL:0.1)	CPCB(HW), Page No. 62
9	Total Chromium Hexavalent	mg/kg	3.97	CPCB(HW), Page No. 66 to 72

Remark: All results are as on received basis. BDL: Below Detection Limit; DL: Detection Limit.

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).

Page 1 of 1

Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra

(600 m from Hotel Rukhmini Palace Turn Opp Toyota Show Room. Next to Ashida Electrical - near J B Sawant Bus Stop)

Phone : 91-8319914473 Email: mahabalcg@gmail.com



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

Phone : 91-8319914473 Email: mahabalcg@gmail.com

Test Report

Report No.: ME-CG02549-220817-COAL-NTPC-RAIGARH		Date: 17.08.2022	
Name and Address of Customer	NTPC LIMITED Lara Super Thermal Power Station Village-Chhapora, PO/PS-Pussore Raigarh, Chattisgarh-496440.		Order Reference
			P O No.: 4000264471-037-1047 (Version: 0) Date: 23.09.2021
Sample Description/Type	Coal	Sample Collected by	Laboratory
Sampling Location	NTPC LARA Plant	Sample Quantity/Packing	2kg X 1No. Polythene Bag
Date of Sampling	10.08.2022	Date of Receipt of Sample	11.08.2022
Sampling Procedure	Sample tested as received		
Date of Start of Analysis	11.08.2022	Date of Completion of Analysis	16.08.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Solid Fuel (Coal &Coke)				
1.	Mercury (as Hg)	mg/kg	0.17	ASTM-D3684-01 RA 2006
2.	Arsenic (as As)	mg/kg	0.62	ASTM-D 6357
3.	Cadmium (as Cd)	mg/kg	0.72	ASTM-D 6357
4.	Chromium Hexa (as Cr ⁶⁺)	mg/kg	4.07	USEPA-3060 A
5.	Chromium Total (as Cr)	mg/kg	28.3	ASTM-D 6357
6.	Copper (as Cu)	mg/kg	15.6	ASTM-D 6357
7.	Iron (as Fe)	mg/kg	13845	ASTM-D 3683
8.	Lead (as Pb)	mg/kg	5.67	ASTM-D 6357
9.	Zinc (as Zn)	mg/kg	23.3	ASTM-D 6357
Remarks: All results expressed as % by weight of Coal.				

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).

Page 1 of 1



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

Phone : 91-8319914473 Email: mahabalcg@gmail.com

Test Report

Report No.: ME-CG02532-220525-FA-NTPC-RAIGARH		Date: 25.05.2022	
Name and address of Customer	NTPC LIMITED Lara Super Thermal Power Station Village-Chhapora, PO/PS-Pussore Raigarh, Chattisgarh-496440.		Order Reference
			PO.No.4000264471-037-1047 Dtd.23.09.2021 (version: 0)
Sample Description/Type	Fly Ash	Sample Collected by	Laboratory
Sampling Location	NTPC LARA Plant	Sample Quantity/Packing	2kg X 1 No. Polythene Bag
Date of Sampling	17.05.2022	Date of Receipt of Sample	17.05.2022
Sampling Procedure	CPCB (HW) manual, sec. 2.3, Page No. 6		
Date of Start of Analysis	17.05.2022	Date of Completion of Analysis	24.05.2022

Sr. No.	Parameter	Unit	Result	Method Reference
1	Total Arsenic (as As)	mg/kg	0.544	CPCB(HW), Page No. 56
2	Total Cadmium (as Cd)	mg/kg	BDL (DL:2)	CPCB(HW), Page No. 41
3	Total Chromium (as Cr)	mg/kg	27.9	CPCB(HW), Page No. 41
4	Total Copper (as Cu)	mg/kg	35.3	CPCB(HW), Page No. 41
5	Total Iron (as Fe)	mg/kg	26540	CPCB(HW), Page No. 41
6	Total Zinc (as Zn)	mg/kg	44.3	CPCB(HW), Page No. 41
7	Total Lead (as Pb)	mg/kg	13.0	CPCB(HW), Page No. 41
8	Total Mercury	mg/kg	0.19	CPCB(HW), Page No. 62
9	Total Chromium Hexavalent	mg/kg	4.65	CPCB Manual LATS/16/2003-2004, Ch.5, 5.8, Page No. 66

Remark: All results are as on received basis

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

Phone : 91-8319914473 Email: mahabalcg@gmail.com

Test Report

Report No.: ME-CG02533-220525-BA-NTPC-RAIGARH		Date: 25.05.2022	
Name and address of Customer	NTPC LIMITED Lara Super Thermal Power Station Village-Chhapora, PO/PS-Pussore Raigarh, Chattisgarh-496440.		Order Reference
			PO.No.4000264471-037-1047 Dtd.23.09.2021 (version: 0)
Sample Description/Type	Bottom Ash	Sample Collected by	Laboratory
Sampling Location	NTPC LARA Plant	Sample Quantity/Packing	2kg X 1 No. Polythene Bag
Date of Sampling	17.05.2022	Date of Receipt of Sample	17.05.2022
Sampling Procedure	CPCB (HW) manual, sec. 2.3, Page No. 6		
Date of Start of Analysis	17.05.2022	Date of Completion of Analysis	24.05.2022

Sr. No.	Parameter	Unit	Result	Method Reference
1	Total Arsenic (as As)	mg/kg	0.516	CPCB(HW), Page No. 56
2	Total Cadmium (as Cd)	mg/kg	BDL (DL:2)	CPCB(HW), Page No. 41
3	Total Chromium (as Cr)	mg/kg	25.4	CPCB(HW), Page No. 41
4	Total Copper (as Cu)	mg/kg	32.6	CPCB(HW), Page No. 41
5	Total Iron (as Fe)	mg/kg	25112	CPCB(HW), Page No. 41
6	Total Zinc (as Zn)	mg/kg	40.7	CPCB(HW), Page No. 41
7	Total Lead (as Pb)	mg/kg	11.2	CPCB(HW), Page No. 41
8	Total Mercury	mg/kg	0.18	CPCB(HW), Page No. 62
9	Total Chromium Hexavalent	mg/kg	4.22	CPCB Manual LATS/16/2003-2004, Ch.5, 5.8, Page No. 66

Remark: All results are as on received basis

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

Phone : 91-8319914473 Email: mahabalcg@gmail.com

Test Report

Report No.: ME-CG02542-220524-COAL-NTPC-RAIGARH		Date: 24.05.2022	
Name and Address of Customer	NTPC LIMITED Lara Super Thermal Power Station Village-Chhapora, PO/PS-Pussore Raigarh, Chattisgarh-496440.		Order Reference
			P O No.: 4000264471-037-1047 (Version: 0) Date: 23.09.2021
Sample Description/Type	Coal	Sample Collected by	Laboratory
Sampling Location	NTPC LARA Plant	Sample Quantity/Packing	2kg X 1No. Polythene Bag
Date of Sampling	17.05.2022	Date of Receipt of Sample	18.05.2022
Sampling Procedure	As Per IS 436 (part I/Sec I): 1964, Reaffirmed 2005		
Date of Start of Analysis	18.05.2022	Date of Completion of Analysis	23.05.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Solid Fuel (Coal &Coke)				
1.	Mercury (as Hg)	mg/kg	0.138	ASTM-D3684-01 RA 2006
2.	Arsenic (as As)	mg/kg	0.27	ASTM-D 6357-11
3.	Cadmium (as Cd)	mg/kg	0.68	USEPA-3060 A, 7196 A
4.	Chromium Hexa (as Cr ⁶⁺)	mg/kg	2.33	ASTM-D 6357-11
5.	Chromium Total (as Cr)	mg/kg	12.9	ASTM-D 6357-11
6.	Copper (as Cu)	mg/kg	17.8	ASTM-D 6357-11
7.	Iron (as Fe)	mg/kg	14780	ASTM-D 4606-03
8.	Lead (as Pb)	mg/kg	6.54	ASTM-D 6357-11
9.	Zinc (as Zn)	mg/kg	27.7	ASTM-D 6357-11
Remarks All results analysed on ADB ADB: Air Dry Basis. All results expressed as % by weight of Coal				

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).

Page 1 of 1



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

Phone : 91-8319914473 Email: mahabalcg@gmail.com

Test Report

Report No.: ME-CG2138-220818-SA-NTPC-RAIGARH		Date: 18.08.2022	
Name and address of Customer	NTPC LIMITED Lara Super Thermal Power Station Village-Chhapora, PO/PS-Pussore Raigarh, Chattisgarh-496440.		Order Reference
			PO.No.4000264471-037-1047 Dtd.23.09.2021 (version: 0)
Sample Description/Type	Industrial Effluent	Sample Collected by	Laboratory
Sampling Location	Ash Pond Effluent - Sample 1	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1No.PVC Can
Date of Sampling	10.08.2022	Date of Receipt of Sample	10.08.2022
Sampling Procedure	IS:3025(Part I):1987, RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	10.08.2022	Date of Completion of Analysis	17.08.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1	Temperature	°C	27	APHA 23 rd Ed. 2017, 2550-B, 2-74
Residues in water (Trace metal Element)				
2	Mercury (as Hg)	mg/L	BDL (DL:0.0005)	APHA 23 rd Ed. 2017, 3112-B, 3-25
3	Chromium Hexa (as Cr ⁶⁺)	mg/L	BDL (DL:0.02)	APHA 23 rd Ed. 2017, 3500-Cr-B,3-71
4	Iron (as Fe)	mg/L	0.093	IS 3025(Part 2), 2019
5	Copper (as Cu)	mg/L	BDL (DL:0.01)	IS 3025(Part 2), 2019
6	Chromium Total (as Cr)	mg/L	BDL (DL:0.01)	IS 3025(Part 2), 2019
7	Zinc (as Zn)	mg/L	BDL (DL:0.02)	IS 3025(Part 2), 2019
8	Cadmium (as Cd)	mg/L	BDL (DL:0.0027)	IS 3025(Part 2), 2019
9	Lead (as Pb)	mg/L	BDL (DL:0.008)	IS 3025(Part 2), 2019
10	Arsenic (as As)	mg/L	BDL (DL:0.007)	IS 3025(Part 2), 2019
Remarks: BDL: Below Detection Limit; DL: Detection Limit				

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

Phone : 91-8319914473 Email: mahabalcg@gmail.com

Test Report

Report No.: ME-CG2139-220818-SA-NTPC-RAIGARH		Date: 18.08.2022	
Name and address of Customer		Order Reference	
NTPC LIMITED Lara Super Thermal Power Station Village-Chhapora, PO/PS-Pussore Raigarh, Chattisgarh-496440.		PO.No.4000264471-037-1047 Dtd.23.09.2021 (version: 0)	
Sample Description/Type	Industrial Effluent	Sample Collected by	Laboratory
Sampling Location	Ash Pond Effluent - Sample 2	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1No.PVC Can
Date of Sampling	10.08.2022	Date of Receipt of Sample	10.08.2022
Sampling Procedure	IS:3025(Part I):1987, RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	10.08.2022	Date of Completion of Analysis	17.08.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1	Temperature	°C	27	APHA 23 rd Ed. 2017, 2550-B, 2-74
Residues in water (Trace metal Element)				
2	Mercury (as Hg)	mg/L	BDL (DL:0.0005)	APHA 23 rd Ed. 2017, 3112-B, 3-25
3	Chromium Hexa (as Cr ⁶⁺)	mg/L	BDL (DL:0.02)	APHA 23 rd Ed. 2017, 3500-Cr-B,3-71
4	Iron (as Fe)	mg/L	0.076	IS 3025(Part 2), 2019
5	Copper (as Cu)	mg/L	BDL (DL:0.01)	IS 3025(Part 2), 2019
6	Chromium Total (as Cr)	mg/L	BDL (DL:0.01)	IS 3025(Part 2), 2019
7	Zinc (as Zn)	mg/L	0.034	IS 3025(Part 2), 2019
8	Cadmium (as Cd)	mg/L	BDL (DL:0.0027)	IS 3025(Part 2), 2019
9	Lead (as Pb)	mg/L	BDL (DL:0.008)	IS 3025(Part 2), 2019
10	Arsenic (as As)	mg/L	BDL (DL:0.007)	IS 3025(Part 2), 2019
Remarks: BDL: Below Detection Limit; DL: Detection Limit				

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).

Page 1 of 1



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

Phone : 91-8319914473 Email: mahabalcg@gmail.com

Test Report

Report No.: ME-CG2034-220522-SA-NTPC-RAIGARH		Date: 22.05.2022	
Name and address of Customer	NTPC LIMITED Lara Super Thermal Power Station Village-Chhapora, PO/PS-Pussore Raigarh, Chattisgarh-496440.		Order Reference
			PO.No.4000264471-037-1047 Dtd.23.09.2021 (version: 0)
Sample Description/Type	Industrial Effluent	Sample Collected by	Laboratory
Sampling Location	Ash Pond Effluent - Sample 1	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1No.PVC Can
Date of Sampling	17.05.2022	Date of Receipt of Sample	17.05.2022
Sampling Procedure	IS:3025(Part I):1987, RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	17.05.2022	Date of Start of Analysis	21.05.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1	Temperature	°C	28	APHA 23 rd Ed. 2017, 2550-B, 2-74
Residues in water (Trace metal Element)				
2	Mercury (as Hg)	mg/L	BDL (DL:0.0005)	APHA 23 rd Ed. 2017, 3112-B, 3-25
3	Chromium Hexa (as Cr ⁶⁺)	mg/L	BDL (DL:0.02)	APHA 23 rd Ed. 2017, 3500-Cr-B,3-71
4	Iron (as Fe)	mg/L	0.158	IS 3025(Part 2), 2019
5	Copper (as Cu)	mg/L	BDL (DL:0.01)	IS 3025(Part 2), 2019
6	Chromium Total (as Cr)	mg/L	BDL (DL:0.01)	IS 3025(Part 2), 2019
7	Zinc (as Zn)	mg/L	0.059	IS 3025(Part 2), 2019
8	Cadmium (as Cd)	mg/L	BDL (DL:0.0027)	IS 3025(Part 2), 2019
9	Lead (as Pb)	mg/L	BDL (DL:0.008)	IS 3025(Part 2), 2019
10	Arsenic (as As)	mg/L	BDL (DL:0.007)	IS 3025(Part 2), 2019
Remarks: BDL: Below Detection Limit; DL: Detection Limit				

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.


Rajiv Kumar Pal
CHIEF CHEMIST



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).

Page 1 of 1



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

Phone : 91-8319914473 Email: mahabalcg@gmail.com

Test Report

Report No.: ME-CG2035-220522-SA-NTPC-RAIGARH		Date: 22.05.2022	
Name and address of Customer	NTPC LIMITED Lara Super Thermal Power Station Village-Chhapora, PO/PS-Pussore Raigarh, Chattisgarh-496440.		Order Reference
			PO.No.4000264471-037-1047 Dtd.23.09.2021 (version: 0)
Sample Description/Type	Industrial Effluent	Sample Collected by	Laboratory
Sampling Location	Ash Pond Effluent - Sample 2	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1No.PVC Can
Date of Sampling	17.05.2022	Date of Receipt of Sample	17.05.2022
Sampling Procedure	IS:3025(Part I):1987, RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	17.05.2022	Date of Start of Analysis	21.05.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1	Temperature	°C	28	APHA 23 rd Ed. 2017, 2550-B, 2-74
Residues in water (Trace metal Element)				
2	Mercury (as Hg)	mg/L	BDL (DL:0.0005)	APHA 23 rd Ed. 2017, 3112-B, 3-25
3	Chromium Hexa (as Cr ⁶⁺)	mg/L	BDL (DL:0.02)	APHA 23 rd Ed. 2017, 3500-Cr-B,3-71
4	Iron (as Fe)	mg/L	0.135	IS 3025(Part 2), 2019
5	Copper (as Cu)	mg/L	BDL (DL:0.01)	IS 3025(Part 2), 2019
6	Chromium Total (as Cr)	mg/L	BDL (DL:0.01)	IS 3025(Part 2), 2019
7	Zinc (as Zn)	mg/L	0.040	IS 3025(Part 2), 2019
8	Cadmium (as Cd)	mg/L	BDL (DL:0.0027)	IS 3025(Part 2), 2019
9	Lead (as Pb)	mg/L	BDL (DL:0.008)	IS 3025(Part 2), 2019
10	Arsenic (as As)	mg/L	BDL (DL:0.007)	IS 3025(Part 2), 2019
Remarks: BDL: Below Detection Limit; DL: Detection Limit				

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).

Page 1 of 1

Fly Ash Notification S.O. 763 (E) Dated 14th September 1999, amendment dated 27.08.2003, Dated 03-11-2009 and 25.01.2016 - **Statutory Compliance**

Report for the period 01.04.2021 to 31.03.2022

Sl. No.	Item	Reply
1	Name of the thermal Power station	Lara Super Thermal Power Project
2	Full Address, including PIN code	NTPC Lara, Vill-Chhapora, PO&PS-Pussore, Dist.-Raigarh, Chhattisgarh-496440
3	E mail address	ntpclaraamg@gmail.com, hoplara@ntpc.co.in
4	Name of the Nodal officer (not below the rank of DGM/Dy.CE/or equivalent) dealing with ash management and contents of this report and his designation	Sh. S.K.Swain AGM (AHD & AU)
5	Telephone No	07762-242002
6	Fax No.	011-66173761
7	Capacity of the Thermal Power station (MW)	1600 MW
8	Details of Number of units and capacity of each unit	2 x 800 MW
9	Coal/Lignite Consumption in 2021-2022 (Million tonnes)	7.807
A. Ash Generation in 2021-2022 (in tonnes).		
10	Bottom Ash	6,46,834
11	Fly Ash	25,87,337
	Total A (10 and 11):	32,34,171
B. Ash Unutilised (in tonnes)		
12	Ash Pond disposal	14,11,021
13	Ash yard	--
14	Ash Dump	--
	Total B (12 to 14):	14,11,021

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C. Ash Utilization in 2021-22 (in tonnes)						
	Purpose for which ash is utilized	Target (as per action plan)	Actual			
			From ESP Dry Ash	From Pond Ash	From Bottom Ash	Total
15	Ash pond dyke raising	2,00,000	00	8,24,125	00	8,24,125
16*	Cement industry	1,66,000	--	--	--	--
17	Land fill	4,00,000	26,636	00	00	26,636
18	Own Brick Unit	50,000	807	00	00	807
19*	Outside Brick units other than brick kilns		4,203	00	00	4,203
20*	Brick Kilns		--	--	--	--
21	Own ash-based products (other than bricks)		--	--	--	--
22	Outside ash-based products		--	--	--	--
23*	Road and Flyover Embankments		13,30,000	00	8,96,379	00
24*	Back filling of mines and Mixing Ash with OB		--	--	--	--
25	Agriculture		--	--	--	--
26	Ready mix concrete		--	--	--	--
27	Asbestos		--	--	--	--
28*	Exports		--	--	--	--
29	Others					
	(i) Bottom Ash Cover		--	--	--	--
	(ii) Cenosphere		00	1,000	00	1,000
	(iii) Agriculture		--	--	--	--
	(iv) Dyke lining	54,000	00	70,000	00	70,000
	Total C (15 to 29)	22,00,000	31,646	17,91,504	00	18,23,150

D. Reason for variation from the target.

- 1) NTPC-Lara is remotely located distantly from cement/RMC industries.
- 2) Surplus ash generation in the region due to cluster of thermal power plants due to which ash generation is in abundance but utilization is limited.
- 3) Landfilling was lower than expected due to Covid-19.

SA

Hanshik

E. Remedial Measures taken.

- 1) Cement industries are being regularly pursued to lift fly ash from Lara for usage in cement manufacturing.
- 2) Ash is being supplied free of cost with transportation to fly ash brick plants within 100 km.
- 3) Ash is being supplied to NHAI in road construction projects and NTPC is bearing cost of transportation.
- 4) Regular meetings are being conducted for increasing awareness on ash utilization so that offtake of ash can be increased.

F. Quantity in ash pond.

30	Estimated quantity of Pond Ash in active ash pond (Pond in use) as on 31.03.2022 (Million tonnes)	<u>2.32</u>
----	---	-------------

G. Ash Pond Details.

31	Total area earmarked for ponds (ha)	Forest Area	Non forest Area	Total
		-	144	144
32	Ash ponds already filled up and reclaimed (ha)		-	
33	Ash ponds already filled up but yet to be reclaimed (ha)		-	
34	Ash ponds in use (ha) (Active ash ponds)		144	
35	Area earmarked for ash ponds but ash ponds yet to be constructed (ha)		Nil	

H. Dry fly ash collection facilities.

36	Whether Mechanical handling facility for dry fly ash collection is available	Yes
37	If yes, for how many units	02 numbers

I. Dry fly ash storage.

38	Daily Ash Generation (TPD)	Capacity of storage as on 31.03.2022(tonnes)	Capacity proposed if any in 2022-23 (tonnes)
	Approx. 8000	1400 MT (= 2 x 700 MT)	700 MT (= 1 x 700 MT) Under Construction



Harshik

J. Capital Expenditure. (Rs. Lakh)			
	Item	Expenditure in 2021-22(Rs. Lakh)	Budgetary provision In 2022-23 (Rs. Lakh)
39	Mechanical dry fly ash collection facility	142.74	1683
40	Dry fly ash storage		

K. Dispute Settlement Committee.

41	No. of meetings held in 2021-22	If no meetings were held, reason for the same
	00	No dispute

L. Provision regarding supply to the brick kilns

42	Whether the Thermal Power Station is maintaining month wise records of ash issued	Yes
43	If yes, how many brick kilns have been supplied with fly ash	NIL

M. Mode of Transport for ash (Strikeout whichever not applicable)

44	Dry Ash	Closed container
45	Wet Ash	Truck covered with tarpaulin

N. Promotional Measures

		No. of meetings/ workshops/ exhibition held during 2021-22	Amount spent in 2021-22 (Rs. Lakh)	Outlay for 2022-23 (Rs. Lakh)
46	Exhibitions	00	0	05
47	Seminars (Kissan Mela)	--	--	
48	Workshops	00	00	
49	Advertisement in Newspapers	01	2.33	
50	Advertisement in TV	--	--	
51	Advertisement in Radio	--	--	
52	Others (please specify) Trilingual Brochure on use of Ash in Agriculture	--	--	
	Total N (46 to 52)	01	2.33	

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O. Administrative measures taken		
	Administrative Measures	Outcome
53	Meeting with brick manufacturers	<ul style="list-style-type: none"> • Regular meeting with ash brick manufacturers is being carried out. • Free of cost doorstep delivery of fly ash to ash-based product manufacturers within 100 kms of NTPC Lara is being done. • Availability of surplus fly ash in surrounding area and Red bricks in the region are major constraints.
54	Meeting with State/Central Government agencies	<ul style="list-style-type: none"> • Meetings are conducted with Govt authorities for increasing ash utilization in various areas like construction, State road projects etc. • Meeting with SECL, Raigarh office was held related to use of ash in near-by abandoned mines.

SR

Danshik

55	Any other measure (please specify)	<ul style="list-style-type: none"> • All civil construction and maintenance work in the plant and township area is being carried out through fly ash bricks only. • Regular meeting with NHAI/ PWD officials is being done for use of ash in road construction works. • A fly ash brick plant of Capacity of 60,000 no. of bricks per day has been installed and commissioned inside plant premise.
----	------------------------------------	--

J.K. Mishra
 J.K. Mishra
 Sr. Engg (P.W.)

Diwakar Kaushik

Signature of the Head of Project
of the thermal power station

Name

Designation

Date:

दिवाकर कौशिक
Diwakar Kaushik
 मुख्य महाप्रबंधक (लारा)
 Chief General Manager (Lara)
 एनटीपीसी-लारा, रायगढ़ (छ.ग.)
 NTPC-LARA, Raigarh (C.G.)

*** FORMAT FOR ANNEXURES**

Annexure - I

Name of bricks units/ bricks kilns to which fly ash supplied between 01.04.2021 and 31.03.2022

S. No.	Name of the unit and address	Tel. No. if any	Quantity supplied (Tonnes)
A. Brick kilns: NIL			
1			
2			
	Sub Total A:		
B. Brick units			
1	M/s Shyam FA Bricks	7000038411	4,203
2	M/s Maa Samleswari Enterprises	9938845220	
3	M/s Shiv Shakti Bricks Udyog	9777950121	
4	M/s Govindi Devi Industries	9329643414	
5	M/S Ganesh FA Bricks	8114923446	
6	M/s Modern Bricks and Tiles	7894318217	
7	M/s Happy Enterprises	7898280623	
8	M/s Shree Vinayak Eco-field	9937861118	
9	M/s Sonal Fly ash Bricks	8827781309	
	Sub Total B:		4,203
	NTPC Own Brick Unit		807
	Grand Total:		5010

Annexure – II

Name of cement units to which fly ash supplied between 01.04.2021 and 31.03.2022

S. No.	Name of the cement unit	Tel. No. if any	Quantity supplied (Tonnes)
1	N/A		--
2	N/A		--
	Total:		NIL

Annexure – III

Name of road project to which fly ash supplied between 01.04.2021 and 31.03.2022

S. No.	Name of the road project	Quantity supplied (Tonnes)
1	Koida-Rajamunda road project (NH-520)	3,47,768
2	Biramitrapur-Brahmani Bypass road project (NH-143)	3,87,787
3	Raipur-Kodebod road project (NH-30)	95,897

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4	Kodebod-Dhamtari road project (NH-30)	64,927
	Total:	8,96,379

Annexure - IV

Name of Hydropower Project to which fly ash supplied between 01.04.2021 and 31.03.2022

S. No.	Name of the Hydropower Project	Quantity supplied (Tonnes)
1	N/A	--
2	N/A	--
	Total :	NIL

Annexure - V

Name of abandoned mines where fly ash is back filled between 01.04.2021 and 31.03.2022

S. No.	Name of the mines	Open cost/ Underground	Quantity utilised for back filling (Tonnes)
1			
2			
	Total:		NIL

Annexure - VI

Country to which fly ash was exported between 01.04.2021 and 31.03.2022

S. No.	Name of the country	Quantity (Tonnes)
	N/A	
	Total:	NIL

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Guidelines for filling up the Compliance Report

Sl. No.	Item	How to fill up
1.	3	If there is no e-mail address the entry should be 'Nil'
2.	8	No. of units should be represented as follows: 2 x 210 MW, 1x500 MW, 3x110 MW
3.	C	Target: The figures should be as indicated to the Ministry originally. No change should be made. Put (-) if the utilization is nil.
4.	17	Landfill, should not include ash ponds disposal.
5.	24	Back filling of mines. Applicable only if the mine is identified by the concerned authority as fit for back filling. This should not include ash slurry pumped into cavities of quarries which has been converted into ash pond by raising bandhs.
6.		Total B and total C should add up to total of A.
7.	D&E	If required use additional sheet.
8.	30	The figures should be in million tonnes, cubic metres should not be used.
9.	31	Total area as per land use plan approved by competent authority. Forest area is the forestland as per Forest (Conservation) Act, which was acquired for dumping ash/ ash pond. Areas should be in hectares and not in any other unit. Item 31 should be sum of item 32 to 35.
10.	39 & 40	Maintenance Expenditure should not be included.
11.	*	Provide information wherever applicable as per Annexure.

Note:

1. The period 2021-22 means period between 01.04.2021 to 31.03.2022.
2. The information on brick kilns/ units should be on annual basis for each unit.
3. Month wise figures will not be accepted.



NTPC Limited

(A Government of India Enterprise)

SSC - WR-II(Sipat) Project

PO Ujwal Nagar

District Bilaspur

Chhattisgarh- 495555, India

Telephone No. : 07752-246552 Fax No. : 07752-246507

Service Purchase Order

CIN No. : L40101DL1975GOI007966

Purchase Order No. : 4600063185-187-1019 Date : 26.09.2020 (version : 0)

To

INDIAN INSTITUTE OF CORPORATE AFFAIRS (IICA)

PLOT NO. 6,7,8, SECTOR-5,

IMT MANESAR

GURGAON

Haryana

India - 122052

Tel: 0124-2640108

Fax: 0124-2291036

E-Mail : MUKESH.KUMAR@IICA.IN

Vendor Code : 1130685

Subject: : Conducting SIE and NAS for NTPC LARA
NIT NO. : 9900206277/187/1019 Dated 22.09.2020
Your Offer No. : Bid no.115001
Your Reference : Tender Reference Number NTPC/SSC - WR-II(Sipat)/9900206277
Tender ID 2020_NTPC_40421_1
Our Reference : PRADIP File ref.no.SSC WR-2/SSC-C&M/2020-21/800044961/353508

Dear Sir,

This has reference to our above mentioned NIT, Your offer and subsequent discussions. We are pleased to accept your offer opened on 22.08.2020 and confirm having awarded on you the work of Conducting SIE and NAS for NTPC LARA of total value INR 1,124,500.00 (Rupee ELEVEN LAKH TWENTY-FOUR THOUSAND FIVE HUNDRED ONLY) mentioned in the scope of works, special terms & conditions, Bill of quantities etc.

The duration of the service period shall be from 20.11.2020 to 19.05.2021. Though the duration of contract shall remain same, the actual date of commencement of the contract shall be as per the direction of EIC. Sh Shakil Ahmed, Sr.Manager (LA/R&R) shall be EIC for this work.

This service purchase order along with its annexure is being issued to you in duplicate .We request you to return the duplicate copy of this service purchase order, duly signed on each page by your authorised signatory in token of your unequivocal acknowledgment of the same within 15 days from the date of this service purchase order. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

We thank you for the interest shown by you in our project and the cooperation extended to us. We expect to receive your continued cooperation in future also.

Thanking You,
For & on behalf of NTPC Limited.

Sr.Manager(C&M)

Enclosures :

- 1.SOW & Terms and conditions
- 2.Tender Documents

(Bill of Quantity)

Name of Work:

Conducting SIE and NAS for NTPC LARA

SI No.	Code	Description	Unit	Quantity	Net Price	Amount	Long Text
--------	------	-------------	------	----------	-----------	--------	-----------

Delivery/Invoicing Address:

1047 LARA SUPER THERMAL POWER PROJECT
 VILLAGE - CHHAPORA,PO/PS - PUSSORE RAIGARH
 Chhattisgarh
 496440
 India
 07752-246552
 07752-246507
 Invoicing to be done on
GST No. : 22AAACN0255D4Z5

10		Conducting SIE And NAS	AU	1.000	1,124,500.00	1,124,500.00	
----	--	------------------------	----	-------	--------------	--------------	--

Tax: IN:Integrated GST-ND @ 18.00 % **Extra**

10 .10		NAS/SIE pilot study and questionnaire pr	NO	1	195,000.0000	195,000.00	
10 .20		Field Study (Remuneration of survey team	NO	1	246,000.0000	246,000.00	
10 .30		Data Compilation and analysis (This incl	NO	1	228,000.0000	228,000.00	
10 .40		Report Writing (which includes Writing o	NO	1	199,000.0000	199,000.00	
10 .50		Travelling (Excluding Local travel at NT	NO	1	190,000.0000	190,000.00	
10 .60		Printing of report	NO	1	66,500.0000	66,500.00	

TOTAL OF BOQ PART : 00010 INR 1124500.00

Amount **1124500.00**
 Other Charges 0.00

Net Amount on BOQ PART : 00010 INR 1124500.00

Net Total Amount INR 1,124,500.00
 Less Rebate/Amount INR 0.00
 Grand Total INR 1,124,500.00

INR ELEVEN LAKH TWENTY-FOUR THOUSAND FIVE HUNDRED ONLY

Terms & Conditions

Payment Terms

TERMS OF PAYMENT:

1.0

S.No.	Stage	Activities	Payment % (GST extra)
1	Mobilization advance	Advance after order	10%
2	Data Collection & Draft report submission	-Pilot study and preparation of questionnaire/interview schedule -Field Study (Remuneration of survey team that includes faculty, research assistant, field assistant, printing of survey materials, logistic arrangements to undertake the survey.	40%
3	Final Report Submission	-Data compilation and analysis -Report writing -Travelling expenses (Including lodging and boarding) -Printing and submission of final Report	50%
TOTAL			100%

Payment shall be released as above mentioned on submission of bill by the agency along with required documents, as directed by EIC. Bank Charges if any shall be borne by the agency.

2.0 Applicable GST thereon (in respect of direct transactions between the Employer and the Consultant) which are payable by the Employer under the Contract shall be reimbursed by the Employer to the Consultant on production of satisfactory documentary evidence by the Consultant.

3.0 Further payment of any statutory fees, paid to other authorities, shall be paid separately by NTPC.

Payment Mode

Through EFT

Invoice to be raised on delivery/invoice address against the given PO line items.

Liquidated Damages

@ 0.50 % per week or part there of for the portion of works executed beyond the agreed completion date subject to a maximum of 10.00 % PO value.

Special Instruction

1. Contract Period: The validity of contract shall be 6 Months from the date of start of work as per LOA. Date of Start will be informed by EIC well in advance.

2.CONTRACT AGREEMENT: (Applicable only if awarded contract value is more than Two Lacs) You shall enter

into a formal Agreement with us, on non-judicial stamp paper of value Rs 250.00, within a period of thirty (30) days from the date of issue of this Letter of Award as per NTPC approved format.

3. All the other terms & conditions are as per Conditions of contract and SCC (issued with enquiry).

Break up of Price (For Service Related Lines Only)

SI No.	Service Code	Description	Qty.	UOM	Rate	Premium	Discount	Addl Discount	Net Rate	Value
10 .10		NAS/SIE pilot study and questionnaire pr	1	NO	195,000.00	0.00	0.00	0.00	195,000.000	195,000.00
10 .20		Field Study (Remuneration of survey team	1	NO	246,000.00	0.00	0.00	0.00	246,000.000	246,000.00
10 .30		Data Compilation and analysis (This incl	1	NO	228,000.00	0.00	0.00	0.00	228,000.000	228,000.00
10 .40		Report Writing (which includes Writing o	1	NO	199,000.00	0.00	0.00	0.00	199,000.000	199,000.00
10 .50		Travelling (Excluding Local travel at NT	1	NO	190,000.00	0.00	0.00	0.00	190,000.000	190,000.00
10 .60		Printing of report	1	NO	66,500.00	0.00	0.00	0.00	66,500.000	66,500.00

Prepared By:
Pradeep Suman

List of Documents

Please note that below documents are needed to be provided along with Invoice.

S.No.	Document Description
--------------	-----------------------------

NTPC VENDOR PAYMENT PORTAL & PAYMENT PROCEDURE

1.For all the cases where payment documents are to be directly submitted to NTPC (excluding Payment through Bank cases), the Invoice and supporting document(s) as required in the Purchase Order have to be Digitally Signed with class II or III digital signature and uploaded in the NTPC Vendor Payment Portal <https://pradip.ntpc.co.in/VendorFinal/Login.jsp>.

In such cases, there will be no requirement of physical copy of invoice & documents except for Lorry Receipts (LRs)/ Delivery Challan, which are normally sent along with the material/ transporter. Bank Guarantees to be sent in original wherever applicable.

2.From **15.5.2020**, NTPC will accept only digitally signed Invoice & supporting documents from Vendors for direct payment cases. Submission of documents in physical form shall not be accepted by NTPC unless otherwise asked for in the PO.

For such cases of physical submission, Vendors are required to send complete set of documents including invoice etc. addressed to the "Invoice Receipt Center" of the Delivery/ Invoicing Address as mentioned in the Purchase Order Annexure 1/ BOQ Sheet.

While submitting the Invoice/ Bills & related documents in physical form, Vendors are required to mention the following details on the top of the envelope:

- a. Invoice/Bill reference No.
- b. NTPC PO No./ Package no.
- c. NTPC Vendor Code as per PO

In addition to above, vendors are requested to mention their correspondence E-mail & Mobile No.in the Covering Letter, through which invoice processing related information/clarification request may be sent.

3.Vendors can track / monitor the status of payments from the Vendor payment portal. Help documents are available in the portal. Vendors are requested to make full use of the Vendor Payment Portal.

4. A toll-free helpline (1800 102 5970, operating times 9am to 6 pm to Mon to Sat except Holidays) is also available for help on digital invoice uploading & payment tracking.

5. For payment cases through bank, all original documents are to be submitted in bank as per terms of PO.



Format for quarterly reporting of water consumption data and compliance with respect to the limit notified vide notification dated 07.12.2015 for coal/lignite based thermal power plants

Name of the Power Plant : Lara Super Thermal Power Station

State : Chhattisgarh

Capacity (total in MW) : 1600 MW

Unit wise Capacity : U#1- 800 MW

U#2- 800 MW

Applicable SWC Standard : 3.0_ m³/MWh

Month	Power Generation (MWh)	Water Consumption (m ³)	Sp. Water Consumption (Daily Avg. in m ³ /MWh)
April 2022	912956 (A)	2421563 (B)	2.65
May 2022	1039294 (C)	2635140 (D)	2.54
June 2022	1031682 (E)	2414726 (F)	2.34
Quarterly Summary	(A+C+E)	(B+D+F)	(B+D+F)/(A+C+E)
TOTAL	2983932	7471429	2.50

Remark: Water withdrawal data from plant reservoir.

Date: 09.07.2022

(SUDHIR DAHIYA)
AGM (ENVIRONMENT MANAGEMENT GROUP)
NTPC LARA

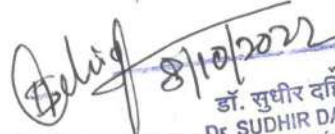


Format for quarterly reporting of water consumption data and compliance with respect to the limit notified vide notification dated 07.12.2015 for coal/lignite based thermal power plants

Name of the Power Plant : Lara Super Thermal Power Station
State : Chhattisgarh
Capacity (total in MW) : 1600 MW
Unit wise Capacity : U#1- 800 MW
U#2- 800 MW
Applicable SWC Standard : 3.0_ m³/MWh

Month	Power Generation (MWh)	Water Consumption (m ³)	Sp. Water Consumption (Daily Avg. in m ³ /MWh)
July 2022	1038751 (A)	2660524 (B)	2.56
August 2022	990647 (C)	2383478 (D)	2.41
September 2022	794733 (E)	2063335 (F)	2.60
Quarterly Summary	(A+C+E)	(B+D+F)	(B+D+F)/(A+C+E)
TOTAL	2824131	7107337	2.52

Remark: Water withdrawal data from plant reservoir.
Date: 08.10.2022


डॉ. सुधीर दहिया
(SUDHIR DAHIYA)
अपर महाप्रबंधक (पर्यावरण प्रबंधन)
AGM (ENVIRONMENT MANAGEMENT GROUP)
एनटीपीसी लिमिटेड, रायगढ़ (C.G.)
NTPC LARA NTPC-LARA, Raigarh (C.G.)

MONTHLY ENVIRONMENTAL PERFORMANCE REPORT

MONTH: April-2022

1.1 (a) Ground water Quality Plant nearby village:- Dewalsura

Parameters	Unit	Ground Water 13.04.2022
Temperature	degree C	26 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	355
TDS	mg/lit	231
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	135
Mg-Hardness as CaCO ₃	mg/lit	198
BOD	mg/lit	1.0
COD	mg/lit	4.5
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.35
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	4.3
E-coli	MPN/100ml	Absent

1.1 (b) Ground water Quality near Ash Dyke village: Kandagarh

Parameters	Unit	Ground Water 13.04.2022
Temperature	degree C	27 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	345
TDS	mg/lit	224
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	121
Mg-Hardness as CaCO ₃	mg/lit	95
BOD	mg/lit	1.0
COD	mg/lit	4.9
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.45

Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	4.6
E-coli	MPN/100ml	Absent

1.1 (c) Ground water Quality Plant nearby village:- Bodajhariya

Parameters	Unit	Ground Water 13.04.2022
Temperature	degree C	25 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	335
TDS	mg/lit	218
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	145
Mg-Hardness as CaCO ₃	mg/lit	104
BOD	mg/lit	1.0
COD	mg/lit	4.4
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.45
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	4.9
E-coli	MPN/100ml	Absent

1.1 (d) Ground water Quality near Ash Dyke village: Jhilgitar

Parameters	Unit	Ground Water 13.04.2022
Temperature	degree C	26 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	318
TDS	mg/lit	208
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	115
Mg-Hardness as CaCO ₃	mg/lit	75
BOD	mg/lit	1.0
COD	mg/lit	4.8
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.52

Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	5.3
E-coli	MPN/100ml	Absent

1.1 (e) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 13.04.2022
Temperature	degree C	28 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	375
TDS	mg/lit	244
TSS	mg/lit	26
Ca-Hardness as CaCO ₃	mg/lit	141
Mg-Hardness as CaCO ₃	mg/lit	95
BOD	mg/lit	5.1
COD	mg/lit	22
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.40
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	174
E-coli	MPN/100ml	Absent

1.1 (f) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 13.04.2022
Temperature	degree C	26 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	360
TDS	mg/lit	234
TSS	mg/lit	20
Ca-Hardness as CaCO ₃	mg/lit	130
Mg-Hardness as CaCO ₃	mg/lit	85
BOD	mg/lit	4.9
COD	mg/lit	19
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.35
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	165
E-coli	MPN/100ml	Absent

1.1 (g) Surface water : Kelo river

Parameters	Unit	Surface Water 13.04.2022
Temperature	degree C	28 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	246
TDS	mg/lit	160
TSS	mg/lit	16
Ca-Hardness as CaCO ₃	mg/lit	68
Mg-Hardness as CaCO ₃	mg/lit	36
BOD	mg/lit	4.5
COD	mg/lit	20
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.38
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	188
E-coli	MPN/100ml	Absent

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 04.04.2022	Chhapora 07.04.2022	Chhapora 11.04.2022	Chhapora 14.04.2022	Chhapora 18.04.2022	Chhapora 21.04.2022
SO ₂ (µg/m ³)	80	21.74	22.36	21.12	19.87	20.52	21.58
NO ₂ (µg/m ³)	80	23.83	24.87	23.44	22.58	23.49	23.74
PM 10 (µg/m ³)	100	45.78	47.95	45.74	48.65	42.71	43.59
PM 2.5 (µg/m ³)	60	23.62	24.12	20.76	25.23	18.36	20.47
Ozone (µg/m ³)	180	19.67	17.64	19.65	17.41	17.48	16.58
CO (mg /m ³)	4	0.22	0.24	0.24	0.28	0.22	0.26
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 25.04.2022	Chhapora 28.04.2022	Kandagarh 04.04.2022	Kandagarh 07.04.2022	Kandagarh 11.04.2022	Kandagarh 14.04.2022
SO ₂ (µg/m ³)	80	21.35	20.74	21.74	19.64	20.78	21.23
NO ₂ (µg/m ³)	80	24.13	23.87	24.52	23.48	23.14	23.74
PM 10 (µg/m ³)	100	48.57	46.92	44.78	43.56	46.24	44.78
PM 2.5 (µg/m ³)	60	23.62	24.76	24.59	23.14	25.12	26.87
Ozone (µg/m ³)	180	18.43	18.62	18.63	15.71	17.67	18.24
CO (mg /m ³)	4	0.28	0.27	0.23	0.28	0.24	0.26
Hydrocarbons (PPM)		<0.5	<0.5	<5.0	<0.5	<0.5	<0.5

Parameters	Limit*	Kandagarh 18.04.2022	Kandagarh 21.04.2022	Kandagarh 25.04.2022	Kandagarh 28.04.2022	Devalsura 01.04.2022	Devalsura 05.04.2022
SO ₂ (µg/m ³)	80	18.27	22.78	22.78	20.36	21.71	21.36
NO ₂ (µg/m ³)	80	24.15	24.57	23.11	24.79	23.67	23.67
PM 10 (µg/m ³)	100	44.78	46.79	46.79	47.58	45.29	47.88
PM 2.5 (µg/m ³)	60	24.36	21.67	25.23	26.92	26.43	24.96
Ozone (µg/m ³)	180	14.74	16.78	17.54	16.18	17.19	14.21
CO (mg /m ³)	4	0.28	0.26	0.24	0.26	0.23	0.21
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<5	<0.5

Parameters	Limit*	Devalsura 08.04.2022	Devalsura 12.04.2022	Devalsura 15.04.2022	Devalsura 19.04.2022	Devalsura 22.04.2022	Devalsura 26.04.2022
SO ₂ (µg/m ³)	80	19.74	18.47	21.97	19.36	19.64	22.79
NO ₂ (µg/m ³)	80	22.67	21.64	23.69	22.78	21.79	23.67
PM 10 (µg/m ³)	100	46.25	44.18	43.82	47.58	44.27	46.97
PM 2.5 (µg/m ³)	60	27.89	20.79	27.28	25.67	25.79	20.57
Ozone (µg/m ³)	180	17.16	14.12	16.37	14.76	16.41	16.27
CO (mg /m ³)	4	0.26	0.21	0.23	0.18	0.20	0.23
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 29.04.2022	Rengalpali 01.04.2022	Rengalpali 05.04.2022	Rengalpali 08.04.2022	Rengalpali 12.04.2022	Rengalpali 15.04.2022
SO ₂ (µg/m ³)	80	19.67	22.54	21.28	18.47	22.85	20.47
NO ₂ (µg/m ³)	80	20.47	24.13	23.16	21.52	24.14	21.64
PM 10 (µg/m ³)	100	40.79	46.97	45.42	43.78	40.87	44.12
PM 2.5 (µg/m ³)	60	18.62	26.28	26.43	19.37	22.47	25.78
Ozone (µg/m ³)	180	18.79	16.27	17.66	14.17	16.26	14.43
CO (mg /m ³)	4	0.24	0.24	0.23	0.19	0.25	0.21
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 19.04.2022	Rengalpali 22.04.2022	Rengalpali 26.04.2022	Rengalpali 29.04.2022
SO ₂ (µg/m ³)	80	21.78	19.67	20.47	20.38
NO ₂ (µg/m ³)	80	23.36	23.41	23.76	23.49
PM 10 (µg/m ³)	100	41.64	43.47	40.17	43.74
PM 2.5 (µg/m ³)	60	22.43	21.85	19.63	20.67
Ozone (µg/m ³)	180	18.74	16.78	16.74	19.12
CO (mg /m ³)	4	0.25	0.26	0.27	0.28
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 21.04.2022	Kandagarh 21.04.2022	Devalsura 22.04.2022	Rengalpali 22.04.2022
Mercury ($\mu\text{g}/\text{m}^3$)		<0.05	<0.05	<0.05	<0.05

* 24 hour weighted average for SO₂, NO₂, PM₁₀, PM_{2.5} and 1 hour weighted average for CO & Ozone.

3.0 Noise Level:

Location	Date	Noise Level [dB (A)]	
		Day Time	Night Time
1. Plant Locations			
Township Area	28.04.2022	38.2	31.4
CHP Area	28.04.2022	45.7	38.6
CCR Area	28.04.2022	54.8	43.3
Material Gate	28.04.2022	43.6	36.5
Main Gate Area	28.04.2022	45.7	36.8
2. Nearby Villages			
Kandagarh	28.04.2022	39.2	28.3
Jhilgitar	28.04.2022	41.7	32.6
Chhapora	28.04.2022	39.4	28.3
Armuda	28.04.2022	38.9	31.5
Devalsura	28.04.2022	38.3	32.7

MONTHLY ENVIRONMENTAL PERFORMANCE REPORT

MONTH: MAY-2022

1.1 (a) Ground water Quality Plant nearby village:- Chhapora

Parameters	Unit	Ground Water 17.05.2022
Temperature	degree C	27 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	385
TDS	mg/lit	250
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	145
Mg-Hardness as CaCO ₃	mg/lit	105
BOD	mg/lit	1.0
COD	mg/lit	3.2
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.48
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	5.1
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 17.05.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr ₆₊	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.155
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.030
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (b) Ground water Quality near Ash Dyke village: Kandagarh

Parameters	Unit	Ground Water 17.05.2022
Temperature	degree C	28 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	365

TDS	mg/lit	237
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	148
Mg-Hardness as CaCO ₃	mg/lit	110
BOD	mg/lit	1.0
COD	mg/lit	3.1
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.44
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	4.8
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 17.05.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr ₆ ⁺	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.165
Copper	mg/lit	0.016
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.056
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (c) Ground water Quality Plant nearby village: :- **Mehloi**

Parameters	Unit	Ground Water 17.05.2022
Temperature	degree C	27 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	315
TDS	mg/lit	205
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	135
Mg-Hardness as CaCO ₃	mg/lit	89
BOD	mg/lit	1.1
COD	mg/lit	3.5
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.42
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	5.2
E-coli	MPN/100ml	Absent

1.1 (d) Ground water Quality near Ash Dyke village: **Jhilgitar**

Parameters	Unit	Ground Water 17.05.2022
Temperature	degree C	28 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	370
TDS	mg/lit	241
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	148
Mg-Hardness as CaCO ₃	mg/lit	95
BOD	mg/lit	1.0
COD	mg/lit	3.2
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.46
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	5.7
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 17.05.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr ₆ ⁺	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.170
Copper	mg/lit	0.017
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.060
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.2 (e) Ground water(heavy metal) Quality Plant nearby village:- **Bodajhariya**

Parameters	Unit	Ground Water 17.05.2022
Temperature	degree C	28 deg. C
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr ₆ ⁺	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.195
Copper	mg/lit	0.014
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.072
Cadmium	mg/lit	BDL (DL:0.0027)

Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (f) Ground water(heavy metal) Quality Plant nearby village:- Dewalsura

Parameters	Unit	Ground Water 17.05.2022
Temperature	degree C	27 deg. C
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr6+	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.185
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.035
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (g) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 17.05.2022
Temperature	degree C	28 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	485
TDS	mg/lit	315
TSS	mg/lit	19
Ca-Hardness as CaCO3	mg/lit	140
Mg-Hardness as CaCO3	mg/lit	90
BOD	mg/lit	5.3
COD	mg/lit	16
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.56
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	175
E-coli	MPN/100ml	Absent

Parameters	Unit	Surface Water 17.05.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr6+	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.275
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.058

Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (h) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 17.05.2022
Temperature	degree C	28 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	465
TDS	mg/lit	279
TSS	mg/lit	16
Ca-Hardness as CaCO ₃	mg/lit	131
Mg-Hardness as CaCO ₃	mg/lit	85
BOD	mg/lit	4.9
COD	mg/lit	15
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.44
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	165
E-coli	MPN/100ml	Absent

Parameters	Unit	Surface Water 17.05.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr ⁶⁺	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.255
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.042
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (i) Surface water : Kelo river

Parameters	Unit	Surface Water 17.05.2022
Temperature	degree C	29 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	280
TDS	mg/lit	182
TSS	mg/lit	10
Ca-Hardness as CaCO ₃	mg/lit	65
Mg-Hardness as CaCO ₃	mg/lit	32

BOD	mg/lit	4.6
COD	mg/lit	15
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.30
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	195
E-coli	MPN/100ml	Absent

Parameters	Unit	Surface Water 17.05.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr6+	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.275
Copper	mg/lit	0.024
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.075
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 02.05.2022	Chhapora 05.05.2022	Chhapora 09.05.2022	Chhapora 12.05.2022	Chhapora 16.05.2022	Chhapora 19.05.2022
SO ₂ (µg/m ³)	80	18.47	19.41	20.47	17.47	21.62	19.63
NO ₂ (µg/m ³)	80	22.76	22.53	21.39	19.63	24.11	22.67
PM 10 (µg/m ³)	100	47.21	45.84	44.17	41.97	48.63	40.58
PM 2.5 (µg/m ³)	60	25.87	22.28	23.67	23.38	23.47	23.76
Ozone (µg/m ³)	180	27.36	26.18	28.06	27.58	28.45	29.01
CO (mg /m ³)	4	0.39	0.35	0.40	0.38	0.36	0.41
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 23.05.2022	Chhapora 26.05.2022	Chhapora 30.05.2022	Kandagarh 02.05.2022	Kandagarh 05.05.2022	Kandagarh 09.05.2022
SO ₂ (µg/m ³)	80	20.69	19.62	22.67	19.67	18.23	22.47
NO ₂ (µg/m ³)	80	23.47	22.79	24.13	22.47	22.79	24.63
PM 10 (µg/m ³)	100	45.29	47.43	43.76	46.74	47.37	47.23
PM 2.5 (µg/m ³)	60	21.67	22.59	22.59	26.93	25.69	24.15
Ozone (µg/m ³)	180	28.67	29.46	30.11	28.56	29.52	30.12
CO (mg /m ³)	4	0.45	0.39	0.41	0.41	0.38	0.43
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<5	<0.5	<0.5

Parameters	Limit*	Kandagarh 12.05.2022	Kandagarh 16.05.2022	Kandagarh 19.05.2022	Kandagarh 23.05.2022	Kandagarh 26.05.2022	Kandagarh 30.05.2022
SO ₂ (µg/m ³)	80	19.37	20.36	22.39	20.68	21.27	19.27
NO ₂ (µg/m ³)	80	22.74	22.37	24.14	24.14	23.61	21.86
PM 10 (µg/m ³)	100	43.97	42.87	48.62	47.62	44.18	41.67
PM 2.5 (µg/m ³)	60	25.17	26.16	26.39	22.19	24.87	22.87
Ozone (µg/m ³)	180	29.55	31.24	28.41	30.19	31.18	30.59
CO (mg /m ³)	4	0.46	0.39	0.45	0.44	0.39	0.36
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 03.05.2022	Devalsura 06.05.2022	Devalsura 10.05.2022	Devalsura 13.05.2022	Devalsura 17.05.2022	Devalsura 20.05.2022
SO ₂ (µg/m ³)	80	20.47	22.74	20.63	22.57	19.63	20.47
NO ₂ (µg/m ³)	80	22.26	24.69	23.74	24.63	22.54	24.19
PM 10 (µg/m ³)	100	46.87	48.21	45.24	46.78	46.37	44.38
PM 2.5 (µg/m ³)	60	24.17	27.48	25.68	24.15	28.63	22.74
Ozone (µg/m ³)	180	27.98	28.04	28.67	30.12	29.41	29.56
CO (mg /m ³)	4	0.38	0.36	0.39	0.39	0.40	0.38
Hydrocarbons (PPM)		<5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 24.05.2022	Devalsura 27.05.2022	Devalsura 31.05.2022	Rengalpali 03.05.2022	Rengalpali 06.05.2022	Rengalpali 10.05.2022
SO ₂ (µg/m ³)	80	22.47	21.47	22.71	21.47	18.63	20.28
NO ₂ (µg/m ³)	80	24.69	24.58	24.28	23.52	20.49	23.47
PM 10 (µg/m ³)	100	48.74	48.37	46.37	48.63	46.37	43.68
PM 2.5 (µg/m ³)	60	27.41	23.85	25.78	28.49	28.63	23.37
Ozone (µg/m ³)	180	28.43	29.05	30.12	29.04	30.24	31.05
CO (mg /m ³)	4	0.39	0.41	0.39	0.41	0.43	0.42
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 13.05.2022	Rengalpali 17.05.2022	Rengalpali 20.05.2022	Rengalpali 24.05.2022	Rengalpali 27.05.2022	Rengalpali 31.05.2022
SO ₂ (µg/m ³)	80	20.47	23.52	20.41	22.57	21.47	23.67
NO ₂ (µg/m ³)	80	23.56	23.79	22.33	24.63	23.34	25.12
PM 10 (µg/m ³)	100	42.79	48.25	44.79	46.79	44.78	49.62
PM 2.5 (µg/m ³)	60	23.57	27.41	25.87	23.67	26.98	28.22
Ozone (µg/m ³)	180	30.89	30.47	31.55	31.27	30.46	29.06
CO (mg /m ³)	4	0.44	0.41	0.39	0.40	0.42	0.45
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 19.05.2022	Kandagarh 19.05.2022	Devalsura 24.05.2022	Rengalpali 24.05.2022
Mercury (µg/m ³)		<0.05	<0.05	<0.05	<0.05

* 24 hour weighted average for SO₂, NO₂, PM₁₀, PM_{2.5} and 1 hour weighted average for CO & Ozone.

3.0 Noise Level:

Location	Date	Noise Level [dB (A)]	
		Day Time	Night Time
1. Plant Locations			
Township Area	30.05.2022	40.2	33.7
CHP Area	30.05.2022	42.8	37.5
CCR Area	30.05.2022	51.4	40.2
Material Gate	30.05.2022	41.7	32.8
Main Gate Area	30.05.2022	43.6	38.3
2. Nearby Villages			
Kandagarh	30.05.2022	38.5	30.8
Jhilgitar	30.05.2022	39.4	29.3
Chhapora	30.05.2022	40.6	31.5
Armuda	30.05.2022	37.2	28.4
Devalsura	30.05.2022	40.3	33.7

MONTHLY ENVIRONMENTAL PERFORMANCE REPORT

MONTH: JUNE-2022

1.1 (a) Ground water Quality Plant nearby village:- Chhapora

Parameters	Unit	Ground Water 18.06.2022
Temperature	degree C	27.5 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	380
TDS	mg/lit	247
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	142
Mg-Hardness as CaCO ₃	mg/lit	102
BOD	mg/lit	1.0
COD	mg/lit	3.4
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.42
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	5.2
E-coli	MPN/100ml	Absent

1.1 (b) Ground water Quality near Ash Dyke village: Kandagarh

Parameters	Unit	Ground Water 18.06.2022
Temperature	degree C	28 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	360
TDS	mg/lit	234
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	138
Mg-Hardness as CaCO ₃	mg/lit	98
BOD	mg/lit	1.0
COD	mg/lit	3.2
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.46

Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	4.4
E-coli	MPN/100ml	Absent

1.1 (c) Ground water Quality Plant nearby village: :- Mehloi

Parameters	Unit	Ground Water 18.06.2022
Temperature	degree C	28 deg. C
pH Value		7.2
Electrical Conductivity	microS/cm	310
TDS	mg/lit	202
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	130
Mg-Hardness as CaCO ₃	mg/lit	92
BOD	mg/lit	1.0
COD	mg/lit	3.2
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.43
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	5.1
E-coli	MPN/100ml	Absent

1.1 (d) Ground water Quality near Ash Dyke village: Jhilgitar

Parameters	Unit	Ground Water 18.06.2022
Temperature	degree C	28 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	372
TDS	mg/lit	242
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	142
Mg-Hardness as CaCO ₃	mg/lit	96
BOD	mg/lit	1.1
COD	mg/lit	3.4
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.49
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	5.6
E-coli	MPN/100ml	Absent

1.1 (e) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 18.06.2022
Temperature	degree C	28.5 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	472
TDS	mg/lit	307
TSS	mg/lit	22
Ca-Hardness as CaCO ₃	mg/lit	148
Mg-Hardness as CaCO ₃	mg/lit	96
BOD	mg/lit	5.2
COD	mg/lit	17
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.52
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	176
E-coli	MPN/100ml	Absent

1.1 (f) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 18.06.2022
Temperature	degree C	28 deg. C
pH Value		7.2
Electrical Conductivity	microS/cm	461
TDS	mg/lit	300
TSS	mg/lit	18
Ca-Hardness as CaCO ₃	mg/lit	130
Mg-Hardness as CaCO ₃	mg/lit	88
BOD	mg/lit	4.8
COD	mg/lit	15
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.42
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	166
E-coli	MPN/100ml	Absent

1.1 (g) Surface water : Kelo river

Parameters	Unit	Surface Water 18.06.2022
Temperature	degree C	28 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	290
TDS	mg/lit	189
TSS	mg/lit	16
Ca-Hardness as CaCO ₃	mg/lit	72
Mg-Hardness as CaCO ₃	mg/lit	34
BOD	mg/lit	4.9
COD	mg/lit	16
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.35
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	192
E-coli	MPN/100ml	Absent

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 02.06.2022	Chhapora 06.06.2022	Chhapora 09.06.2022	Chhapora 13.06.2022	Chhapora 16.06.2022	Chhapora 20.06.2022
SO ₂ (µg/m ³)	80	13.41	15.42	16.40	17.40	16.60	16.62
NO ₂ (µg/m ³)	80	19.72	20.50	19.39	19.64	20.10	20.67
PM 10 (µg/m ³)	100	48.20	46.80	45.18	46.90	47.62	42.50
PM 2.5 (µg/m ³)	60	24.80	23.28	22.61	24.30	23.40	22.71
Ozone (µg/m ³)	180	42.21	36.60	49.50	34.62	32.12	40.30
CO (mg /m ³)	4	0.36	0.52	0.46	0.43	0.36	0.52
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 23.06.2022	Chhapora 27.06.2022	Chhapora 30.06.2022	Kandagarh 02.06.2022	Kandagarh 06.06.2022	Kandagarh 09.06.2022
SO ₂ (µg/m ³)	80	15.65	18.64	16.60	14.60	15.22	19.40
NO ₂ (µg/m ³)	80	19.40	20.71	22.15	18.40	19.75	22.60
PM 10 (µg/m ³)	100	46.20	47.40	44.76	45.70	46.30	46.20
PM 2.5 (µg/m ³)	60	22.60	22.52	22.20	24.90	24.60	23.10
Ozone (µg/m ³)	180	38.27	37.60	40.82	36.21	32.71	32.62
CO (mg /m ³)	4	0.44	0.35	0.39	0.51	0.42	0.48
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5



Parameters	Limit*	Kandagarh 13.06.2022	Kandagarh 16.06.2022	Kandagarh 20.06.2022	Kandagarh 23.06.2022	Kandagarh 27.06.2022	Kandagarh 30.06.2022
SO ₂ (µg/m ³)	80	18.30	16.35	18.39	17.62	18.20	17.26
NO ₂ (µg/m ³)	80	20.72	20.32	21.14	22.16	20.62	21.80
PM 10 (µg/m ³)	100	45.90	46.80	47.65	46.61	46.11	43.60
PM 2.5 (µg/m ³)	60	24.10	26.10	24.30	23.18	24.82	23.81
Ozone (µg/m ³)	180	36.60	46.51	36.80	38.60	33.94	31.60
CO (mg /m ³)	4	0.47	0.46	0.54	0.44	0.52	0.50
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 03.06.2022	Devalsura 07.06.2022	Devalsura 10.06.2022	Devalsura 14.06.2022	Devalsura 17.06.2022	Devalsura 21.06.2022
SO ₂ (µg/m ³)	80	14.40	16.74	19.63	20.50	18.62	20.40
NO ₂ (µg/m ³)	80	18.25	22.60	21.72	23.62	21.50	23.19
PM 10 (µg/m ³)	100	47.80	47.22	45.26	46.72	47.30	45.30
PM 2.5 (µg/m ³)	60	24.1	26.44	24.60	23.10	26.60	22.72
Ozone (µg/m ³)	180	43.40	36.61	45.80	46.52	34.97	40.50
CO (mg /m ³)	4	0.49	0.44	0.54	0.53	0.45	0.48
Hydrocarbons (PPM)		<5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 24.06.2022	Devalsura 28.06.2022	Rengalpali 03.06.2022	Rengalpali 07.06.2022	Rengalpali 10.06.2022	Rengalpali 14.06.2022
SO ₂ (µg/m ³)	80	19.40	18.40	20.47	18.60	18.20	19.40
NO ₂ (µg/m ³)	80	22.60	22.50	23.51	21.40	22.40	22.50
PM 10 (µg/m ³)	100	45.70	47.30	47.60	45.37	44.60	44.78
PM 2.5 (µg/m ³)	60	26.42	22.80	26.40	25.60	23.30	23.50
Ozone (µg/m ³)	180	38.60	33.60	32.90	38.70	40.40	36.20
CO (mg /m ³)	4	0.34	0.52	0.49	0.41	0.44	0.54
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 17.06.2022	Rengalpali 21.06.2022	Rengalpali 24.06.2022	Rengalpali 28.06.2022
SO ₂ (µg/m ³)	80	18.52	20.40	18.50	21.40
NO ₂ (µg/m ³)	80	21.70	22.30	23.60	23.30
PM 10 (µg/m ³)	100	47.20	45.70	46.70	42.70
PM 2.5 (µg/m ³)	60	26.42	24.80	22.60	26.90
Ozone (µg/m ³)	180	36.20	45.60	36.70	36.40
CO (mg /m ³)	4	0.55	0.53	0.49	0.46
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Bhatanpali Road 09.06.2022
SO ₂ (µg/m ³)	80	18.4
NO ₂ (µg/m ³)	80	22.6
PM 10 (µg/m ³)	100	52.2
PM 2.5 (µg/m ³)	60	34.6
Ozone (µg/m ³)	180	26.6
CO (mg /m ³)	4	0.36
Hydrocarbons (PPM)		<0.5

Parameters	Limit*	Chhapora 20.06.2022	Kandagarh 20.06.2022	Devalsura 24.06.2022	Rengalpali 24.06.2022
Mercury (µg/m ³)		<0.05	<0.05	<0.05	<0.05

* 24 hour weighted average for SO₂, NO₂, PM₁₀, PM_{2.5} and 1 hour weighted average for CO & Ozone.

3.0 Noise Level:

Location	Date	Noise Level [dB (A)]	
		Day Time	Night Time
1. Plant Locations			
Township Area	24.06.2022	42.1	34.6
CHP Area	24.06.2022	43.4	38.3
CCR Area	24.06.2022	52.3	41.2
Material Gate	24.06.2022	42.6	32.2
Main Gate Area	24.06.2022	44.2	37.6
2. Nearby Villages			
Kandagarh	24.06.2022	38.2	30.2
Jhilgitar	24.06.2022	39.1	28.1
Chhapora	24.06.2022	41.2	32.4
Armuda	24.06.2022	38.2	29.2
Devalsura	24.06.2022	37.1	34.6

MONTHLY ENVIRONMENTAL PERFORMANCE REPORT

MONTH: JULY-2022

1.1 (a) Ground water Quality Plant nearby village:- Devalsura

Parameters	Unit	Ground Water 13.07.2022
Temperature	degree C	26 deg. C
pH Value		7.2
Electrical Conductivity	microS/cm	425
TDS	mg/lit	276
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	138
Mg-Hardness as CaCO ₃	mg/lit	76
BOD	mg/lit	1.0
COD	mg/lit	3.2
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.47
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	3.6
E-coli	MPN/100ml	Absent

1.1 (b) Ground water Quality near Ash Dyke village: Kandagarh

Parameters	Unit	Ground Water 13.07.2022
Temperature	degree C	25 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	409
TDS	mg/lit	266
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	136
Mg-Hardness as CaCO ₃	mg/lit	72
BOD	mg/lit	1.1
COD	mg/lit	3.2
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.48
Boron (as B)	mg/lit	BDL (DL:0.1)

Total Coliforms	MPN/100ml	1.1
E-coli	MPN/100ml	Absent

1.1 (c) Ground water Quality Plant nearby village: :- Bodajhariya

Parameters	Unit	Ground Water 13.07.2022
Temperature	degree C	26 deg. C
pH Value		7.1
Electrical Conductivity	microS/cm	434
TDS	mg/lit	282
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	142
Mg-Hardness as CaCO ₃	mg/lit	86
BOD	mg/lit	1.0
COD	mg/lit	3.3
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.50
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	1.8
E-coli	MPN/100ml	Absent

1.1 (d) Ground water Quality near Ash Dyke village: Jhilgitar

Parameters	Unit	Ground Water 13.07.2022
Temperature	degree C	27 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	440
TDS	mg/lit	286
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	120
Mg-Hardness as CaCO ₃	mg/lit	72
BOD	mg/lit	1.1
COD	mg/lit	3.3
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.47
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	5.1
E-coli	MPN/100ml	Absent

1.1 (e) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 13.07.2022
Temperature	degree C	26 deg. C
pH Value		7.2
Electrical Conductivity	microS/cm	489
TDS	mg/lit	318
TSS	mg/lit	37
Ca-Hardness as CaCO ₃	mg/lit	124
Mg-Hardness as CaCO ₃	mg/lit	72
BOD	mg/lit	6.7
COD	mg/lit	21
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.49
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	156
E-coli	MPN/100ml	Absent

1.1 (f) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 13.07.2022
Temperature	degree C	26 deg. C
pH Value		7.2
Electrical Conductivity	microS/cm	487
TDS	mg/lit	317
TSS	mg/lit	16
Ca-Hardness as CaCO ₃	mg/lit	130
Mg-Hardness as CaCO ₃	mg/lit	68
BOD	mg/lit	5.6
COD	mg/lit	18
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.48
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	141
E-coli	MPN/100ml	Absent

1.1 (g) Surface water : Kelo river

Parameters	Unit	Surface Water 13.07.2022
Temperature	degree C	26 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	396
TDS	mg/lit	257
TSS	mg/lit	12
Ca-Hardness as CaCO ₃	mg/lit	112
Mg-Hardness as CaCO ₃	mg/lit	68
BOD	mg/lit	5.2
COD	mg/lit	17
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.46
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliforms	MPN/100ml	132
E-coli	MPN/100ml	Absent

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 04.07.2022	Chhapora 07.07.2022	Chhapora 11.07.2022	Chhapora 14.07.2022	Chhapora 18.07.2022	Chhapora 21.07.2022
SO ₂ (µg/m ³)	80	14.05	16.11	13.27	15.55	14.09	15.17
NO ₂ (µg/m ³)	80	20.79	23.84	19.64	23.01	20.85	22.45
PM 10 (µg/m ³)	100	45.90	42.40	39.33	42.33	39.18	48.07
PM 2.5 (µg/m ³)	60	22.08	21.81	19.26	22.08	19.91	24.16
Ozone (µg/m ³)	180	41.06	35.45	48.35	33.47	30.97	39.15
CO (mg /m ³)	4	0.31	0.47	0.41	0.38	0.45	0.53
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 25.07.2022	Chhapora 28.07.2022	Kandagarh 04.07.2022	Kandagarh 07.07.2022	Kandagarh 11.07.2022	Kandagarh 14.07.2022
SO ₂ (µg/m ³)	80	16.04	14.37	17.27	18.01	16.58	16.02
NO ₂ (µg/m ³)	80	23.74	21.27	22.97	23.95	22.05	21.31
PM 10 (µg/m ³)	100	41.66	34.23	40.20	45.31	41.78	47.93
PM 2.5 (µg/m ³)	60	20.98	17.08	20.33	22.91	20.41	24.48
Ozone (µg/m ³)	180	37.12	36.45	35.06	31.56	39.04	41.26
CO (mg /m ³)	4	0.41	0.46	0.44	0.52	0.47	0.52
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Kandagarh 18.07.2022	Kandagarh 21.07.2022	Kandagarh 25.07.2022	Kandagarh 28.07.2022	Devalsura 01.07.2022	Devalsura 05.07.2022
SO ₂ (µg/m ³)	80	17.89	16.33	17.05	18.36	15.78	15.09
NO ₂ (µg/m ³)	80	23.79	21.72	22.68	24.42	20.99	20.07
PM 10 (µg/m ³)	100	41.05	42.70	39.07	38.59	35.33	35.64
PM 2.5 (µg/m ³)	60	20.41	21.48	19.42	19.16	17.28	17.05
Ozone (µg/m ³)	180	45.36	39.44	37.50	32.84	42.30	35.51
CO (mg /m ³)	4	0.51	0.57	0.49	0.53	0.51	0.46
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<5	<0.5

Parameters	Limit*	Devalsura 08.07.2022	Devalsura 12.07.2022	Devalsura 15.07.2022	Devalsura 19.07.2022	Devalsura 22.07.2022	Devalsura 26.07.2022
SO ₂ (µg/m ³)	80	17.43	18.88	16.43	15.07	16.12	17.09
NO ₂ (µg/m ³)	80	23.18	25.11	21.85	20.04	21.44	22.73
PM 10 (µg/m ³)	100	37.55	37.17	36.21	30.23	31.85	30.13
PM 2.5 (µg/m ³)	60	18.85	18.44	18.10	16.18	17.01	15.83
Ozone (µg/m ³)	180	44.70	45.42	33.87	39.40	37.50	43.18
CO (mg /m ³)	4	0.56	0.55	0.47	0.50	0.48	0.43
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 29.07.2022	Rengalpali 01.07.2022	Rengalpali 05.07.2022	Rengalpali 08.07.2022	Rengalpali 12.07.2022	Rengalpali 15.07.2022
SO ₂ (µg/m ³)	80	18.11	17.04	16.59	18.24	18.25	17.36
NO ₂ (µg/m ³)	80	24.09	22.66	22.06	24.26	24.27	23.09
PM 10 (µg/m ³)	100	30.30	38.10	34.05	34.53	38.49	34.53
PM 2.5 (µg/m ³)	60	15.57	19.83	17.42	17.28	19.18	17.69
Ozone (µg/m ³)	180	41.27	31.80	37.60	39.30	42.19	43.07
CO (mg /m ³)	4	0.47	0.44	0.52	0.48	0.49	0.43
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 19.07.2022	Rengalpali 22.07.2022	Rengalpali 26.07.2022	Rengalpali 29.07.2022
SO ₂ (µg/m ³)	80	16.89	18.23	17.89	18.55
NO ₂ (µg/m ³)	80	22.46	24.25	23.79	24.67
PM 10 (µg/m ³)	100	38.16	29.03	32.54	32.28
PM 2.5 (µg/m ³)	60	19.00	16.25	16.18	16.11
Ozone (µg/m ³)	180	44.50	39.98	33.30	41.26
CO (mg /m ³)	4	0.48	0.53	0.49	0.49
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5



Parameters	Limit*	Chhapora 21.07.2022	Kandagarh 21.07.2022	Devalsura 22.07.2022	Rengalpali 22.07.2022
Mercury ($\mu\text{g}/\text{m}^3$)		<0.05	<0.05	<0.05	<0.05

* 24 hour weighted average for SO₂, NO₂, PM₁₀, PM_{2.5} and 1 hour weighted average for CO & Ozone.

3.0 Noise Level:

Location	Date	Noise Level [dB (A)]	
		Day Time	Night Time
1. Plant Locations			
Township Area	30.07.2022	44.3	35.9
CHP Area	30.07.2022	45.7	39.4
CCR Area	30.07.2022	50.8	42.6
Material Gate	30.07.2022	41.5	31.8
Main Gate Area	30.07.2022	45.6	38.7
2. Nearby Villages			
Kandagarh	30.07.2022	36.4	31.5
Jhilgitar	30.07.2022	37.3	29.3
Chhapora	30.07.2022	39.7	32.1
Armuda	30.07.2022	40.1	30.2
Devalsura	30.07.2022	38.7	32.3

MONTHLY ENVIRONMENTAL PERFORMANCE REPORT

MONTH: AUG-2022

1.1 (a) Ground water Quality Plant nearby village:- Chhapora

Parameters	Unit	Ground Water 10.08.2022
Temperature	degree C	26 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	431
TDS	mg/lit	280
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	132
Mg-Hardness as CaCO ₃	mg/lit	74
BOD	mg/lit	1.1
COD	mg/lit	3.3
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.42
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	2.8
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 10.08.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hex Cr ₆₊	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.071
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	BDL (DL:0.02)
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (b) Ground water Quality near Ash Dyke village: Kandagarh

Parameters	Unit	Ground Water 10.08.2022
Temperature	degree C	26 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	398

TDS	mg/lit	259
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	138
Mg-Hardness as CaCO ₃	mg/lit	76
BOD	mg/lit	1.1
COD	mg/lit	3.2
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.51
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	1.9
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 10.08.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr ₆ ⁺	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.099
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.056
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (c) Ground water Quality Plant nearby village: :- **Mehloi**

Parameters	Unit	Ground Water 10.08.2022
Temperature	degree C	26 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	418
TDS	mg/lit	272
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	128
Mg-Hardness as CaCO ₃	mg/lit	68
BOD	mg/lit	1.0
COD	mg/lit	3.2
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.46
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	2.0
E-coli	MPN/100ml	Absent

1.2 (d) Ground water Quality near Ash Dyke village: **Jhilgitar**

Parameters	Unit	Ground Water 10.08.2022
Temperature	degree C	26 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	424
TDS	mg/lit	276
TSS	mg/lit	BDL(DL:5)
Ca-Hardness as CaCO ₃	mg/lit	124
Mg-Hardness as CaCO ₃	mg/lit	72
BOD	mg/lit	1.1
COD	mg/lit	3.4
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.44
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	2.6
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 10.08.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr ⁶⁺	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.070
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	BDL (DL:0.02)
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (e) Ground water(heavy metal) Quality Plant nearby village:- **Bodajhariya**

Parameters	Unit	Ground Water 10.08.2022
Temperature	degree C	26 deg. C
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr ⁶⁺	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.100
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.072
Cadmium	mg/lit	BDL (DL:0.0027)

Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (f) Ground water(heavy metal) Quality Plant nearby village:- Dewalsura

Parameters	Unit	Ground Water 10.08.2022
Temperature	degree C	27 deg. C
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr6+	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.090
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	0.020
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (g) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 10.08.2022
Temperature	degree C	27 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	494
TDS	mg/lit	321
TSS	mg/lit	48
Ca-Hardness as CaCO ₃	mg/lit	118
Mg-Hardness as CaCO ₃	mg/lit	64
BOD	mg/lit	6.1
COD	mg/lit	20
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.52
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	138
E-coli	MPN/100ml	Absent

Parameters	Unit	Surface Water 10.08.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr6+	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.241
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	BDL (DL:0.02)
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (h) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 10.08.2022
Temperature	degree C	27 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	482
TDS	mg/lit	313
TSS	mg/lit	42
Ca-Hardness as CaCO ₃	mg/lit	114
Mg-Hardness as CaCO ₃	mg/lit	64
BOD	mg/lit	5.5
COD	mg/lit	18
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.46
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	126
E-coli	MPN/100ml	Absent

Parameters	Unit	Surface Water 10.08.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr6+	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.093
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	BDL (DL:0.02)
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

1.1 (i) Surface water : Kelo river

Parameters	Unit	Surface Water 10.08.2022
Temperature	degree C	27 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	416
TDS	mg/lit	270
TSS	mg/lit	36
Ca-Hardness as CaCO ₃	mg/lit	110
Mg-Hardness as CaCO ₃	mg/lit	62
BOD	mg/lit	5.9
COD	mg/lit	19
Oil & Grease	mg/lit	BDL (DL:1)
Fluoride (as F)	mg/lit	0.51
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	121
E-coli	MPN/100ml	Absent

Parameters	Unit	Surface Water 10.08.2022
Mercury	mg/lit	BDL (DL:0.0005)
Chromium Hexa Cr ⁶⁺	mg/lit	BDL (DL:0.02)
Iron	mg/lit	0.292
Copper	mg/lit	BDL (DL:0.01)
Chromium Total	mg/lit	BDL (DL:0.01)
Zinc	mg/lit	BDL (DL:0.02)
Cadmium	mg/lit	BDL (DL:0.0027)
Lead	mg/lit	BDL (DL:0.008)
Arsenic	mg/lit	BDL (DL:0.007)

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 01.08.2022	Chhapora 04.08.2022	Chhapora 08.08.2022	Chhapora 11.08.2022	Chhapora 15.08.2022	Chhapora 18.08.2022
SO ₂ (µg/m ³)	80	16.89	14.01	14.56	15.11	16.78	15.34
NO ₂ (µg/m ³)	80	22.71	20.56	22.48	19.67	21.88	23.05
PM 10 (µg/m ³)	100	43.55	45.14	41.89	43.37	41.75	42.92
PM 2.5 (µg/m ³)	60	19.11	20.98	18.67	18.33	17.01	17.76
Ozone (µg/m ³)	180	36.37	47.06	42.16	38.01	40.16	41.79
CO (mg /m ³)	4	0.39	0.42	0.36	0.39	0.41	0.44
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 22.08.2022	Chhapora 25.08.2022	Chhapora 29.08.2022	Kandagarh 01.08.2022	Kandagarh 04.08.2022	Kandagarh 08.08.2022
SO ₂ (µg/m ³)	80	14.26	15.01	16.33	17.59	17.11	18.06
NO ₂ (µg/m ³)	80	22.47	21.97	22.56	24.11	23.57	22.47
PM 10 (µg/m ³)	100	40.43	42.70	43.63	47.10	43.76	43.92
PM 2.5 (µg/m ³)	60	16.66	18.29	17.91	21.48	19.91	18.59
Ozone (µg/m ³)	180	39.94	38.60	41.42	33.55	37.49	42.83
CO (mg /m ³)	4	0.42	0.38	0.41	0.47	0.41	0.48
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Kandagarh 11.08.2022	Kandagarh 15.08.2022	Kandagarh 18.08.2022	Kandagarh 22.08.2022	Kandagarh 25.08.2022	Kandagarh 29.08.2022
SO ₂ (µg/m ³)	80	19.06	18.55	18.37	17.59	19.01	18.78
NO ₂ (µg/m ³)	80	23.04	23.98	24.14	23.87	22.91	23.46
PM 10 (µg/m ³)	100	42.87	43.62	43.03	44.28	42.78	43.95
PM 2.5 (µg/m ³)	60	16.66	17.42	18.33	19.42	18.75	19.08
Ozone (µg/m ³)	180	39.19	43.05	41.72	42.16	40.16	39.64
CO (mg /m ³)	4	0.50	0.52	0.48	0.46	0.49	0.50
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 02.08.2022	Devalsura 05.08.2022	Devalsura 09.08.2022	Devalsura 12.08.2022	Devalsura 16.08.2022	Devalsura 19.08.2022
SO ₂ (µg/m ³)	80	17.89	18.11	19.24	18.65	19.01	17.47
NO ₂ (µg/m ³)	80	23.89	24.11	24.96	25.04	25.37	23.78
PM 10 (µg/m ³)	100	42.92	43.00	42.65	43.80	44.62	43.82
PM 2.5 (µg/m ³)	60	19.08	20.41	19.50	19.08	18.67	19.50
Ozone (µg/m ³)	180	41.64	42.38	43.94	40.08	38.60	42.53
CO (mg /m ³)	4	0.52	0.53	0.49	0.48	0.52	0.51
Hydrocarbons (PPM)		<5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 23.08.2022	Devalsura 26.08.2022	Devalsura 30.08.2022	Rengalpali 02.08.2022	Rengalpali 05.08.2022	Rengalpali 09.08.2022
SO ₂ (µg/m ³)	80	18.24	18.36	17.86	15.79	16.16	16.78
NO ₂ (µg/m ³)	80	24.16	23.92	22.51	20.48	21.99	22.31
PM 10 (µg/m ³)	100	43.04	42.95	43.25	46.98	48.38	47.68
PM 2.5 (µg/m ³)	60	18.67	18.33	19.08	21.48	24.16	20.74
Ozone (µg/m ³)	180	43.05	43.65	42.01	39.64	40.23	38.52
CO (mg /m ³)	4	0.49	0.52	0.51	0.48	0.46	0.47
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 12.08.2022	Rengalpali 16.08.2022	Rengalpali 19.08.2022	Rengalpali 23.08.2022	Rengalpali 26.08.2022	Rengalpali 30.08.2022
SO ₂ (µg/m ³)	80	17.04	15.48	16.13	17.04	16.58	15.87
NO ₂ (µg/m ³)	80	21.46	22.05	23.14	22.47	21.08	20.16
PM 10 (µg/m ³)	100	46.84	47.41	46.82	45.85	46.46	47.41
PM 2.5 (µg/m ³)	60	21.57	20.33	19.91	19.42	20.83	21.16
Ozone (µg/m ³)	180	36.82	40.16	41.57	39.86	40.38	38.75
CO (mg /m ³)	4	0.50	0.51	0.48	0.49	0.46	0.47
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 18.08.2022	Kandagarh 18.08.2022	Devalsura 23.08.2022	Rengalpali 23.08.2022
Mercury ($\mu\text{g}/\text{m}^3$)		<0.05	<0.05	<0.05	<0.05

* 24 hour weighted average for SO₂, NO₂, PM₁₀, PM_{2.5} and 1 hour weighted average for CO & Ozone.

3.0 Noise Level:

Location	Date	Noise Level [dB (A)]	
		Day Time	Night Time
1. Plant Locations			
Township Area	31.08.2022	41.6	33.7
CHP Area	31.08.2022	46.3	40.4
CCR Area	31.08.2022	49.9	42.5
Material Gate	31.08.2022	41.7	32.4
Main Gate Area	31.08.2022	44.3	39.2
2. Nearby Villages			
Kandagarh	31.08.2022	33.1	30.5
Jhilgitar	31.08.2022	37.3	31.2
Chhapora	31.08.2022	35.2	32.3
Armuda	31.08.2022	31.7	29.2
Devalsura	31.08.2022	32.9	30.5

MONTHLY ENVIRONMENTAL PERFORMANCE REPORT

MONTH: SEP-2022

1.1 (a) Ground water Quality Plant nearby village: :- Dewalsura

Parameters	Unit	Ground Water 14.09.2022
Temperature	degree C	27 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	515
TDS	mg/lit	335
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	140
Mg-Hardness as CaCO ₃	mg/lit	82
BOD	mg/lit	1.6
COD	mg/lit	5.0
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.480
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	3.6
E-coli	MPN/100ml	Absent

1.1 (b) Ground water Quality near Ash Dyke village: Kandagarh

Parameters	Unit	Ground Water 14.09.2022
Temperature	degree C	26 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	542
TDS	mg/lit	352
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	168
Mg-Hardness as CaCO ₃	mg/lit	84
BOD	mg/lit	1.3
COD	mg/lit	4.0
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.460
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	1.1
E-coli	MPN/100ml	Absent

1.1 (c) Ground water Quality Plant nearby village:- Bodajhariya

Parameters	Unit	Ground Water 14.09.2022
Temperature	degree C	26 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	519
TDS	mg/lit	314
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	140
Mg-Hardness as CaCO ₃	mg/lit	72
BOD	mg/lit	1.4
COD	mg/lit	4.0
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.50
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	2.2
E-coli	MPN/100ml	Absent

1.1 (d) Ground water Quality near Ash Dyke village: Jhlgitar

Parameters	Unit	Ground Water 14.09.2022
Temperature	degree C	26 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	517
TDS	mg/lit	310
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	136
Mg-Hardness as CaCO ₃	mg/lit	76
BOD	mg/lit	1.6
COD	mg/lit	5.0
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.47
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	5.1
E-coli	MPN/100ml	Absent

1.1 (e) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 14.09.2022
Temperature	degree C	27 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	285
TDS	mg/lit	171
TSS	mg/lit	20
Ca-Hardness as CaCO ₃	mg/lit	78
Mg-Hardness as CaCO ₃	mg/lit	38
BOD	mg/lit	3.5
COD	mg/lit	12
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.41
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	28
E-coli	MPN/100ml	Absent

1.1 (f) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 14.09.2022
Temperature	degree C	27 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	269
TDS	mg/lit	175
TSS	mg/lit	14
Ca-Hardness as CaCO ₃	mg/lit	56
Mg-Hardness as CaCO ₃	mg/lit	28
BOD	mg/lit	3.6
COD	mg/lit	12
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.41
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	26
E-coli	MPN/100ml	Absent

1.1 (g) Surface water : Kelo river

Parameters	Unit	Surface Water 14.09.2022
Temperature	degree C	28 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	359
TDS	mg/lit	215
TSS	mg/lit	10
Ca-Hardness as CaCO ₃	mg/lit	102
Mg-Hardness as CaCO ₃	mg/lit	46
BOD	mg/lit	3.7
COD	mg/lit	13
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.40
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	9.3
E-coli	MPN/100ml	Absent

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 01.09.2022	Chhapora 05.09.2022	Chhapora 08.09.2022	Chhapora 12.09.2022	Chhapora 15.09.2022	Chhapora 19.09.2022
SO ₂ (µg/m ³)	80	17.44	18.01	17.55	16.18	18.29	19.06
NO ₂ (µg/m ³)	80	23.06	24.06	23.89	20.42	23.74	24.19
PM 10 (µg/m ³)	100	47.77	46.83	49.49	48.07	46.88	45.96
PM 2.5 (µg/m ³)	60	19.58	18.33	20.74	19.91	18.33	16.59
Ozone (µg/m ³)	180	37.26	41.35	39.64	38.30	40.53	42.16
CO (mg /m ³)	4	0.41	0.43	0.37	0.45	0.42	0.38
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 22.09.2022	Chhapora 26.09.2022	Chhapora 29.09.2022	Kandagarh 01.09.2022	Kandagarh 05.09.2022	Kandagarh 08.09.2022
SO ₂ (µg/m ³)	80	17.11	18.26	19.54	19.01	20.57	21.04
NO ₂ (µg/m ³)	80	25.06	24.16	23.57	24.58	25.06	24.18
PM 10 (µg/m ³)	100	47.94	44.84	43.71	48.01	49.35	44.83
PM 2.5 (µg/m ³)	60	19.16	17.91	16.66	20.00	20.83	18.16
Ozone (µg/m ³)	180	43.35	41.87	43.57	34.22	39.42	40.16
CO (mg /m ³)	4	0.46	0.44	0.39	0.43	0.39	0.45
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Kandagarh 12.09.2022	Kandagarh 15.09.2022	Kandagarh 19.09.2022	Kandagarh 22.09.2022	Kandagarh 26.09.2022	Kandagarh 29.09.2022
SO ₂ (µg/m ³)	80	19.88	18.94	20.06	21.17	20.32	19.44
NO ₂ (µg/m ³)	80	24.09	25.67	25.37	24.41	25.09	24.37
PM 10 (µg/m ³)	100	47.08	46.23	44.56	43.98	45.99	42.50
PM 2.5 (µg/m ³)	60	21.00	18.75	17.50	16.66	18.33	17.08
Ozone (µg/m ³)	180	36.22	41.12	40.23	44.09	40.08	42.16
CO (mg /m ³)	4	0.43	0.44	0.49	0.47	0.41	0.45
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 02.09.2022	Devalsura 06.09.2022	Devalsura 09.09.2022	Devalsura 13.09.2022	Devalsura 16.09.2022	Devalsura 20.09.2022
SO ₂ (µg/m ³)	80	18.79	21.64	21.79	23.06	22.30	19.78
NO ₂ (µg/m ³)	80	24.54	26.89	27.06	27.11	26.09	25.07
PM 10 (µg/m ³)	100	45.43	44.89	45.07	47.01	48.92	44.03
PM 2.5 (µg/m ³)	60	19.16	17.91	19.50	20.83	22.08	18.75
Ozone (µg/m ³)	180	45.06	41.20	47.51	43.13	39.94	45.87
CO (mg /m ³)	4	0.58	0.49	0.56	0.52	0.48	0.46
Hydrocarbons (PPM)		<5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 23.09.2022	Devalsura 27.09.2022	Devalsura 30.09.2022	Rengalpali 02.09.2022	Rengalpali 06.09.2022	Rengalpali 09.09.2022
SO ₂ (µg/m ³)	80	21.03	20.56	19.88	18.47	17.46	19.05
NO ₂ (µg/m ³)	80	25.18	24.17	23.94	23.05	21.06	22.48
PM 10 (µg/m ³)	100	43.69	49.14	46.42	45.96	47.01	49.34
PM 2.5 (µg/m ³)	60	17.84	22.91	21.16	18.75	20.00	21.25
Ozone (µg/m ³)	180	42.46	41.64	39.19	40.97	36.15	41.72
CO (mg /m ³)	4	0.51	0.53	0.49	0.50	0.49	0.46
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 13.09.2022	Rengalpali 16.09.2022	Rengalpali 20.09.2022	Rengalpali 23.09.2022	Rengalpali 27.09.2022	Rengalpali 30.09.2022
SO ₂ (µg/m ³)	80	20.12	18.43	19.06	18.77	19.64	17.12
NO ₂ (µg/m ³)	80	24.16	25.06	24.62	23.96	22.49	21.06
PM 10 (µg/m ³)	100	46.22	44.43	43.40	46.49	48.73	45.13
PM 2.5 (µg/m ³)	60	19.16	17.91	16.94	19.58	20.83	18.33
Ozone (µg/m ³)	180	38.75	41.49	44.31	45.13	39.27	40.01
CO (mg /m ³)	4	0.48	0.52	0.47	0.41	0.49	0.53
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Bhatanpali road 09.09.2022
SO ₂ (µg/m ³)	80	22.59
NO ₂ (µg/m ³)	80	28.67
PM 10 (µg/m ³)	100	57.68
PM 2.5 (µg/m ³)	60	31.01
Ozone (µg/m ³)	180	49.78
CO (mg /m ³)	4	0.59
Hydrocarbons (PPM)		<0.5

Parameters	Limit*	Chhapora 19.09.2022	Kandagarh 19.09.2022	Devalsura 23.09.2022	Rengalpali 23.09.2022
Mercury (µg/m ³)		<0.05	<0.05	<0.05	<0.05

* 24 hour weighted average for SO₂, NO₂, PM₁₀, PM_{2.5} and 1 hour weighted average for CO & Ozone.

3.0 Noise Level:

Location	Date	Noise Level [dB (A)]	
		Day Time	Night Time
1. Plant Locations			
Township Area	29.09.2022	42.5	31.6
CHP Area	29.09.2022	47.1	41.3
CCR Area	29.09.2022	47.8	43.5
Material Gate	29.09.2022	42.4	33.5
Main Gate Area	29.09.2022	43.4	36.4
2. Nearby Villages			
Kandagarh	29.09.2022	35.6	30.1
Jhlgitar	29.09.2022	36.8	32.4
Chhapora	29.09.2022	37.4	33.7
Armuda	29.09.2022	32.4	30.2
Devalsura	29.09.2022	34.3	29.6

*BQL: Below Quantification Limit

*LOQ: Limit of Quantification