

Ref: Lara/EMG/2023

Date: 02.06.2023

To,
Regional Officer,
Inspector General of Forests,
Integrated Regional Office,
Ministry of Environment, Forest & Climate Change
Raipur.
(mail:- iro.raipur-mefcc@gov.in)

Subject: 21st Six Monthly Environment Compliance Report of NTPC-Lara Station (2X800 MW).

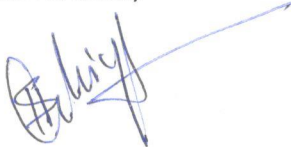
Ref. No.: MoEF & CC, Govt. Of India, New Delhi letter Reference Number: J 13012/79/2007-1A-II (T); dated: 13.12.2012

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 21st Six monthly environmental clearance compliance report for the period 01.10.2022 to 31.03.2023 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: October 2022 TO March 2023)

A. Specific Conditions:

S. No.	Description	Status of Implementation (As on 31.03.2023)
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. Flue can erection completed & commissioning in progress in U#1. Flue can erection completed for U#2. Rs. 384 Crores Expenditure done out of total Rs. 485 Crore Package value.

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.	<p>Complied.</p> <p>Mercury emissions from stack are also monitored on periodic basis. Sample Reports attached.</p>
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 in low lying area is being done in line with MoEF&CC OM dated 28.08.2019 and 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 of FY 2022-23 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.</p> <p>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> <p>Ash utilization in low lying area is being done in line with MoEF&CC OM dated 28.08.2019 and in compliance to the MOEF&CC Notification dated 31.12.2021.</p>
xiii	Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any	Complied. Suitable impermeable media lining provided in all ash dykes.

	<p>point of time.</p> <p>Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.</p> <p>Ash pond water shall be re- circulated and utilized.</p>	<p>The structure of ash dykes is designed, constructed and operated as per State of the Art engineering design and construction with adequate factor of Safety to avert any remote possibility of getting breached.</p> <p>Regular monitoring and inspection of ash dykes and an emergency response system ensure that there are no risks of failure as apprehended.</p> <p>In compliance. Ash Water recirculation system (AWRS) of adequate capacity installed and operational.</p>
xiv	<p>Fugitive emissions shall be controlled to prevent impact on such that no agricultural/ non-agricultural land.</p> <p>Impact to any land shall be mitigated and suitable compensation provided in consultation with the local Panchayat.</p>	<p>Noted, Compliance assured.</p> <p>Compliance assured, if any such conditions arises.</p>
xv	<p>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.</p>	<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	<p>No ground water shall be extracted for use in operation of the power plant even in lean season.</p>	<p>In compliance. Raw water is sourced from Saradih Barrage of Mahanadi river as per the agreement with Chhattisgarh Water Resource Department (CGWRD) for all purposes & No groundwater is being used.</p>
xvii	<p>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.</p>	<p>Noted, Compliance assured.</p>

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	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. 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.	Complied. 13 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. 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 concerned regulatory authority regularly. Reports are being attached.
xxi	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. Monitoring for heavy metals in ground water shall be undertaken.	Monitoring of Surface water quality in the areas are being carried out by MOEF&CC recognized laboratory and the same will be continued. The records are being maintained and submitted to concerned regulatory authority regularly. Reports are being attached. Monitoring for heavy metals in ground water is also being carried out and its records being submitted to concerned regulatory authority regularly.
xxii	Waste water generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB/CPCB.	In compliance.
xxiii	The project proponent shall	Facility for Rainwater harvesting

	<p>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>along with storage capacity created in Township as per availability of land.</p> <p>Rainwater harvesting system provided in township for rainwater collection and 13 pits provided for groundwater recharge.</p> <p>Ground water recharge centers have been constructed as per rainwater harvesting scheme in our plant area & township area.</p>
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.	<p>Complied.</p> <p>Development of common property resource has already been included in R&R plan and CSR Activities.</p>
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.	<p>Complied.</p> <p>These aspects have already been included in R&R Plan and implemented.</p>
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	The said stipulations has already been complied in accordance with the approved R&R Plan.

	measures for marginalized landless farmers whose sustenance were indirectly dependent on the land now proposed for the power project and not owned by them.	
xxviii	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.	Development of neighbouring villages has been covered under Rehabilitation Action Plan and Community Development activities planned under Corporate Social Responsibility. The activities include development of concrete roads with drains, infrastructure facilities in schools, hand pumps and wells, Water supply facilities in affected villages, renovation and rehabilitation of water bodies/ ponds, water shed development etc.
xxix	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.	Plan for CD/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. The details of CD/CSR works undertaken has been attached
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.
xxxi	It shall be ensured that an in-built monitoring mechanism for the CSR	Need based Assessment Survey has been carried out through M/s

	<p>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.</p>	<p>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.</p> <p>There is three tier in-house monitoring mechanism in NTPC. Monitoring of work by Site-R&R (headed by AGM), RHQ-R&R, Corporate-R&R and CSR departments (headed by Executive Director).</p>
xxxii	<p>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>	<p>a) Green belt developed. Additional Plantation is being done by engaging local people and through contracts awarded to Chhattisgarh Rajya Van Vikas Nigam Limited in the land available in Plant, Township and ash dyke area as per final layout of St-I.</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	<p>An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Organization.</p>	<p>In compliance.</p>

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 of 1.7MLD capacity is operational. Entire STP effluent is treated conforming to prescribed standards and 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	<p>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.</p> <p>Sulphur content in the liquid fuel will not exceed 0.5%.</p> <p>Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.</p>	<p>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.</p> <p>Being Complied.</p> <p>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.</p>
v	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	<p>Noted, Compliance assured.</p> <p>A first aid Centre is established to provide immediate medical aid to the workers and their family members since 26.09.2014. A 24hour ambulance is in service at site for emergent requirements.</p> <p>All arrangements related to first aid</p>

		<p>health & safety and sanitation for contract workers during construction phase of the project was kept under the EPC contract. However, NTPC has effectively complied the said stipulation.</p> <p>Various measures implemented during construction phase through contractor during construction phase were:</p> <p>Adequate infrastructure facilities, such as sanitation, fuel, restroom, medical facilities, safety, and suitable water supply has been provided to the labor colonies housing the work force during construction phase of the project.</p> <p>Safety equipment such as earplugs and earmuffs, helmets, face shields, safety goggles etc. also has also been provided to workers engaged in high risk areas.</p>
vi	<p>Noise levels emanating from turbines shall be so controlled such that the noise in the work zone 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>Complied.</p> <p>Base line monitoring for Noise level is 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</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>

	reports shall be submitted to the Regional office of this Ministry. The data shall also be put on the website of the company.	
viii	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>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	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 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 .	<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.
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.	<p>Complied.</p> <p>The clearance letter is also available on website of NTPC https://www.ntpc.co.in/about-us/corporate-functions/environment/environment-policy-management</p>
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	<p>Status of compliance of the stipulated environmental clearance conditions uploaded on the NTPC website.</p> <p>https://www.ntpc.co.in/about-us/corporate-functions/environment/status-hyc-reports</p>

	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.	<p>The latest and updated Half Yearly Compliance (HYC) report of EC conditions is regularly being submitted to the Regional Office of MOEF&CC, IRO, Raipur, CPCB Zonal Office & CECB.</p> <p>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.</p>
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.	<p>The annual Environment Statement for financial year ending 31st 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.</p> <p>https://www.ntpc.co.in/about-us/corporate-functions/environment/status-hyc-reports</p>
xiii	The project proponent shall submit six monthly reports on the status of the implementation of the 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>Complied.</p> <p>The half yearly compliance report is being regularly submitted to the concerned statutory authority.</p> <p>The status of compliance of the environmental clearance conditions uploaded on NTPC website and update the same periodically.</p> <p>https://www.ntpc.co.in/about-us/corporate-functions/environment/status-hyc-reports</p> <p>The latest six monthly progress report for the period of October, 2022 to March, 2023 is being submitted herewith.</p>
xiv	Regional office of the Ministry of Environment & Forests will monitor	A complete set of documents including Environmental Impact

	<p>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 NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant.</p>	<p>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 and is being updated the same on six monthly basis.</p> <p>https://www.ntpc.co.in/about-us/corporate-functions/environment/status-hyc-reports</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. 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 authorities and the dates of start of land development work and commissioning of plant.</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 Unit#1 (800 MW) started on 01.10.2019 and of Unit#2 (800 MW) started on 07.11.2020.</p>
xvii	<p>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.</p>	<p>Noted, Compliance assured.</p>
5.	<p>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.</p>	<p>Noted.</p>

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 Public Liability Insurance Act, 1991 and its amendments.	Noted.
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 31.03.2023)
	Coal transportation by road	
i)	The quantities transported	Coal Transportation by road has been

	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.	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 Talaipalli Mines has been completed & operational. Rs. 2047 Crores expenditure has been incurred till date out of total Rs. 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 quantity of water (in KLD) sprinkled daily shall be reported as part of six monthly compliance report.	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 24 KLD.
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.	Noted. Compliance assured. 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. Flue can erection completed & commissioning in progress in U#1. Flue can erection completed for U#2. Rs. 384 Crores Expenditure done out of total Rs. 485 Crore Package value.

		NTPC Lara boilers are equipped with Low NOx burners and OFA dampers.																																																						
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.	Noted. Compliance assured. Wet FGD has been selected at NTPC Lara.																																																						
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 shall be installed.	Noted. Compliance assured.																																																						
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.	<div>Stack Emissions (mg/Nm3):<table><tr><th>Sr. No.</th><th>Description</th><th>Unit</th><th>PM</th><th>SO2</th><th>NOx</th></tr><tr><td>1</td><td>Minimum</td><td>I</td><td>21.14</td><td>1023</td><td>352</td></tr><tr><td>2</td><td>Maximum</td><td>I</td><td>28.70</td><td>1273</td><td>392</td></tr><tr><td>3</td><td>Average</td><td>I</td><td>24.40</td><td>1150</td><td>369</td></tr><tr><td>4</td><td>98% Percentile</td><td>I</td><td>28.36</td><td>1266</td><td>391</td></tr><tr><td>5</td><td>Minimum</td><td>II</td><td>21.57</td><td>1012</td><td>354</td></tr><tr><td>6</td><td>Maximum</td><td>II</td><td>27.44</td><td>1284</td><td>396</td></tr><tr><td>7</td><td>Average</td><td>II</td><td>24.99</td><td>1164</td><td>376</td></tr><tr><td>8</td><td>98% Percentile</td><td>II</td><td>27.41</td><td>1277</td><td>394</td></tr></table></div> <div>Average PLF for 01.10.2022 to 31.03.2023 is 84.1 %. Water Withdrawal Report has been attached. Total power generation is</div>	Sr. No.	Description	Unit	PM	SO2	NOx	1	Minimum	I	21.14	1023	352	2	Maximum	I	28.70	1273	392	3	Average	I	24.40	1150	369	4	98% Percentile	I	28.36	1266	391	5	Minimum	II	21.57	1012	354	6	Maximum	II	27.44	1284	396	7	Average	II	24.99	1164	376	8	98% Percentile	II	27.41	1277	394
Sr. No.	Description	Unit	PM	SO2	NOx																																																			
1	Minimum	I	21.14	1023	352																																																			
2	Maximum	I	28.70	1273	392																																																			
3	Average	I	24.40	1150	369																																																			
4	98% Percentile	I	28.36	1266	391																																																			
5	Minimum	II	21.57	1012	354																																																			
6	Maximum	II	27.44	1284	396																																																			
7	Average	II	24.99	1164	376																																																			
8	98% Percentile	II	27.41	1277	394																																																			

		5877350 MWhr.
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 31.03.2023)
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	Noted. Compliance assured.

	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.	
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. STP in Raigarh recently commissioned and water quantity and treated water quality is yet to be stabilized and finalized. Station in discussion to explore the utilization.

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	EXECUTIVE DIRECTOR, 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 1186.90 Crores (Break-up given in. Annexure-I).</p> <p>The project is at initial stage of commissioning & operation please.</p> <p>Rs.16472.00 Crores</p> <p>Rs. 1066.46 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 31.03.2023 (Crores.)
1.	FGD	485	384
2.	Electrostatic Precipitators	205.58	205.58
3.	Stacks	69.75	69.75
4.	Cooling Towers incl. Civil Works	128.98	128.98
5.	Ash Handling	139.33	134.06
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	5.92
	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		1186.90	1066.46

MONTH: OCT-2022

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

Parameters	Unit	Ground Water 05.10.2022
Temperature	degree C	27 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	558
TDS	mg/lit	324
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	132
Mg-Hardness as CaCO ₃	mg/lit	86
BOD	mg/lit	1.3
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	5.1
E-coli	MPN/100ml	Absent

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

Parameters	Unit	Ground Water 05.10.2022
Temperature	degree C	27 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	527
TDS	mg/lit	310
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	140
Mg-Hardness as CaCO ₃	mg/lit	70
BOD	mg/lit	1.5
COD	mg/lit	5.0
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.49
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	1.5
E-coli	MPN/100ml	Absent

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

Parameters	Unit	Ground Water 05.10.2022
Temperature	degree C	26 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	566
TDS	mg/lit	340
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	138
Mg-Hardness as CaCO ₃	mg/lit	88
BOD	mg/lit	1.7
COD	mg/lit	6.0
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.51
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: Jhilgitar

Parameters	Unit	Ground Water 05.10.2022
Temperature	degree C	26 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	553
TDS	mg/lit	330
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	148
Mg-Hardness as CaCO ₃	mg/lit	84
BOD	mg/lit	1.2
COD	mg/lit	4.0
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.45
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	3.6
E-coli	MPN/100ml	Absent

1.1 (e) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 05.10.2022
Temperature	degree C	27 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	329
TDS	mg/lit	194
TSS	mg/lit	12
Ca-Hardness as CaCO ₃	mg/lit	70
Mg-Hardness as CaCO ₃	mg/lit	52
BOD	mg/lit	3.2
COD	mg/lit	11
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.55
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	27.8
E-coli	MPN/100ml	Absent

1.1 (f) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 05.10.2022
Temperature	degree C	27 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	332
TDS	mg/lit	196
TSS	mg/lit	10
Ca-Hardness as CaCO ₃	mg/lit	72
Mg-Hardness as CaCO ₃	mg/lit	54
BOD	mg/lit	3.1
COD	mg/lit	10
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	21
E-coli	MPN/100ml	Absent

1.1 (g) Surface water : Kelo river

Parameters	Unit	Surface Water 05.10.2022
Temperature	degree C	26 deg. C
pH Value		7.9
Electrical Conductivity	microS/cm	325
TDS	mg/lit	195
TSS	mg/lit	12
Ca-Hardness as CaCO ₃	mg/lit	98
Mg-Hardness as CaCO ₃	mg/lit	36
BOD	mg/lit	2.4
COD	mg/lit	8
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.42
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	7.8
E-coli	MPN/100ml	Absent

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 03.10.2022	Chhapora 06.10.2022	Chhapora 10.10.2022	Chhapora 13.10.2022	Chhapora 17.10.2022	Chhapora 20.10.2022
SO ₂ (µg/m ³)	80	18.67	19.23	16.47	15.37	18.36	20.39
NO ₂ (µg/m ³)	80	21.47	21.79	22.63	20.74	23.37	24.14
PM 10 (µg/m ³)	100	45.68	43.08	41.80	44.70	46.17	47.12
PM 2.5 (µg/m ³)	60	20.83	18.75	16.66	19.58	22.08	23.75
Ozone (µg/m ³)	180	38.75	40.53	41.72	39.64	42.90	44.31
CO (mg /m ³)	4	0.46	0.52	0.55	0.49	0.44	0.47
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 24.10.2022	Chhapora 27.10.2022	Chhapora 31.10.2022	Kandagarh 03.10.2022	Kandagarh 06.10.2022	Kandagarh 10.10.2022
SO ₂ (µg/m ³)	80	17.31	16.27	17.17	19.47	21.14	20.47
NO ₂ (µg/m ³)	80	23.45	22.61	21.76	23.77	22.54	23.39
PM 10 (µg/m ³)	100	49.11	45.77	43.58	42.93	46.57	49.57
PM 2.5 (µg/m ³)	60	26.25	24.58	21.25	19.83	22.91	25.00
Ozone (µg/m ³)	180	39.49	40.08	41.20	36.08	38.82	43.94
CO (mg /m ³)	4	0.42	0.46	0.48	0.39	0.48	0.51
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Kandagarh 13.10.2022	Kandagarh 17.10.2022	Kandagarh 20.10.2022	Kandagarh 24.10.2022	Kandagarh 27.10.2022	Kandagarh 31.10.2022
SO ₂ (µg/m ³)	80	18.56	20.65	19.63	18.54	17.62	19.55
NO ₂ (µg/m ³)	80	21.63	24.51	23.07	24.14	22.79	23.84
PM 10 (µg/m ³)	100	44.20	43.22	45.37	48.00	46.50	43.78
PM 2.5 (µg/m ³)	60	22.08	19.58	21.25	23.75	20.41	18.75
Ozone (µg/m ³)	180	35.18	42.53	40.31	43.05	39.86	43.57
CO (mg /m ³)	4	0.52	0.46	0.43	0.48	0.44	0.42
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 04.10.2022	Devalsura 07.10.2022	Devalsura 11.10.2022	Devalsura 14.10.2022	Devalsura 18.10.2022	Devalsura 21.10.2022
SO ₂ (µg/m ³)	80	16.78	16.09	18.43	19.88	17.43	16.07
NO ₂ (µg/m ³)	80	21.25	20.40	22.41	24.78	22.18	20.43
PM 10 (µg/m ³)	100	44.27	46.50	42.27	45.60	47.70	49.77
PM 2.5 (µg/m ³)	60	21.66	23.33	20.00	22.50	24.16	22.91
Ozone (µg/m ³)	180	48.69	43.05	39.71	43.05	42.53	49.66
CO (mg /m ³)	4	0.42	0.51	0.55	0.58	0.49	0.52
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 25.10.2022	Devalsura 28.10.2022	Rengalpali 04.10.2022	Rengalpali 07.10.2022	Rengalpali 11.10.2022	Rengalpali 14.10.2022
SO ₂ (µg/m ³)	80	18.12	19.19	19.47	20.60	17.20	18.40
NO ₂ (µg/m ³)	80	23.10	24.86	24.51	22.64	23.04	23.15
PM 10 (µg/m ³)	100	44.90	41.42	40.50	44.72	48.98	46.49
PM 2.5 (µg/m ³)	60	20.83	18.33	16.66	18.33	23.33	21.66
Ozone (µg/m ³)	180	44.54	40.68	41.12	36.00	42.09	43.28
CO (mg /m ³)	4	0.53	0.48	0.47	0.49	0.53	0.58
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 18.10.2022	Rengalpali 21.10.2022	Rengalpali 25.10.2022	Rengalpali 28.10.2022
SO ₂ (µg/m ³)	80	17.52	18.62	19.50	20.42
NO ₂ (µg/m ³)	80	22.07	23.54	23.60	24.07
PM 10 (µg/m ³)	100	49.60	45.68	47.89	44.68
PM 2.5 (µg/m ³)	60	25.00	22.91	26.25	24.16
Ozone (µg/m ³)	180	40.31	45.13	42.68	41.79
CO (mg /m ³)	4	0.59	0.48	0.51	0.46
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 20.10.2022	Kandagarh 20.10.2022	Devalsura 25.10.2022	Rengalpali 25.10.2022
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	31.10.2022	44.1	32.3
CHP Area	31.10.2022	48.6	42.5
CCR Area	31.10.2022	45.3	40.2
Material Gate	31.10.2022	41.4	34.8
Main Gate Area	31.10.2022	44.7	37.5
2. Nearby Villages			
Kandagarh	31.10.2022	33.2	29.4
Jhilgitar	31.10.2022	37.3	33.1
Chhapora	31.10.2022	36.2	34.8
Armuda	31.10.2022	33.9	30.6
Devalsura	31.10.2022	35.7	31.6

MONTH: Nov-2022

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

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	27 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	556
TDS	mg/lit	331
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	168
Mg-Hardness as CaCO ₃	mg/lit	76
BOD	mg/lit	1.1
COD	mg/lit	4.0
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	2.2
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr ⁶⁺	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.048
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	BQL (LOQ:0.02)
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

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

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	26.5 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	500
TDS	mg/lit	295
TSS	mg/lit	BQL(LOQ:5)

Ca-Hardness as CaCO ₃	mg/lit	176
Mg-Hardness as CaCO ₃	mg/lit	74
BOD	mg/lit	1.8
COD	mg/lit	6
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.46
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	2.4
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr ⁶⁺	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.031
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	BQL (LOQ:0.02)
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

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

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	27 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	548
TDS	mg/lit	328
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	144
Mg-Hardness as CaCO ₃	mg/lit	64
BOD	mg/lit	1.3
COD	mg/lit	5.0
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	5.1
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.039
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	BQL (LOQ:0.02)
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

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

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	26.5 deg. C
pH Value		7.9
Electrical Conductivity	microS/cm	510
TDS	mg/lit	301
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	142
Mg-Hardness as CaCO ₃	mg/lit	68
BOD	mg/lit	1.0
COD	mg/lit	3.0
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.46
Boron (as B)	mg/lit	BDL (DL:0.1)
Total Coliform	MPN/100ml	3.1
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.066
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.028
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

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

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.057
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	BQL (LOQ:0.02)
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (f) Ground water solid Waste Storage Area:- Sample-1

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	26.6 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	414
TDS	mg/lit	244
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	142
Mg-Hardness as CaCO ₃	mg/lit	46
BOD	mg/lit	1.2
COD	mg/lit	4
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.49
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	3.6
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.109
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.056
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (g) Ground water solid Waste Storage Area:- Sample-2

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	26.3 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	424
TDS	mg/lit	254
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	152
Mg-Hardness as CaCO ₃	mg/lit	66
BOD	mg/lit	1.3
COD	mg/lit	5
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.48
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	6.9
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr ⁶⁺	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.189
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.052
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (h) Ground water Solid Waste Storage Area:- Sample-3

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	26.2 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	476
TDS	mg/lit	285
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	144
Mg-Hardness as CaCO ₃	mg/lit	64

BOD	mg/lit	1.7
COD	mg/lit	6
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.48
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	1.1
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.142
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.041
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (i) Ground water Solid Waste Storage Area:- Sample-4

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	26.1 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	410
TDS	mg/lit	242
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	140
Mg-Hardness as CaCO ₃	mg/lit	60
BOD	mg/lit	1.6
COD	mg/lit	5
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.49
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	5.1
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.165
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.074
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (j) Ground water Hazardous Waste Storage Area:- Sample-1

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	27.4 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	465
TDS	mg/lit	274
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	136
Mg-Hardness as CaCO ₃	mg/lit	64
BOD	mg/lit	1.4
COD	mg/lit	5
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.46
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	5.1
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.067
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.030
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (k) Ground water Hazardous Waste Storage Area:- Sample-2

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	27.2 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	515
TDS	mg/lit	304
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	114
Mg-Hardness as CaCO ₃	mg/lit	32
BOD	mg/lit	1.1
COD	mg/lit	3
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	2.2
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr ⁶⁺	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.049
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.046
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (l) Ground water Hazardous Waste Storage Area:- Sample-3

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	26.8 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	517
TDS	mg/lit	305
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	144
Mg-Hardness as CaCO ₃	mg/lit	50

BOD	mg/lit	1.6
COD	mg/lit	6
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	3.6
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.050
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.041
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (m) Ground water Hazardous Waste Storage Area:- Sample-4

Parameters	Unit	Ground Water 02.11.2022
Temperature	degree C	27.1 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	529
TDS	mg/lit	312
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	164
Mg-Hardness as CaCO ₃	mg/lit	66
BOD	mg/lit	1.5
COD	mg/lit	5
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.48
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	6.9
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.059
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.059
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (n) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 02.11.2022
Temperature	degree C	26.5 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	384
TDS	mg/lit	236
TSS	mg/lit	29
Ca-Hardness as CaCO ₃	mg/lit	100
Mg-Hardness as CaCO ₃	mg/lit	64
BOD	mg/lit	5.5
COD	mg/lit	20
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.52
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	13
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.091
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.329
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (o) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 02.11.2022
Temperature	degree C	26.5 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	379
TDS	mg/lit	230
TSS	mg/lit	22
Ca-Hardness as CaCO ₃	mg/lit	96
Mg-Hardness as CaCO ₃	mg/lit	60
BOD	mg/lit	4.4
COD	mg/lit	16
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	24
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr ⁶⁺	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.160
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.117
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

1.1 (p) Surface water : Kelo river

Parameters	Unit	Surface Water 02.11.2022
Temperature	degree C	26.7 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	380
TDS	mg/lit	228
TSS	mg/lit	18
Ca-Hardness as CaCO ₃	mg/lit	120
Mg-Hardness as CaCO ₃	mg/lit	48
BOD	mg/lit	4.8
COD	mg/lit	17
Oil & Grease	mg/lit	BQL (LOQ:1)

Fluoride (as F)	mg/lit	0.48
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	17
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 02.11.2022
Mercury	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa Cr6+	mg/lit	BQL (LOQ:0.02)
Iron	mg/lit	0.046
Copper	mg/lit	BQL (LOQ :0.01)
Chromium Total	mg/lit	BQL (LOQ :0.01)
Zinc	mg/lit	0.034
Cadmium	mg/lit	BQL (LOQ :0.0027)
Lead	mg/lit	BQL (LOQ :0.008)
Arsenic	mg/lit	BQL (LOQ :0.007)

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 03.11.2022	Chhapora 07.11.2022	Chhapora 10.11.2022	Chhapora 14.11.2022	Chhapora 17.11.2022	Chhapora 21.11.2022
SO ₂ (µg/m ³)	80	17.11	19.25	20.04	18.32	16.55	19.37
NO ₂ (µg/m ³)	80	24.32	26.91	27.43	23.19	21.14	28.89
PM 10 (µg/m ³)	100	45.77	49.60	51.56	54.41	56.78	58.36
PM 2.5 (µg/m ³)	60	22.08	24.16	25.41	28.25	27.50	29.16
Ozone (µg/m ³)	180	48.26	46.15	49.06	44.30	50.14	47.79
CO (mg /m ³)	4	0.53	0.57	0.62	0.60	0.63	0.58
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 24.11.2022	Chhapora 28.11.2022	Kandagarh 03.11.2022	Kandagarh 07.11.2022	Kandagarh 10.11.2022	Kandagarh 14.11.2022
SO ₂ (µg/m ³)	80	20.26	18.37	22.54	21.04	23.09	22.03
NO ₂ (µg/m ³)	80	29.01	25.14	29.68	28.14	30.14	29.54
PM 10 (µg/m ³)	100	60.51	55.80	46.29	49.29	51.76	53.88
PM 2.5 (µg/m ³)	60	31.25	26.66	22.91	25.50	26.25	27.08
Ozone (µg/m ³)	180	51.02	48.64	42.15	46.01	50.38	51.24
CO (mg /m ³)	4	0.61	0.54	0.44	0.49	0.52	0.58
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Kandagarh 17.11.2022	Kandagarh 21.11.2022	Kandagarh 24.11.2022	Kandagarh 28.11.2022	Devalsura 01.11.2022	Devalsura 04.11.2022
SO ₂ (µg/m ³)	80	24.61	19.98	23.04	20.98	20.24	19.54
NO ₂ (µg/m ³)	80	31.01	27.46	29.04	28.77	27.45	26.14
PM 10 (µg/m ³)	100	56.77	59.52	55.92	52.70	44.90	48.30
PM 2.5 (µg/m ³)	60	29.16	28.33	26.25	24.16	22.50	25.00
Ozone (µg/m ³)	180	49.08	48.76	45.56	44.27	51.24	53.64
CO (mg /m ³)	4	0.62	0.53	0.51	0.49	0.55	0.59
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 08.11.2022	Devalsura 11.11.2022	Devalsura 15.11.2022	Devalsura 18.11.2022	Devalsura 22.11.2022	Devalsura 25.11.2022
SO ₂ (µg/m ³)	80	21.07	19.54	20.37	22.64	18.57	20.11
NO ₂ (µg/m ³)	80	29.34	27.61	28.88	30.17	25.15	27.49
PM 10 (µg/m ³)	100	51.76	54.04	59.21	57.50	55.80	58.36
PM 2.5 (µg/m ³)	60	25.83	27.08	30.00	26.66	25.83	28.75
Ozone (µg/m ³)	180	48.97	49.99	52.04	50.18	45.37	49.06
CO (mg /m ³)	4	0.61	0.63	0.58	0.62	0.57	0.59
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 29.11.2022	Rengalpali 01.11.2022	Rengalpali 04.11.2022	Rengalpali 08.11.2022	Rengalpali 11.11.2022	Rengalpali 15.11.2022
SO ₂ (µg/m ³)	80	21.36	17.58	21.11	18.34	16.54	19.67
NO ₂ (µg/m ³)	80	26.01	28.43	30.54	23.04	21.17	26.33
PM 10 (µg/m ³)	100	60.60	48.98	51.76	53.81	56.00	59.21
PM 2.5 (µg/m ³)	60	29.16	23.75	25.83	27.50	28.58	30.41
Ozone (µg/m ³)	180	51.11	45.64	44.09	43.07	48.06	45.01
CO (mg /m ³)	4	0.61	0.55	0.51	0.48	0.59	0.52
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 18.11.2022	Rengalpali 22.11.2022	Rengalpali 25.11.2022	Rengalpali 29.11.2022
SO ₂ (µg/m ³)	80	22.04	19.86	17.48	21.02
NO ₂ (µg/m ³)	80	30.01	26.38	22.69	25.55
PM 10 (µg/m ³)	100	62.18	57.63	60.51	56.50
PM 2.5 (µg/m ³)	60	32.66	26.25	29.16	27.08
Ozone (µg/m ³)	180	44.33	49.04	43.16	45.09
CO (mg /m ³)	4	0.58	0.60	0.52	0.48
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 21.11.2022	Kandagarh 21.11.2022	Devalsura 22.11.2022	Rengalpali 22.11.2022
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	30.11.2022	46.3	34.5
CHP Area	30.11.2022	49.1	43.6
CCR Area	30.11.2022	44.9	41.1
Material Gate	30.11.2022	42.8	35.9
Main Gate Area	30.11.2022	45.2	38.3

2. Nearby Villages			
Kandagarh	30.11.2022	35.6	31.2
Jhilgitar	30.11.2022	38.7	30.2
Chhapora	30.11.2022	37.1	34.7
Armuda	30.11.2022	35.8	31.6
Devalsura	30.11.2022	38.5	32.5

MONTH: DEC-2022

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

Parameters	Unit	Ground Water 07.12.2022
Temperature	degree C	24.2 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	508
TDS	mg/lit	305
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	160
Mg-Hardness as CaCO ₃	mg/lit	72
BOD	mg/lit	1.7
COD	mg/lit	3.8
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.46
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 07.12.2022
Temperature	degree C	24.7 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	499
TDS	mg/lit	299
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	156
Mg-Hardness as CaCO ₃	mg/lit	60
BOD	mg/lit	1.2
COD	mg/lit	2.9
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.44
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	5.1
E-coli	MPN/100ml	Absent

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

Parameters	Unit	Ground Water 07.12.2022
Temperature	degree C	23.8 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	586
TDS	mg/lit	352
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	144
Mg-Hardness as CaCO ₃	mg/lit	68
BOD	mg/lit	1.4
COD	mg/lit	3.5
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	2.2
E-coli	MPN/100ml	Absent

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

Parameters	Unit	Ground Water 07.12.2022
Temperature	degree C	24.5 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	594
TDS	mg/lit	356
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	148
Mg-Hardness as CaCO ₃	mg/lit	64
BOD	mg/lit	1.1
COD	mg/lit	2.6
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.49
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	3.6
E-coli	MPN/100ml	Absent

1.1 (e) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 07.12.2022
Temperature	degree C	24.2 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	515
TDS	mg/lit	309
TSS	mg/lit	17
Ca-Hardness as CaCO ₃	mg/lit	162
Mg-Hardness as CaCO ₃	mg/lit	72
BOD	mg/lit	3.5
COD	mg/lit	12
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.51
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	27
E-coli	MPN/100ml	Absent

1.1 (f) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 07.12.2022
Temperature	degree C	24 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	512
TDS	mg/lit	307
TSS	mg/lit	11
Ca-Hardness as CaCO ₃	mg/lit	156
Mg-Hardness as CaCO ₃	mg/lit	60
BOD	mg/lit	4.5
COD	mg/lit	15
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	46
E-coli	MPN/100ml	Absent

1.1 (g) Surface water : Kelo river

Parameters	Unit	Surface Water 07.12.2022
Temperature	degree C	24 deg. C
pH Value		8.0
Electrical Conductivity	microS/cm	451
TDS	mg/lit	270
TSS	mg/lit	10
Ca-Hardness as CaCO ₃	mg/lit	152
Mg-Hardness as CaCO ₃	mg/lit	71
BOD	mg/lit	2.9
COD	mg/lit	10
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.45
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	32
E-coli	MPN/100ml	Absent

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 01.12.2022	Chhapora 05.12.2022	Chhapora 08.12.2022	Chhapora 12.12.2022	Chhapora 15.12.2022	Chhapora 19.12.2022
SO ₂ (µg/m ³)	80	18.01	18.59	16.97	17.43	19.25	16.54
NO ₂ (µg/m ³)	80	22.07	23.77	21.06	22.08	23.43	20.39
PM 10 (µg/m ³)	100	57.85	60.63	62.83	66.73	67.91	70.15
PM 2.5 (µg/m ³)	60	28.75	32.91	33.75	34.16	35.98	39.08
Ozone (µg/m ³)	180	49.18	47.03	49.99	45.14	51.09	48.70
CO (mg /m ³)	4	0.54	0.58	0.59	0.62	0.59	0.56
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 22.12.2022	Chhapora 26.12.2022	Chhapora 29.12.2022	Kandagarh 01.12.2022	Kandagarh 05.12.2022	Kandagarh 08.12.2022
SO ₂ (µg/m ³)	80	20.01	18.36	21.47	19.51	20.07	21.06
NO ₂ (µg/m ³)	80	23.12	21.41	24.99	23.04	24.12	24.34
PM 10 (µg/m ³)	100	59.41	69.44	66.03	59.81	60.38	65.10
PM 2.5 (µg/m ³)	60	36.31	34.58	32.05	26.11	30.01	31.66
Ozone (µg/m ³)	180	51.99	49.56	47.66	38.50	41.42	46.88
CO (mg /m ³)	4	0.60	0.62	0.55	0.42	0.51	0.54
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Kandagarh 12.12.2022	Kandagarh 15.12.2022	Kandagarh 19.12.2022	Kandagarh 22.12.2022	Kandagarh 26.12.2022	Kandagarh 29.12.2022
SO ₂ (µg/m ³)	80	21.92	19.86	18.36	17.59	19.04	20.11
NO ₂ (µg/m ³)	80	25.08	23.98	24.12	22.99	23.07	24.75
PM 10 (µg/m ³)	100	69.44	70.89	68.16	68.84	69.37	66.54
PM 2.5 (µg/m ³)	60	34.58	39.04	38.64	35.23	39.78	37.43
Ozone (µg/m ³)	180	39.30	44.10	43.01	45.93	42.53	46.49
CO (mg /m ³)	4	0.55	0.49	0.46	0.51	0.47	0.45
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 02.12.2022	Devalsura 06.12.2022	Devalsura 09.12.2022	Devalsura 13.12.2022	Devalsura 16.12.2022	Devalsura 20.12.2022
SO ₂ (µg/m ³)	80	21.17	19.70	21.20	18.35	20.60	21.40
NO ₂ (µg/m ³)	80	25.15	25.08	24.89	22.46	24.03	24.89
PM 10 (µg/m ³)	100	61.86	63.65	65.40	66.14	70.02	67.58
PM 2.5 (µg/m ³)	60	33.56	31.25	33.33	34.99	36.25	34.16
Ozone (µg/m ³)	180	49.71	46.11	42.53	46.11	46.40	50.21
CO (mg /m ³)	4	0.49	0.55	0.59	0.62	0.53	0.57
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 23.12.2022	Devalsura 27.12.2022	Devalsura 30.12.2022	Rengalpali 02.12.2022	Rengalpali 06.12.2022	Rengalpali 09.12.2022
SO ₂ (µg/m ³)	80	19.11	20.06	18.69	20.71	19.86	21.05
NO ₂ (µg/m ³)	80	23.17	24.23	22.99	24.64	24.52	24.88
PM 10 (µg/m ³)	100	64.30	69.44	68.93	56.76	59.71	62.02
PM 2.5 (µg/m ³)	60	31.50	33.00	37.83	29.75	30.25	34.25
Ozone (µg/m ³)	180	48.59	44.38	47.66	41.83	38.72	42.60
CO (mg /m ³)	4	0.58	0.61	0.60	0.51	0.52	0.47
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 13.12.2022	Rengalpali 16.12.2022	Rengalpali 20.12.2022	Rengalpali 23.12.2022	Rengalpali 27.12.2022	Rengalpali 30.12.2022
SO ₂ (µg/m ³)	80	19.01	17.39	16.94	18.25	19.96	17.34
NO ₂ (µg/m ³)	80	25.41	22.96	20.07	21.55	23.78	22.61
PM 10 (µg/m ³)	100	65.47	68.20	70.65	66.28	69.04	68.54
PM 2.5 (µg/m ³)	60	36.67	37.04	39.25	34.58	35.83	37.50
Ozone (µg/m ³)	180	39.56	42.36	45.24	46.08	44.02	46.45
CO (mg /m ³)	4	0.49	0.53	0.59	0.61	0.55	0.62
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Bhatanpali Road 09.12.2022
SO ₂ (µg/m ³)	80	19.47
NO ₂ (µg/m ³)	80	23.01
PM 10 (µg/m ³)	100	58.09
PM 2.5 (µg/m ³)	60	37.58
Ozone (µg/m ³)	180	52.08
CO (mg /m ³)	4	0.63
Hydrocarbons (PPM)		<0.5

Parameters	Limit*	Chhapora 19.12.2022	Kandagarh 19.12.2022	Devalsura 23.12.2022	Rengalpali 23.12.2022
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	30.12.2022	41.3	30.4
CHP Area	30.12.2022	47.5	41.3
CCR Area	30.12.2022	43.1	40.9
Material Gate	30.12.2022	45.6	39.5
Main Gate Area	30.12.2022	46.7	36.6
2. Nearby Villages			
Kandagarh	30.12.2022	38.0	30.3
Jhilgitar	30.12.2022	37.2	31.4
Chhapora	30.12.2022	39.3	29.7
Armuda	30.12.2022	38.4	29.2
Devalsura	30.12.2022	37.6	28.5

MONTH: JAN-2023

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

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	26 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	542
TDS	mg/lit	329
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	150
Mg-Hardness as CaCO ₃	mg/lit	66
BOD	mg/lit	1.2
COD	mg/lit	3.1
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.551
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	4.9
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	26.0
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr ₆	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.057
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	0.026
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

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

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25.7 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	543
TDS	mg/lit	322
TSS	mg/lit	BQL(LOQ:5)

Ca-Hardness as CaCO ₃	mg/lit	162
Mg-Hardness as CaCO ₃	mg/lit	68
BOD	mg/lit	1.4
COD	mg/lit	3.2
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.542
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	2.2
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25.7
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr ₆	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.258
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	0.028
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

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

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25.8 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	530
TDS	mg/lit	318
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	172
Mg-Hardness as CaCO ₃	mg/lit	82
BOD	mg/lit	1.7
COD	mg/lit	3.5
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.556
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	5.1
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25.8
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr6	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.74
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	BQL (LOQ:0.02)
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

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

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25.9 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	522
TDS	mg/lit	313
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	138
Mg-Hardness as CaCO ₃	mg/lit	56
BOD	mg/lit	0.9
COD	mg/lit	2.8
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.570
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	3.3
E-coli	MPN/100ml	Absent

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25.9
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr6	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.126
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	BQL (LOQ:0.02)
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

1.1 (e) Ground water (heavy metal) Quality near village: Chhapora

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25.5
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr6	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.111
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	BQL (LOQ:0.02)
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

1.1 (f) Surface water:- Chhapora Nala Down stream

Parameters	Unit	Surface Water 09.01.2023
Temperature	degree C	22.8 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	591
TDS	mg/lit	351
TSS	mg/lit	28
Ca-Hardness as CaCO3	mg/lit	154
Mg-Hardness as CaCO3	mg/lit	82
BOD	mg/lit	4.1
COD	mg/lit	12
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.532
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	37
E-coli	MPN/100ml	Absent

Temperature	degree C	22.8
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr6	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.124
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	0.023
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

1.1 (g) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 09.01.2023
Temperature	degree C	22.5 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	583
TDS	mg/lit	347
TSS	mg/lit	24
Ca-Hardness as CaCO ₃	mg/lit	148
Mg-Hardness as CaCO ₃	mg/lit	78
BOD	mg/lit	3.1
COD	mg/lit	10
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.544
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	33
E-coli	MPN/100ml	Absent

Temperature	degree C	22.5
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr ₆	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.062
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	0.021
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

1.1 (h) Surface water : Kelo river

Parameters	Unit	Surface Water 09.01.2023
Temperature	degree C	23 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	582
TDS	mg/lit	344
TSS	mg/lit	14
Ca-Hardness as CaCO ₃	mg/lit	141
Mg-Hardness as CaCO ₃	mg/lit	72
BOD	mg/lit	4.2
COD	mg/lit	14
Oil & Grease	mg/lit	BQL (LOQ:1)

Fluoride (as F)	mg/lit	0.531
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	40
E-coli	MPN/100ml	Absent

Temperature	degree C	23.0
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr6	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.064
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	BQL (LOQ:0.02)
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

1.1 (i) Ground water : Solid waste storage area- I

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	448
TDS	mg/lit	271
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	144
Mg-Hardness as CaCO ₃	mg/lit	66
BOD	mg/lit	1.5
COD	mg/lit	3.4
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.518
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	6.9
E-coli	MPN/100ml	Absent

Temperature	degree C	25.0
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr6	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.121
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	0.046
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)

Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

1.1 (j) Ground water : Solid waste storage area- II

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25.4 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	488
TDS	mg/lit	289
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	1.1
COD	mg/lit	2.9
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.514
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	5.1
E-coli	MPN/100ml	Absent

Temperature	degree C	25.4
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr ₆	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.144
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	0.034
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

1.1 (K) Ground water : Solid waste storage area- III

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25.6 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	575
TDS	mg/lit	340
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	138
Mg-Hardness as CaCO ₃	mg/lit	74
BOD	mg/lit	1.4
COD	mg/lit	3.1

Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.517
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	3.6
E-coli	MPN/100ml	Absent

Temperature	degree C	25.6
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr6	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.090
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	0.037
Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

1.1 (l) Ground water : Solid waste storage area- IV

Parameters	Unit	Ground Water 09.01.2023
Temperature	degree C	25.5 deg. C
pH Value		7.3
Electrical Conductivity	microS/cm	476
TDS	mg/lit	281
TSS	mg/lit	BQL (LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	154
Mg-Hardness as CaCO ₃	mg/lit	54
BOD	mg/lit	1.2
COD	mg/lit	3.0
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.506
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	3.8
E-coli	MPN/100ml	Absent

Temperature	degree C	25.5
Mercury as Hg	mg/lit	BQL (LOQ:0.0005)
Chromium Hexa as Cr6	mg/lit	BQL (LOQ:0.02)
Iron as Fe	mg/lit	0.139
Copper as Cu	mg/lit	BQL (LOQ:0.01)
Chromium Total as Cr	mg/lit	BQL (LOQ:0.01)
Zinc as Zn	mg/lit	0.030

Cadmium as Cd	mg/lit	BQL (LOQ:0.0027)
Lead as Pb	mg/lit	BQL (LOQ:0.008)
Arsenic as As	mg/lit	BQL (LOQ:0.007)

2.0 AAQ monitoring at Nearby Villages:-

Parameters	Limit*	Chhapora 02.01.2023	Chhapora 05.01.2023	Chhapora 09.01.2023	Chhapora 12.01.2023	Chhapora 16.01.2023	Chhapora 19.01.2023
SO ₂ (µg/m ³)	80	15.44	16.01	20.12	17.12	16.39	17.86
NO ₂ (µg/m ³)	80	17.93	19.07	23.51	20.74	18.01	22.66
PM 10 (µg/m ³)	100	56.17	61.98	52.56	57.74	63.34	54.28
PM 2.5 (µg/m ³)	60	25.86	33.16	24.73	27.13	36.73	23.71
Ozone (µg/m ³)	180	41.31	39.94	38.16	40.22	41.59	43.37
CO (mg /m ³)	4	0.52	0.48	0.46	0.50	0.53	0.49
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 23.01.2023	Chhapora 26.01.2023	Chhapora 30.01.2023	Kandagarh 02.01.2023	Kandagarh 05.01.2023	Kandagarh 09.01.2023
SO ₂ (µg/m ³)	80	15.99	18.05	19.37	16.09	18.01	20.34
NO ₂ (µg/m ³)	80	19.87	21.76	22.90	18.15	21.79	22.18
PM 10 (µg/m ³)	100	51.93	66.76	53.22	54.35	57.08	62.22
PM 2.5 (µg/m ³)	60	22.54	39.97	28.24	26.81	28.35	35.54
Ozone (µg/m ³)	180	46.66	50.02	44.18	36.15	35.34	40.57
CO (mg /m ³)	4	0.52	0.58	0.51	0.39	0.42	0.48
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Kandagarh 12.01.2023	Kandagarh 16.01.2023	Kandagarh 19.01.2023	Kandagarh 23.01.2023	Kandagarh 26.01.2023	Kandagarh 30.01.2023
SO ₂ (µg/m ³)	80	16.07	15.51	21.58	17.57	19.20	20.82
NO ₂ (µg/m ³)	80	20.77	19.89	23.01	20.67	22.06	23.72
PM 10 (µg/m ³)	100	64.61	56.93	52.24	65.58	58.71	61.11
PM 2.5 (µg/m ³)	60	34.03	29.60	24.08	36.91	27.14	33.43
Ozone (µg/m ³)	180	39.16	43.34	46.07	49.29	47.21	41.10
CO (mg /m ³)	4	0.52	0.43	0.37	0.40	0.44	0.49
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 03.01.2023	Devalsura 06.01.2023	Devalsura 10.01.2023	Devalsura 13.01.2023	Devalsura 17.01.2023	Devalsura 20.01.2023
SO ₂ (µg/m ³)	80	17.25	16.16	18.37	20.09	17.67	19.35
NO ₂ (µg/m ³)	80	22.08	19.33	21.04	23.75	21.11	23.14
PM 10 (µg/m ³)	100	64.40	49.37	55.58	57.11	61.12	57.73
PM 2.5 (µg/m ³)	60	37.68	24.16	28.60	30.09	35.44	28.77
Ozone (µg/m ³)	180	44.98	49.24	52.36	54.17	50.09	47.67
CO (mg /m ³)	4	0.43	0.52	0.58	0.61	0.54	0.47
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 24.01.2023	Devalsura 27.01.2023	Devalsura 31.01.2023	Rengalpali 03.01.2023	Rengalpali 06.01.2023	Rengalpali 10.01.2023
SO ₂ (µg/m ³)	80	20.71	18.93	17.69	18.94	17.54	19.63
NO ₂ (µg/m ³)	80	22.94	21.63	20.05	22.83	21.45	23.56
PM 10 (µg/m ³)	100	63.93	58.07	52.51	48.68	55.15	49.22
PM 2.5 (µg/m ³)	60	34.52	29.13	27.14	21.90	25.71	26.59
Ozone (µg/m ³)	180	51.34	58.02	60.02	43.88	40.05	37.71
CO (mg /m ³)	4	0.48	0.53	0.59	0.54	0.56	0.53
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 13.01.2023	Rengalpali 17.01.2023	Rengalpali 20.01.2023	Rengalpali 24.01.2023	Rengalpali 27.01.2023	Rengalpali 31.01.2023
SO ₂ (µg/m ³)	80	20.91	18.76	17.92	16.15	19.87	18.96
NO ₂ (µg/m ³)	80	22.79	21.12	20.09	19.24	22.71	21.92
PM 10 (µg/m ³)	100	53.06	62.99	51.33	57.83	61.85	64.36
PM 2.5 (µg/m ³)	60	28.65	35.43	24.83	28.14	34.72	37.02
Ozone (µg/m ³)	180	41.25	46.91	49.39	52.06	55.45	51.63
CO (mg /m ³)	4	0.55	0.51	0.48	0.50	0.57	0.61
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 19.01.2023	Kandagarh 19.01.2023	Devalsura 24.01.2023	Rengalpali 24.01.2023
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	31.01.2023	41.6	31.2
CHP Area	31.01.2023	46.6	42.3
CCR Area	31.01.2023	43.9	41.1
Material Gate	31.01.2023	44.8	38.5
Main Gate Area	31.01.2023	47.2	37.3
2. Nearby Villages			
Kandagarh	31.01.2023	37.3	29.4
Jhilgitar	31.01.2023	36.5	31.5
Chhapora	31.01.2023	38.4	30.3
Armuda	31.01.2023	37.5	28.8
Devalsura	31.01.2023	36.1	28.9

MONTH: FEB.2023

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

Parameters	Unit	Ground Water 01.02.2023
Temperature	degree C	24.6 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	500
TDS	mg/lit	292
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	138
Mg-Hardness as CaCO ₃	mg/lit	60
BOD	mg/lit	1.8
COD	mg/lit	3.9
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.540
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	1.4
E-coli	MPN/100ml	Absent

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

Parameters	Unit	Ground Water 01.02.2023
Temperature	degree C	23.9 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	502
TDS	mg/lit	301
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	172
Mg-Hardness as CaCO ₃	mg/lit	70
BOD	mg/lit	1.7
COD	mg/lit	3.8
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.53
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	3.6
E-coli	MPN/100ml	Absent

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

Parameters	Unit	Ground Water 01.02.2023
Temperature	degree C	24.9 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	516
TDS	mg/lit	310
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	168
Mg-Hardness as CaCO ₃	mg/lit	66
BOD	mg/lit	1.6
COD	mg/lit	3.4
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.490
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	2.3
E-coli	MPN/100ml	Absent

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

Parameters	Unit	Ground Water 01.02.2023
Temperature	degree C	24.3 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	572
TDS	mg/lit	342
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	174
Mg-Hardness as CaCO ₃	mg/lit	70
BOD	mg/lit	1.5
COD	mg/lit	3.1
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.510
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	1.1
E-coli	MPN/100ml	Absent

1.1 (e) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 01.02.2023
Temperature	degree C	24.4 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	493
TDS	mg/lit	299
TSS	mg/lit	21
Ca-Hardness as CaCO ₃	mg/lit	130
Mg-Hardness as CaCO ₃	mg/lit	72
BOD	mg/lit	7.5
COD	mg/lit	26
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.550
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	40
E-coli	MPN/100ml	Absent

1.1 (f) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 01.02.2023
Temperature	degree C	24.2 deg. C
pH Value		7.9
Electrical Conductivity	microS/cm	488
TDS	mg/lit	293
TSS	mg/lit	16
Ca-Hardness as CaCO ₃	mg/lit	126
Mg-Hardness as CaCO ₃	mg/lit	70
BOD	mg/lit	7.3
COD	mg/lit	24
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.520
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	34
E-coli	MPN/100ml	Absent

1.1 (g) Surface water : Kelo river

Parameters	Unit	Surface Water 01.02.2023
Temperature	degree C	24.0 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	496
TDS	mg/lit	298
TSS	mg/lit	11
Ca-Hardness as CaCO ₃	mg/lit	132
Mg-Hardness as CaCO ₃	mg/lit	60
BOD	mg/lit	5.5
COD	mg/lit	19
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.540
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	47
E-coli	MPN/100ml	Absent

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 02.02.2023	Chhapora 06.02.2023	Chhapora 09.02.2023	Chhapora 13.02.2023	Chhapora 16.02.2023	Chhapora 20.02.2023
SO ₂ (µg/m ³)	80	16.18	17.22	19.06	18.55	15.38	16.32
NO ₂ (µg/m ³)	80	19.11	20.34	23.67	21.92	19.23	20.37
PM 10 (µg/m ³)	100	48.65	52.96	61.39	54.43	47.36	55.98
PM 2.5 (µg/m ³)	60	23.83	25.42	34.37	27.75	23.68	29.66
Ozone (µg/m ³)	180	40.57	38.56	37.14	39.26	40.34	41.37
CO (mg /m ³)	4	0.42	0.39	0.44	0.48	0.51	0.49
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 23.02.2023	Chhapora 27.02.2023	Kandagarh 02.02.2023	Kandagarh 06.02.2023	Kandagarh 09.02.2023	Kandagarh 13.02.2023
SO ₂ (µg/m ³)	80	17.01	18.68	17.25	19.26	21.37	19.44
NO ₂ (µg/m ³)	80	21.11	22.09	20.54	23.67	24.34	21.33
PM 10 (µg/m ³)	100	63.97	49.10	63.54	61.14	56.06	51.29
PM 2.5 (µg/m ³)	60	36.46	24.58	37.21	36.54	30.27	25.13
Ozone (µg/m ³)	180	43.08	46.24	39.78	37.71	39.63	40.12
CO (mg /m ³)	4	0.52	0.53	0.43	0.46	0.49	0.51
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Kandagarh 16.02.2023	Kandagarh 20.02.2023	Kandagarh 23.02.2023	Kandagarh 27.02.2023
SO ₂ (µg/m ³)	80	18.29	20.02	19.88	20.34
NO ₂ (µg/m ³)	80	21.71	23.65	23.58	23.02
PM 10 (µg/m ³)	100	47.74	58.89	62.27	53.08
PM 2.5 (µg/m ³)	60	22.91	31.62	36.73	27.07
Ozone (µg/m ³)	180	42.37	43.02	46.82	45.36
CO (mg /m ³)	4	0.48	0.52	0.49	0.46
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 03.02.2023	Devalsura 07.02.2023	Devalsura 10.02.2023	Devalsura 14.02.2023	Devalsura 17.02.2023	Devalsura 21.02.2023
SO ₂ (µg/m ³)	80	19.66	17.23	16.37	19.05	18.81	20.17
NO ₂ (µg/m ³)	80	23.61	20.15	19.39	22.67	21.45	24.06
PM 10 (µg/m ³)	100	55.66	61.78	53.67	49.04	62.85	56.43
PM 2.5 (µg/m ³)	60	28.38	34.59	26.56	23.53	35.82	29.90
Ozone (µg/m ³)	180	42.53	51.24	53.64	50.28	48.62	46.38
CO (mg /m ³)	4	0.52	0.55	0.53	0.48	0.42	0.46
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 24.02.2023	Devalsura 28.02.2023	Rengalpali 03.02.2023	Rengalpali 07.02.2023	Rengalpali 10.02.2023	Rengalpali 14.02.2023
SO ₂ (µg/m ³)	80	17.67	20.84	17.62	16.38	18.21	16.03
NO ₂ (µg/m ³)	80	20.38	24.11	20.03	19.35	21.11	19.34
PM 10 (µg/m ³)	100	47.01	50.34	52.56	48.32	58.67	61.98
PM 2.5 (µg/m ³)	60	21.15	24.66	26.80	21.74	30.50	35.94
Ozone (µg/m ³)	180	49.04	52.33	46.12	41.39	39.62	38.64
CO (mg /m ³)	4	0.50	0.49	0.49	0.53	0.56	0.58
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 17.02.2023	Rengalpali 21.02.2023	Rengalpali 24.02.2023	Rengalpali 28.02.2023	Main plant area 14.02.2023	Main plant area 25.02.2023
SO ₂ (µg/m ³)	80	15.94	16.38	18.66	19.29	17.68	19.27
NO ₂ (µg/m ³)	80	19.02	20.85	22.61	23.02	21.34	24.50
PM 10 (µg/m ³)	100	54.05	47.66	56.24	63.02	55.82	58.43
PM 2.5 (µg/m ³)	60	29.18	21.49	28.96	36.55	30.58	34.94
Ozone (µg/m ³)	180	40.25	43.84	46.61	44.73	52.30	50.67
CO (mg /m ³)	4	0.51	0.46	0.49	0.52	0.51	0.49
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 20.02.2023	Kandagarh 20.02.2023	Devalsura 24.02.2023	Rengalpali 24.02.2023
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	28.02.2023	41.3	34.5
CHP Area	28.02.2023	43.7	38.6
CCR Area	28.02.2023	44.9	41.2
Material Gate	28.02.2023	40.5	36.3
Main Gate Area	28.02.2023	47.7	39.2
2. Nearby Villages			
Kandagarh	28.02.2023	37.5	30.1
Jhilgitar	28.02.2023	41.1	32.2
Chhapora	28.02.2023	40.5	34.6
Armuda	28.02.2023	41.5	33.5
Devalsura	28.02.2023	39.4	32.4

MONTH: MAR.2023

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

Parameters	Unit	Ground Water 01.03.2023
Temperature	degree C	26.3deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	544
TDS	mg/lit	326
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	188
Mg-Hardness as CaCO ₃	mg/lit	90
BOD	mg/lit	1.5
COD	mg/lit	3.2
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.53
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	2.2
E-coli	MPN/100ml	Absent

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

Parameters	Unit	Ground Water 01.03.2023
Temperature	degree C	26.1 deg. C
pH Value		7.7
Electrical Conductivity	microS/cm	534
TDS	mg/lit	315
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	156
Mg-Hardness as CaCO ₃	mg/lit	68
BOD	mg/lit	1.6
COD	mg/lit	3.7
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	5.1
E-coli	MPN/100ml	Absent

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

Parameters	Unit	Ground Water 01.03.2023
Temperature	degree C	26.5 deg. C
pH Value		7.8
Electrical Conductivity	microS/cm	563
TDS	mg/lit	338
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	170
Mg-Hardness as CaCO ₃	mg/lit	76
BOD	mg/lit	1.7
COD	mg/lit	3.8
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.490
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	4.7
E-coli	MPN/100ml	Absent

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

Parameters	Unit	Ground Water 01.03.2023
Temperature	degree C	26.7 deg. C
pH Value		7.6
Electrical Conductivity	microS/cm	536
TDS	mg/lit	320
TSS	mg/lit	BQL(LOQ:5)
Ca-Hardness as CaCO ₃	mg/lit	160
Mg-Hardness as CaCO ₃	mg/lit	78
BOD	mg/lit	1.8
COD	mg/lit	3.9
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.540
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	1.2
E-coli	MPN/100ml	Absent

1.1 (e) Surface water : Chhapora Nala Down stream

Parameters	Unit	Surface Water 01.03.2023
Temperature	degree C	25 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	581
TDS	mg/lit	343
TSS	mg/lit	18
Ca-Hardness as CaCO ₃	mg/lit	148
Mg-Hardness as CaCO ₃	mg/lit	90
BOD	mg/lit	6.4
COD	mg/lit	24
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.490
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	32
E-coli	MPN/100ml	Absent

1.1 (f) Surface water : Chhapora Nala Up stream

Parameters	Unit	Surface Water 01.03.2023
Temperature	degree C	25.1 deg. C
pH Value		7.5
Electrical Conductivity	microS/cm	552
TDS	mg/lit	327
TSS	mg/lit	12
Ca-Hardness as CaCO ₃	mg/lit	136
Mg-Hardness as CaCO ₃	mg/lit	84
BOD	mg/lit	6
COD	mg/lit	19
Oil & Grease	mg/lit	BQL (LOQ:1)
Fluoride (as F)	mg/lit	0.510
Boron (as B)	mg/lit	BQL (LOQ:0.1)
Total Coliform	MPN/100ml	27
E-coli	MPN/100ml	Absent

1.1 (g) Surface water : Kelo river

Parameters	Unit	Surface Water 01.03.2023
Temperature	degree C	25.5 deg. C
pH Value		7.4
Electrical Conductivity	microS/cm	548
TDS	mg/lit	324
TSS	mg/lit	8
Ca-Hardness as CaCO ₃	mg/lit	144
Mg-Hardness as CaCO ₃	mg/lit	80
BOD	mg/lit	6.1
COD	mg/lit	20
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	50
E-coli	MPN/100ml	Absent

2.0 AAQ monitoring at Nearby Villages:

Parameters	Limit*	Chhapora 02.03.2023	Chhapora 06.03.2023	Chhapora 09.03.2023	Chhapora 13.03.2023	Chhapora 16.03.2023	Chhapora 23.03.2023
SO ₂ (µg/m ³)	80	19.03	18.12	19.86	20.11	17.02	17.72
NO ₂ (µg/m ³)	80	22.49	21.41	23.48	24.77	20.12	21.86
PM 10 (µg/m ³)	100	44.18	40.59	52.65	41.86	51.38	43.78
PM 2.5 (µg/m ³)	60	21.68	20.17	28.95	19.57	26.50	20.70
Ozone (µg/m ³)	180	41.12	37.68	46.50	32.26	33.14	37.79
CO (mg /m ³)	4	0.44	0.41	0.38	0.45	0.50	0.48
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Chhapora 27.03.2023	Chhapora 30.03.2023	Kandagarh 02.03.2023	Kandagarh 06.03.2023	Kandagarh 09.03.2023	Kandagarh 13.03.2023
SO ₂ (µg/m ³)	80	16.59	18.96	18.34	21.11	20.22	18.97
NO ₂ (µg/m ³)	80	19.61	22.17	21.90	24.03	23.90	22.77
PM 10 (µg/m ³)	100	50.26	42.15	53.36	45.80	50.47	43.62
PM 2.5 (µg/m ³)	60	24.62	22.42	29.88	21.98	26.24	21.81
Ozone (µg/m ³)	180	39.53	42.37	35.18	39.28	40.14	34.81
CO (mg /m ³)	4	0.52	0.54	0.41	0.48	0.43	0.38
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Kandagarh 16.03.2023	Kandagarh 20.03.2023	Kandagarh 23.3.2023	Kandagarh 27.03.2023	Kandagarh 30.03.2023	Devalsura 03.03.2023
SO ₂ (µg/m ³)	80	17.35	21.02	18.43	17.52	19.92	17.61
NO ₂ (µg/m ³)	80	21.71	24.78	20.01	21.61	22.84	20.82
PM 10 (µg/m ³)	100	52.04	49.86	45.33	51.26	54.72	41.27
PM 2.5 (µg/m ³)	60	27.77	24.83	21.75	25.11	30.64	21.66
Ozone (µg/m ³)	180	40.36	38.34	42.15	43.30	40.25	49.18
CO (mg /m ³)	4	0.46	0.49	0.51	0.55	0.48	0.50
Hydrocarbons(PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Devalsura 07.03.2023	Devalsura 10.03.2023	Devalsura 14.03.2023	Devalsura 17.03.2023	Devalsura 21.03.2023	Devalsura 24.03.2023
SO ₂ (µg/m ³)	80	20.02	21.90	19.26	18.01	16.37	15.24
NO ₂ (µg/m ³)	80	23.67	24.10	22.77	21.29	20.54	19.13
PM 10 (µg/m ³)	100	46.50	53.06	45.60	44.87	51.24	48.67
PM 2.5 (µg/m ³)	60	23.33	29.38	23.56	21.53	26.64	23.84
Ozone (µg/m ³)	180	44.52	38.64	41.29	36.46	40.05	42.98
CO (mg /m ³)	4	0.44	0.45	0.52	0.51	0.48	0.46
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*		Devalsura 28.03.2023	Devalsura 31.03.2023	Rengalpali 03.03.2023	Rengalpali 07.03.2023	Rengalpali 10.03.2023
SO ₂ (µg/m ³)	80	17.67	18.89	19.01	17.24	15.96	17.86
NO ₂ (µg/m ³)	80	20.38	21.34	22.08	20.37	18.87	20.01
PM 10 (µg/m ³)	100	47.01	54.58	42.50	46.08	48.38	52.77
PM 2.5 (µg/m ³)	60	21.15	30.88	19.51	22.11	23.72	27.81
Ozone (µg/m ³)	180	49.04	37.73	41.27	39.64	41.23	43.52
CO (mg /m ³)	4	0.50	0.51	0.47	0.48	0.46	0.47
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Rengalpali 14.03.2023	Rengalpali 17.03.2023	Rengalpali 21.03.2023	Rengalpali 24.03.2023	Rengalpali 28.03.2023	Rengalpali 31.03.2023
SO ₂ (µg/m ³)	80	19.03	17.07	16.31	18.70	19.24	20.77
NO ₂ (µg/m ³)	80	23.45	20.18	20.54	21.69	22.02	24.05
PM 10 (µg/m ³)	100	55.03	47.41	53.74	45.85	41.76	50.48
PM 2.5 (µg/m ³)	60	31.35	23.30	27.44	22.69	19.20	24.43
Ozone (µg/m ³)	180	38.26	40.16	42.57	43.16	37.08	38.75
CO (mg /m ³)	4	0.52	0.51	0.47	0.44	0.53	0.45
Hydrocarbons (PPM)		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Parameters	Limit*	Bhatanpali Road side 10.03.2023
SO ₂ (µg/m ³)	80	20.64
NO ₂ (µg/m ³)	80	24.56
PM 10 (µg/m ³)	100	57.35
PM 2.5 (µg/m ³)	60	32.02
Ozone (µg/m ³)	180	52.08
CO (mg /m ³)	4	0.58
Hydrocarbons (PPM)		<0.5

Parameters	Limit*	Chhapora 20.03.2023	Kandagarh 20.03.2023	Devalsura 24.03.2023	Rengalpali 24.03.2023
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	31.03.2023	42.5	35.8
CHP Area	31.03.2023	45.2	40.3
CCR Area	31.03.2023	43.7	39.6
Material Gate	31.03.2023	42.2	38.3
Main Gate Area	31.03.2023	45.8	38.5
2. Nearby Villages			
Kandagarh	31.03.2023	38.1	32.2
Jhilgitar	31.03.2023	37.4	31.3
Chhapora	31.03.2023	39.2	30.6
Armuda	31.03.2023	40.7	32.5
Devalsura	31.03.2023	38.9	30.4

1.0 Stack Emission Monitoring:

Unit	Installed capacity	Date of Monitoring	PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	Hg (mg/Nm ³)
Limit			30			
Unit-I	800 MW	11.10.2022	22.48	1118	358	0.0015
Unit-II	800 MW	11.10.2022	24.51	1184	369	0.0013
Unit-I	800 MW	19.10.2022	23.33	1075	367	0.0014
Unit-II	800 MW	19.10.2022	26.41	1230	372	0.0010

Unit	Installed capacity	Date of Monitoring	PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	Hg (mg/Nm ³)
Limit			30			
Unit-I	800 MW	15.11.2022	21.85	1204	375	0.0011
Unit-II	800 MW	15.11.2022	25.14	1284	379	0.0014
Unit-I	800 MW	30.11.2022	28.70	1108	360	0.0013
Unit-II	800 MW	30.11.2022	27.29	1185	371	0.0015

Unit	Installed capacity	Date of Monitoring	PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	Hg (mg/Nm ³)
Limit			30			
Unit-I	800 MW	05.12.2022	22.69	1036	358	0.0005
Unit-II	800 MW	13.12.2022	23.17	1073	351	0.0006
Unit-I	800 MW	27.12.2022	26.11	1199	385	0.0006
Unit-II	800 MW	27.12.2022	27.01	1254	394	0.0007

Unit	Installed capacity	Date of Monitoring	PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	Hg (mg/Nm ³)
Limit			30			
Unit-I	800 MW	11.01.2023	21.14	1094	362	0.0004
Unit-II	800 MW	11.01.2023	22.10	1012	354	0.0003
Unit-I	800 MW	17.01.2023	27.08	1240	391	0.0005
Unit-II	800 MW	17.01.2023	26.81	1209	388	0.0004

Unit	Installed capacity	Date of Monitoring	PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	Hg (mg/Nm ³)
Limit			30			
Unit-I	800 MW	14.02.2023	26.42	1211	383	0.0007
Unit-II	800 MW	14.02.2023	27.44	1232	396	0.0008
Unit-I	800 MW	25.02.2023	22.85	1023	358	0.0006
Unit-II	800 MW	25.02.2023	21.57	1083	365	0.0007

Unit	Installed capacity	Date of Monitoring	PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	Hg (mg/Nm ³)
Limit			30			
Unit-I	800 MW	15.03.2023	23.48	1273	352	0.0009
Unit-II	800 MW	15.03.2023	22.75	1250	364	0.0006
Unit-I	800 MW	28.03.2023	27.15	1097	392	0.0004
Unit-II	800 MW	28.03.2023	26.64	1024	387	0.0005

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 Drripali	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 Ghutkupali (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 Bodhajhariya.	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 Devalsura Part-I	Bhu-Bisthapit Sahkari samiti Maryadit Devalsura	5500013011 Date-05.04.2013	1792280.54	completed	Devalsura	2013806.41	Road	NTPC
5	Conversion of Intra Village road into Cement concrete road in Devalsura Part-II	Bhu-Bisthapit Sahkari samiti Maryadit Devalsura	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	kandagarh	1759530.28	Road	NTPC
8	Construction of school boundry 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 Devalsura	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 Raiagr 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 creamation 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 S	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	Kandagrth	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 Develsura	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 contruction 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

As on													
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	No of Beneficiaries (Approx)	Year of Execution	Category	NTPC/Deposit
			Executed by NTPC	Deposit work	Total								
1	2	3	4	5	6=4+5	7	8=3-(6+7)	9	10	11	12		
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 Jhilgitar thru Tanker	1,74,600.00	1,74,600.00	-	1,74,600.00	0.00		Completed	Jhilgitar	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 Bodhajhanya 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 Thengapali 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 Chhapora 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 Chhapora 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	NTPC
9	PA System for Mahloi School	27,988.00	27,988.00	-	27,988.00	0.00		Completed	Mahloi	480	2017-18	NTPC	NTPC
10	PA System for Lara School	27,988.00	27,988.00	-	27,988.00	0.00		Completed	Lara	206	2017-18	NTPC	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 besw	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 ujaqain 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		
8	Mangal Bhawan Nirman	19,85,000.00	-	19,85,000.00	19,85,000.00	0.00		In progress	Kandaqarh	350	2017-18		
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		
11	Chowpal nirman in ujaqain qudi	3,00,000.00	-	3,00,000.00	3,00,000.00	0.00		In progress	Armuda	400	2017-18		
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		
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		
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		
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		
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		
	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		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		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		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)												NTPC
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		
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		

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 volleyball 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 lodging 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, Jhlgitar, 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, Raiagr	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 bonda	Tetla, Banda, Linjir	59,98,000.00	59,98,000.00	CEO Jila Panchayat, Raiagr	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, Raiagr	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	Raiagr	10,00,000.00	10,00,000.00	Officer-in-charge Chakradhar Samaroh	8200176039	Sport & Culture	Deposit
10	Welcome gate construction	Mahloi, Armuda, Kandagr, 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- Kandagarh	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	Cleanling of Ponds under Swachhta Pakhwada	Riyapali	15,000	15,000	Gram Panchayat Ghutkupali	P.O No: 8200235319	Sanitation	NTPC
59	Cleanling 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 Bodhajharia 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, Riagr	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	Tution 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	Gutkupalii	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 Ghutkupalii	Ghutkupalii	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 Construction	18.11.2019 till	2,74,335.00	1,95,087	79,248	Drinking Water
B	Bodajharia	Bodajharia	4600058504	M/s Patel Construction	18.11.2019 till	4,21,301.00	0	4,21,301	Drinking Water
C	Devalsura	Devalsura	4600058751	M/s Jayram Panua	01.12.2019 till	5,92,473.00	0	5,92,473	Drinking Water
D	Jhilgitar	Jhilgitar	4600058466	M/s Vasudev Sao	11.11.2019 till	93,822.00		93,822	Drinking Water
E	Kandagarh	Kandagarh	4600058519	M/s Sandev Construction	18.11.2019 till	6,62,136.00	5,85,320	76,816	Drinking Water
F	Lara	Lara	4600058509	M/s Bhawan Construction	18.11.2019 till	13,13,840.00	0	13,13,840	Drinking Water
G	Mahloi	Mahloi	4600059504	M/s Mahwan Construction	28.01.2020 till	3,77,890.00	2,65,000	1,12,890	Drinking Water
H	Riyapali	Riyapali	4600058477	M/s Mohan Poddar	11.11.2019 till	3,64,441.00	0	3,64,441	Drinking Water
2	Construction of Over Head Tank in	Bodajharia	5500021507	M/s Jagdish Saw	10.11.2015 till	21,73,303.00	0	21,73,303	Drinking Water
3	Construction of community toilet in	Armuda	4600063690	M/s Gajanan Patel	20.11.2020 till	14,24,596.43	0	14,24,596	Toilets
4	Digging of Borewell and water supply	Armuda	4600056934	M/s Bhavesh Construction	20.07.2019 till	1,96,014.00	0	1,96,014	Drinking Water
5	Construction of Cycle Stand in New	Armuda	4600063656	M/s Sandev Construction	10.11.2020 till	2,94,571.51	2,54,133	40,439	Education
7	Construction of Additional Classrooms	Bodajharia	4600060207	M/s Sandev Construction	09.03.2020 till	14,07,139.00	6,52,734	7,54,405	Education
8	Construction of Devlas In Village:	Bodajharia	5500033571	M/s Gupta Construction	10.07.2019 till	1,36,237.00		1,36,237	Infrastructure
9	Construction of Community centre at	Bodajharia	4600042006	M/s Gupta Construction	22.11.2010 till	8,76,938.00	0	8,76,938	Infrastructure
10	Digging of 01 no. borewell and	Bodajharia	4600049530	Sarpanch & Sachiv	23.01.2018 till	1,58,573.00	0	1,58,573	Drinking Water
11	Construction of CC Road from main	Bodajharia	4600065456	M/s Gupta Construction	10.04.2021 till	22,33,801.00		22,33,801	Infrastructure
13	Ground Area Concreting and	Chhapora	4600058715	M/s Tarun Stone China	29.11.2019 till	15,44,762.00	3,67,879	11,76,883	Infrastructure
14	Parking at PHC Chhapora	Chhapora	5500033709	M/s Chandra Kumar	23.07.2019 till	6,24,789.00	0	6,24,789	Infrastructure
15	Renovation Natwar Talab	Gutkupal	4600058217	M/s Pradnan Construction	28.10.2019 till	23,47,265.00	0	23,47,265	Drinking Water
17	Construction of mid-day meal shed in	Kandagarh	4600064557	M/s Gajanan Sao	20.01.2021 till	7,91,715.66		7,91,716	
18	Construction of boundary wall with	Lara	4600043922	M/s Parneshwar	07.03.2017 till	12,68,395.00	0	12,68,395	Infrastructure
19	Renovation of Mandir Talab	Lara	4600060232	M/s Parneshwar Construction	10.03.2020 till	27,50,775.00	0	27,50,775	Drinking Water
20	Construction of Bathing Ghat at	Thengapali	4600061504	M/s Papaswi Construction	01.06.2020 till	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 P.G. girl	9 villages	8200276125	M/s Siree Swaminathan				0	Education
23	Mobile Medical Van Services for	25 Villages	4600057457	M/s Hindustan Latex Family Planning	01.10.2019 till	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 District Collector	20.11.2020 till	11,24,500.00		11,24,500	Others
25	Deposit work to CSR fund of Collector	Pussore	4600065135	M/s S.B Enterprises	24.08.2020 till	29,00,000.00		29,00,000	Toilet & Road
26	Construction of community toilet in	Pussore	4600062662	M/s S.B Enterprises	24.08.2020 till	31,78,110.98		31,78,111	Toilets
27	Third Party Tenders Auth made under	Kharasia	4600064967	M/s Janmudram	30.01.2021 till	1,30,594.00	1,30,594	0	Infrastructure
29	Distribution of Blankets amongst	Chhapora	4600065824	M/s Rameshyam	22.01.2021 till	65,142.00	65,142.00	0	Others
30	Electricity Connection for 02 villages,	Raigarh	4600066516			71,340.00	71,340	0	Drinking water
31	Jhilgitar & Kandagarh (OHT)	Kandagarh	4600066856	CSPDCL Raigarh		60,000.00		60,000	Training
32	Training to farmers					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 till	1,63,428.00		1,63,428	Drinking Water
F	Devalsura	Devalsura	4600065614	M/s Gram Panchayat, Devalsura		81,714.00		81,714	Drinking Water
I	Lohakhan	Jhilgitar	4600065615	M/s Gram Panchayat, Lohakhan	14.07.2021 till	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	Ghutkupal	Ghutkupal	4600065618	M/s Gram Panchayat, Ghutkupal		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 Bhuvisthapit Kalvan 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 Construction		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 Gouthang Sao (VC:1100310)	26.04.2021 till 25.07.2021	1,48,590.00		1,48,590.00	Drinking
F	Jhilgitar	Jhilgitar	4600065720	M/s Anand Construction		1,48,590.00	116890	31,700.00	Drinking
I	Kandagarh	Kandagarh	4600065721	M/s Bhatt Construction		1,48,590.00	116890	31,700.00	Drinking
J	Lara	Lara	4600065722	M/s Bhatt 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 Choudhary Construction		1,48,590.00		1,48,590.00	Drinking
M	Thengapali	Thengapali	4600065729	M/s Tapaswi Construction		1,48,590.00		1,48,590.00	Drinking water
36	Financial Assistance to Collector- Raigarh	Raigarh	4600065851	Collector Raigarh (VC:110700)		8,00,000.00	8,00,000.00	0.00	Health
37	Financial Assistance to Collector- Jamgh	Jamgh	4600065852	Collector Jamgh Chhapora		8,00,000.00	8,00,000.00	0.00	Health
38	Procurement of face masks for All 9 villages	All 9 villages	4600065865	Chhatu Singh Rajya Uchhaktar Vahan & (VC:110700)		2,40,000.00	2,40,000.00	0.00	Health
39	Providing financial assistance to	Raigarh	4600065998	(VC:110700)		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	05.06.2021	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	16.06.2021	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 to	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 UNIVERSAL GEM		29,430.00	29,430.00	0.00	Sports & Culture
55	Approval for providing Park Items for		Items are procured from GEM			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 water
62	Nistari Land Demarcation Boards at	All villages	4600068568	M/s Bhavesh 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			

NTPC Lara- CD Works to be implemented for the FY 2022-23 till 31.03.2023

S. No.	Description	Village	PO/PR Number	Approved Budget	Expenditure 2022-23	Category
	FY 22-23 Budget 8.08 Crores			8,08,00,000.00		
A.1	Work In Progress/ Payment Made					
1	Financial Assistance for CM Suposhan Yojana at Raigarh District 1st 1 Crore	Raigarh	4600071541	1,00,00,000.00	1,00,00,000.00	Helth
2	Financial Assistance to DFO for Krishna Kunj	Pussore Tehsil	8200353843	7,00,000.00	7,00,000.00	Infrastructure other than road
3	Construction of Anganwadi Kendra at Village Jhilgitar	Jhilgitar	4600072434	10,76,000.00	7,53,200.00	Infrastructure other than road
4	CC road at Village Lara	Lara	4600072521	19,96,000.00	19,96,000.00	Road
5	CC road at village Kotarliya	Kotarliya	4600072518	20,00,000.00	20,00,000.00	Road
6	Deepening & Cleaning Ghutkupali Kanta Talab	Ghutkupali	4600071080	9,46,000.00	6,62,200.00	Drinking Water
7	Girls Toilet Primary School Jhilgitar	Jhilgitar	4600072522	4,00,000.00	2,00,000.00	Infrastructure other than road
8	Approval for Sanskritik Manch at Village Thengapali	Thengapali	4600072587	6,96,000.00	4,87,200.00	Infrastructure other than road
9	Construction of Pachri and Cleaning and Deepening of Sabunmuda Talab Devalsura	Devalsura	4600072385	10,02,000.00	7,01,400.00	Drinking water
10	CC Road at village Darripali MP Smt. Gomati Sai reference	Darripali	4600072508	20,00,000.00	10,00,000.00	Infrastructure other than road
11	Financial assistance for Kudo tournament	Raigarh	4500098984	2,12,000.00	2,12,000.00	Sports & Culture
12	Cleaning & Deepening of Sabunmuda Uppar talab	Devalsura	4600072454	4,87,000.00	1,94,800.00	Drinking water
13	Armuda Pankhati Talab Deepening, cleaning & Construction of Pachri	Armuda	4600072585	18,16,000.00	9,08,000.00	Drinking water
14	Construction of New Talab at CPR Land in Village Bodajharia through Gram Panchayat Kandagarh on Deposit Work basis.	Bodajharia	4600073109	25,22,000.00	17,64,600.00	Drinking water
15	Naya Talab Darriapali Deepening & Cleaning MLA SH. Prakash naik Reference	Darripali	4600072584	18,60,000.00	9,30,000.00	Infrastructure other than road
16	CG Olympic to SDM Raigarh	Raigarh	4600073189	5,00,000.00	5,00,000.00	Sports & Culture
17	Financial Assistance to DEO Raigarh for Coaching Centre	Raigarh	4600073229	10,00,000.00	10,00,000.00	Education
18	Deepening & beautification & Construction of Pachri at Pankhati Talab Devalsura	Devalsura	4600073128	17,65,000.00	7,06,000.00	Drinking Water
19	Laying of Inter-locking bricks in front & Land Filling in front of Chhapora Primary School on Deposit Work basis.	Chhapora	4600073389	7,57,000.00	7,57,000.00	Infrastructure other than road
20	Construction Of Boundary Wall At Chhapora gauthan MLA reference	Chhapora	4600073393	17,12,000.00	6,84,800.00	Infrastructure other than road
21	Chain Link Fencing at Gauthan Lohakhan	Lohakhan	4600072592	4,41,000.00	2,20,500.00	Infrastructure other than road
22	Land Filling in front of Mangal Bhawan	Devalsura	4600072589	3,95,000.00	1,97,500.00	Infrastructure other than road

23	Approval for Construction of Boundary wall at PHC Rengalpali	Rengalpali	4600073190	2,98,000.00	1,49,000.00	Infrastructure other than road
24	Construction of Mangal Bhawan at Village Ektal	Ektal	4600073468	10,00,000.00	4,00,000.00	Infrastructure other than road
25	Fencing at Gauthan Mahloi	Mahloi	4600073406	4,52,000.00	226000	Infrastructure other than road
26	Deepening & cleaning of pond at village Kasaipali & Construction of Pachari (2 Nos)	Kasaipali	4600073371	15,63,000.00	6,25,200.00	Infrastructure other than road
27	Cricket tournament Pussore	Pussore	PO:8200369067	4,00,000.00	4,00,000.00	Sports & Culture
28	CC road at village kasaipali	Riyapali	4600073409	10,41,000.00	4,16,400.00	Road
29	Land Filling at Jhilgitar Mukti Dham	Jhilgitar	4600073388	4,97,000.00	2,48,500.00	Infrastructure other than road
30	Construction of CC road at Bonda & Chotte Bhandar	Jiladi Amlibhauna Tenka Khaprapali Supa	4600073410	46,37,500.00	27,82,500.00	Infrastructure other than road
31	Construction of RCC Dtain at village Kandagarh	Kandagarh	4600073409	9,83,000.00	3,93,200.00	Drain
32	Beautification & Construction of CC road at Phatamuda Talab Mahloi Village	Mahloi	4600073405	8,20,000.00	4,10,000.00	Road
33	Construction of Boundary Wall at Govt. Higher Secondary School Mahloi	Mahloi	800054990	9,05,000.00	4,52,500.00	Infrastructure other than road
34	Pond Deepening & Pachri Nirman Tarda	Tarda	4600074046	16,34,000.00	8,17,000.00	
				4,85,13,500.00	3,38,95,500.00	
A.2	Additional Approval					
	Financial assistance for renovation of buildings in 36 no. Swami Atmanand Government Schools in Raigarh District on Deposit Work basis. Rs 15.90 Crores	Raigarh	4600073549	15,90,06,384.00	6,36,02,553.60	Education
6	Financial Assistance for CM Suposhan Yojana at Raigarh District 1st 1 Crore	Raigarh	4600072556	1,00,00,000.00	1,00,00,000.00	Health
17	approval of additional budget from WR-II for Construction of CC road as requested by Honorable Minister Sh. Umesh Patel.	Ghughwa.Navapara, Torna	4600073391	33,37,500.00	33,37,500.00	Road
	Renovation of CHC Pussore	Pussore	4600064852	2,64,00,000.00	1,05,60,000.00	
					8,75,00,053.60	
	Grand Total				12,13,95,553.60	

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 01-10.2022 to 31-03.2023**

Route Talaipali-By Pass Gharghoda-Lara
Mode- Road
Length of Route 75 km
Daily Average 1275.96 TPD

NTPC TALAIPALI

Sl. NO.	Dispatch Date	Qty	Nos of Truck
1	01-10-2022	0	0
2	02-10-2022	0	0
3	03-10-2022	0	0
4	04-10-2022	0	0
5	05-10-2022	0	0
6	06-10-2022	0	0
7	07-10-2022	37	1
8	08-10-2022	208.14	6
9	09-10-2022	637.57	20
10	10-10-2022	1278.79	39
11	11-10-2022	1210.25	38
12	12-10-2022	1743.25	53
13	13-10-2022	1134.28	35
14	14-10-2022	1178.32	36
15	15-10-2022	1829.69	56
16	16-10-2022	1473.96	45
17	17-10-2022	1701.07	50
18	18-10-2022	1676.47	51
19	19-10-2022	3050.7	88
20	20-10-2022	1918.16	57
21	21-10-2022	1500.33	46
22	22-10-2022	1489.99	45
23	23-10-2022	1540.58	47
24	24-10-2022	885.7	25
25	25-10-2022	2214.67	67
26	26-10-2022	1594.44	49
27	27-10-2022	1889.46	57
28	28-10-2022	1857.1	56
29	29-10-2022	1490.28	45
30	30-10-2022	1577.78	48
31	31-10-2022	1940.65	58
32	01-11-2022	1603.22	47
33	02-11-2022	1804.88	54
34	03-11-2022	2380.46	70

35	04-11-2022	2341.47	69
36	05-11-2022	2750.28	80
37	06-11-2022	1304.09	38
38	07-11-2022	1947.13	61
39	08-11-2022	784.36	22
40	09-11-2022	1268.14	38
41	10-11-2022	1787.6	54
42	11-11-2022	1863.35	56
43	12-11-2022	1529.9	46
44	13-11-2022	2373.39	72
45	14-11-2022	1643.52	50
46	15-11-2022	1122.28	33
47	16-11-2022	1871.95	57
48	17-11-2022	2241.3	67
49	18-11-2022	1620.22	49
50	19-11-2022	1836.64	56
51	20-11-2022	2211.59	66
52	21-11-2022	978.24	30
53	22-11-2022	1681.15	50
54	23-11-2022	1304.78	40
55	24-11-2022	2594.4	80
56	25-11-2022	2044.93	63
57	26-11-2022	2460.51	76
58	27-11-2022	1641.22	50
59	28-11-2022	1102.68	34
60	29-11-2022	1636.78	51
61	30-11-2022	902.78	28
62	01-12-2022	1385.21	41
63	02-12-2022	1056.8	32
64	03-12-2022	931.05	28
65	04-12-2022	656.07	20
66	05-12-2022	920.69	28
67	06-12-2022	391.42	12
68	07-12-2022	1079.59	32
69	08-12-2022	822.13	25
70	09-12-2022	851.73	25
71	10-12-2022	484.41	15
72	11-12-2022	636.63	19
73	12-12-2022	667.31	20
74	13-12-2022	603.7	18
75	14-12-2022	538.78	16
76	15-12-2022	901.31	26
77	16-12-2022	718.04	21
78	17-12-2022	737.44	22
79	18-12-2022	932.68	27
80	19-12-2022	920.57	26
81	20-12-2022	765.23	23

82	21-12-2022	664.49	20
83	22-12-2022	707.71	21
84	23-12-2022	627.31	19
85	24-12-2022	687.02	20
86	25-12-2022	419.1	12
87	26-12-2022	153.13	5
88	27-12-2022	138.65	4
89	28-12-2022	124.07	4
90	29-12-2022	107.88	3
91	30-12-2022	300.18	9
92	31-12-2022	302.61	9
93	01-01-2023	320.62	9
94	02-01-2023	421.66	13
95	03-01-2023	336.19	10
96	04-01-2023	125.96	4
97	05-01-2023	0	0
98	06-01-2023	0	0
99	07-01-2023	139.91	4
100	08-01-2023	151.91	5
101	09-01-2023	317.91	10
102	10-01-2023	408.69	12
103	11-01-2023	533.41	17
104	12-01-2023	177.1	5
105	13-01-2023	274.58	9
106	14-01-2023	275.95	9
107	15-01-2023	214.14	7
108	16-01-2023	213.59	7
109	17-01-2023	242.71	8
110	18-01-2023	253.06	8
111	19-01-2023	257.61	7
112	20-01-2023	60.06	2
113	21-01-2023	0	0
114	22-01-2023	31.49	1
115	23-01-2023	188.43	6
116	24-01-2023	70.28	2
117	25-01-2023	154.18	5
118	26-01-2023	283.09	8
119	27-01-2023	154.7	5
120	28-01-2023	321.03	10
121	29-01-2023	151.66	4
122	30-01-2023	502.87	15
123	31-01-2023	561.79	17
124	01-02-2023	348.39	11
125	02-02-2023	336.41	9
126	03-02-2023	383.53	12
127	04-02-2023	444.4	13
128	05-02-2023	529.77	16

129	06-02-2023	988.01	30
130	07-02-2023	991.66	29
131	08-02-2023	1176.03	36
132	09-02-2023	2584.61	72
133	10-02-2023	2624.89	71
134	11-02-2023	3069.71	85
135	12-02-2023	2873.65	78
136	13-02-2023	2975.69	82
137	14-02-2023	1731.54	46
138	15-02-2023	3014.98	82
139	16-02-2023	2003.03	55
140	17-02-2023	3559.9	97
141	18-02-2023	2734.88	74
142	19-02-2023	3524.3	97
143	20-02-2023	3152.36	85
144	21-02-2023	3303.29	92
145	22-02-2023	3636.42	101
146	23-02-2023	3656.43	102
147	24-02-2023	2266.96	63
148	25-02-2023	4347.49	119
149	26-02-2023	2951.59	81
150	27-02-2023	3724.2	102
151	28-02-2023	3994.14	109
152	01-03-2023	4496.97	123
153	02-03-2023	3101.82	83
154	03-03-2023	3428.18	93
155	04-03-2023	2833.22	76
156	05-03-2023	2256.96	61
157	06-03-2023	2708.93	73
158	07-03-2023	321.04	9
159	08-03-2023	0	0
160	09-03-2023	1897.83	52
161	10-03-2023	828.37	23
162	11-03-2023	1132.58	31
163	12-03-2023	1269.14	36
164	13-03-2023	738.43	21
165	14-03-2023	788.13	23
166	15-03-2023	1498.26	41
167	16-03-2023	1777.03	51
168	17-03-2023	1440.11	41
169	18-03-2023	1556.12	44
170	19-03-2023	1246.67	37
171	20-03-2023	1230.83	36
172	21-03-2023	1511.98	42
173	22-03-2023	1221.6	35
174	23-03-2023	1508.15	43
175	24-03-2023	1189	33

176	25-03-2023	979.64	28
177	26-03-2023	740.94	21
178	27-03-2023	1635.84	47
179	28-03-2023	1549.04	44
180	29-03-2023	1064.19	31
181	30-03-2023	1347.47	37
182	31-03-2023	928.01	26
	TOTAL	232224.13	6716

Compliance statement of Pt No 8(i) as per letter Dated 14.01.2020**Period 01-10.2022 to 31-03.2023**

Route Talabira-Jharsaguda-Brajrajnagar-Kanaktura-Lara
Mode- Road
Length of Route 95 km
Daily Average 3941.03 TPD

NLC TALABIRA

SI. NO.	Dispatch Date	Qty	Nos of Truck
1	01-10-2022	3200.31	96
2	02-10-2022	4844.4	143
3	03-10-2022	7487.19	225
4	04-10-2022	5778.06	175
5	05-10-2022	5034.23	148
6	06-10-2022	4229.71	131
7	07-10-2022	3525.84	106
8	08-10-2022	2760.13	83
9	09-10-2022	2448.43	76
10	10-10-2022	2739.01	85
11	11-10-2022	8292.86	246
12	12-10-2022	7192.08	216
13	13-10-2022	7760.43	233
14	14-10-2022	5021.69	148
15	15-10-2022	2352.12	73
16	16-10-2022	3245.85	103
17	17-10-2022	1691.15	53
18	18-10-2022	1735.13	56
19	19-10-2022	5350.79	162
20	20-10-2022	8664.73	257
21	21-10-2022	5635.88	167
22	22-10-2022	6208.32	185
23	23-10-2022	6585.03	198
24	24-10-2022	6468.05	195
25	25-10-2022	5083.95	149
26	26-10-2022	4610.68	135
27	27-10-2022	1708.62	53
28	28-10-2022	3629.82	111
29	29-10-2022	3949.26	120
30	30-10-2022	4999.45	150
31	31-10-2022	5759.61	177
32	01-11-2022	7810.67	237
33	02-11-2022	5965.87	178
34	03-11-2022	6540.41	196
35	04-11-2022	8330.25	248
36	05-11-2022	6500.02	195
37	06-11-2022	7106.4	211
38	07-11-2022	6320.18	192

39	08-11-2022	7429.95	222
40	09-11-2022	6100.05	183
41	10-11-2022	2140.72	64
42	11-11-2022	337.66	11
43	12-11-2022	920.37	29
44	13-11-2022	6022.93	179
45	14-11-2022	11600.98	342
46	15-11-2022	6168.5	181
47	16-11-2022	5136.35	152
48	17-11-2022	6765.37	198
49	18-11-2022	7485	219
50	19-11-2022	7146.93	212
51	20-11-2022	8304.2	244
52	21-11-2022	5511.43	160
53	22-11-2022	5862.75	173
54	23-11-2022	623.92	18
55	24-11-2022	1525.12	46
56	25-11-2022	4949.96	146
57	26-11-2022	5454.2	163
58	27-11-2022	3439.81	103
59	28-11-2022	4051.46	121
60	29-11-2022	4870.11	143
61	30-11-2022	3201.94	96
62	01-12-2022	3021.14	90
63	02-12-2022	3552.59	104
64	03-12-2022	3716.09	109
65	04-12-2022	1760.24	53
66	05-12-2022	4358.87	127
67	06-12-2022	5863.91	173
68	07-12-2022	4756.82	140
69	08-12-2022	4334.75	129
70	09-12-2022	3990.35	118
71	10-12-2022	3974.08	119
72	11-12-2022	4806.26	143
73	12-12-2022	6135.46	183
74	13-12-2022	4992.18	149
75	14-12-2022	6058.36	181
76	15-12-2022	4730.3	141
77	16-12-2022	2982.53	89
78	17-12-2022	4251.78	129
79	18-12-2022	3437.19	102
80	19-12-2022	3723.13	112
81	20-12-2022	3596.92	110
82	21-12-2022	2649.16	81

83	22-12-2022	6975.13	199
84	23-12-2022	4958.63	148
85	24-12-2022	6008.78	176
86	25-12-2022	9183.77	265
87	26-12-2022	3450.95	100
88	27-12-2022	5364.33	159
89	28-12-2022	5324.05	155
90	29-12-2022	4176.57	122
91	30-12-2022	2439.86	73
92	31-12-2022	6631.94	195
93	01-01-2023	2889.17	86
94	02-01-2023	6705.57	195
95	03-01-2023	6417.12	188
96	04-01-2023	4454.32	131
97	05-01-2023	3460.38	103
98	06-01-2023	1614.13	48
99	07-01-2023	3335.89	98
100	08-01-2023	5558.03	163
101	09-01-2023	6528.23	194
102	10-01-2023	7573.48	223
103	11-01-2023	7304.89	213
104	12-01-2023	10415.19	300
105	13-01-2023	10184.33	291
106	14-01-2023	5542.87	163
107	15-01-2023	6095.7	180
108	16-01-2023	4836.94	140
109	17-01-2023	3261.5	99
110	18-01-2023	7150.9	203
111	19-01-2023	6846.76	198
112	20-01-2023	5155.02	150
113	21-01-2023	4563.44	131
114	22-01-2023	4882.75	141
115	23-01-2023	6485.69	187
116	24-01-2023	8263.08	247
117	25-01-2023	4884.54	146
118	26-01-2023	3949.67	114
119	27-01-2023	2981.09	86
120	28-01-2023	1736.79	51
121	29-01-2023	3922.12	113
122	30-01-2023	2078.88	60
123	31-01-2023	4793.28	139
124	01-02-2023	1881.22	57
125	02-02-2023	2058.76	62
126	03-02-2023	3402.16	99

127	04-02-2023	5105.71	147
128	05-02-2023	72	2
129	06-02-2023	0	0
130	07-02-2023	0	0
131	08-02-2023	0	0
132	09-02-2023	0	0
133	10-02-2023	0	0
134	11-02-2023	0	0
135	12-02-2023	0	0
136	13-02-2023	0	0
137	14-02-2023	0	0
138	15-02-2023	0	0
139	16-02-2023	0	0
140	17-02-2023	0	0
141	18-02-2023	0	0
142	19-02-2023	0	0
143	20-02-2023	0	0
144	21-02-2023	0	0
145	22-02-2023	0	0
146	23-02-2023	0	0
147	24-02-2023	0	0
148	25-02-2023	0	0
149	26-02-2023	0	0
150	27-02-2023	0	0
151	28-02-2023	0	0
152	01-03-2023	0	0
153	02-03-2023	0	0
154	03-03-2023	0	0
155	04-03-2023	61.26	2
156	05-03-2023	2436.43	72
157	06-03-2023	5615.76	162
158	07-03-2023	3085.68	90
159	08-03-2023	784.96	23
160	09-03-2023	5899.45	172
161	10-03-2023	2787.4	84
162	11-03-2023	2698.12	80
163	12-03-2023	1364.76	40
164	13-03-2023	3287.42	97
165	14-03-2023	2347.25	70
166	15-03-2023	1099.22	33
167	16-03-2023	1409.7	44
168	17-03-2023	1423.67	45
169	18-03-2023	2802.04	82
170	19-03-2023	2842.16	85
171	20-03-2023	4064.9	122
172	21-03-2023	4303.06	130
173	22-03-2023	4248.78	125
174	23-03-2023	4614.43	140
175	24-03-2023	4123.07	124
176	25-03-2023	3760.8	114



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



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 *****

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://portal.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-CG02564-230121-COAL-NTPC-RAIGARH			Date: 21.01.2023
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	1kg X 1No. Polythene Bag
Date of Sampling	09.01.2023	Date of Receipt of Sample	10.01.2023
Sampling Procedure	As Per IS 436(Part I/Sec I): 1964, Reaffirmed 2005		
Date of Start of Analysis	10.01.2023	Date of Completion of Analysis	20.01.2023

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Solid Fuel (Coal &Coke)				
1.	Mercury (as Hg)	mg/kg	0.15	ASTM-D3684-01 RA 2006
2.	Arsenic (as As)	mg/kg	0.53	ASTM-D 3683
3.	Cadmium (as Cd)	mg/kg	0.68	ASTM-D 6357
4.	Chromium Hexa (as Cr ⁶⁺)	mg/kg	4.26	USEPA-3060 A
5.	Chromium Total (as Cr)	mg/kg	32.74	ASTM-D 3683
6.	Copper (as Cu)	mg/kg	24.15	ASTM-D 3683
7.	Iron (as Fe)	mg/kg	15268	ASTM-D 3683
8.	Lead (as Pb)	mg/kg	4.86	ASTM-D 6357
9.	Zinc (as Zn)	mg/kg	28.6	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

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)

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Test Report

Report No.: ME-CG02565-230116-FA-NTPC-RAIGARH		Date: 16.01.2023	
Name and address of Customer	NTPC LIMITED		Order Reference
	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	Fly Ash	Sample Collected by	Laboratory
Sampling Location	NTPC LARA Plant	Sample Quantity/Packing	1kg X 1 No. Polythene Bag
Date of Sampling	09.01.2023	Date of Receipt of Sample	10.01.2023
Sampling Procedure	IS 6491		
Date of Start of Analysis	10.01.2023	Date of Completion of Analysis	15.01.2023

Sr. No.	Parameter	Unit	Result	Method Reference
1	Total Arsenic (as As)	mg/kg	BQL (LOQ:0.3)	ASTM-D 4606
2	Total Cadmium (as Cd)	mg/kg	BQL (LOQ:2)	ASTM-D 6357
3	Total Chromium (as Cr)	mg/kg	18.4	ASTM-D 3683
4	Total Copper (as Cu)	mg/kg	55.5	ASTM-D 3683
5	Total Iron (as Fe)	mg/kg	33313	ASTM-D 3683
6	Total Zinc (as Zn)	mg/kg	74.8	ASTM-D 3683
7	Total Lead (as Pb)	mg/kg	BQL (LOQ:1.2)	ASTM-D 6357
8	Total Mercury	mg/kg	BQL (LOQ:0.1)	CPCB(HW), Page No. 62
9	Total Chromium Hexavalent	mg/kg	4.60	CPCB(HW), Page No. 66 to 72

Remark: All results are as on received basis. BQL: Below Quantification Limit; LOQ: Limit of Quantification.

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

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Page 1 of 1

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Test Report

Report No.: ME-CG02566-230116-BA-NTPC-RAIGARH	Date: 16.01.2023		
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	1kg X 1 No. Polythene Bag
Date of Sampling	09.01.2023	Date of Receipt of Sample	10.01.2023
Sampling Procedure	IS 6491		
Date of Start of Analysis	10.01.2023	Date of Completion of Analysis	15.01.2023

Sr. No.	Parameter	Unit	Result	Method Reference
1	Total Arsenic (as As)	mg/kg	BQL (LOQ:0.3)	ASTM-D 4606
2	Total Cadmium (as Cd)	mg/kg	BQL (LOQ:2)	ASTM-D 6357
3	Total Chromium (as Cr)	mg/kg	19.3	ASTM-D 3683
4	Total Copper (as Cu)	mg/kg	51.2	ASTM-D 3683
5	Total Iron (as Fe)	mg/kg	34573	ASTM-D 3683
6	Total Zinc (as Zn)	mg/kg	63.9	ASTM-D 3683
7	Total Lead (as Pb)	mg/kg	BQL (LOQ:1.2)	ASTM-D 6357
8	Total Mercury	mg/kg	BQL (LOQ:0.1)	CPCB(HW), Page No. 62
9	Total Chromium Hexavalent	mg/kg	4.71	CPCB(HW), Page No. 66 to 72

Remark: All results are as on received basis. BQL: Below Quantification Limit; LOQ: Limit of Quantification.

-----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
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Test Report

Report No.: ME-CG02552-221114-COAL-NTPC-RAIGARH		Date: 14.11.2022	
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	1kg X 1No. Polythene Bag
Date of Sampling	02.11.2022	Date of Receipt of Sample	03.11.2022
Sampling Procedure	As Per IS 436(Part I/Sec I): 1964, Reaffirmed 2005		
Date of Start of Analysis	03.11.2022	Date of Completion of Analysis	13.11.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Solid Fuel (Coal &Coke)				
1.	Mercury (as Hg)	mg/kg	0.19	ASTM-D3684-01 RA 2006
2.	Arsenic (as As)	mg/kg	0.48	ASTM-D 3683
3.	Cadmium (as Cd)	mg/kg	0.65	ASTM-D 6357
4.	Chromium Hexa (as Cr ⁶⁺)	mg/kg	5.19	USEPA-3060 A
5.	Chromium Total (as Cr)	mg/kg	31.71	ASTM-D 3683
6.	Copper (as Cu)	mg/kg	28.6	ASTM-D 3683
7.	Iron (as Fe)	mg/kg	15749	ASTM-D 3683
8.	Lead (as Pb)	mg/kg	5.95	ASTM-D 6357
9.	Zinc (as Zn)	mg/kg	37.0	ASTM-D 6357
Remarks: All results expressed as % by weight of Coal.				

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

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Note:

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



Mahabal Enviro Engineers Pvt. Ltd.

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Test Report

Report No.: ME-CG02554-221111-FA-NTPC-RAIGARH		Date: 11.11.2022	
Name and address of Customer	NTPC LIMITED		Order Reference
	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	Fly Ash	Sample Collected by	Laboratory
Sampling Location	NTPC LARA Plant	Sample Quantity/Packing	2kg X 1 No. Polythene Bag
Date of Sampling	02.11.2022	Date of Receipt of Sample	04.11.2022
Sampling Procedure	IS 6491		
Date of Start of Analysis	04.11.2022	Date of Completion of Analysis	10.11.2022

Sr. No.	Parameter	Unit	Result	Method Reference
1	Total Arsenic (as As)	mg/kg	BQL (LOQ:0.3)	ASTM-D 4606
2	Total Cadmium (as Cd)	mg/kg	BQL (LOQ:2)	ASTM-D 6357
3	Total Chromium (as Cr)	mg/kg	19.1	ASTM-D 3683
4	Total Copper (as Cu)	mg/kg	56.1	ASTM-D 3683
5	Total Iron (as Fe)	mg/kg	32960	ASTM-D 3683
6	Total Zinc (as Zn)	mg/kg	65.1	ASTM-D 3683
7	Total Lead (as Pb)	mg/kg	BQL (LOQ:1.2)	ASTM-D 6357
8	Total Mercury	mg/kg	BQL (LOQ:0.1)	CPCB(HW), Page No. 62
9	Total Chromium Hexavalent	mg/kg	4.05	CPCB(HW), Page No. 66 to 72

Remark: All results are as on received basis. BQL: Below Quantification Limit; LOQ: Limit of Quantification.

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

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Page 1 of 1

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Test Report

Report No.: ME-CG02555-221111-BA-NTPC-RAIGARH		Date: 11.11.2022	
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	02.11.2022	Date of Receipt of Sample	04.11.2022
Sampling Procedure	IS 6491		
Date of Start of Analysis	04.11.2022	Date of Completion of Analysis	10.11.2022

Sr. No.	Parameter	Unit	Result	Method Reference
1	Total Arsenic (as As)	mg/kg	BQL (LOQ:0.3)	ASTM-D 4606
2	Total Cadmium (as Cd)	mg/kg	BQL (LOQ:2)	ASTM-D 6357
3	Total Chromium (as Cr)	mg/kg	18.9	ASTM-D 3683
4	Total Copper (as Cu)	mg/kg	53.5	ASTM-D 3683
5	Total Iron (as Fe)	mg/kg	34047	ASTM-D 3683
6	Total Zinc (as Zn)	mg/kg	58.3	ASTM-D 3683
7	Total Lead (as Pb)	mg/kg	BQL (LOQ:1.2)	ASTM-D 6357
8	Total Mercury	mg/kg	BQL (LOQ:0.1)	CPCB(HW), Page No. 62
9	Total Chromium Hexavalent	mg/kg	4.4	CPCB(HW), Page No. 66 to 72

Remark: All results are as on received basis. BQL: Below Quantification Limit; LOQ: Limit of Quantification.

-----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

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Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

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Test Report

Report No.: ME-CG5047-230117-SA-NTPC-RAIGARH		Date: 17.01.2023	
Name and address of Customer	NTPC LIMITED		Order Reference
	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 1	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1No.PVC Can
Date of Sampling	09.01.2023	Date of Receipt of Sample	09.01.2023
Sampling Procedure	IS:3025(Part I):1987, RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	09.01.2023	Date of Completion of Analysis	16.01.2023

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1	Temperature	°C	22.9	APHA 23 rd Ed. 2017, 2550-B, 2-74
Residues in water (Trace metal Element)				
2	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	APHA 23 rd Ed. 2017, 3112-B, 3-25
3	Chromium Hexa (as Cr ⁶⁺)	mg/L	BQL (LOQ:0.02)	APHA 23 rd Ed. 2017, 3500-Cr-B,3-71
4	Iron (as Fe)	mg/L	0.075	IS 3025(Part 2), 2019
5	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	IS 3025(Part 2), 2019
6	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	IS 3025(Part 2), 2019
7	Zinc (as Zn)	mg/L	0.023	IS 3025(Part 2), 2019
8	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	IS 3025(Part 2), 2019
9	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	IS 3025(Part 2), 2019
10	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	IS 3025(Part 2), 2019
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification.				

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-CG5048-230117-SA-NTPC-RAIGARH		Date: 17.01.2023	
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	09.01.2023	Date of Receipt of Sample	09.01.2023
Sampling Procedure	IS:3025(Part I):1987, RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	09.01.2023	Date of Completion of Analysis	16.01.2023

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1	Temperature	°C	22.8	APHA 23 rd Ed. 2017, 2550-B, 2-74
Residues in water (Trace metal Element)				
2	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	APHA 23 rd Ed. 2017, 3112-B, 3-25
3	Chromium Hexa (as Cr ⁶⁺)	mg/L	BQL (LOQ:0.02)	APHA 23 rd Ed. 2017, 3500-Cr-B,3-71
4	Iron (as Fe)	mg/L	0.112	IS 3025(Part 2), 2019
5	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	IS 3025(Part 2), 2019
6	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	IS 3025(Part 2), 2019
7	Zinc (as Zn)	mg/L	0.055	IS 3025(Part 2), 2019
8	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	IS 3025(Part 2), 2019
9	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	IS 3025(Part 2), 2019
10	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	IS 3025(Part 2), 2019
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification.				

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Rajiv Kumar Pal

CHIEF CHEMIST



Note:

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Page 1 of 1

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Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

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

Test Report

Report No.: ME-CG2242-221110-SA-NTPC-RAIGARH		Date: 10.11.2022	
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	02.11.2022	Date of Receipt of Sample	02.11.2022
Sampling Procedure	IS:3025(Part I):1987, RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	02.11.2022	Date of Completion of Analysis	09.11.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1	Temperature	°C	27.3	APHA 23 rd Ed. 2017, 2550-B, 2-74
Residues in water (Trace metal Element)				
2	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	APHA 23 rd Ed. 2017, 3112-B, 3-25
3	Chromium Hexa (as Cr ⁶⁺)	mg/L	BQL (LOQ:0.02)	APHA 23 rd Ed. 2017, 3500-Cr-B,3-71
4	Iron (as Fe)	mg/L	0.110	IS 3025(Part 2), 2019
5	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	IS 3025(Part 2), 2019
6	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	IS 3025(Part 2), 2019
7	Zinc (as Zn)	mg/L	0.049	IS 3025(Part 2), 2019
8	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	IS 3025(Part 2), 2019
9	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	IS 3025(Part 2), 2019
10	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	IS 3025(Part 2), 2019
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification.				

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

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Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors

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

Test Report

Report No.: ME-CG2243-221110-SA-NTPC-RAIGARH		Date: 10.11.2022	
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	02.11.2022	Date of Receipt of Sample	02.11.2022
Sampling Procedure	IS:3025(Part I):1987, RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	02.11.2022	Date of Completion of Analysis	09.11.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1	Temperature	°C	27.2	APHA 23 rd Ed. 2017, 2550-B, 2-74
Residues in water (Trace metal Element)				
2	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	APHA 23 rd Ed. 2017, 3112-B, 3-25
3	Chromium Hexa (as Cr ⁶⁺)	mg/L	BQL (LOQ:0.02)	APHA 23 rd Ed. 2017, 3500-Cr-B,3-71
4	Iron (as Fe)	mg/L	0.070	IS 3025(Part 2), 2019
5	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	IS 3025(Part 2), 2019
6	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	IS 3025(Part 2), 2019
7	Zinc (as Zn)	mg/L	0.044	IS 3025(Part 2), 2019
8	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	IS 3025(Part 2), 2019
9	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	IS 3025(Part 2), 2019
10	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	IS 3025(Part 2), 2019
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification.				

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

Fly Ash Notification Dated 31st December 2021 - Statutory Compliance

Report for the period 01.04.2022 to 31.03.2023

Sl. No.	Details	Reply
1	Name of Power Plant	Lara Super Thermal Power Project
2	Name of the company	NTPC Limited
3	District	Raigarh
4	State	Chhattisgarh
5	Postal address for communication:	Vill-Chhapora, PO&PS-Pussore, Dist.-Raigarh, Chhattisgarh-496440
6	E-mail:	aulara@ntpc.co.in, hoplara@ntpc.co.in
7	Power Plant installed capacity (MW):	2 x 800 MW = 1600 MW
8	Plant Load Factor (PLF):	83.37
9	No. of units generated (MWh):	11685393.80
10	Total area under power plant (ha): (including area under ash ponds)	1011.71
11	Quantity of coal consumption during reporting period (Metric Tons per Annum):	8577002
12	Average ash content in percentage (per cent):	41.98
13	Quantity of current ash generation during reporting period (Metric Tons per Annum): Fly ash (Metric Tons per Annum): Bottom ash (Metric Tons per Annum):	3604126.7 2883301.4 720825.3
14	Capacity of dry fly ash storage silo(s) (Metric Tons) :	2100 (= 3 x 700 MT)
15	Details of utilisation of current ash generated during reporting Period (MTPA)	
	(a) Total quantity of current ash utilised during reporting period:	1370701
	(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels)	3208
	(ii) Cement manufacturing:	0
	(iii) Ready mix concrete:	0
	(iv) Ash and Geo-polymer based construction material:	0
	(v) Manufacturing of sintered or cold bonded ash aggregate:	0
	(vi) Construction of roads, road and fly over embankment:	1111446
	(vii) Construction of dams:	0
	(viii) Filling up of low lying area:	255408
	(ix) Filling of mine voids:	0
	(x) Use in overburden dumps:	0


Diwakar Kaushik

दिवाकर कौशिक
DIWAKAR KAUSHIK
कार्यकारी निदेशक (लारा)
Executive Director (Lara)
एनटीपीसी-लारा, रायगढ़ (छ.ग.)
NTPC-LARA, Raigarh (C.G.)

	(xi) Agriculture:	0
	(xii) Construction of shoreline protection structures in coastal districts:	0
	(xiii) Export of ash to other countries:	0
	(xiv) Others (please specify):	639 (Cenosphere)
	(c) Quantity of bottom ash utilised (MTPA):	0
	(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	0
	(ii) Cement manufacturing:	0
	(iii) Ready mix concrete:	0
	(iv) Ash and Geo-polymer based construction material:	0
	(v) Manufacturing of sintered or cold bonded ash aggregate:	0
	(vi) Construction of roads, road and flyover embankment:	0
	(vii) Construction of dams:	0
	(viii) Filling up of low lying area:	0
	(ix) Filling of mine voids:	0
	(x) Use in overburden dumps:	0
	(xi) Agriculture:	0
	(xii) Construction of shoreline protection structures in coastal districts:	0
	(xiii) Export of ash to other countries:	0
	(xiv) Others (please specify):	0
	Total quantity of current ash unutilised (MTPA) during reporting period:	2233426
16	Percentage utilisation of current ash generated during reporting period (per cent):	38.03
17	Details of disposal of ash in ash ponds	
	(a) Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31st March (excluding reporting period):	23.2 LMT
	(b) Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):	22.3 LMT
	(c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m3):	615592
	(d) Total number of ash ponds:	01
	(i) Active:	01
	(ii) Exhausted (yet to be reclaimed):	00
	(iii) Reclaimed:	00
	(e) total area under ash ponds (ha):	144
18	Individual ash pond details Ash pond- 1,2, etc. (please provide below mentioned details separately, if number of ash ponds is more than one)	
	(a) Status: Under construction or Active or Exhausted or Reclaimed	Active

	(b) Date of start of ash disposal in ash pond (DD/MM/YYYY or MMYYYY):	01.10.2019
	(c) Date of stoppage of ash disposal in ash pond after completing its capacity (DD/MM/YYYY or MM/YYYY): (Not applicable for active ash ponds)	NA
	(d) area (hectares):	144
	(e) dyke height (m):	Starter Dyke up to 12 m & 3 m raisings
	(f) volume (m3):	130 LCM
	(g) quantity of ash disposed as on 31st March (Metric Tons):	45.5 LMT
	(h) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):	80 LMT 47.7%
	(i) expected life of ash pond (number of years and months):	2 Year & 2 Months
	(j) co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)	21°43'22.3" 83°27'41.5" 21°43'31.0" 83°27'41.5" 21°43'35.9" 83°27'42.1" 21°43'37.7" 83°27'59.5" 21°43'39.1" 83°28'1.1" 21°43'42.6" 83°28'7.8" 21°43'45.3" 83°28'12.0" 21°43'45.3" 83°28'22.3" 21°43'46.9" 83°28'22.3" 21°44'11.9" 83°28'34.1"
	(k) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining	No lining
	(l) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)	Bottom ash as LCSD Fly ash as HCSD
	(h) Ratio of ash: water in slurry mix	1:55
	(m) Ash water recycling system (AWRS) installed and functioning: Yes or No	Yes
	(n) Quantity of wastewater from ash pond discharged into land or water body (m3):	NIL
	(o) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:	14.12.2021 IIT Hyderabad
	(p) Last date when the audit was conducted and name of the organisation who conducted the audit:	22.11.21 to 23.11.21 Internal audit (NTPC)
19	Quantity of legacy ash utilised (MTPA):	NA
	i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	-
	ii. Cement manufacturing:	-
	iii. Ready mix concrete:	-
	iv. Ash and Geo-polymer based	-

	construction material:	
	v. Manufacturing of sintered or cold bonded ash aggregate:	-
	vi. Construction of roads, road and flyover embankment:	-
	vii. Construction of dams:	-
	viii. Filling up of low lying area:	-
	ix. Filling of mine voids:	-
	x. Use in overburden dumps:	-
	xi. Agriculture:	-
	xii. Construction of shoreline protection structures in coastal districts:	-
	xiii. Export of ash to other countries:	-
	xiv. Others (please specify):	-
20	Summary:	
	Details	Quantity generated (MTP)
	Current ash during reporting period	3604126.7
	Legacy ash	NIL
	Total	3604126.7
		Quantity utilised (MTP) and (per cent)
		1370701 / 38.03%
		Balance quantity (MTP)
		2233425.7
		NA
		NA
		1370701 / 38.03%
		2233425.7
21	Any other information: Soft copy of the annual compliance report, and shape files of power plant and ash ponds may be e-mailed to:- moefcccoalash@gov.in	-
22	Signature of Authorised Signatory	


 Signature of the Head of Project
 of the thermal power station
 Name *Diwakar Kaushik*
 Designation *ED*
 Date: *01/5/23.*

दिवाकर कौशिक
DIWAKAR KAUSHIK
 कार्यकारी निदेशक (लारा)
 Executive Director (Lara)
 एनटीपीसी-लारा, रायगढ़ (छ.ग.)
 NTPC-LARA, Raigarh (C.G.)

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

Vendor Code : 1130685

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

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

<div>(Bill of Quantity)</div> <div><div>Name of Work:</div><div>Conducting SIE and NAS for NTPC LARA</div></div>							
SI No.	Code	Description	Unit	Quantity	Net Price	Amount	Long Text
<div>Delivery/Invoicing Address:</div> <div>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</div>							
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	
<div>Amount</div> <div>Other Charges</div>						<div>1124500.00</div> <div>0.00</div>	
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	195,000.0000	195,000.00
10 .20		Field Study (Remuneration of survey team	1	NO	246,000.00	0.00	0.00	0.00	246,000.0000	246,000.00
10 .30		Data Compilation and analysis (This incl	1	NO	228,000.00	0.00	0.00	0.00	228,000.0000	228,000.00
10 .40		Report Writing (which includes Writing o	1	NO	199,000.00	0.00	0.00	0.00	199,000.0000	199,000.00
10 .50		Travelling (Excluding Local travel at NT	1	NO	190,000.00	0.00	0.00	0.00	190,000.0000	190,000.00
10 .60		Printing of report	1	NO	66,500.00	0.00	0.00	0.00	66,500.0000	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)
October 2022	945849 (A)	2304972 (B)	2.44
November 2022	1002645.2 (C)	2275610 (D)	2.27
December 2022	902875 (E)	2131253 (F)	2.36
Quarterly Summary	(A+C+E)	(B+D+F)	(B+D+F)/ (A+C+E)
TOTAL	2851369.2	6711835	2.35

Remark: Water withdrawal data from plant reservoir.

Date: 17.01.2023



(SUDHIR DAHIYA)

AGM (ENVIRONMENT MANAGEMENT GROUP)

NTPC LARA

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NTPC-LARA, Raigarh (C.G.)

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)
January 2023	955890 (A)	2194308 (B)	2.30
February 2023	943950 (C)	2169537 (D)	2.30
March 2023	1126140 (E)	2701127 (F)	2.40
Quarterly Summary	(A+C+E)	(B+D+F)	(B+D+F)/ (A+C+E)
TOTAL	3025980	7064972	2.33

Remark: Water withdrawal data from plant reservoir.

Date: 24.04.2023



(SUDHIR DAHIYA)
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