



A Maharatna Company

एन टी पी सी लिमिटेड
(भारत सरकार का उद्योग)
NTPC Limited
(A Govt. of India Enterprise)
(Formerly National Thermal Power Corporation Ltd)

Ref. No. 1049/EMG/2017/81

Date: 30/11/2017

To,

Dr. S.K.Lal,
Scientist 'B'
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Subject: Environment Compliance for Gadawara Super Thermal Power Project

Respected Sir,

Enclosed please find "Environment Compliance" for period 01.04.2017 to 30.09.2017 of Gadawara Super Thermal Power Project in line with guidelines stipulated by MoEF for your perusal.

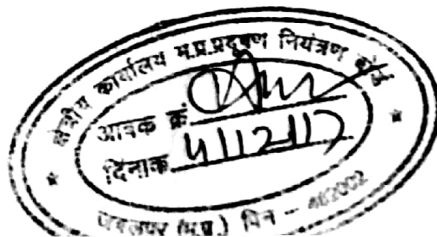
Thanking you,

Yours truly,

(D Shrikhande)

Addl General Manager
(EMG), NTPC Gadawara

धनंजय श्रीखण्डे/Dhananjay Shrikhande
अपर महाप्रबंधक(ई एम जी+ई ई एम जी)/
AGM(EMG+EEMG)
एन.टी.पी.सी.लि./ NTPC LTD.
गडारवारा इ.ता.वि.प./GADARWARA STPP



GADARWARA SUPER THERMAL POWER PROJECT,
STAGE-I (2X800 MW)

Compliance status of Environmental Clearance Vide Letter No: J-13012/125/2009-IA,II(T) Dt:22/03/13
Period of Compliance Report – (01.04.2017 to 30.09.2017)

SL.NO.	MOEF STIPULATION	STATUS AS ON 30.09.2017
A. Specific Conditions:		
I	The project proponent shall set up the power project as a model plant demonstrating that ecology and development can co-exists in harmony and set examples for others to emulate similar practice.	Noted and will be complied.
ii	Sulphur and ash contents in the coal to be use 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.	The said stipulation shall be complied during operation phase of the project.
iii	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 equipment's for SO _x , NO _x and PM _{2.5} & PM ₁₀ . Mercury emissions from stack may also be monitored on periodic basis.	A bi-flue stack of 275 meters height has been constructed and minimum flue gas velocity of 22 m/sec will be ensured during operation phase of the project. Installation of continuous stack monitoring facility for online measurement of SO ₂ , NO _x , Particulate matter (PM) and Mercury emissions from stack shall be provided and work is under progress.
iv	No mine void filling or filling up of low lying areas with fly ash shall be undertaken.	Fly ash will be not used for mine void or filling up of low lying areas without prior approval of statutory agencies.
v	COC of 5.0 shall be adopted	Closed cycle cooling system has been designed with COC of 5.0 for optimisation of water requirement.
vi	Continuous monitoring of Narmada River water quality in its upstream and downstream of water tapping point shall be undertaken regularly and records maintained.	Continuous monitoring of Narmada River water quality in its upstream and downstream of water tapping point shall be undertaken regularly during operation phase of the project. Presently, Hydro-geology study is being carried out by NIH Roorkee. Field work was completed and final report is under preparation. Final report shall be submitted to Regional & Central office of MoEF&CC.
vii	The project proponent shall explore possibility for storage of excess monsoon water for use during lean season. The same could be by construction of barrage at appropriate location which could be carried out in close consultation with the WRD, Govt. of Madhya Pradesh.	In order to meet the said stipulation NTPC Gadarwara project is constructing weir on Narmada river in consultation with WRD, Government of M.P. In addition to this, Hiran WRD, Jabalpur (MP) has been approached and requested to suggest water storage scheme for Shakkar River & Sita Reva River which are tributaries of Narmada.
viii	The ash pond design shall be such that no breach takes place even in the worst case of natural calamity. Since the geology of the area indicates sandy loam and loamy soil, the ash pond need to be appropriately lined with appropriate impermeable media.	The structure of ash dykes shall be designed, constructed and operated as per State of the Art engineering practices for the design and construction of earth dams with adequate factor of safety. The design of ash dyke shall also take into consideration the seismic parameters. In addition ash pond shall be lined with suitable impermeable material like Bentonite blended clay.
ix	Ash pond for Stage-II (400 acres) can be considered only after the first ash pond is dispensed with by filling up of bottom ash and demonstration of 100% fly ash utilization established within four years of	Noted. The said stipulation shall be complied during operation phase of the project.

SL.NO.	MOEF STIPULATION	STATUS AS ON 30.09.2017
	commissioning of the plant. The 2 nd ash pond for Stage-II (400 acres) requirement should not arise and land earmarked can be converted for green belt and or water storage.	
X	Long term study shall be carried to assess impact on the ecology of the river Narmada downstream of the present project site at a different location especially at tapping points for drinking water supply and irrigation. The study shall be carried out by an institute of repute like IIT, Roorkee preferably within six months and report submitted to the Ministry. Thereafter the study shall be repeated after commissioning of both units of 2x800 MW and report subsequently submitted to the Ministry.	Study on impact of water intake and effluent discharge for the project on ecology of River Narmada has been awarded to Annamalai University, Chennai vide LOA dated 17.03.2015. Field work completed and final report is under preparation. Final report shall be submitted to Regional Office (Western Zone) of MoEF&CC. Also, NTPC shall conduct the same study repeatedly as per the stipulations after commissioning of the project.
xi	The project proponent shall explore setting up of R.O System to treat cooling tower blow down discharge of about 5 cusecs and the R.O system shall be so designed so as to take care of drinking water supply for the nearest few villages.	Possibility shall be explored for setting up of R.O System to treat cooling tower blow down discharge of about 5 cusecs to take care of drinking water supply for few nearby villages.
xii	The village ponds / surface water bodies located within 5 kms radius of the project site shall be regenerated in the as part of its social welfare activities.	Under Various community CSR-CD works following initiatives were undertaken: 1. Five ponds in project affected villages (PAVs) have been identified for deepening. Work shall be carried out under Community Development works. 2. Two new ponds constructed in another two PAVs under Community Development works.
xiii	An amount of Rs 45.60 Crores as one time investment shall be earmarked for activities to be taken up under CSR during construction phase of the Project. A detailed CSR Action Plan be furnished to the Ministry within 3 months. Recurring expenditure for CSR thereafter shall be Rs 9.2Crores per annum till the life of the plant. Social Audit by a reputed University or an Institute shall be carried out annually and details to be submitted to MOEF besides putting it on Company's website.	A requisite fund of Rs 45.60 Crore has been earmarked for Community Development works for Gadarwara project and out of which expenditure of Rs 19 Crore has been already done regarding Community Development works in the neighboring villages. Detail and Status of CD-CSR work is enclosed as Annexure-I . Thereafter, an amount of Rs. 9.2 Crores per annum will be earmarked as recurring for CSR activities till the life of the plant and its expense details will be submitted to the Ministry and the social audit will be carried out as per the stipulations.
B. General Conditions		
(i)	Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within six months .	NTPC vide letter dated 08.04.2013 has submitted a Project Vision Document to the Regional Office (Western Zone) of the Ministry of Environment and Forest & Climate Change (MoEF&CC), Bhopal.
(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.	Projects as well as township are in construction phase. Scheme for harnessing solar power within the premises of the plant particularly at available roof tops has been formulated and incorporated in the engineering layout of the project and same shall be implemented after completion of building works at project.
(iii)	Provision for installation of FGD shall be provided for future use.	Adequate space has been kept in the general layout plan of the project for installation of FGD plant for both the units. However, NTPC has already initiated an action for

SL.NO.	MOEF STIPULATION	STATUS AS ON 30.09.2017
		installing FGD Plant for controlling SO _x concentration in flue gas in compliance to latest MOEF&CC emission norms for TPP dated 07.12.2015.
(iv)	Coal transportation to plant site shall be undertaken by rail and no road transportation shall be permitted.	As the MGR system for transportation of coal from Gadawara Railway Station to the plant site is not ready and it will take some time for completion. Hence, initially it has been proposed to transport the coal through road route as an interim arrangement with due precautionary measures to mitigate fugitive dust emission. The required amendment in Environment Clearance (EC) condition for permitting the coal transportation by road for Gadawara has accorded vide MoEF&CC letter dated 01.09.2017. The copy is attached as Annexure-II .
(v)	A long term study of radio activity and heavy metals contents 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.	A detailed study on chemical composition of coal used particularly heavy metal and radio activity contents shall be carried out through a reputed institute once the project starts receiving the coal during operation phase. Work was awarded to 'BARC' for conducting natural background radiation monitoring at Gadawara project.
(vi)	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.	Ash Utilization Plan has been prepared and shall be implemented in compliance to fly ash gazette notification dated 03.11.2009 and its amendment dt Jan'2016 during the operation phase of the project. Further, its status of implementation shall be also submitted to the Regional Office (Western Zone), MoEF&CC at Bhopal in regular interval.
(vii)	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) will be is designed and installed for achieving guaranteed efficiency of 99.99 %. However, NTPC has already initiated an action to ensure that particulate emission will be in compliance to latest MOEF&CC emission norms for TPP dated 07.12.2015.
(viii)	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.	Adequate no. of dust suppression and extraction system shall be provided in coal handling area including coal stock yard area, ash handling points, transfer areas and other vulnerable dusty areas for control of fugitive dust Emissions. Dry fog dust suppression system is being provided at all transfer points.
(ix)	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. Mercury and other heavy metals (As,Hg,Cr,Pb etc.) shall be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.	An ash management scheme shall be implemented consisting of dry ash extraction system (DAES) for dry collection of fly ash with storage facility (silos), supply of ash to entrepreneurs for utilization and promoting ash utilization to maximum possible extent and safe disposal of unused ash in the ash pond area. The plant shall have two different systems for ash disposal- conventional wet slurry disposal with ash water re-circulation for bottom ash and High

SL.NO.	MOEF STIPULATION	STATUS AS ON 30.09.2017
		<p>Concentration Slurry Disposal (HCSD) for disposal of unused fly ash.</p> <p>Periodic monitoring for mercury & heavy metals in the bottom ash and water emanating from ash pond shall be done during the operation phase of the project.</p> <p>No ash shall be disposed off in low lying area without prior approval of statutory agencies.</p>
(x)	<p>Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached. Ash pond water shall be re-circulated and utilized.</p>	<p>To avoid the ground water contamination from bottom ash slurry, one of the bottom ash lagoons is separated by a small temporary bund and the small area shall be lined with impervious liner of 300 MM thickness.</p> <p>Ash pond shall be lined with suitable impermeable material like Bentonite blended clay or HCSD layer.</p> <p>The structure of ash dykes shall be designed, constructed and operated as per State of the Art engineering practices for the design and construction of earth dams with adequate factor of Safety. The design of ash dyke shall also take into consideration the seismic parameters.</p> <p>AWRS system has been also envisaged.</p>
(xi)	<p>Fugitive emissions shall be controlled to prevent impact on such that no agricultural/non-agricultural land. Impact to any land shall be mitigated and suitable compensation provided in consultation with the local Panchayat.</p>	<p>Adequate no. of dust suppression and extraction system shall be provided in coal handling area including coal stock yard area, ash handling points, transfer areas and other vulnerable dusty areas for control of fugitive dust Emissions.</p> <p>Extensive plantation shall be undertaken in all available selectively with Air Pollution Tolerant Index (APTI) plant species.</p>
(xii)	<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>	<p>During operation phase of the project, the 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) and reports of water quality monitored shall be submitted to the Regional Office of the Ministry.</p> <p>Presently, Hydro-geology study is being carried out by NIH Roorkee. Field work has been completed and final report is under preparation.</p> <p>Final report shall be submitted to Regional Office (Western Zone), MoEF&CC at Bhopal.</p>
(xiii)	<p>No ground water shall be extracted for use in operation of the power plant even in lean season.</p>	<p>As per the said stipulation, no ground water will be extracted for use in operation of the power plant.</p>
(xiv)	<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>No water body including natural drainage system of the area has been disturbed due to activities associated with the setting up of the power plant.</p> <p>Moreover, the said stipulation will also be complied during the operation phase of the project.</p>
(xv)	<p>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</p>	<p>Adequate nos. of piezometers will be installed for regular monitoring of ground water level in and around ash pond area as per stipulation and report will be submitted to Regional Office (Western Zone) of</p>

SL.NO.	MOEF STIPULATION	STATUS AS ON 30.09.2017
	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.	MoEF&CC at Bhopal at regular interval during operation phase of the project.
(xvi)	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 shall be carried out regularly as per stipulations and reports shall be submitted to Regional Office of MoEF&CC (Western Zone) at Bhopal. Monitoring for heavy metals in ground water will be also done and its record will be maintained during operation phase of the project.
(xvii)	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.	Noted.
(xviii)	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.	The feasibility of Zero Liquid Discharge (ZLD) shall be adopted based on maximum recycle/reuse of waste water thereby reducing and optimizing the quantities of water requirement and effluent generation to the extent feasible. The project shall have an integrated scheme for treatment, re-cycle and re use of effluents. Provision is being kept to recirculate cooling water and ash pond effluent. The cooling tower blow down shall be used fully/partially for ash handling, service water system, coal handling & firefighting etc. Provision is being kept for treatment, recirculation & reuse of entire quantity of coal handling plant effluents & service water effluents. The effluent treatment system comprising of neutralization pit for DM plant regeneration waste, oil separator/skimers for oily waste, coal slurry settling pond for coal handling plant effluents, lamella clarifier for service water effluents and cooling towers for hot water etc are being provided. The effluents shall be treated adequately conforming to the stipulated regulatory standards. An independent plant effluent drainage system shall be constructed to ensure that plant effluents do not mix with storm water drainage.
(xix)	Waste water generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB/CPCB.	An effluent management scheme shall be implemented with the objective to treat the waste water as per the prescribed statutory standards of MPPCB/CPCB before final discharge/use. It is to be submitted that during normal course of project operation feasibility of Zero Liquid Discharge (ZLD) shall be adopted based on maximum recycle/reuse of waste water for various plant usage thereby reducing and optimizing the quantities of water requirement and effluent generation to the extent feasible.
(xx)	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for	All domestic sewage emanating from plant and township shall be treated in a sewage treatment plant.

SL.NO.	MOEF STIPULATION	STATUS AS ON 30.09.2017
	raising green belt/plantation.	The treated sewage conforming to prescribed standards and shall be utilized for plantation & raising greenbelt to the extent possible.
(xxi)	The project proponent shall undertake rain water harvesting measures and shall develop water storage for use in operation of the plant. 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.	Rain water harvesting shall be practiced as per recommendation/stipulations of Central Groundwater Authority/Board. Action plan for implementation shall be submitted to the Regional Office of the Ministry soon after incorporation of the same in various buildings. Building construction work is under progress.
(xxii)	Additional soil for leveling of the proposed site shall be generated within the sited (to the extent possible) so that natural drainage system of the area is protected and improved.	Soil obtained within the site is being used for leveling of the site.
(xxiii)	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 developed and handed over to the community.	There is no common property resource falling within the plant area.
(xxiv)	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.	Fire Spray & Hydrant system for covering the entire power station including all the auxiliaries and buildings in the plant area shall be implemented. The system shall be complete with piping, hydrants, valves, instrumentation, hoses, nozzles, hose boxes/stations etc. Safety measures with full details shall be submitted after detailed engineering is completed.
(xxv)	Well-designed acoustic enclosures for the DG sets and noise emitting equipments to achieve the desirable insertion loss viz. 25 dB(A) should be provided.	Well-designed acoustic enclosures meeting the latest statutory norms for DG sets will be provided. Further, the compliance of latest norms on noise standard will be ensured.
(xxvi)	Storage facilities for auxiliary liquid fuel such as LDO/HFO/LSHS shall be made in the plant area in consultation with department of Explosives, Nagpur; Sulphur content in the liquid fuel shall not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	A detailed Disaster Management Plan & Risk assessment including fire and explosion issues is prepared and regular mock drills are being conducted as per plan in order to address any eventuality in case of an accident.
(xxvii)	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	All arrangements related to first aid, health & safety and sanitation for workers during construction phase of the project have been kept under the scope of EPC contractor. However, NTPC shall ensure effective compliance of the said stipulations. Various measures implemented during construction phase through contractor are: <ul style="list-style-type: none"> Adequate infrastructure facilities, such as sanitation, fuel, restroom, medical facilities, safety, and suitable water supply are being provided at various stages of project construction to the labor colonies housing the work force during construction phase of the project. The sanitary waste from these areas shall be accorded suitable treatment. Safety equipment such as earplugs and earmuffs, helmets, face shields, safety goggles etc. is being

SL.NO.	MOEF STIPULATION	STATUS AS ON 30.09.2017
		<p>provided to workers engaged in high risk areas.</p> <ul style="list-style-type: none"> • A first aid center & ambulance have been established to provide immediate medical aid to the workers and their Family members. An ambulance service is available at site to transport injured workers to nearby hospitals.
(xxviii)	<p>Noise levels emanating from turbines shall be limited to 85 dB (A) from source. For people working in the high noise area, requisite PPEs 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>Design specification for the equipment's has been made to comply with the stipulation. Personal protective equipment has been arranged through contractors during construction phase. Periodic examination of workers during operation phase shall be done as stipulated.</p> <p>The workers of generator halls and other high noise area shall be provided with appropriate ear protection devices.</p>
(xxix)	<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 provide immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional office of this Ministry. The data shall also be put on the website of the company.</p>	<p>Regular monitoring of AAQ shall be done during the operation of the plant. The four locations of AAQMS have been finalized in consultation with MPPCB. Four (4) no. of AAQMS equipment's shall be installed at site and the infra-structure requirements for the stations are being established. Data shall be submitted to the Regional Office (Western Zone) of the MoEF&CC.</p> <p>The data shall also be put up on the website of the company during the operation phase of the project.</p>
(xxx)	<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 2500per ha with survival rate not less than 80%.</p>	<ul style="list-style-type: none"> • Green Belt around the Main Plant area except transmission corridor shall be planted. • Around 150 acres of land has been envisaged for the green belt development. • Green Belt around the Township area shall be planted. • Extensive afforestation has been undertaken at all available spaces in and around project. • Avenue Plantation along the Road is being done. • The density of trees shall not less than 2500 per ha with all efforts to maintain the survival rate not less than 80%. • Under development of green belt work 30,000 trees have been planted at project in 2017.
(xxxi)	<p>An Environmental Cell comprising of at-least one expert in environmental science / engineering, occupational health and a social scientist, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the head of the organization who would be accountable for implementation of environmental regulations and social impact improvement / mitigation measures.</p>	<p>An Environment Management Group (EMG) has been set up at Gadarwara STPP.</p> <p>The EMG will be responsible for implementing and monitoring the stipulations/ issues / statutory norms. EMG will have sufficient trained manpower and equipment for environmental monitoring and other environmental related activities to ensure compliance with statutory requirements. It shall interact regularly with the State Pollution Control Board.</p> <p>A laboratory at Gadarwara STPP will be well equipped for monitoring of ambient air quality, stack emission water/effluent quality, etc.</p>
(xxxii)	<p>The project proponent shall also adequately contribute in the development of the neighbouring villages. Special package with implementation schedule for providing potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.</p>	<p>Expenditure of Rs 18.017 Crore has been done regarding Community Development works in the neighboring villages.</p> <p>Payment disbursed for scheme of potable drinking water supply to each household in PAVs. Hand pumps</p>

SL.NO.	MOEF STIPULATION	STATUS AS ON 30.09.2017
(xxxiii)	<p>CSR scheme shall be undertaken based on need based assessment in and around the villages within 5 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR employment of local youth after imparting relevant training as may be necessary shall be undertaken as committed.</p>	<p>installed in all 7 PAVs.</p> <p>Infrastructure works in Project Affected Villages (PAVs):</p> <ul style="list-style-type: none"> • CC road constructed in Village Dongargaon. • Road side plantation was done in all PAVs. • CC road construction in Village Chorbarheta. <p>Drinking water:</p> <ul style="list-style-type: none"> • Hand pumps installed in all 7 PAVs. • Payment disbursed for supply of water to each household in PAVs. <p>Sanitation:</p> <ul style="list-style-type: none"> • Ghat Pipariya is now open defecation free. • Payment disbursed for toilet construction in each house for • Gangai & Umaria villages. • Toilets worth 29 lacs constructed in Village Chorbarheta. <p>Education:</p> <ul style="list-style-type: none"> • Boundary wall of schools under construction in all PAVs. • Scholarship distributed to meritorious students of Government schools of class V, VIII & X. <p>Health:</p> <ul style="list-style-type: none"> • 6 medical camps and one family planning camp organized for PAVs. • Upgradation of District hospital was done. • Upgradation of Red Cross hospital was done. <p>Other welfare measures:</p> <ul style="list-style-type: none"> • Contribution made towards 2 camps for upliftment of weaker sections and one cultural program. <p>Infrastructure works in Vicinities:</p> <ul style="list-style-type: none"> • Two CC road constructed in Narsinghpur. • Solar system installed in remotely located Village Badgaon. • Community Centres constructed in various villages, Gadarwara & villages, Gadarwara & Narsinghpur. <p>As annexure- I</p>
(xxxiv)	<p>It shall be ensured that an in-built monitoring mechanism for the CSR schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time. The achievements should be put on company's website.</p>	<p>The said stipulation shall be complied during operation phase of the project.</p>
(xxxv)	<p>Provision shall be made for the housing of construction labor (as applicable) within the site with all necessary infrastructures and facilities such as fuel for cooking ,mobile toilets, mobile STP, safe drinking water, medical health care , crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.</p>	<p>All construction agencies working at NTPC Gadarwara Project are providing temporary accommodation for their workers near to work site. The engaged contractors are responsible for providing facilities for housing of construction labor (as applicable) within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care etc.</p>
(xxxvi)	<p>The project proponent shall advertise in at least two local news papers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days</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. Dainik Bhaskar on 27.03.2013

SL.NO.	MOEF STIPULATION	STATUS AS ON 30.09.2017
	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 be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in .	(Hindi) 2. Nayi Duniya on 23.10.2013 (Hindi)
(xxxvii)	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.	The copy Environmental Clearance has been submitted to the following concerned offices. (1) Collector, Narsinghpur. (2) General Manager, District Trade & Industries Centre, Narsinghpur. (3) CEO, Zila Panchayat (4) Secretary, Gram Panchayat Gangai. (5) Secretary, Gram Panchayat Kudari. (6) Secretary, Gram Panchayat Chor Barheta. The Environmental Clearance has also been uploaded on the NTPC website.
(xxxviii)	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM2.5&PM10), 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	The latest HYC report of EC conditions is regularly being submitted to the Regional Office (Western Zone) of MOEF&CC at Bhopal and at the same time it is also uploaded on the NTPC website which is periodically being replaced with updated HYC report. Online continuous Stack Emission Monitoring System (CSEMS) for the parameters like particulate matter (PM) NO _x , SO ₂ , Mercury are being installed. Once the pollution control equipment are in operation the data shall be uploaded to the online emission to MPPCB and CPCB server during operation phase of the project.
(xxxix)	The environment statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	The environment statement for each financial year ending 31 st March in Form-V shall be submitted once the plant becomes operational to Madhya Pradesh Pollution Control Board (MPPCB).
(xl)	The project proponent shall submit six monthly reports on the status of the implementations 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 Regional office, Ministry of Environment and Forests.	Latest Six monthly reports on the status of the implementations of the stipulated environmental safeguards is regularly being submitted to the MOEF&CC/MPPCB/Regional Office (Western Zone), MoEF&CC/CPCB etc. and at the same time and it is also uploaded on the NTPC website which is periodically being replaced with updated HYC report.
(xli)	Regional office of the Environment & Forests shall monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent shall 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	A complete set of documents including Environmental Impact Assessment (EIA) Report and Environment Management Plan (EMP) along with the additional information / clarifications were forwarded on 10.03.2014 to the Regional Office (Western Region) of MOEF&CC at Bhopal.

SL.NO.	MOEF STIPULATION	STATUS AS ON 30.09.2017
	NOx (from stack & ambient air) shall be displayed at the main gate of the power plant.	
(xlii)	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.	The requisite funds for environmental mitigation measures have been included in the project cost. Financial provision stipulated towards environmental mitigate measures shall not be diverted for other purposes.
(xliii)	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.	Shall be complied.
(xliv)	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.	Full cooperation shall be extended to the Scientists / officers from the Ministry / Regional Office of the Ministry at Bhopal (Western Region) / the CPCB / the MPPCB during monitoring of the project.
(xlv)	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 of modify the existing ones, if necessary.	Noted.
(xlvi)	The environmental clearance accorded shall be valid for a period of 5 years to start operations by the power plant	Noted.
(xlvii)	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.
(xlviii)	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.

R&R PALN EXECUTION DETAILS OF GADARWARA SUPER THERMAL POWER PROJECT														
CUMULATIVE EXPENSES ON APPROVED CD WORK FOR GwSTPP														
B	COMMUNITY													
B.1	CD works in PAVs													
Head	Su-Head	Area	Description	Activities	Name of village	Subject	Approved	Utilise (Amount in lacs)	Balance	Agency	REMARKS			
B.1	B.1.1	Infrastructure works **	Construction of cement concrete (CC) roads & drainage, community halls, Panchayat bhawan, weekly market places (02), passenger shelter, welcome gates, playgrounds, river bank ghat, public orchard, tree plantation, solar lights, etc	CC ROAD	Gangai	CC road and drain at Gangai	10.00	10.00	0.00					
					Ghat pipariya	Construction of CC road		10.00	10.00	0.00	CEO JP			
					Kudari	CC road and drain at Kudari		10.00	10.00	0.00	CEO JP			
					Umaria	CC road and drain at Umaria		10.00	10.00	0.00	CEO JP			
					Dongargaon	Construction of CC road		13.50	13.50	0.00	CEO JP			
					Mehrakheda	CC road in Mehrakheda,Chorbarheta,Kudari		10.00	10.00	0.00	NTPC	(out of 21.83lacs)		
					Kudari	CC road in Mehrakheda,Chorbarheta,Kudari		6.30	6.30	0.00	CEO JP	(out of 21.83lacs)		
					Chorbarheta	CC road in Mehrakheda,Chorbarheta,Kudari		5.53	5.53	0.00	CEO JP	(out of 21.83lacs)		
					Chorbarheta	Construction of CC road		17.35	17.35	0.00	CEO JP			
					Dongargaon	Construction of CC road		0.51	0.51	0.00	NTPC			
					Umaria	Construction of Road from NTPC link Road to Umaria		104.51	52.25	52.26	NTPC			
					Mehrakheda	Construction of CC road/pathway		4.00	4.00	0.00	RES			
					Dongargaon	CC pathway in Dongargaon		6.30	6.30	0.00	NTPC			
					Dongargaon	Construction of Cement Concrete Road		23.13	23.13	0.00	CEOJP			
					Chorbarheta	Construction of Cement Concrete Road		19.34	19.34	0.00	NTPC			
					Chorbarheta	Raising of Road Chowk at Chorbarehta		1.91	1.91	0.00	NTPC			
					Mehrakheda	Repair of Road Chorbarheta to Mehrakheda		2.45	2.45	0.00	NTPC			
					Mehrakheda	Construction of Road- Plant Boundary to Mehrakheda		60.64	60.64	0.00	NTPC			
					Mehrakheda	Temporary road across Shakkar		0.37	0.37	0.00	RES			
								Sub Total	315.83	263.57	52.26	NTPC		
B.1	B.1.1	Infrastructure works **			Construction of cement concrete (CC) roads & drainage, community halls, Panchayat bhawan, weekly market places (02), passenger shelter, welcome gates, playgrounds, river bank ghat, public orchard, tree plantation, solar lights, etc	Construction of community hall	Chorbarheta	Construction of Community Halls	12.42	12.42	0.00	RES	(50% of) part of 74.52 lacs	
			Dongargaon	Construction of Community Halls				12.42	12.42	0.00	RES			
			Ghat Pipariya	Construction of Community Halls				12.42	12.42	0.00	RES			
			Kudari	Construction of Community Halls				12.42	12.42	0.00	RES			
			Mehrakheda	Construction of Community Halls				12.42	12.42	0.00	RES			
			Umaria	Construction of Community Halls				12.42	12.42	0.00	RES			
			Umaria	Construction of Community Halls				12.42	12.42	0.00	RES			
			Chorbarheta	Construction of Community Halls				12.42	12.42	0.00	RES			
			Dongargaon	Construction of Community Halls				12.42	12.42	0.00	RES			
			Ghat Pipariya	Construction of Community Halls				12.42	12.42	0.00	RES			
			Kudari	Construction of Community Halls				12.42	12.42	0.00	RES			
			Mehrakheda	Construction of Community Halls				12.42	12.42	0.00	RES			
								Sub Total	149.04	149.04	0.00			
				Entrance Gate			Chorbarheta	Construction of Entrance gate	2.60	2.60	0.00	CEOJP		
							Dongargaon	Construction of Entrance gate	2.60	2.60	0.00	CEOJP		
							Ghat Pipariya	Entrance gate at Ghat pipariya	2.60	2.60	0.00	CEOJP		
							Gangai	Entrance gate in 3 villages	2.60	2.60	0.00	CEOJP		(out of 7.8lacs)
							Kudari	Entrance gate in 3 villages	2.60	2.60	0.00	CEOJP		(out of 7.8lacs)
							Mehrakheda	Construction of Entrance gate	2.60	2.60	0.00	CEOJP		
							Umaria	Entrance gate in 3 villages	2.60	2.60	0.00	CEOJP		(out of 7.8lacs)
								Sub Total	18.20	18.20	0.00			
				Passenger shed	Dongargaon	Passenger shed	2.00	2.00	0.00	CEOJP				
					Kudari	Construction of passenger shed	2.00	2.00	0.00	CEOJP				
					Ghat Pipariya	Construction of Ghat /Steps,Passenger Shed & Pond	12.00	12.00	0.00	CEOJP				
						Sub Total	16.00	16.00	0.00					
				Cemetry	Ghat Pipariya	cemetery at Ghat Pipariya	4.44	4.44	0.00	CEOJP				
					Kudari	Cemetery in villages	1.71	1.71	0.00	CEOJP				
					Dongargaon	Dongargaon cemetery	4.85	4.85	0.00	CEO JP				
						Sub Total	11.00	11.00	0.00					

CUMULATIVE EXPENSES ON APPROVED CD WORK FOR GwSTPP											
B COMMUNITY											
B.1 CD works in PAVs											
Head	Sub-Head	Area	Description	Activities	Name of village	Subject	Approved	Utilise (Amount in lacs)	Balance	Agency	REMARKS
				Panchayat Bhavan	Chorbarheta				0.00		
				Additional Classroom	Chorbarheta				0.00		
				Prantation	Plantation in PAV's	ChorbarhetaPlantation in PAV's (out of	17.69	3.15	14.54	CEO JP	17.69 lacs
							17.69	3.15	14.54		
B.1	B.1.1	Infrastructure works **	Construction of cement concrete (CC) roads & drainage, community halls, Panchayat bhawan, weekly market places (02), passenger shelter, welcome gates, playgrounds, river bank ghat, public orchard, tree plantation, solar lights, etc	Public chabutra in Villages	Chorbarheta	Construction of public chabutra	0.35	0.35	0.00	CEO JP	
					Dongargaon	Construction of public chabutra	0.35	0.35	0.00	CEO JP	
					Gangai	Construction of public chabutra	0.35	0.35	0.00	CEOJP	
					Umara	Construction of public chabutra	0.35	0.35	0.00	CEOJP (out of 1.4lacs)	
					Ghat Pipariya	Construction of public chabutra	0.35	0.35	0.00	CEOJP (out of 1.4lacs)	
					Mehrakheda	Construction of public chabutra	0.35	0.35	0.00	CEOJP (out of 1.4lacs)	
					Kudari	Construction of public chabutra	0.35	0.35	0.00	CEOJP (out of 1.4lacs)	
						Sub Total	2.45	2.45	0.00		
				Deepening and widening of existing pond	Chorbarheta	Deepening and widening of existing pond	5.00	5.00	0.00	NTPC	
					Gangai	Deepening and widening of existing pond	5.00	5.00	0.00	NTPC	
					Dongargaon	Dongargaon cemetery			0.00	RES	
					Dongargaon	Deepening and widening of existing pond	5.00	5.00	0.00	NTPC	
					Kudari	Construction of ghat /steps	5.00	5.00	0.00	CEO JP	
					Gangai	Deepening and widening of existing pond	5.00	5.00	0.00	NTPC	
						Sub Total	25.00	25.00	0.00		
				Electrical works in PAVs	Dongargaon	Electrical works in PAVs`	8.00	8.00	0.00	NTPC	(out of 40 lacs)
					Kudari	Electrical works in PAVs`	8.00	8.00	0.00	NTPC	(out of 40 lacs)
					Mehrakheda	Electrical works in PAVs`	8.00	8.00	0.00	NTPC	(out of 40 lacs)
					Chorbarheta	Electrical works in PAVs`	8.00	8.00	0.00	NTPC	(out of 40 lacs)
					Umara	Electrical works in PAVs`	8.00	8.00	0.00	NTPC	(out of 40 lacs)
						Sub Total	40.00	40.00	0.00		
				Uchit Mulya Dukan	Gangai	Construction of shed for Uchit Mulya Dukan Gangai	3.40	3.40	0.00	RES	
						Sub Total	3.40	3.40	0.00		
						TOTAL B.1(Infrastructure)	598.61	531.80	66.80		
B.1	B.1.2	Drinking water	Overhead tanks & pipelines, hand-pumps, deepening of pond.	Installation of Hand pumps	Chorbarheta	Installation of Hand pumps in PAVs	2.52	2.52	0.00	PHE	(out of 16.14lacs)
					Dongargaon	Installation of Hand pumps in PAVs	2.52	2.52	0.00	PHE	
					Gangai	Installation of Hand pumps in PAVs	2.52	2.52	0.00	PHE	
					Ghat pipariya	Installation of Hand pumps in PAVs	2.52	2.52	0.00	PHE	
					Kudari	Installation of Hand pumps in PAVs	2.52	2.52	0.00	PHE	
					Mehrakheda	Installation of Hand pumps in PAVs	2.52	2.52	0.00	PHE	
					Umara	Installation of Hand pumps in PAVs	1.02	1.02	0.00	PHE	
						Sub Total	16.14	16.14	0.00		
				Water supply pipeline	Chorbarheta	Water supply pipeline	20.00	20.00	0.00	PHE	(out of 119.61 lacs)
					Dongargaon	Water supply pipeline	18.55	18.55	0.00	PHE	
					Gangai	Water supply pipeline	20.00	20.00	0.00	PHE	
					Ghat pipariya	Water supply pipeline	9.62	9.62	0.00	PHE	
					Kudari	Water supply pipeline	19.62	19.62	0.00	PHE	
					Mehrakheda	Water supply pipeline	16.20	16.20	0.00	PHE	
					Umara	Water supply pipeline	15.62	15.62	0.00	PHE	
						Sub Total	119.61	119.61	0.00		
						TOTAL B.1.2(Drinking Water)	135.75	135.75	0.00		

CUMULATIVE EXPENSES ON APPROVED CD WORK FOR GwSTPP

B COMMUNITY															
B.1 CD works in PAVs															
Head	Su-Head	Area	Description	Activities	Name of village	Subject	Approved	Utilise (Amount in lacs)	Balance	Agency	REMARKS				
B.1	B.1.3	Sanitation	Individual toilets in all households, common urinal, public garbage dumping place.	Toilts	Dongargaon	Toilets in each house	15.30	15.30	0.00	CEOJP	(Dongargaon102)				
					Gangai	Toilets in Every house hold in PAVs	115.00	115.00	0.00	CEOJP	(out of 125 lacs)				
					Ghat Pipariya	Toilets in Every house hold in PAVs	44.31	44.31	0.00	CEOJP	(out of 125 lacs)				
					Kudari	Toilet construction in each house in Kudari	28.05	28.05	0.00	CEOJP	(Demand 162)				
					Umaria	Toilet in each house Umaria	4.68	4.68	0.00	CEOJP					
					Mehrakheda	Toilet construction in each house	10.32	10.32	0.00	CEOJP	(Mehrakheda61)				
					Gangai	toilet block in govt high school	2.45	2.45	0.00	CEOJP					
					Gangai	Construction of toilets in premises of Uchit Mulya Dukan Gangai	4.19	4.19	0.00	RES					
					Chorbarheta	Toilets in Every house hold in PAVs	28.34	28.34	0.00	RES	(1 Chorbarheta)				
					Sub Total	252.64	252.64	0.00							
					TOTAL B.1.2(Sanitation)	367.64	252.64	115.00							
B.1	B.1.4	Education	Construction of Anganwadi, additional rooms in schools, kitchen sheds, study material, computers, books, sports item, etc	Boundary Walls	Dongargaon	Boundary Walls in PAV Schools	4.06	4.06	0.00	CEOJP	(out of 18.65lacs)				
					Gangai	Boundary Walls in PAV Schools	2.44	2.44	0.00	CEOJP					
					Gangai	Entrance gate of middle school Gangai	0.76	0.76	0.00	CEOJP					
					Ghat Pipariya	Toilet construction in high school	2.45	2.45	0.00	CEOJP					
					Kudari	Boundary wall at Ghat Pipariya	2.03	2.03	0.00	CEOJP					
					Umaria	Boundary Walls in PAV Schools(out of 18.65lacs)	8.09	8.09	0.00	CEOJP					
					Umaria	Boundary Walls in PAV Schools(out of 18.65lacs)	4.06	4.06	0.00	CEOJP					
					Umaria	Addl school Boundary wall (55m)	2.23	2.23	0.00	NTPC					
										Sub Total	26.12	26.12	0.00		
B.1	B.1.4	Education	Construction of Anganwadi, additional rooms in schools, kitchen sheds, study material, computers, books, sports item, etc	Sports kit	Chorbarheta	Sports kit(0.49815 lacs)	0.07	0.07	0.00	NTPC					
					Dongargaon	Sports kit(0.49815 lacs)	0.07	0.07	0.00	NTPC					
					Gangai	Sports kit(0.49815 lacs)	0.07	0.07	0.00	NTPC					
					Ghat pipariya	Sports kit(0.49815 lacs)	0.07	0.07	0.00	NTPC					
					Kudari	Sports kit(0.49815 lacs)	0.07	0.07	0.00	NTPC					
					Mehrakheda	Sports kit(0.49815 lacs)	0.07	0.07	0.00	NTPC					
					Umaria	Sports kit(0.49815 lacs)	0.07	0.07	0.00	NTPC					
										Sub Total	0.50	0.50	0.00		
					Stationery to students	Kudari	Stationery to students	0.14	0.14	0.00	NTPC	(0.99598 lacs)			
						Chorbarheta	Stationery to students	0.14	0.14	0.00	NTPC				
						Dongargaon	Stationery to students	0.14	0.14	0.00	NTPC				
						Gangai	Stationery to students	0.14	0.14	0.00	NTPC				
				Chorbarheta		Scholarship to Students in PAVs	0.27	0.27	0.00	NTPC	(out of 1.9 lacs)				
				Dongargaon		Scholarship to Students in PAVs	0.27	0.27	0.00	NTPC					
				Gangai		Scholarship to Students in PAVs	0.27	0.27	0.00	NTPC					
				Ghat pipariya		Scholarship to Students in PAVs	0.27	0.27	0.00	NTPC					
				Kudari		Scholarship to Students in PAVs	0.27	0.27	0.00	NTPC					
				Mehrakheda		Scholarship to Students in PAVs	0.27	0.27	0.00	NTPC					
				Umaria		Scholarship to Students in PAVs	0.27	0.27	0.00	NTPC					
										Sub Total	2.90	2.90	0.00		
				B.1	B.1.4	Education	Construction of Anganwadi, additional rooms in schools, kitchen sheds, study material, computers, books, sports item, etc	Merit scholarship to students	Chorbarheta	Merit scholarship to students	0.29	0.29	0.00	NTPC	(2.05lacs)
									Dongargaon	Merit scholarship to students	0.29	0.29	0.00	NTPC	
									Gangai	Merit scholarship to students	0.29	0.29	0.00	NTPC	
									Ghat pipariya	Merit scholarship to students	0.29	0.29	0.00	NTPC	
Kudari	Merit scholarship to students	0.29	0.29						0.00	NTPC					
Mehrakheda	Merit scholarship to students	0.29	0.29						0.00	NTPC					
Umaria	Merit scholarship to students	0.29	0.29						0.00	NTPC					
										Sub Total	2.05	2.05	0.00		
										LED bulbs	Mehrakheda	LED bulbs in Mehrakheda	0.52	0.52	0.00
					Sub Total	0.52	0.52	0.00							
					TOTAL B.1.4(Education)	32.08	32.08	0.00							

CUMULATIVE EXPENSES ON APPROVED CD WORK FOR GwSTPP											
B COMMUNITY											
B.1 CD works in PAVs											
Head	Su-Head	Area	Description	Activities	Name of village	Subject	Approved	Utilise (Amount in lacs)	Balance	Agency	REMARKS
B.1	B.1.5	Health	Providing Ambulance, medical camps, additional room in Govt dispensary	Family planning	Chorbarheta	Family planning incentive to PAPs	0.04	0.04	0.00	NTPC	(out of 0.2787 lacs)
					Dongargaon	Family planning incentive to PAPs	0.04	0.04	0.00	NTPC	
					Gangai	Family planning incentive to PAPs	0.04	0.04	0.00	NTPC	
					Ghat pipariya	Family planning incentive to PAPs	0.04	0.04	0.00	NTPC	
					Kudari	Family planning incentive to PAPs	0.04	0.04	0.00	NTPC	
					Mehrakheda	Family planning incentive to PAPs	0.04	0.04	0.00	NTPC	
					Umariya	Family planning incentive to PAPs	0.04	0.04	0.00	NTPC	
						Sub Total	0.28	0.28	0.00		
				Medical Camps	Chorbarheta	Medical Camps in Pav's	3.00	3.00	0.00	NTPC	(out of 3 lacs)
					Kudari	Medical clamp Kudari	0.63	0.63	0.00	NTPC	
					Chorbarheta	Medical clamp			0.00		
					Gangai	Medical clamp			0.00		
					All PAV's	Tricycle and hearing aid distribution	0.87	0.87	0.00	NTPC	
						Sub Total	4.50	4.50	0.00		
						TOTAL B.1.5(Health)	4.77	4.77	0.00		
B.1	B.1.6	Other Welfare measures	Providing water tanker, utensils, support to Indira Awaas Scheme of Govt for BPL's, Rural Sports, PAPs ID card, Cooperative societies formation, Empowerment, etc.	Legal awareness camp (Upliftment of weaker section)	Chorbarheta	(legal awareness camp.Chorbarhata	4.00	4.00	0.00	CEO JP	(out of 3.54817lacs)
					Chorbarheta	Legal awareness camp at Chichli	0.51	0.51	0.00	CEO JP	
					Dongargaon	Legal awareness camp at Chichli	0.51	0.51	0.00	CEO JP	
					Gangai	Legal awareness camp at Chichli	0.51	0.51	0.00	CEO JP	
					Ghat Pipariya	Legal awareness camp at Chichli	0.51	0.51	0.00	CEO JP	
					Kudari	Legal awareness camp at Chichli	0.51	0.51	0.00	CEO JP	
					Mehrakheda	Legal awareness camp at Chichli	0.51	0.51	0.00	CEO JP	
					Umariya	Legal awareness camp at Chichli	0.51	0.51	0.00	CEO JP	
						Sub Total	7.54	7.54	0.00		
B.1	B.1.6	Other Welfare measures	Providing water tanker, utensils, support to Indira Awaas Scheme of Govt for BPL's, Rural Sports, PAPs ID card, Cooperative societies formation, Empowerment, etc.	Panchayat Bhawan	Gangai	Panchayat Bhawan	15.00	15.00	0.00	CEO JP	
					Chorbarheta	Panchayat Bhawan	15.00	15.00	0.00	CEO JP	
					Kudari	Construction of ghat /steps	5.00	5.00	0.00	CEO JP	
						Sub Total	35.00	35.00	0.00		
				Medical screening Camp		Medical screening Camp screening Camp	0.23	0.03	0.20	NTPC	Dongargaon, Chorbarheta, Ganagai, Merakheda, Umariya, Ghatpipariya
						Sub Total	0.23	0.03	0.20		
				Cultural Program	Chorbarheta	Cultural Program Chorbarehta	0.51	0.51	0.00	NTPC	
					Mehrakheda	Contribution towards cultural program	0.25	0.25	0.00	NTPC	
						Sub Total	0.76	0.76	0.00		
				Water tanker	Dongargaon	Water tanker	0.78	0.78	0.00	NTPC	
					Mehrakheda	Water tanker	0.78	0.78	0.00	NTPC	
					Chorbarheta	Water tanker to PAVs	5.00	0.00	5.00	NTPC	
					Gangai	Water ATM shed and Elec.conection	1.41	1.41	0.00	CEOJP	
						Sub Total	7.97	2.97	5.00		
						TOTAL B.1.6 (Other Welfare)	51.49	46.30	5.20		
		SUM B.1					1190.34	1003.34	187.00		

CUMULATIVE EXPENSES ON APPROVED CD WORK FOR GwSTPP													
B	COMMUNITY												
B.1	CD works in PAVs		Description	Activities	Name of village	Subject	Approved	Utilise (Amount in lacs)	Balance	Agency	REMARKS		
Head	Su- Head	Area											
B.2	CD in vicinity		villages/Tehsil,town/District										
B.2	B.2.1	Infrastructure works*	Construction of CC roads & drainage, community halls, public orchard, facilities at railway station , solarlights, Indoor stadium with Auditorium^ & swimming pool at Narsinghpur, Outdoor stadium with Auditorium at Gadarwara, etc	CC roads Narsinghpur	Narsinghpur	Construction of C. C Road in front of Auditorium at PG College Narsinghpur	2.50	2.50	0.00	RES			
					Narsinghpur	Construction of Cement concrete road in PG College, Narsinghpur	0.62	0.62	0.62	0.62	RES		
					Narsinghpur	False ceiling in Govt Excellent School, Narsinghpur	1.18	3.81	2.63	2.63	RES		
					Narsinghpur	False ceiling in Govt PG College, Narsinghpur	3.81	3.81	0.00	0.00	RES		
					Narsinghpur	Fixing of Paver block in Govt Excellent School, Narsinghpur	7.98	7.78	0.20	0.20	RES		
					Narsinghpur	Renovation in Govt Hospital Narsinghpur	27.88	27.88	0.00	0.00	PWD		
					Narsinghpur	Construction of Community Mess in Govt. MLB School Narsinghpur	10.00	10.00	0.00	0.00	RES		
					Narsinghpur	Paver blocks in Collector Office	7.09	7.09	0.00	0.00	PWD		
					Narsinghpur	Petrol engine for fibre boat	3.75	3.75	0.00	0.00	Collector		
					Narsinghpur	Renovation works at Govt quarters at Narsinghpur-fencing	2.45	2.45	0.00	0.00	NTPC		
					Sub Total		67.26	67.06	0.20				
B.2	B.2.1	Infrastructure works*	Construction of CC roads & drainage, community halls, public orchard, facilities at railway station , solarlights, Indoor stadium with Auditorium^ & swimming pool at Narsinghpur, Outdoor stadium with Auditorium at Gadarwara, etc	Barman, Kathotiya, Bhatara, Khakariya, KodiaKa, kraghat	Barman	Fair at Barman Ghat	1.50	1.50	0.00	CEO JP			
					Kathotiya	Boundary wall in High school	18.83	9.42	9.42	9.42			
					Bhatara	Construction of Road from Bhatara to Narmada River	52.00	26.34	25.66	25.66	RES		
					Khakariya	Construction of Ghat at Kakraghat	70.00	35.00	35.00	35.00	RES		
					Kodia	Community Hall	25.00	12.50	12.50	12.50	RES		
					Kakraghat	Visarjan kund at Kakraghat	70.00	35.00	35.00	35.00	RES		
							Sub Total	237.33	119.76	117.57			
					Gadarwara	Gadarwara	Construction of Town Hall near Ambedkar Bhawan	25.00	25.00	0.00	0.00	RES	
						Gadarwara	CC road and Pavers fixing at BTI	15.91	15.91	0.00	0.00	RES	
						Gadarwara	Blanket distribution	0.50	15.91	15.41	15.41	NTPC	
						Gadarwara	Solar system in Badagaon tah	3.50	15.91	12.41	12.41	Dist REO	
						Gadarwara	Addl wards in Hospital at gadarwara	32.00	32.00	0.00	0.00	NTPC	
						Gadarwara	Construction of Community Hall, Dining Hall in BTI, Gadarwara	10.00	10.00	0.00	0.00	RES	
						Gadarwara	Construction of drain in Govt Hospital at Gadarwara	18.60	18.60	0.00	0.00	RES	
						Gadarwara	Construction of SDM Court Building at Gadarwara	26.05	26.05	0.00	0.00	RES	
			Gadarwara	Contribution to ODF in Villages(cooker)		2.00	2.00	0.00	0.00	CEO JP			
			Lolri	Lolri	Community Hall	25.00	12.50	12.50	12.50	RES			
				Lolri	CC lining and Road at Pond in Lolri	24.76	24.76	0.00	0.00	CEOJP			
					Sub Total	183.32	170.82	12.50	12.50	CEOJP			

CUMULATIVE EXPENSES ON APPROVED CD WORK FOR GwSTPP											
B COMMUNITY											
B.1	CD works in PAVs		Description	Activities	Name of village	Subject	Approved	Utilise (Amount in lacs)	Balance	Agency	REMARKS
Head	Su-Head	Area									
				Vicinity	Vicinity	list forwarded by Collector (Mangal bhavan)	33.00	33.00	0.00	CEOJP	
				Vicinity	Vicinity	list forwarded by Collector (Mangal bhavan)	25.00	25.00	0.00	CEOJP	
				Vicinity		MLA list forwarded by Collector (remaining)	0.00	0.00	0.00		
				Vicinity		list forwarded by Collector (Boundary wall in High schools)	31.00	31.00	0.00	Collector	
				Raipur		Gravel road	90.50	45.25	45.25	RES	
				Vicinity		MLAs Second list(Estimate and TC under preparation by RES)	0.00	0.00	0.00		
						Sub Total	179.50	134.25	45.25		
				Barman		Renovation Barman old age home	3.00	3.00	0.00	Collector	
						Sub Total	3.00	3.00	0.00		
B.2	B.2.1	Infrastructure works*	Amount can be utilized for Auditoriums/ activities to be taken up in future as per consensus in VDAC/ directed by GoI/ GoMP.	Auditorium	Gadarwara	Foundation stone laying ceremony, Auditorium	0.50	0.50	0.00	NTPC	
					Narsinghpur	Furnitures in Auditorium at PG college , Narsinghpur	20.00	20.00	0.00	RES	
					Gadarwara	Auditorium at Gadarwara	122.00		122.00	NTPC	
						Sub Total	142.50	20.50	122.00		
						TOTAL B.2.1 (Infrastructure)	812.91	515.39	297.52		
		Drinking Water	Hand pump	Hand-pumps	Raipur, Chandankheda, hrapur	Hand Pumps	3.90	3.90	0.00	RES	
						Sub Total	3.90	3.90	0.00		
						TOTAL B.2.1 (Drinking water)	3.90	3.90	0.00		
			Sanitation	Public toilets	Narsinghpur	Construction of Public toilets in various	115.25	115.25	0.00	CEO JP	
					Narsinghpur	Construction of Public toilets in various	144.75	144.75	0.00		
					Narsinghpur	Sulabh toilet in Court Narsinghpur	7.85	7.85	0.00	RES	
					Raipur	Construction of toilet in GHS RAIPUR	2.45	2.45	0.00	Collector	
						Sub Total	270.30	270.30	0.00		
						TOTAL B.2.1 (Sanitation)	274.20	274.20	0.00		
B.2	B.2.3	Education	Construction of aanganwadis, additional rooms in schools, sheds,	School ctiivites	Gadarwara	School Chalo Abhiyan	1.88	1.88	0.00	NTPC	
					Narsinghpur	Govt coaching centre UDAAN	20.67	16.54	4.13	RES	
						Sub Total	22.55	18.42	4.13		
						TOTAL B.2.1 (Education)	22.55	18.42	4.13		
B.2	B.2.4	Health	Ambulance, health centre upgradation, medical camps, awareness camps, etc.	Health Facilities	Narsinghpur	Financial assistance to Sh Vivek Kaurav for kidney transplant	1.50	1.50	0.00	Collector	
					Narsinghpur	Providing Health Facilities at Narsinghpur	14.90	14.90	0.00	Collector	
					Gadarwara	Providing Multi para monitor at Gadarwara Hosp	2.10	2.10	0.00	NTPC	
					Gadarwara	Medical clamp	0.50	0.50	0.00	NTPC	
						Sub Total	19.00	19.00	0.00		
						TOTAL B.2.1 (Health)	19.00	19.00	0.00		
		SUM B.2					1132.56	830.91	301.65		
						GRAND TOTAL	2322.90	1834.25	488.65		

Minutes of meeting 8th Meeting of the re-constituted EAC (Thermal Power) was held on 24th July, 2017

EC Amendment Compliance report of :-

(8.6) 2x800 MW (Stage-I) Gadawara Super Thermal Power Project near villages Gangai, Umaraiya, Mehrakheda, Chorbarheta, Dongergaon and Kudari, in Gadawara Tehsil, Narsinghpur Distt. in Madhya Pradesh by M/s NTPC Ltd.-reg. amendment in EC. (File No: J-13012/125/2009-IA.II(T)& Online no: IA/MP/THE/17134/2013).

(8.6.3) Committee after detailed deliberations, **recommended for change in coal source from Talaipalli block to Pakri Barwadih coal block and for transportation of 8 MTPA coal by road for a distance of 15 km till December, 2018** subject to following additional conditions:

S. No.	Compliance	Status
1	Road repair and maintenance is to be carried out by NTPC.	Shall be complied, whereas required
2	Trucks shall be covered with tarpaulin and properly stamped to ensure that tarpaulin is properly tied with the help of rope and truck shall be fully covered so that there is no spillage of coal and/or emission of dust during transportation.	Shall be complied. This condition has been incorporated in letter of award to the transporter / contract.
3	Continuous water sprinkling, sweeping and dust control measures shall be carried out through out the road for minimising the air pollution.	Shall be complied, during the transportation of Coal from coal siding to plant.
4	Plantation shall be carried out along side of the road for noise attenuation and control of air borne dust.	It is being complied and in progress.
5	Plantation shall also be carried out on the banks of Sangam confluence of Shakkar nadi and Narmada nadi.	Contract proposal for the same is being initiated and plantation shall be carried out .