



ENVIRONMENT DEPARTMENT

एसजेवीएन थर्मल (प्रा.) लिमिटेड

SJVN Thermal (P) Ltd.

(एसजेवीएन की पूर्ण स्वामित्व वाली अधीनस्थ कंपनी)

(A wholly owned subsidiary of SJVN)

1320 मेगावाट बक्सर ताप विद्युत परियोजना

1320 MW Buxar Thermal Power Project



No. STPL/BTPP/ENV/Half Yearly/2023- 1148

Dated: 25/05/2023

To,

Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, 2nd Floor,
Headquarter- Jharkhand State Housing Board,
Harmu Chowk, Ranchi, Jharkhand – 834002, Ranchi

Email: ro[dot]ranchi-mef[at]gov[dot]in

Subject: Environment Clearance for 2x660 MW Coal Based Super Critical Buxar Thermal Power Project (BTPP) at near village Chausa, District Buxar, Bihar by M/s SJVN Thermal Pvt. Ltd. - Six Monthly Compliance Report - Regarding .

Reference: Environment Clearance letter No. J-13012/69/2008/IA.I (T) dated 28.02.2017

Sir,

With reference to the above-mentioned Environment Clearance letter, SJVN Thermal (P) Limited is pleased to submit the Six-Monthly Compliance Report of the conditions stipulated in Environment Clearance for the period from 01.10.2022 to 31.03 2023 in respect of 2x660 MW Buxar Thermal Power Project. The Six-Monthly Compliance Report is enclosed as Annexure-I.

Thanking you

Yours faithfully,
For & on behalf of STPL/BTPP

U. K. Sinha
25.5.23

(Uday Kumar Sinha)

General Manager, Head (Environment)

SJVN Thermal Power (Pvt.) Limited/
1320 MW Buxar Thermal Power Project,
Chausa, Buxar-802114 (Bihar)

Encl: As above

Our shared Vision: 5000 MW by 2023, 25000 MW by 2030 & 50000 MW by 2040

पंजी. कार्यालय: 169, पाटलिपुत्र कॉलोनी, पटना-800013 (बिहार)
परियोजना कार्यालय: प्रथम तल, मुख्य कार्यालय भवन,
एसजेवीएन थर्मल (प्रा0) लिमिटेड, मोहनपुरवा, अखौरीपुर
गोला,, चौसा, बक्सर-802114 (बिहार)

दूरभाष: 06183-295168

ईमेल: stplbuxarenvir@gmail.com

www.sjvn.nic.in

Regd. Office: 169, Patliputra Colony, Patna-800013 (Bihar)
Project Office: 1st Floor, Main Office Building, SJVN
Thermal (P) Ltd., Mohanpurwa, Akhouripur Gola,
Chausa, Buxar-802114 (Bihar) Tel: 06183-295168
E-mail: stplbuxarenvir@gmail.com



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1320 मेगावाट बक्सर ताप विद्युत परियोजना

1320 MW Buxar Thermal Power Project



Copy for information to:

1. Regional Director, Central Pollution Control Board (CPCB), Regional Directorate – Kolkata, 'South end Conclave' Block-502, 5th & 6th Floor, 1582, Razidanga, Main Road, Kolkata-700107.

E-mail: mkbiswas.cpcb@nic.in

2. Bihar State Pollution Control Board (BSPCB), Parivesh Bhawan, Plot No. NS-B/2, Paliputra Industrial Area, Patliputra, Patna (Bihar) – 800010.

E-mail: msbspcb-bih@gov.in, bspcb@yahoo.com

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परियोजना कार्यालय: प्रथम तल, मुख्य कार्यालय भवन,
एसजेवीएन थर्मल (प्रा0) लिमिटेड, मोहनपुरवा, अखौरीपुर
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Annexure-I

Six Monthly Monitoring Report on Compliance to Environmental Aspects (For Period Ending March, 2023)

1) Description of the Project: -	
(i) Name of Project	M/s SJVN Thermal Pvt. Limited, 1320 MW Buxar Thermal Power Project (A wholly owned subsidiary of SJVN Ltd.- A Mini Ratna & Sheduled "A" PSU under Govt. of India)
(ii) Type of the Project	Thermal Power Project (1320 MW)
(iii) Location	New Office Building, Mohanpurwa, Akhoripur Gola, Chausa, Buxar, Bihar-802114
(iv) Contact Address:-	
(a) Concerned Project Head	Chief Executive Officer, New Office Building, Mohanpurwa, Akhoripur Gola, Chausa, Buxar, Bihar-802114 e-mail - ceo.stpl@sjvn.nic.in
(b) Concerned Environment Division (Project)	Head (Environment), New Office Building, Mohanpurwa, Akhoripur Gola, Chausa, Buxar, Bihar-802114 e-mail - stplbuxarenvir@gmail.co.in
(c) Concerned Environment Division (Corporate)	Head (Environment), SJVN Corporate Headquarters, Shanan, Shimla-171006 (Himachal Pradesh) e-mail - sjvnced@sjvn.nic.in
2) Environment Clearance	J-13012/69/2008/IA.I (T) dated 28.02.2017

3. Compliance Report:-

Sr. No.	Condition in Environment Clearance	Compliance/Status
A. Specific conditions		
i.	Land of 33% of the total project area would be earmarked for greenbelt development. 100 m wide greenbelt with 3 tiers around the plant boundary with plant density of 2,500 trees per hectare with local native species shall be developed.	Planation is being done on vacant land in synchronization with construction work.
ii.	Recommendations of Water Resource Department, Patna vide their letter dated 21.1.2017 shall be implemented for diverting the Buda nalla. Recommendations of IIT Roorkee shall also be implemented in this regard. Re-alignment has been proposed so as not to disturb the natural course of the drainage. Banks of the nalla to be strengthened near outfall locations. Solid waste disposal shall not be disposed in to nallah to maintain flow capacity of the nalla.	The work for diversion of Buddha Nallah is being implemented as per the approval of Flood Control Deptt., Government of Bihar and recommendation of water resource Dept, Patna and IIT, Roorkee. The work is in Progress. (Photographs are enclosed as Appendix-1). It shall be ensured that no Solid waste has to be disposed in to nallah.
iii.	Site Specific Seismicity Study recommendations by IIT Roorkee shall be implemented in design of all structures and equipment. The design of the structures shall also be in accordance with the	All structures and equipment shall be designed for seismic forces adopting the Site-Specific Seismic information recommendations by IIT Roorkee and



	provisions of IS.1893 (Part-I):2002 and IS'1893 (Part 4): 2005	using the other provisions in accordance with IS:1893(Part-1):2002 & IS:1893(Part-4):2005. The maximum horizontal Peak Ground Acceleration (PGA) value estimated from various Seismogenic sources for Buxar Thermal Power Project site, Bihar is 0.13g. However, the recommended horizontal PGA for the project site is 0.16g.
iv	Flue Gas Desulphurization (FGD) and Selective Catalytic Reduction (SCR) shall be installed in the proposed Thermal Power Plant.	Both systems have been envisaged. 37% and 14% progress achieved for FGD and SCR respectively of Unit #1 is completed till day.
v	Sulphur and ash content in the imported coal shall not exceed 0.8% and 12% respectively. The Sulphur and ash content of domestic coal shall not exceed 0.6%/ and 34% respectively. In case of variation of quality at any point of time, fresh reference shall be made to the Ministry for suitable amendments to the environmental clearance.	Agreed. Agreement for Long Terms Coal Linkage has been signed from Central Coal Field Limited 27.07.2021 for supply of coal (Appendix-2).
vi	The PP shall explore feasibility of Air-Cooled Condensers based on the guidelines of CEA. As proposed, Capital cost of Rs. 1,311.32 Crores shall be earmarked for implementation of Environment Management Plan. CSR budget of Rs.61 Crores has been allocated which shall be spent in 10 years. The CSR budget during operational phase shall be earmarked as per the CSR policy of Gol. Provision for water supply to be made for construction toilets under Swachh Bharat Abhiyan.	Water cooled condenser as per original scheme are being erected. As per Public Investment Board (PIB) approval of BTTP, an amount of Rs. 1858.39 Crore (At January 2018 Price Level) have been earmarked for Environmental Protection Measures, which is more than the approved cost kept in Environment Clearance i.e. Rs. 1,311.32 Crores. (Appendix-3) The CSR schemes are being implemented at project since 2014. As on date Rs. 23.32 Crore expenditure has been done under CSR for Skill Development programme, nomination of youth for ITIs course, Horticulture/Agriculture & Veterinary training etc.
vii	MoEF&CC Notification S.O. 3305(E) dated 07.12.2015 shall be implemented with respect to specific water consumption, zero liquid discharge and revised emission standards. The PM, SO ₂ , NO _x and Hg emissions shall not exceed 30 mg/Nm ³ , 100 mg/Nm ³ , 100 mg/Nm ³ and 0.03 mg/Nm ³ respectively. The specific water consumption shall not exceed 2.5 m ³ /MWh and zero wastewater discharge shall be achieved.	Agreed. The MoEF&CC Notification S.O. 3305(E) dated 7.12.2015 shall be implemented during operation of Buxar Thermal Power Project.
viii	MoEF&CC Notification G.S.R 02(E) dated 02.01.2014 regarding use of raw or blended or	Agreed.



	beneficiated or washed coal with ash content not exceeding 34% shall be complied with	MoEF&CC Notification G.S.R 02(E) dated 02.01.2014 regarding use of raw or blended or beneficiated or washed coal with ash content not exceeding 34% shall be complied during operation of Buxar Thermal Power Project.
ix	MoEF&CC Notifications on fly ash utilization S.O. 763(E) dated 14.09.1999, S.O. 979(E) dated 27.08.2003, S.O. 2804(E) dated 3.11.2009, S.O. 254(E) dated 25.01.2016 and subsequent amendments shall be complied with.	Agreed. MoEF&CC Notifications on fly ash utilization S.O. 763(E) dated 14.09.1999, S.O. 979(E) dated 27.08.2003, S.O. 2804(E) dated 3.11.2009, S.O. 254(E) dated 25.01.2016 and subsequent amendments shall be complied during operation phase of Buxar Thermal Power Project. EOI has been obtained from various users for utilization of fly ash viz., Rural Work Deptt., Govt. of Bihar – 0.48 MMTPA, Road Construction Deptt., Govt. Of Bihar – 0.24 MMTPA, M/s R.K. Mishra Enterprises, Bhagalpur Bihar- 0.5 MMTPA, Lafarge Cement Plant – 0.8 MMTPA, Dalmiya Cement – 0.7 MMTPA and Global Infra Ltd. – 0.5 MMTPA. (Appendix-4)
x	Separate Environmental Clearance may be obtained for the proposed Township in an area of 95 acres with total built-up area of 1,21,178 sq. m as applicable. under EIA Notification 2006. Sewage Treatment Plant (STP) shall be set up in the township for treating wastewater of 900 m3/ day.	Vide EC identification no:- EC22B038BR124616 approval has been accorded. (Appendix-5) The Project township is under construction and Sewage Treatment Plant (STP) has been included in the plan of township complex, which will be commissioned before commencement of accommodation in the Project township.
xi	An estimate of 5.9 million cubic meters (9 million tons) of Soil would be required for leveling the site. Earth material will be sourced from land/ borrow pits from the nearby areas within 15 km radius from the site. Necessary permits and approvals shall be obtained from the concerned authorities for excavation of earth material.	Sourcing of Earth material is carried out as per requirement after receipt of permission from State Mining Department.
xii	As proposed, separate Environmental Cell with Environmental Engineers, Environmental Scientists, Occupational Health Specialist, Horticulture Specialist, and Social Scientist headed by Environment Head shall function and	A separate Environmental Cell has been constituted. Environment Management System - ISO 14001.2015 certificate has been

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	<p>implement environmental management plan and monitoring activities.</p> <p>Company shall implement Environmental Management Systems, ISO 14001:2015 at the proposed project. Sustainability Reporting shall be done as per environment management plan.</p>	<p>obtained from Bureau of Indian Standard for all activities of Buxar Thermal Power Plant (Appendix-6).</p>
xiii	<p>The compliance of EC conditions shall be reviewed on quarterly basis. In this regard, a compliance mechanism shall be set up through Plant Head who is responsible for implementing the conditions stipulated in the Environmental Clearance, non-compliances and violations.</p> <p>Budget to implement various environmental pollution control measures as proposed in the EMF shall be kept in a separate account and shall not be diverted for any other purposes.</p>	<p>Is being complied.</p>
xiv	<p>Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within six months.</p>	<p>STPL vide letter dated 29 .04.2019 has submitted a project vision document to the Regional Office, MOEF&CC at Ranchi. (Appendix-7)</p>
xv	<p>Harnessing solar power within the premises of the plant particularly at available roof tops shall be carried out and status of implementation including actual generation of solar power shall be submitted along with half yearly monitoring report.</p>	<p>Shall be complied once the plant is commissioned and rooftops of various buildings is available for erection of Solar Panels.</p> <p>The project township is under construction.</p>
xvi	<p>A long-term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute and results thereof analyzed every two year and reported along with monitoring reports.</p> <p>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>Agreed.</p> <p>Shall be duly complied in synchronization of commissioning of Plant.</p>
xvii	<p>Online continuous monitoring system for stack emission, ambient air and effluent shall be installed.</p>	<p>Online continuous monitoring system for stack emission, ambient air and effluent shall be installed before commissioning of Project.</p>
xviii	<p>High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 30 mg/Nm³ or as would be notified by the Ministry, whichever is lesser. 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 along</p>	<p>Erection of high Efficiency Electrostatic Precipitators (ESP) for Unit #1 is in full swing; Approx. 77% progress achieved in Unit #1. 10% progress of Unit #2 ESP achieved till date. Moreover, bag filter and water spray system are also planned to be installed in high dusty areas like coal and ash handling points.</p>

	with an environment friendly sludge disposal system.	
xix	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.	Bag filter and water spray system is also planned to be installed in high dusty areas like coal and ash handling points.
xx	CoC of at least 5.0 shall be adopted	Shall be complied once the Unit #1 is under operation.
xxi	Monitoring of surface water quantity and quality 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 also be undertaken and results/findings submitted along with half yearly monitoring report .	All the water quality parameters including heavy metals in ground water will be monitored during operation of Project. The ground water quality monitoring results of labour colony, Staff colony are attached as Appendix-8 .
xxii	A well-designed rain water harvesting system shall be put in place within six months , which shall comprise of rain water collection from the built up and open area in the plant premises and detailed record kept of the quantity of water harvested every year and its use	The condition has been duly considered in Detailed Engineering of the Project Scheme. Same shall be implemented in due course of project construction. The rainfall runoff shall be collected through drains in a Rain water Harvesting Pond (RWHP) and water from the RWHP shall be 100% used in dry season.
xxiii	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 except Buda nalla as proposed for re-alignment without affecting natural drainage	Shall be ensured. The work for diversion of Buddha Nallah is being implemented as per the approval of Flood Control Deptt., Government of Bihar and recommendation of water resource Dept, Patna and IIT, Roorkee. The work is in Progress. (Photographs are enclosed as Appendix-1).
xxiv	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved	Is being ensured. Considering the balancing of excavation and filling requirement up to the extent possible.
xxv	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) shall be monitored in the bottom ash. No ash shall be disposed of in low lying area	Ash in the form of slurry shall be collected and stored in a specially designed, built ash lagoons. Monitoring of Heavy Metals in bottom ash shall be started once the is commissioned.

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		For dry fly ash 04 nos. silos with effective capacity of 7200 M ³ (4x1800 M ³) will be constructed for storage.
xxvi	No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.	Shall be duly complied if required in future.
xxvii	Fugitive emission of fly ash (dry or wet) shall be controlled such that no agricultural or non-agricultural land is affected. Damage to any land shall be mitigated and suitable compensation provided in consultation with the local Panchayat.	Agreed.
xxvii i	Green Belt consisting of three tiers of plantations of native species all around plant and at least 50 m width shall be raised. Wherever 50 m width is not feasible a 20 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 80%.	Planation is being done on vacant land in synchronization with construction work.
xxix	Green belt shall also be developed around the Ash Pond over and above the Green Belt around the plant boundary	Agreed. Planation is being done on vacant land in synchronization with construction work.
xxx	The project proponent shall formulate a well laid Corporate Environment Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations	Shall be duly complied SJVN has a well-established Corporate Environment Policy, which can be seen at https://sjvn.nic.in/environmentpolicy/49 (Appendix-9).
xxxi	CSR schemes identified based on need based assessment shall be implemented in consultation with the village panchayat and the District Administration starting from the development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Company shall provide separate budget for community development activities and income generating programmes.	CSR schemes are being implemented since 2014 at Buxar Thermal Power Plant as per CSR Policy on behalf of SJVN Foundation. Total 747 persons have been trained in various trades under the skill development initiative of SJVN Foundation. The CSR schemes are being implemented at project since 2014. As on date Rs. 23.32 Crore expenditure has been done under CSR for Skill Development programme, nomination of youth for ITIs course, Horticulture/Agriculture & Veterinary training etc.

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xxxii	For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final	The CSR works for STPL are being implemented through the SJVN-CSR foundation. All the CSR activities are being monitored by CSR Department, SJVN Corporate Head Quarter, Shimla. In this regard, a Screening Committee has been constituted at Buxar Thermal Power Plant; 1. Sh. Mahendra Singh Verma, Dy. Manager (HR) – CSR. 2. Sh. Abhinav Gajendra Dy. Manager (F&A) 3. Sh. Gautam Kumar, Dy. Manager (Civil)
Part 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.	Agreed. Shall be ensured once Project is to be commissioned.
ii.	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation	Agreed. A sewage treatment plant has to be installed in project and treated water will be reused as per stated condition.
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.	To ensure the Fire safety measures, fire safety plan shall be implemented in the project including coal yard, during operation of project.
iv	Storage facilities for auxiliary liquid fuel such as LDO/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil	Approval from Jt. Chief Controller of Explosive, Kolkata under Petroleum & Explosives Safety Organization (PESO) has been obtained vide reference no. A/P/EC/BI/15/1988 (P522050) dated 27.04.2022 (Appendix-10) . To deal with the disaster & emergency related matter an Emergency Preparedness Plan has been got prepared from National Safety Council, Mumbai.
v	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First Aid boxes have been kept at different locations at Buxar Thermal Power Project (Offices, Construction site, Guest House, substation, Bachelor accommodation, Security Main gate etc.). The sanitation arrangements are available for all persons including drivers and other contract workers.

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vi	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dB(A) from source. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs 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.	Shall be duly complied during commissioning and operation period of Buxar Thermal Power Project. Ear Muffs, Ear Plugs are provided to workers.
vii	Regular monitoring of ambient air ground level concentration of SO ₂ , NO _x , PM _{2.5} & PM ₁₀ and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company	Shall be duly complied. The monitoring result of ambient air quality at different locations of Buxar Thermal Power Plant are attached at Appendix-11 .
viii	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.	Necessary provision kept for compliance (during operations) to meet the stated conditions.
ix	Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The construction work of the project is being carried out through contractor (M/s L&T). The construction workers engaged in contraction work has facilitated with necessary amenities by the contractor like labour colony, toilets, electricity, transpiration, safe drinking water and sanitation, first aid & ambulance. However, workers from nearby villages are also employed in the construction activity, they reside in their own home.
x	The project proponent shall advertise in at least two local newspapers 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 the Website of MoEF&CC at http://envfor.nic.in .	Advertisement published in Dainik Jagran and Hindustan times on 05/03/2017 and 09/03/2017 respectively. (Appendix-12)
xi	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad /	Environment Clearance letter available on company website

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	Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	www.sjvn.nic.in and shared with concerned Panchayat offices. The event of grant of environment clearance was also publicized through advertisement in the newspapers Dainik Jagran and Hindustan on 05/03/2017 and 09/03/2017 respectively. The advertisements are placed at (Appendix-12) .
xii	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), SO2, NOx (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	Six-monthly compliance reports are being regularly submitted to MoEF&CC & MoEF&CC Regional Office, Ranchi and Bihar State Pollution Control Board, Patna and also uploaded on our website www.sjvn.nic.in . The last compliance report for the period ending September 2022 was submitted on 18.10.2022
xiii	The environment statement for each financial year ending 31st 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.	Shall be duly complied
xiv	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to MoEF&CC, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, MoEF&CC.	Six-monthly compliance reports are being regularly submitted to MoEF&CC & MoEF&CC Regional Office, Ranchi and Bihar State Pollution Control Board, Patna and also uploaded on our website www.sjvn.nic.in . The last compliance report for the period ending September 2022 was submitted on 18.10.2022
xv	The progress of the project shall be submitted to CEA on six monthly basis.	Shall be duly complied.
xvi	Regional Office of the MoEF&CC will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-	Complete set of requisite documents shared with MoEF&CC regional office on 20/04/2017 and project updates being shared regularly vide half yearly compliance reports (Appendix-13) .

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	load the compliance status in their website and update the same from time to time at least six-monthly basis. Criteria pollutants levels including NOx (from stack & ambient air) shall be displayed at the main gate of the power plant.	
xvii	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	As per Public Investment Board (PIB) approval of BTTP, an amount of Rs. 1858.39 Crore (At January 2018 Price Level) have been earmarked for Environmental Protection Measures, which is more than the approved cost kept in Environment Clearance i.e. Rs. 1,311.32 Crores. (Appendix-3)
xviii	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.	Agreed.
xix	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	Agreed.

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Appendix-1





5/4/23
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**M O D I F I E D - M O D E L
COAL SUPPLY AGREEMENT**

BETWEEN

CENTRAL COALFIELDS LIMITED

AND

SJVN THERMAL PRIVATE LIMITED
(A wholly owned subsidiary of SJVN Limited)

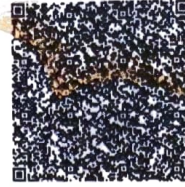
FOR

BUXAR THERMAL POWER PLANT
(UNIT 1&2, 2X660 MW)

[27/07/2021]



INDIA NON JUDICIAL
Government of Bihar
e-Stamp



Certificate No. : IN-BR20628404525475T
Certificate Issued Date : 17-Jun-2021 12:48 PM
Account Reference : SHCIL (FI)/ brshcil01/ BUXAR/ BR-BUX/ BXR
Unique Doc. Reference : SUBIN-BRBRSHCIL0126947013719278T
Purchased by : CEO STPL
Description of Document : Not Applicable
Property Description : Not Applicable
Consideration Price (Rs.) : 0 (Zero)
First Party : Not Applicable
Second Party : CEO STPL
Stamp Duty Paid By : CEO STPL
Stamp Duty Paid (Rs.) : 100(One Hundred only)
Reg. fee (Rs.) : 0 (Zero)
LLR & P Fee (Rs.) : 0 (Zero)
Miscellaneous Fee (Rs.) : 0 (Zero)
Discore SC (Rs.) : 0 (Zero)
Total Amount (Rs.) : 100 (One Hundred only)



This Agreement is made on this **27th day of July, 2021** between **Central Coalfields Limited**, a company registered under the Companies Act, 1956 and having its registered office at **Darbhanga House, Ranchi, 834001 Jharkhand** hereinafter called the "Seller" (which expression shall unless excluded by or repugnant to the subject or context, include its legal representatives, successors and permitted assigns) of the one part,

AND

M/s SJVN Thermal Private Limited (A wholly owned subsidiary of SJVN Ltd.), a company registered under the Companies Act, 1956 and having its registered office at **169, Patliputra Colony Patna - 800013 (Bihar)**, hereinafter called the "Purchaser" (which term shall unless excluded or repugnant to the subject or context include its legal representatives, successors and permitted assigns) of the other part

AND

Whereas the Purchaser or its predecessor-in-interest was issued a Letter of Assurance (LOA) dated **10.12.2018** from CCL vide reference no. CCL/HQ/C-4/LOA (Power)/Buxar TPP/2018-19/17053-58 against **2x660 MW plant capacity of the Purchaser's TPP (Buxar TPP Unit 1 & 2)** and the Purchaser has achieved the milestones as set out in the Annexure 1 of the LOA and fulfilled other conditions as stipulated under the LOA.

AND

Model FSA – Govt./State Power Utilities (New)

2

CCL & SJVN Buxar Unit 1 & 2 (2x660 MW)

Do not write or type below this line

ILB 0008074078

Statutory Alert.

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding Corporation of India Ltd. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

Whereas the Purchaser has been granted linkage of Coal by Standing Linkage Committee – Long Term (SLC- LT) vide its meeting held on 21.08.2017 circulated vide letter no. 23014/4/2017-CLD dated 19.09.2017 and recommended in the 31st CLOA held on 02.05.2018 at CIL, Kolkata for issuance of LOA to Buxar TPP.

AND

Whereas SLC (LT) vide its meeting held on 19.05.2021 recommended inter alia to condone the delay in achievement of LOA milestone of FC and extended the validity of LOA till 31st March 2021 and submission of the documents to CCL/ CIL till 30th June 2021, as well as waiver of the requirement of additional CG. Further, MOC, Govt. of India vide its letter dated 06.07.2021, while communicating the aforesaid minutes of SLC (LT) communicated that *'as 30.06.2021 is already over, the competent authority has extended the timeline for submission of the documents to CIL/CCL to one (1) month from the date of issuance of this letter'*.

AND

Whereas the Purchaser has requested the Seller vide e-mail dated 06-07-2021 for execution of FSA with **SJVN Thermal Private Limited** for **Buxar TPP Unit 1 & 2 (2x660 MW), Village Chausa, Buxar, 202103, Bihar** of the Purchaser (as per details contained in Schedule-I to this Agreement) and the Seller has agreed to execute instant FSA and make supplies on the terms and conditions set out hereafter,

AND

Whereas the Purchaser has entered into or is yet to enter into long term Power Purchase Agreements (PPA) either directly with Distribution Companies (DISCOMs) or through Power Trading Company (ies) (PTC) who has / have signed back to back PPA(s) (long-term) with DISCOMs and have commissioned or would get commissioned.

AND

Whereas, the Purchaser has not any direct / indirect interest in any manner as associate or group company with any entity who has been allotted coal block in India for end use as stipulated in clause 3.2 with further reinforcement by Schedule-I in accordance with guidelines/policies of the Government of India relating to Letter of Assurance/ Allocation of coal on tapering basis.

AND

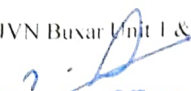
Whereas, the Purchaser gives a self-declaration that no coal block(s) has/have been allotted for the Power Plant(s) covered under this Agreement and even if coal block(s) has/have been allotted, such coal block(s) has/have not been allotted as source(s) of coal supplies for the power plant(s) covered under this Agreement. Whereas, the Purchaser further declares that there has been no change in the ownership pattern of the Purchaser since the time of issue of Letter of Assurance (LoA) till the time of signing of this Agreement.

3

Model FSA – Govt./State Power Utilities (New)



CCL & SJVN Buxar Unit 1 & 2 (2x660 MW)


Chief Executive Officer
SJVN Thermal Pvt. Limited
(A Subsidiary of SJVN Limited)

20.0 IMPLEMENTATION OF THE AGREEMENT

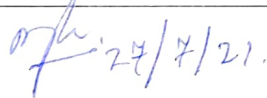
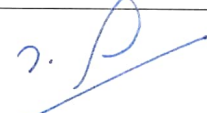

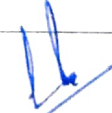
- 20.1 The respective **Head of Power Station** of the Power Station or his nominated representative shall be authorised to act for and on behalf of the Purchaser.
- 20.2 HOD (M&S) or any representative duly authorized by the Seller shall act for and on behalf of the Seller.
- 20.3 Any other nomination of authorised representative shall be informed in writing, by the Seller and the Purchaser, as the case be, within one month of signing of this Agreement or by giving 30 (thirty) days' notice.


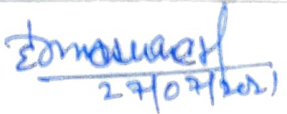
It shall be the responsibility of the Parties to ensure that any change in the address for service or in the particulars of the designated representative is notified to the other Party and all other concerned, before effecting a change and in any case within two (2) Business Days of such change.

21.0 Savings

Notwithstanding anything contained herein, this FSA shall not be applicable to purchaser(s) having/seeking tapering linkage(s) and/or Purchaser(s) having PPA(s) of whatever duration permitting sale/supply of electricity at non-regulated rate or market driven price.

Signed in presence of the witness /witnesses under mentioned on **27th day of July 2021.**

For Central Coalfields Limited		M/s SJVN Thermal Pvt. Ltd.	
Signature:		Signature:	
Name:	Ajit Singh	Name:	Sanjeev Sood
Designation:	GM (M&S)	Designation:	CEO, STPL
Address:	CCL, Darbhanga House Ranchi-834029	Address:	STPL, Nav Durga Complex, Ambedkar Chowk, Buxar, Bihar-802103
Telephone:	0651-2360369	Telephone:	06183-295105
Fax:	0651-2360369	Fax:	06183-295165
email	gmsnm.ccl@coalindia.in	email:	ceostpl@gmail.com
1. Witness:		1. Witness:	
Signature:		Signature:	
Name:	Nishant K. Vermani	Name:	एस.एल. शर्मा
Designation:	Mgr. (M&S)	Designation:	मुख्य वित्तीय अधिकारी एन.ए.डी.एस. प्रॉपर्टी प्रा. लिमिटेड दिलीप नगर, नवदुर्गा कॉम्प्लेक्स, अम्बेडकर चौक, बुखार-802103 (बिहार)
Address:	CCL, Ranchi	Address	

2. Witness:		2. Witness:	
Signature:		Signature:	 27/07/2018
Name:	Fazal Haque	Name:	Hemant Kumar Shukla
Designation:	Dy. Mgr. (F&M)	Designation:	Sr. Addl. General Manager
Address:	CCL, Ranchi	Address:	STPL, Buxar, Bihar





सत्यमेव जयते

No.FU-18/2017-IPC
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg
New Delhi dated 08.03.2019

To,
The Chairman & Managing Director
SJVN Limited, Corporate Office Complex,
Shanan, Shimla (HP)-171006

Sub: Investment Approval for 1320 MW Buxar TPP being executed through SJVN Thermal Pvt. Ltd. (a wholly owned Subsidiary of SJVN Limited), regarding.

In reference to communication received from Cabinet Secretariat vide D.O. No. CCEA/07/2019(vii) dated 07.03.2019, the undersigned is directed to inform that the Government has approved the following:

- (a) The implementation of 1320 MW Buxar Thermal Power Project with an investment of Rs. 10,439.09 Crore including Interest During Construction (IDC) of Rs. 1146.50 Crore and Financing Charges (FC) of Rs. 36.54 Crore at January 2018 Price Level since SJVNL has given commitment to complete and commission the project with no cost and time overrun subject to variation on account of taxes and duties, foreign currency exchange rates, force majeure and circumstances beyond the control of SJVNL.
 - (b) Supply of not less than 85% of generated power to power distribution company(ies) of Bihar Govt in accordance with the Memorandum of Understanding with the Govt of Bihar,
 - (c) Ex-post facto approval for the cumulative expenditure amounting to Rs. 533.50 Crore against investment approval for pre-construction activities amounting to Rs. 436.68 Crore.
 - (d) Ex-post facto approval for creation of SJVN Thermal Pvt. Ltd. - 100% (wholly) owned subsidiary of SJVN Ltd. and
 - (e) Approval for equity investment upto Rs. 3131.72 Crores at 30% of total project cost at January 2018 Price level by SJVN Ltd. in SJVN Thermal Pvt. Ltd. for implementation of 1320 MW Buxar Thermal Power Project.
2. Commercial Operation Date (COD) of the first unit (660 MW) is envisaged in 52 months from the date of investment approval and the second unit (660 MW) at an interval of six months thereafter.
 3. This issues with the concurrence of the Integrated Finance Wing of Ministry of Power vide their diary No. 56/Finance/2019 dated 08.03.2019.

Yours faithfully,

(S. Majumdar)

Under Secretary to the Govt. of India

Tel: 2335 6938

No.FU-18/2017-IPC
Government of India
Ministry of Power

Copy to:

1. Principal Pay & Accounts Officer, Ministry of Power, New Delhi.
2. Office of the Principal Director of Commercial Audit and Ex-officio Member Audit Board-III, CAG Building (Annexe), New Delhi-110124.
3. Principal Director of Audit, Economic & Service Ministries, AGCR Building, New Delhi
4. Chairperson, Central Electricity Authority, Sewa Bhawan, New Delhi.
5. Advisor (PAMD), NITI Aayog, Parliament Street, New Delhi.
6. Ministry of Finance (Deptt. of Expenditure) PF-II Division, North Block, New Delhi.
7. Secretary, Ministry of Statistics & Programme Implementation, Sardar Patel Bhawan, New Delhi.
8. Secretary, Ministry of Finance (Deptt. of Economic Affairs), North Block, New Delhi.

Copy also to:

1. PS to Minister of State for Power and New & Renewable Energy (I/C)
2. PPS to Secretary (Power)/ PPS to AS(SNS)/ PPS to JS&FA/ PS to JS(Thermal), Ministry of Power, New Delhi.
3. Finance Section/ Budget Section, Ministry of Power, New Delhi.

**ABSTRACT COST ESTIMATE
(COST PROVISION FOR ENVIRONMENTAL MEASURES)**

				Price Level (Jan, 2018)
PROJECT : Buxar TPP (2x 660MW)				Rs. In Crore
Sl. No.	Item Description	FC	IC	Sub - Total
1	Electrostatic Precipitator	0.00	206.37	206.37
2	Chimney	0.00	65.49	65.49
3	Cooling Towers incl. Civil Works	0.00	125.91	125.91
4	Ash Handling	0.00	255.27	255.27
5	Ash Dyke - First 9 years	0.00	90.49	90.49
6	Dust Extraction & Suppression System	0.00	5.09	5.09
7	DM plant waste treatment systems	0.00	5.09	5.09
8	Sewerage collection, treatment & disposal	0.00	4.07	4.07
9	Environmental lab. Equipment	0.00	5.59	5.59
10	Green Belt, Afforestation & Landscaping	0.00	20.85	20.85
11	SCR	0.00	501.48	501.48
12	FGD	0.00	572.68	572.68
	Total	0.00	1858.39	1858.39

Govt of Bihar
Rural Works Department

Letter No. - BRRDA (HQ) PMGSY-583/2015 65 /Patna, dated- 07/01/16

From,

Kamlesh Choudhary
Engineer in Chief

To,

Shri Praveen Gupta
GM/HoP, BTPP
SJVN Thermal Pvt. Ltd.

Sub: Long term requirement of Fly Ash from Thermal Power Plant for its utilization in construction of Rural Roads in the State of Bihar

Sir,

As you may be aware, Rural Works Department is focusing on construction and maintenance of the rural roads falling mainly in the category of others District Roads (ODR) and Village Roads in Bihar state. In our initiative, towards adoption of environment friendly technology for construction of the rural roads, we intend to utilize fly ash from thermal power plant in construction of rural roads in the state of Bihar.

We understand that SJVN Thermal Pvt. Ltd. is looking to supply fly ash from their coal based Buxar Thermal Power Project, District Buxar.

Though our Fly Ash requirement varies from time to time depending upon quantum of works and at present we are utilising Fly Ash as new Technology. We may require up to 0.48 MMT per annum of Fly Ash for its utilization in construction activity of rural roads as stated above.

It is for your kindly information
Thanking You.

Yours faithfully


06/01/16
(Kamlesh Choudhary)
Engineer in Chief

**Office of The Engineer in Chief cum Additional Commissioner cum
Special Secretary, Road Construction Department, Bihar, Patna.**

Letter no- Sec.-11/Vividh-03-41/2015 - 192(E)

Patna, Date- 2/11/16

From,

Lakshmi Narayan Das,
Engineer in Chief-cum-
Additional Commissioner-cum-
Special Secretary.

To,

Sri Parveen Gupta,
GM/Hop, BTPP,
SJVN Thermal Pvt. Ltd.,
Talpatra Lane, Budh Marg, Patna-800001

Sub:- **Long term supply of Fly Ash from Coal Based Supercritical Buxar Thermal Power Project for its utilisation in construction of Road and other related works.**

Ref:- Your letter no.-392 dated-06.11.2015

Sir,

As directed it is stated that Road Construction Department is focusing on construction and maintenance of roads in Bihar. In our initiative towards adopting of environment friendly technology for construction of road, we intend to utilize Fly Ash from Thermal Power Plant in construction of roads in the state of Bihar.

We understand that SJVN Thermal Power Pvt. Ltd. is looking to supply Fly Ash from their coal based Buxar Thermal Power Project, District Buxar.

Though our Fly Ash requirement varies from time to time depending upon quantum of work, we may require 0.24 MMTPA out of 0.48 MMTPA free of cost as stated in your letter under reference from Buxar Thermal Power Plant.

Hence it is requested to kindly allocate 0.24 MMTPA of Fly Ash from your coal based Buxar Thermal Power Project, District Buxar.

Yours Faithfully,


(Lakshmi Narayan Das)
C. S. D.
2/11/16



M/s R.K. MISHRA ENTERPRISES

Annexure - I

Expression of interest (EOI) for Uplifting of Fly Ash from 2x660 MW Buxar, TPP

1. Name of Interested Party	:	M/S R.K.Mishra Enterprises
2. Address	:	Patel Nagar, Ward No-17, Purabtoia, Kahaigaon, Bhagalpur (Bihar).
3. Nature Of Business	:	<ul style="list-style-type: none">• Trader• Transporter• Bricks, Block, Tiles or other ash based product (to be specified) Manufacturer.
4. Type of products being dealt	:	Cements, Asbestors, Bricks, Block, Tiles
5. Classification of the Company	:	Others (if others, please specify) Proprietorship Firm.
6. Contact details	:	Name - Ravi Kant Mishra Designation- Proprietor Mob.No- 09934702851 Email ID: ravikant_mishra14@yahoo.com
7. Proposed end use of fly ash	:	<ul style="list-style-type: none">• Bricks• Exports• Trading Others (If others, please specify) Trading
8. Years of experience in the business	:	8 (Eight) years
9. Annual Turn over of the business	:	01 (One Crore)
10. Location & Agency's other details	:	a) Distance of Ash utilization unit from Buxar TPP - 200 K.M. b) Address: Patel Nagar, Ward No-17, Purabtoia, Kahaigaon, Bhagalpur (Bihar). c) Details of license/registration (if available) CST/VAT CST No- 10523309132 VAT No- 10523309035
11. Total Requirement of Fly ash	:	5,00,000/-MT/Annum

5/2/14
Nandini
Joshi
10/2/14
28/1/14

Regd. Office : Ogn, P.O.-Maheshamunda, P.S.-Kahaigaon, Dist.-Bhagalpur, Pin-813203 (Bihar),
Branch Office : Patel Nagar, Ward No.-17, Purab Tola, Kahaigaon, Mob.: 9934702851, 9931859452
E-mail : ravikant_mishra14@yahoo.com



M/s R.K. MISHRA ENTERPRISES

12. Quoted Price and Quantity of Fly Ash

Sl.No.	Quantity required (MT/Annum)		Price Offered by party (Rs/MT) at the Fly Ash Silo*		Period of requirement (in no. of years)
	In Figures	In Words	In Figures	In Words	
	5,00,000 MT Per Annum	Five Lacs MT/ Annum	10 Rs/MT	Ten Rupees Only/ MT	20 Years

* Excluding taxes, Duties & Freight.

- Note :-
1. Those Agencies interested in uplifting of fly ash free of cost, may specify NIL in the column for price offered.
 2. This announcement is not an offer for commitment for fly ash tie-up.

13. Whether willing to enter in to MOU : Yes.

We understand that fly ash quantity to be supplied would be as available basis from the designated delivery point (on ex. works basis) and we have to arrange transportation at own cost in bulkers / closed trucks. We are liable and responsible for payment towards any taxes, levies, octroi etc. applicable / enforced by state / Central Government from time to time during the tenure of the contract.

Date : 15th October 2015

Place : Kahalgaon


Signature

or, M/s R. K. Mishra Enterprises

Proprietor

Name of person - Ravi Kant Mishra
Designation - Proprietor
Name Of Company - M/S R.K. Mishra
Enterprises
Address :- Patel Nagar, Ward No-17
Purabtola, Kahalgaon, Bhagalpur
(Bihar), Pin- 813203

Regd. Office : Ogn, P.O.-Maheshamunda, P.S.-Kahalgaon, Dist.-Bhagalpur, Pin-813203 (Bihar)
Branch Office : Patel Nagar, Ward No.-17, Purab Tola, Kahalgaon, Mob.: 9934702851, 9631860452
E-mail : ravikant_mishra14@yahoo.com



3/4

CP-31

Sr. Manager (Contract - BD & MS)
SJVN Limited,
707-709, 7th Floor, DLF South Court,
District Centre, Saket,
New Delhi - 110017

Date 24th August 2015

Ref: Invitation for Expression of Interest (EOI) SJVN/BD&MS/BTTP/EOI-Fly Ash dated 11th July 2015

Dear Sir,

We are pleased to submit the EOI for lifting Fly Ash from the proposed Thermal Power Station at Buxar.

Please find attached the Annexure I with the relevant details.

Thank you.

Yours faithfully,

Rakesh Rana

Asst. Vice President - Business Development & Strategy



5-2

Handwritten notes in blue ink: "Rakesh Rana" and "28/8/15"

Handwritten signature in blue ink: "Mangal"



ANNEXURE I

(On the Company's Letterhead duly signed by Authorized with Company's Stamp)

CP-30

Expression of Interest (EOI) for uplifting of Fly Ash from 2 x660 MW Buxar TPP

1. Name of interested party	: LAFARGE INDIA PVT LTD
2. Address	: EQUINOX BUSINESS PARK, TOWER-3, EAST WING, UDF FLOOR, OFF BANDRA KURLA COMPLEX LBS MARG, KURLA WEST MUN-400070
3. Nature of business	: <input checked="" type="checkbox"/> Cement Manufacturer <input checked="" type="checkbox"/> Ready Mix Concrete (RMC) Manufacturer <input type="checkbox"/> Trader <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> Bricks, Block, Tiles or other ash based product Manufacturer <input type="checkbox"/> Others (if others, please specify)
4. Type of products being dealt	: CEMENT, RMX, AAC, BLOCKS, HCB
5. Classification of the Company	: <input type="checkbox"/> Public Limited <input checked="" type="checkbox"/> Private Limited <input type="checkbox"/> Partnership Limited Others (if others, Please specify)
6. Contact details	: Name: RAKESH RAM Designation: ASST. VICE PRESIDENT Tel No. (With STD code): (022) 66306570 Fax No.: (022) 66306570 Mobile No.: 9920040736 Email ID: rakesh.ram@lafarge.com
7. Proposed end use of fly ash	: Cement <input checked="" type="checkbox"/> RMC Asbestos Bricks / AAC BLOCKS <input checked="" type="checkbox"/> Exports Others (if others, please specify)
8. Years of experience in the business	: 15 years
9. Annual Turn Over of the business	: Approx Rs 5200 Crores
10. Location & agency's other details	: a) Distance of Ash utilization unit from Buxar TPP Km To BE DELIBERED b) Address..... c) Details of license/registration (if available):
11. Total Requirement of fly ash	: 0.80 MT / Annum

12. Quoted Price and Quantity of Fly Ash

Sl. No.	Quantity required (MT / Annum)		Price Offered by party (Rs/MT) at the Fly Ash Silo*		Period of requirement (In no. of years)
	In Figures	In Words	In Figures(₹)	In Words(₹)	
1.	0.70	Eight Lac	NIL		30 years +
2.	0.10	Tone			

*Excluding taxes, Duties & Freight.

Note:- Those Agencies interested in uplifting of fly ash free of cost, may specify NIL in the column for Price offered.

* 1. Cement - 0.70 MT
2. AAC BLOCK - 0.10 MT
TOTAL 0.80 MT.

Y=1/10/10

Manoj

52



13. Whether willing to enter into MOU: Yes.....^{Yes} NO.....

We understand that fly ash quantity to be supplied would be as available basis from the designated delivery point and we have to arrange transportation at own cost in bulkers/closed trucks. We are liable and responsible for payment towards any taxes, levies, octroi etc. applicable/ enforced by state/ Central Government from time to time during the tenure of the contract.

Date: 20th AUG. 2015
Place: MUMBAI

Company seal



Signature: 
Name of the person: RAKESH RAM
Designation: ASST. VICE PRESIDENT
Name of company: LAFARGE INDIA PVT. LTD.
Address: ERVINE BUSINESS PARK,
EAST WING, TORNA - 3
4th FLOOR, OFF. BANARA
KURLA COMPLEX, LBS
MARG, KURLA - WEST,
MUMBAI - 400070

Handwritten signature

Handwritten signature

Handwritten mark

23rd September 2015

EXPRESSION OF INTEREST

To,

Sr. Manager (Contract)
SJVN Limited
Business Development & Management Services
707-709, DLF South Court
District Centre, Saket
New Delhi - 110017

Dear Sir,

Kindly find below our expression of interest for sourcing Fly Ash from SJVN Thermal Pvt Ltd.

1. Name of Party	Dalmia Cement (Bharat) Ltd
2. Address	Hansalaya, 11 & 12 th Floor 15, Barakhamba Road, New Delhi 110001
3. Nature of Business	Cement Manufacturer
4. Type of products being dealt	Cement
5. Classification of the Company	Public Limited
6. Contact Details	Vijay Patil Executive Director- Strategy & Business Excellence Phone : 011-23465200 Fax : 011-23313303 Mobile : 9818866184 Email : patil.vijay@dalmiacement.com
7. Proposed end use of fly ash	Cement Manufacture Fly ash based products (bricks, blocks)
8. Years of experience in the business	More than 20 years
9. Annual Turnover of the business	Rs 4000 Crore
10. Location & agency's other details	Distance of ash utilisation unit from Bukar TPP : Approx 25 km
11. Total requirement of fly ash	7 Lakh metric ton per annum

V. S.

Handwritten signature

Manoj

Handwritten signature

12. Quoted Price and Quantity of Fly Ash :

Sl No	Quantity required (MT/Annum)		Price Offered by Party (Rs/MT) at the Fly Ash Silo.		Period of requirement (years)
	In Figures	In Words	In Figures	In Words	
1	700,000	Seven Lakhs	NIL	NIL	25

13. Whether willing to enter into MOU : YES

We understand that fly ash quantity to be supplied would be as available basis from the designated delivery point (on ex-works basis) and we have to arrange transportation at own cost in bulkers / closed trucks. We are liable and responsible for payment towards any taxes, levies, octroi etc. applicable / enforced by state/Central Government from time to time during the tenure of the contract.

Signature :



Name :

VIJAY PATIL

Designation :

Executive Director - Strategy & Business Excellence

Name of Company :

Dalmia Cement (Bharat) Ltd

Address :

Hansalaya, 11 & 12th Floor
15, Barakhamba Road, New Delhi - 110001

Date :

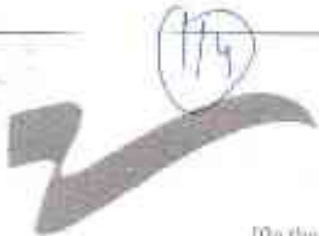
23rd September, 2015

Place :

New Delhi





Global Infra Export

ANNEXURE I

[On the Company's Letterhead duly signed by Authorized with Company's Stamp]

Ref No:

Expression of Interest (Eoi) for upfitting of Fly Ash from 2 x660 MW Binar TPP ^{Plant}

1. Name of interested party	Global Infra Export
2. Address	Plot Nagas, Ward No. 17, Pasabola, Sahalgau, Bhagalpur, Bihar
3. Nature of business	<ul style="list-style-type: none"> <input type="checkbox"/> Cement Manufacturer <input type="checkbox"/> Ready Mix Concrete (RMC) Manufacturer <input checked="" type="checkbox"/> Trader <input checked="" type="checkbox"/> Transporter <input checked="" type="checkbox"/> Bricks, Block, Tiles or other ash based product (to be specified) Manufacturer <input type="checkbox"/> Others (if others, please specify)
4. Type of products being dealt	Cement, Asbestos, Block, Block Tiles
5. Classification of the Company	Public Limited Private Limited Partnership Limited Others (if others, please specify) <u>Partnership firm</u>
6. Contact details	Name: <u>SHASHI KANT MISHRA</u> Designation: <u>Partner ship</u> Tel No. (With STD code) Fax No. Mobile No. <u>9831653458, 983470281</u> Email ID: <u>Shashi.kant.807@gmail.com</u>
7. Proposed end use of fly ash	Cement RMC Asbestos Bricks <input checked="" type="checkbox"/> Exports <input checked="" type="checkbox"/> Others (if others, please specify) <u>Trading</u>
8. Years of experience in the business	<u>03 (Three) years</u>
9. Annual Turn Over of the business	<u>Fifty (50) Lakh</u>
10. Location & agency's other details	a) Distance of Ash utilization site from Binar TPP <u>200 km</u> b) Address <u>DO</u> c) Details of license/registration (if available) <u>N/A</u>
11. Total Requirement of fly ash	<u>Five (05) Lakh</u> MT / Annum

12. Quoted Price and Quantity of Fly Ash

Sl No.	Quantity required (MT / Annum)		Price Offered by party (Rs/MT) at the Fly Ash Silo*		Period of requirement (in no. of years)
	In Figures	In Words	In Figures(₹)	In Words(₹)	
	500000 MT/Annum	Five Lakh	05RS/MT Five Rupees per MT	Five Rupees per MT	20 years

*Including taxes, Duties & Freight.

- Note: 1. These Agencies interested in upfitting of fly ash free of cost, may specify NIL in the column for Price offered.
2. This announcement is not an offer for commitment for fly ash tie-up

Handwritten signature

Handwritten signature: Nabin Mishra

M/S GLOBAL INFRA EXPORT

Handwritten signature: Nagesh
PARTNER



Global Infra Export

11. Whether willing to enter into MCO: Yes X NO

Ref No:

We understand that fly ash quantity to be supplied would be as available from the designated delivery point (on ex works basis) and we have to arrange transportation at our cost in bulkers/covered trucks. We are liable and responsible for payment towards any taxes, tollies, octroi etc. applicable/enforced by state/ Central Government from time to time during the tenure of the contract.

Date: 20.10.15
Place: KATIHGAON

Company seal

M/S GLOBAL INFRA EXPORT

Sheel
PARTNER

Signature

Sheel

Name of the person Sheel Kant Mishra

Designation Partner Ship

Name of company GLOBAL INFRA

Address: EXPORT

patel nagar, ward no. 17, Katihaon, Bhagalpur, Bihar, 813203

Sheel

Yashraj
20/10/15

Manshu

ENVIRONMENTAL
CLEARANCE

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Bihar)

To,

The HEAD INFRASTRUCTURE WORK AND TOWNSHIP DEPARTMENT
 MINI SMART TOWNSHIP OF BTPP BUXAR
 2ND FLOOR NAV DURGA COMPLEX, COLLECTRIATE ROAD,
 AMBEDKAR CHOWK, BUXAR -802103

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/BR/MIS/251608/2022 dated 14 Jan 2022. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC22B038BR124616
2. File No.	SIA/8(a)/1854/2022
3. Project Type	New
4. Category	B2
5. Project/Activity including Schedule No.	8(a) Building and Construction projects
6. Name of Project	Mini smart Township of BTPP Buxar
7. Name of Company/Organization	MINI SMART TOWNSHIP OF BTPP BUXAR
8. Location of Project	Bihar
9. TOR Date	N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 06/05/2022

(e-signed)
 Mr. Sudhir Kumar
 Member Secretary
 SEIAA - (Bihar)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

This is a computer generated cover page.

PARIVESH

*(Pro-Active and Responsive Facilitation by Interactive,
 and Virtuous Environmental Single-Window Hub)*



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, BIHAR

F. No.:- SIA/8(a)/1854/2022

Sub: Proposed Building Project at Mauza:- Khormpur, Tehsil:- Chausa, District:- Buxar, State:- Bihar; by M/s Mini Smart Township of BTPP Buxar [Total Plot Area:- 2,00,400 m², Total Built-up Area:- 69,895.90 m²] - Environmental Clearance regarding.

- Reference:-**
1. MoEF&CC Proposal No. - SIA/BR/MIS/251608/2022 & SEIAA File No.:- SIA/8(a)/1854/2022.
 2. Your application dated 17-01-2022 (hard copy submission).
 3. Minutes of the SEAC meeting held on 29-01-2022 and 11-04-2022.
 4. Minutes of the SEIAA meeting held on 02-05-2022.

Sir,

This has reference to your online application for the above proposal of M/s Mini Smart Township of BTPP Buxar for Building and Construction Project at Mauza:- Khormpur, Tehsil:-Chausa, District:-Buxar, State:- Bihar. The details of the projects are as follows:-

Sl. No.	Item	Details
1.	Name of the project	Proposed Building Project at Mauza:- Khormpur, Tehsil:- Chausa, District:- Buxar, State:- Bihar; by M/s Mini Smart Township of BTPP Buxar
2.	S. No. in the Schedule	8(a)
3.	Type of Project	8(a) {Building & Construction Project}
4.	Total Plot Area	2,00,400 m ²
5.	Total Built-up Area	69,895.90 m ²
6.	Total Green Belt Area	47,618.48 m ² (24% of the total plant area)
7.	Proposed Parking Area of the project	18,327.76 m ²
8.	Location of the Project	Thana No.- 42, Khata No.- 40, 61, 87, 68, 75, 41, 88, 75, 87, 1, 25, 86, 9, 52, 19, 70, 47, 4, 53, 33, 36, 46, 5, 10, 11, 65, 71, 74, 27, 37, 18, 63, 84, 67, 56, 43 Plot No. 160-207, 209-222, 224-257, 283-287, 294, 296-306, 310, 313, 314, 335, 336, 337, 346, 352, 353, 354,

		355 169/803, 171/796, 171/804 Mauza:- Khormpur, Tehsil:- Chausa, District:- Buxar, State:- Bihar.				
9.	Geo-Coordinates of the project	25° 27' 53.41" N 85° 52' 12.36" E 25° 27' 49.93" N 85° 52' 12.68" E				
10.	Maximum height of the building	25.45 meters				
11.	Stories	Sl. No.	Residential	Building Code	Floor	
		1.	HOP Residence	RES - HOP	G + 01	
		2.	Type - D Accommodation	RES - D	G + 02	
		3.	Type - D Accommodation	RES - D	G + 01	
		4.	Type - C Accommodation	RES - C	S + 07	
		5.	Type - B Accommodation	RES - B	S + 07	
		6.	Field Hostel - Family Complex	RES - FHF	G + 02	
		7.	Field Hostel - Bachelor Complex	RES - FHB	S + 06	
		Non Residential				
		1.	Field Hostel cum Training Center	NRES - TCW	G + 03	
		2.	Primary School and Kindergarten	NRES - TCW	G + 01	
		3.	Hospital	NRES - H	G + 02	
		4.	Shopping complex	NRES - SHOP	G + 01	
		5.	Executive club cum Ladies club	NRES - EC	G + 02	
		6.	Sub-Ordinate Club	NRES - SC	G + 01	
		7.	Guest House	RES - GH	G + 03	
		8.	Auditorium	NRES - AUDIT	G + 01	
9.	Sports Complex	NRES - SC	G			
10.	CISF Office	RES - CISF	G + 01			
11.	CISF Armory	NRES - CISF	G			
12.	CISF Complex	NRES - CISF	G + 07			
13.	CISF Barracks	NRES - AU	G + 01			
12.	Total Water Requirement	360 KLD				
13.	Waste Water Generated	230 KLD				
14.	Solid Waste Generated	912 Kg/day				
15.	Biodegradable Waste	547 Kg/day				
16.	Non-Biodegradable Waste	365 Kg/day				
17.	Bio- Medical waste	20 Kg/day				
18.	STP Capacity	270 KLD				
19.	Source of Water	Groundwater through own Borewells				
20.	Power Requirement	1,872 KVA				
21.	Source of Power	Bihar Electricity Board.				
22.	Power Backup	2 DG set of 500 KVA of DG set will be installed.				
23.	Total Cost of Expansion Project site	Total Project Cost - ₹ 1,65,93,00,000/- Environment Management Plan Cost During Construction Phase Capital Cost - - ₹ 40,00,000/-				

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		Recurring Cost - ₹ 15,00,000/- During Operation Phase Capital Cost - ₹ 1,44,00,000/- Recurring Cost - ₹ 26,00,000/-
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PREMISES OF THE ENVIRONMENTAL CLEARANCE

This Environmental Clearance is being issued on the premises which have been substantiated / described in detail in the format of application along with enclosed affidavits / certificates / undertakings etc. furnished therewith by the project proponent:-

- (i) Information provided, descriptions mentioned are complete, true and actual and no relevant fact has been concealed to obtain Environmental Clearance deceitfully by the project proponent.
- (ii) Environmental Clearance shall be liable to be revoked if furnished information, provided description / Certificates / Affidavits / Undertaking etc. are found false/ concocted at any stage of its validity.
- (iii) Project Proponent shall intimate SEIAA immediately if there is any change in their official address / E-mail / Ph. No / Cell. no etc failing which communication sent to them on old address shall be considered as delivered.
- (iv) This Environmental Clearance is issued without affecting any court order / statutory other institutions as well as relevant other laws enactment by Ministry of Environment, Forest & Climate Change, Government of India, New Delhi.

I. Statutory compliance:

1. The Project Proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The Project Proponent will obtain CTE from the BSPCB before preparing site for construction; if applicable and CTO before giving occupancy.
3. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire fighting equipment, etc. as per National Building Code including protection measures from lightning, etc.

4. All directions of the Airport Authority, Director of Explosives and Fire Department, etc. shall be complied with.
5. The Project Proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Bihar State Pollution Control Board.
6. The Project Proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by Project Proponents from the respective competent authorities.
9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The Project Proponent shall follow the ECBC / ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power, GoI. strictly.
11. The facilities provided for collection, segregation, handling, on site storage & processing of solid waste such as chute system for multi-storey buildings, wet & dry bins, collection centre & mechanical composter, etc. shall be properly maintained. The collected solid waste shall be segregated at site. The recyclable solid waste shall be sold out to the authorized vendors / recyclers for which a written tie-up must be done with the authorized vendors / recyclers.
12. Hazardous waste / E-waste should be disposed off as per Rules applicable and with the necessary approval of the Bihar State Pollution Control Board.
13. Solar power plant or other solar energy related equipment's shall be operated and maintained properly.
14. Provisions shall be made for the integration of solar water heating system.

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15. Environmental Clearance conditions applicable for construction and operation phase which are in the interest of public at large must be displayed at prominent place which can be easily accessible to public along with address and contact number of authorities to whom violation of EC conditions can be reported.
16. Project site shall be adequately barricaded before the start of construction activity by erecting suitable windscreen upto. $1/3^{\text{rd}}$ of the building height or 10 meters height whichever is more to prevent dispersion of dust particulate (fugitive emission) matter from the construction site.
17. Construction of appropriate civil structure and creation of other facilities shall be undertaken to provide benefit of the person suffering from disability in accordance with Hon'ble Supreme Court of India order dated 15th December 2017 in Writ Petition (Civil) 292 of 2006 with WP (Civil) 997 of 2013 (Disabled Rights Grout &Anr. Vs Union of India &Ors).

II. Air quality monitoring and preservation

1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2. Project site shall be adequately barricaded before the start of construction activity by erecting suitable windscreen upto $1/3^{\text{rd}}$ of the building height or upto 10 meters height whichever is more to prevent dispersion of particulate matter (fugitive emission) from the construction site. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. Plastic / tarpaulin sheet covers shall be provided for vehicles bringing all loose construction material e.g sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
3. A Management Plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
4. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height

of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets.

5. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site.
6. All loose construction material e.g sand, soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
7. Wet jet shall be provided for grinding and stone cutting.
8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
9. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
10. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection), Act 1986 prescribed for air and noise emission standards.
11. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
12. For indoor air quality the ventilation provisions as per National Building Code of India shall be implemented.

III. Water quality monitoring and preservation:

1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wet land and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.

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2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the Project Proponent. The record shall be submitted to the, SEIAA/ Regional Office, MoEF&CC along with six monthly Monitoring reports.
5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape, etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators, etc.) for water conservation shall be incorporated in the building plan.
9. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater

harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.

12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharge should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed into municipal drain.
17. No sewage or untreated effluent water would be discharged through storm water drains.
18. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
19. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
20. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health

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and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

21. Separate drainage system shall be developed for storm water so that end point discharge to nearest nallah / river is ensured to avoid water logging without any increase in the pollution load in receiving system.
22. Possibilities need to be explored to use STP waste water during construction phase. Fresh water shall be used only after exhausting the possibility of obtaining STP waste water located in municipal jurisdiction.

IV. Noise monitoring and prevention:

1. Ambient noise levels shall conform to residential area silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures:

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per Energy Conservation Building Code (ECBC) specifications.

4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-law's requirement, whichever is higher.
6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management:

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the Municipal Solid Waste (M.S.W.) generated from project shall be obtained.
2. Proper composting / vermi-composting of municipal and biodegradable solid wastes shall be carried out. All municipal solid wastes shall be segregated, collected, transported, treated and disposed as per provisions of the Solid Wastes Management, 2016 (As amended).
3. All the top soil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site.
4. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
5. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.

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6. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
7. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
8. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the Bihar State Pollution Control Board.
9. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, compressed earth blocks, and other environment friendly materials.
10. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016, Ready mixed concrete must be used in building construction.
11. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
12. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover:

1. No tree should be felled unless exigencies demand. Wherever absolutely necessary, tree translocation shall be done with prior permission from the concerned regulatory authority. Old trees should be retained/translocated based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured in the ratio of species cut to species planted.
2. 4,7618.48 sqm. (24%) of the total plot area shall be kept under green belt cover within the project site.

3. All the efforts shall be made not to fell any tree however if any tree need to be removed necessarily, it may be translocated with prior permission from concerned local Authority. In case of felling, plantations to be ensured in the ratio of species cut / removed to species planted. Area for green belt development shall be provided as per the details provided in the Project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and re-applied during plantation of the proposed vegetation on site.

VIII. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b) Traffic calming measures.
 - c) Proper design of entry and exit points.
 - d) Parking norms as per local regulation.
 - e) Proper signages.
2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the

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implementation of components of the plan which involve the participation of these departments.

IX. Human health issues:

1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure 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 structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis.
6. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporate Environment Responsibility:

1. The Project Proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements/deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

3. A separate Environmental cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the SEIAA/ Ministry, Regional Office along with the Six-Monthly Compliance Report.

XI. Additional Conditions:-

1. Provide Waste water drain, rainwater drain and water supply pipe separately. Nothing should be drained outside the campus through underground pipes and nothing should be pumped to groundwater. All the sewage drains shall be covered.
2. Provide Safety measures (Fire, disaster, flood, etc.), /medical facilities and arrangement for physically challenged persons.
3. All the building apartment block, green area and green building of the Campus must be as per RERA and Govt. of Indian Guidelines for residential apartments having high population load (more than 2000 people).

XII. Special Conditions:-

1. Provide solar panels in 30% of total rooftop area (open terrace).
2. Plantation along the road as suggested in the meeting by increasing green belt and foot path.
3. Corporate Environmental responsibility (CER) proposal, in consultation with the concerned authority of the Local Body (Municipal Corporation/Municipality/Nagar Panchayat/Gram Panchayat) by clearly outlining the type of activities, which shall predominantly include Municipal Solid Waste Management activities like-
 - a) Material Recovery Facilities.
 - b) Waste processing Facilities.

- c) Waste collection vehicles, etc.
4. Make provisions for electric vehicle charging point at each parking area, for both four wheelers and two wheelers.

XIII. Miscellaneous:

1. The Project Proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded Environmental Clearance and the details of MoEF&CC/SEIAA, Bihar website where it is displayed.
2. The copies of the Environmental Clearance shall be submitted by the Project Proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. All utility lines (electricity, telephone, cable, water supply, sewage, drainage, etc. shall be laid below ground level. Ducts shall be provided along and across the roads to lay the utility lines. Major trunk (water/sewerage) lines are to be laid along the utility corridor.
4. Rest room facilities shall be provided for service population.
5. The Project Proponent shall upload the status of compliance of the stipulated Environmental Clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
6. The Project Proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during their presentation to the State Expert Appraisal Committee.
7. The Project Proponent shall submit six-monthly reports on the status of the compliance of the stipulated Environmental Conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
8. The Project Proponent shall submit the environmental statement for each financial year in Form-V to the Bihar State Pollution Control Board as prescribed under the Environment

(Protection) Rules, 1986, as amended subsequently and put on the website of the company.

9. The Project Proponent shall inform the SEIAA, Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
10. The project authorities must strictly adhere to the stipulations made by the Bihar State Pollution Control Board and the State Government.
11. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Bihar.
12. Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
13. The Environmental Clearance granted on the basis of submitted layout plan of the proposed construction of buildings/establishments of industries shall be provisional for a period of one year or till its approved by the competent authority whichever is earlier. Should there be any deviation / change in the layout plan (as contained in the project proposal on which Environmental Clearance is granted), the Project Proponent shall furnish a copy along with a request to SEIAA, Bihar to make necessary correction/revision in the Environmental Clearance accordingly. Any failure on part of the Project Proponent in doing so will be treated as a violation of Environmental Clearance condition.
14. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15. The SEIAA reserves the right to stipulate additional conditions if found necessary which shall be implemented in a time bound manner.
16. The Regional Office of the MoEF&CC, GoI / SEIAA shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

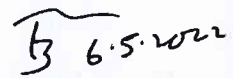
17. Project Proponent shall erect a signboard on his project site and display information regarding name of the project, Environmental Clearance letter No., date and validity period of Environmental Clearance, and Environmental Clearance conditions which affect general public at large along with name of authority to which violation of Environmental Clearance conditions can be reported.
18. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
19. Environmental Clearance shall remain valid for a maximum period of 7 years or completion of project whichever is earlier.
20. Any appeal against this Environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Sd/-

(Sudhir Kumar)
Member-Secretary
SEIAA, Bihar

Copy, through email, for information and necessary action to :-

1. Hon'ble Minister, Environment, Forest and Climate Change Deptt., Govt. of Bihar, Patna.
2. The Additional Chief Secretary, Environment, Forest and Climate Change Deptt., Govt. of Bihar, Sinchai Bhawan, Patna - 15.
3. The Chairman, RERA, Patna.
4. The Chairman, SEAC, Bihar.
5. The Member Secretary, B.S.P.C.B.-cum- Member Secretary SEAC, Bihar.
6. RO, Regional office, MoEF&CC, Bungalow No. A - 2, Shyamali Colony, Doranda, Ranchi - 834002.
7. Guard file.


(Sudhir Kumar)
Member Secretary,
SEIAA, Bihar



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
पर्यावरण प्रबंध पद्धति प्रमाणन लाइसेंस

LICENCE FOR THE ENVIRONMENTAL MANAGEMENT SYSTEMS CERTIFICATION

लाइसेंस सं.- ईएम/एल-5000639

Licence NO. EM/L-5000639

भारतीय मानक ब्यूरो अधिनियम, 2016(2016 का 11) द्वारा प्रदत्त शक्तियों के नाते, बक्सर थर्मल पावर प्रोजेक्ट, (एसजेवीएन थर्मल पीवीटी लिमिटेड का यूनिट), मोहनपुरवा, अखाऊरीपुर गोला, चौसा, जिला - बक्सर, बिहार - 802114 को मंजूरी देता हूँ (जिसे इसमें इसके पश्चात इसे अनुज्ञप्तिधारी कहा गया है) इस अनुसूची में वर्णित विशेष तौर पर उत्पाद एवं/या सेवाओं या प्रक्रियाओं के संबंध में पर्यावरण प्रबंध पद्धति प्रमाणन के अनुज्ञप्तिधारकों की ब्यूरो की सूची में अनुज्ञप्ति के अनुसार इसी संख्या धारक को अधिकार एवं अनुज्ञप्ति सूचीबद्ध किया जाए। IS/ISO 14001:2015 के अनुसार पर्यावरण प्रबंध पद्धति के अधीन उक्त किए गये पते पर केवल अनुज्ञप्तिधारक धारक द्वारा ऐसे उत्पाद एवं/या सेवाओं या प्रक्रियाओं को निर्मित किया/उपलब्ध कराया/चलाया जायेगा।

By virtue of the power conferred on it by, the Bureau of Indian Standards Act, 2016 (11 of 2016), the Bureau hereby grants to Buxar Thermal Power Project, (Unit of SJVN Thermal Pvt. Limited), Mohanpurwa, Akhaouripur Gola, Chausa, Dist - Buxar, Bihar - 802114 (hereinafter called the Licensee) the right and licence to be listed in the Bureau's list(s) of Licensee of Environmental Management Systems Certification in respect of the products and/or services or processes particularly described in the schedule hereto, bearing the same number as this licence. Such products and/or services or processes shall be manufactured/provided/carried out by the Licensee at only the address(es) given above, and under the Environmental Management Systems in accordance with IS/ISO 14001:2015

अनुज्ञप्ति उक्त अधिनियम और उनके अधीन नियमों तथा विनियमों के संबंधित उपबंधों की शर्त पर मंजूर किया गया है तथा उक्त संदर्भित अनुज्ञप्तियों को इसके तहत शासित किया जाता है, तथा अनुज्ञप्तिधारक उक्त नियमों एवं विनियमों का पालन किए जाने के लिए प्रतिज्ञाबद्ध है।

The licence is granted subject to the relevant provisions of the above Act and the rules and regulations made thereunder governing the licences referred to above, and the Licensee hereby covenants with the Bureau duly to observe with the said Rules and Regulations

यह अनुज्ञप्ति तारीख 31 जनवरी 2023 से 30 जनवरी 2026 तक विधिमान्य रहेगा और विनियमों में यथाविहित पुनः प्रमाणन किया जा सकेगा।

This licence shall be valid from 31 January 2023 to 30 January 2026 and may be recertified as prescribed in the Regulations.

2023 के माह के
Signed, Sealed and Dated this 20th February

दिन हस्ताक्षरित एवं मुहरांकित
Two Thousand and Twenty Three.

D.Chakrabarti

उप सहायनिदेशक

Deputy Director General

भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

भारतीय मानक ब्यूरो / BUREAU OF INDIAN STANDARDS

एन एम आई सी भवन (आठवीं मंजिल), प्लॉट नंबर 7/7, 7/8,
ब्लॉक - सीपी, सेक्टर - V, साल्ट लेक, कोलकाता - 700091
NSIC Building (8th Floor) at Plot No. 7/7, 7/8,
Block - CP, Sector - V, Salt Lake, Kolkata - 700091





BUREAU OF INDIAN STANDARDS

लाइसेंस सं. ईएम/एल -5000639 की अनुसूची
Schedule to licence No. EM/L-5000639

जारी : बक्सर थर्मल पावर प्रोजेक्ट, (एसजेवीएन थर्मल पीवीटी लिमिटेड का यूनिट),
मोहनपुरवा, अखाऊरीपुर गोला, चौसा, जिला - बक्सर, बिहार - 802114
Issued to: Buxar Thermal Power Project, (Unit of SJVN Thermal Pvt. Limited),
Mohanpurwa, Akhaouripur Gola, Chausa,
Dist - Buxar, Bihar - 802114

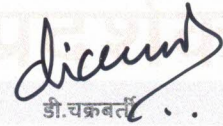
अनुसूची SCHEDULE

उत्पाद/सेवा/प्रक्रिया हेतु फ़र्म को अनुज्ञप्ति मंजूर की गई है:
पर्यावरण प्रबंध पद्धति प्रमाणन

Products/services/processes with respect to which the firm has been
granted the licence for
Environmental Management Systems Certification:

"All activities in respect of Construction, Erection and Commissioning of
1320 MW Buxar Thermal Power Project".

At: Buxar Thermal Power Project, (Unit of SJVN Thermal Pvt. Limited),
Mohanpurwa, Akhaouripur Gola, Chausa, Distt. - Buxar, Bihar - 802114


डी. चक्रवर्ती

D. Chakrabarti
उप महानिदेशक

Deputy Director General
भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

भारतीय मानक ब्यूरो / BUREAU OF INDIAN STANDARDS

एन एस आई सी भवन (आठवीं मंजिल), प्लॉट नंबर 717, 718,
ब्लॉक - सीपी, सेक्टर - V, साल्ट लेक, कोलकाता - 700091
NSIC Building (8th Floor) at Plot No. 717, 718,
Block - CP, Sector - V, Salt Lake, Kolkata - 700091



VISION DOCUMENT OF 1320 MW, BUXAR THERMAL POWER PROJECT (BTPP)

1.0 Introduction:-

The installed power generation capacity of India as on is 4,16,591.38 MW and out of this the installed generation capacity in Bihar is 7,323 MW including the allocated shares from central generating stations. As per the 18th EPS published by Central Electricity Authority (CEA), the estimated peak load demand in Bihar at the end of 13th 5-year plan (FY 2021-22) is 9,306 MW. The actual peak demand for the financial year 2018-19 in Bihar was 5115 MW and the peak demand met was 5084MW leaving a peak deficit of 0.6%. It may be noted that the actual power scenarios is less than the projections as per the 18th EPS and also the per capita power consumption in Bihar is lowest at 265 units per annum, against the national average of 1,060 units per annum. The Bihar state government is taking steps to provide access to electricity all households and also agriculture needs in rural areas. To meet up with overall national objective and to enable Bihar access to additional power required to sustain the high growth rate being witnessed, Govt. of Bihar had taken the initiative for developing Thermal Power Projects in the state through Bihar Power Infrastructure Company (BPIC), a joint venture between Bihar State Power Holding Company Limited (BSPHCL) with IL&FS Energy Development Company Limited (IEDCL). BPIC and BSEB had identified a site near village Chausa in District Buxar for the development of 2x660 MW Coal based Thermal Power Project. SJVN, a schedule 'A' PSU and a joint venture of the Govt. of India and the State Govt. of HP, acquired the project through its subsidiary SJVN Thermal Pvt. Ltd. in 2013.

The proposed 1320 Buxar Thermal Power Project (2x660MW) power project was conceived to meet the energy deficit of Bihar state. As per the power purchase agreement 85% of the power generated at the proposed project will be made available to Bihar state for various uses. Due to the location advantage of the Project in terms of availability of water, power evacuation facilities and coal, the cost of power is expected to be competitive.

The proposed project would cater to the ever-increasing demand of electricity in the state of Bihar. It will also increase the availability of electricity in rural areas for agricultural purposes, small scale industries and subsequently helps in improving overall development in agricultural, industrial and infrastructural facilities.

2.0 Long Term Vision for the Project:-

The long-term vision of the proposed power project is sustainable power generation maintaining high standards of efficiency and financial strength, over the design life (25

years) and extended life of the project through suitable Renovation and Modernization Programmes from Time to Time and stated hereunder;

2.1 Vision for Project Site:-

- To provide uninterrupted and quality power to the Bihar state grid to bridge the demand and supply gap
- Optimal utilization of land by maximizing electrical generation per unit area of the plant. Optimizing specific water consumption requirement for the plant processes to meet the norms for the thermal power projects prescribed by Ministry of Environment Forest and Climate Change (MoEF&CC). Continual improvement in efficiency and PLF through efficient operation and maintenance and Renovation and Modernization Programmes from Time to Time gaining extended life of the project
- Certification of Project with ISO: 9001, ISO 14001, OSHAS-18001, SA-8000 to implement best practices in operation of the plant.

2.2.1 Vision towards Technology Selection:-

The proposed 1320 MW Buxar Thermal Power Project (2x660 MW) power plant based on super critical technology which is the best available technology for the operation of the proposed project. The main advantages of the technology are:

- High Thermal Efficiency, PLF;
- Lower fuel consumption;
- Reduced ash generation;
- Faster load-changes;
- Faster start up time;
- High part load efficiency and higher adaptability for sliding pressure operation

2.2.2 Vision Towards the Environmental Protection & Pollution Control:-

To achieve better performance of the-1320 MW BTTP, the following pollution control and abatement measures are envisaged, in line with the environment clearance granted to the project by MoEF&CC:

- Recycle and Reuse of wastewater
- Adopting the good environmental management practices as per the applicable guidelines and achieving 100% compliance with regulations,

- 275 m multi-flue stack with ESP of more than 99.99 % efficiency which will be provided to control suspended particulate matter to less than 30 mg/Nm³, Providing quality fly ash (low carbon content and desired grain size). To enhance the fly ash utilization opportunities in the region, 20% of the fly ash will be provided to local brick manufacturers with no cost to encourage alternative brick manufacturing practices to conserve the natural clay soil that is being widely used by the local brick manufacturers.
- Utilization of technologies such as Flue Gas Desulphurization (FGD) and SCR to minimize ambient air pollution owing to the operation of the plant.
- Dry fly ash handling system and achieving 100% fly ash utilization as per the MOEF&CC fly ash utilization notification.
- Greenbelt will be developed in and around the plant site. Plantation of trees will also be encouraged in the nearby villages. Greenbelt will be developed with locally available plant species.
- Surveillance of all-important environmental parameters on a continuous basis and application of corrective measures Monitoring of all-important environmental parameters on a continuous basis and application of corrective measures in consultation with central and state government authorities.
- Implementation of rooftop solar power plant and rain water harvesting system at site to optimize the judicious use of resources.

2.3 Vision towards CSR:-

- To become an integral part of the local communities and encouraging social, economic and cultural aspects in the region through a sustained and need based Corporate Social Responsibility programs
- CSR activities will be taken up to fulfill the basic requirements of the people in the area. The basic requirements of the community needs will be strengthened by extending health care; educational facilities will be improved.
- To participate in various CSR activities like infrastructure development, education, medical facilities, self-employment, community development and awareness programmes, vocational training in and around the project site.
- The proposed power plant will provide direct and indirect employment to many people based on their qualification, skill sets and experience



TEST REPORT

TEST REPORT NO.	WI22025025	PAGE NO.	1 of 2
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660MW) Bihar India-802114		Description : One Ground Water(Labour Colony) sample Collected by us on 24.09.2022 Sampling Method : IS:3025 P.1 Type of sampling : Grab Sample packing & marking : Plastic Bottle/ L&T Quantity : 5.0 L+500ml Date of testing : 25.09.2022 to 29.09.2022	

RESULTS

WATER QUALITY ANALYSIS

S. No.	Parameters	Unit	Max Requirement as per (IS-10500-2012).Ammd.3		Results	Test method
			Desirable Limit	Permissible Limit		
1.	pH	-	6.5-8.5	No Relaxation	7.54	IS : 3025(Pt-11)
2.	Total Hardness (as CaCO ₃)	mg/l	200	600	192.6	IS : 3025(Pt-21)
3.	Iron (as Fe)	mg/l	1.0	No Relaxation	0.042	IS : 3025(Pt-53)
4.	Chlorides (as Cl)	mg/l	250	1000	26.8	IS : 3025(Pt-32)
5.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-47)
6.	TDS	mg/l	500	2000	476	IS : 3025(Pt-16)
7.	Calcium(as Ca ²⁺)	mg/l	75	200	58.2	IS : 3025(Pt-40)
8.	Magnesium (as Mg ²⁺)	mg/l	30	100	11.4	IS : 3025(Pt-46)
9.	Conductivity	µmho/cm	-	-	760	IS : 3025(Pt-14)
10.	Manganese(as Mn)	mg/l	0.1	0.3	<0.01	IS : 3025(Pt-59)
11.	Arsenic (as As)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-37)
12.	Fecal Coliform	MPN/100 ml	Shall not be detectable		Absent	IS : 15185

Prepared By.

Approved By.

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
 2. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied.
 3. Total liability of our works is limited to invoiced amount.
 4. This report can not used as evidence in a court of law without the written approval of the lab.
 5. Certificate shall not be reproduced expect in full, without the written approval of the laboratory.
 6. Any sort of play by the customer with the data of this certificate shall be illegal.





TEST REPORT

TEST REPORT NO.	WI22025026	PAGE NO.	1 of 2
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660MW) Bihar India-802114		Description : One Ground Water(Labour Colony No.2) sample Collected by us on 24.09.2022 Sampling Method : IS:3025 P.1 Type of sampling : Grab Sample packing & marking : Plastic Bottle/ L&T Quantity : 5.0 L+500ml Date of testing : 25.09.2022 to 29.09.2022	

RESULTS

WATER QUALITY ANALYSIS

S. No.	Parameters	Unit	Max Requirement as per (IS-10500-2012).Ammd.3		Results	Test method
			Desirable Limit	Permissible Limit		
1.	pH	-	6.5-8.5	No Relaxation	7.31	IS : 3025(Pt-11)
2.	Total Hardness (as CaCO ₃)	mg/l	200	600	192.6	IS : 3025(Pt-21)
3.	Iron (as Fe)	mg/l	1.0	No Relaxation	0.044	IS : 3025(Pt-53)
4.	Chlorides (as Cl)	mg/l	250	1000	24.7	IS : 3025(Pt-32)
5.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-47)
6.	TDS	mg/l	500	2000	450	IS : 3025(Pt-16)
7.	Calcium(as Ca ²⁺)	mg/l	75	200	56.5	IS : 3025(Pt-40)
8.	Magnesium (as Mg ²⁺)	mg/l	30	100	12.5	IS : 3025(Pt-46)
9.	Conductivity	μ/mho /cm	-	-	730	IS : 3025(Pt-14)
10.	Manganese(as Mn)	mg/l	0.1	0.3	<0.01	IS : 3025(Pt-59)
11.	Arsenic (as As)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-37)
12.	Fecal Coliform	MPN/100MI	Shall not be detectable		Absent	IS:15185

Prepared By. *lps*

Approved By. *skdb*

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
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TEST REPORT

TEST REPORT NO.	WI22025028	PAGE NO.	1 of 2
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660MW) Bihar India-802114		Description : One Ground Water(Main Office) sample Collected by us on 24.09.2022 Sampling Method : IS:3025 P.1 Type of sampling : Grab Sample packing & marking : Plastic Bottle/ L&T Quantity : 5.0 L+500ml Date of testing : 25.09.2022 to 29.09.2022	

RESULTS

WATER QUALITY ANALYSIS

S. No.	Parameters	Unit	Max Requirement as per (IS-10500-2012).Ammd.3		Results	Test method
			Desirable Limit	Permissible Limit		
1.	pH	-	6.5-8.5	No Relaxation	7.62	IS : 3025(Pt-11)
2.	Total Hardness (as CaCO ₃)	mg/l	200	600	128.4	IS : 3025(Pt-21)
3.	Iron (as Fe)	mg/l	1.0	No Relaxation	0.036	IS : 3025(Pt-53)
4.	Chlorides (as Cl)	mg/l	250	1000	18.5	IS : 3025(Pt-32)
5.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-47)
6.	TDS	mg/l	500	2000	356	IS : 3025(Pt-16)
7.	Calcium(as Ca ²⁺)	mg/l	75	200	36	IS : 3025(Pt-40)
8.	Magnesium (as Mg ²⁺)	mg/l	30	100	9.6	IS : 3025(Pt-46)
9.	Conductivity	µmho/cm	-	-	588	IS : 3025(Pt-14)
10.	Manganese(as Mn)	mg/l	0.1	0.3	<0.01	IS : 3025(Pt-59)
11.	Arsenic (as As)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-37)
12.	Fecal Coliform	MPN/100MI	Shall not be detectable		Absent	IS:15185

Prepared By. 

Approved By. 

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
 2. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied.
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TEST REPORT

TEST REPORT NO.	WI22025027	PAGE NO.	1 of 2
SERVICE REQUEST NO.	122032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660MW) Bihar India-802114		Description : One Ground Water(Batching Plant) sample Collected by us on 24.09.2022 Sampling Method : IS:3025 P.1 Type of sampling : Grab Sample packing & marking : Plastic Bottle/ L&T Quantity : 5.0 L+500ml Date of testing : 25.09.2022 to 29.09.2022	

RESULTS

WATER QUALITY ANALYSIS

S. No.	Parameters	Unit	Max Requirement as per (IS-10500-2012).Ammd.3		Results	Test method
			Desirable Limit	Permissible Limit		
1.	pH	-	6.5-8.5	No Relaxation	7.49	IS : 3025(Pt-11)
2.	Total Hardness (as CaCO ₃)	mg/l	200	600	218.3	IS : 3025(Pt-21)
3.	Iron (as Fe)	mg/l	1.0	No Relaxation	0.057	IS : 3025(Pt-53)
4.	Chlorides (as Cl)	mg/l	250	1000	18.5	IS : 3025(Pt-32)
5.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-47)
6.	TDS	mg/l	500	2000	456	IS : 3025(Pt-16)
7.	Calcium(as Ca ²⁺)	mg/l	75	200	53.1	IS : 3025(Pt-40)
8.	Magnesium (as Mg ²⁺)	mg/l	30	100	20.8	IS : 3025(Pt-46)
9.	Conductivity	µmho/cm	-	-	753	IS : 3025(Pt-42)
10.	Manganese(as Mn)	mg/l	0.1	0.3	<0.01	IS : 3025(Pt-59)
11.	Arsenic (as As)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-37)
12.	Fecal Coliform	MPN/100 MI	Shall not be detectable		Absent	IS:15185

LPS
Prepared By.

SKdb
Approved By.

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
 2. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied.
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TEST REPORT

TEST REPORT NO.	WI22025023	PAGE NO.	1 of 2
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660MW) Bihar India-802114		Description : One RO Water(Staff Colony) sample Collected by us on 24.09.2022 Sampling Method : IS:3025 P.1 Type of sampling : Grab Sample packing & marking : Plastic Bottle/ L&T Quantity : 5.0 L+500ml Date of testing : 25.09.2022 to 29.09.2022	

RESULTS WATER QUALITY ANALYSIS

S. No.	Parameters	Unit	Max Requirement as per (IS-10500-2012).Ammd.3		Results	Test method
			Desirable Limit	Permissible Limit		
1.	Color	Hazen	5	15	<5	IS : 3025(Pt-4)
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS : 3025(Pt-5)
3.	Turbidity	NTU	1	5	<1	IS: 3025(Pt-10)
4.	pH	-	6.5-8.5	No Relaxation	6.70	IS : 3025(Pt-11)
5.	Total Hardness (as CaCO ₃)	mg/l	200	600	25.7	IS : 3025(Pt-21)
6.	Iron (as Fe)	mg/l	1.0	No Relaxation	<0.01	IS : 3025(Pt-53)
7.	Chlorides (as Cl)	mg/l	250	1000	16.5	IS : 3025(Pt-32)
8.	Fluoride (as F)	mg/l	1	1.5	<0.1	APHA 22nd Ed., 4500F(D)
9.	TDS	mg/l	500	2000	64	IS : 3025(Pt-16)
10.	Calcium(as Ca ²⁺)	mg/l	75	200	5.1	IS : 3025(Pt-40)
11.	Magnesium (as Mg ²⁺)	mg/l	30	100	3.1	IS : 3025(Pt-46)
12.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	IS : 3025(Pt-42)
13.	Manganese(as Mn)	mg/l	0.1	0.3	<0.01	IS : 3025(Pt-59)
14.	Sulphate (as SO ₄)	mg/l	200	400	<2.0	IS : 3025(Pt-24)

Prepared By. *lps*

Approved By. *skdb*

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Recognised from Ministry of Environment, Forest and Climate Change (MoEF) Govt. of India, Under E(P)a 1986 vide F.No. 15018/29/2017-CPW

TEST REPORT NO.	WI22025023	PAGE NO.	2 of 2
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022

S. No.	Parameters	Unit	Limit (IS-10500-2012)		Results	Test method
			Desirable Limit	Permissible Limit		
15.	Nitrate(as NO ₃)	mg/l	45	No Relaxation	<1.0	IS : 3025(Pt-34)
16.	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	0.001	0.002	<0.001	IS : 3025(Pt-43)
17.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	IS : 3025(Pt-48)
18.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.002	IS : 3025(Pt-41)
19.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-56)
20.	Arsenic (as As)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-37)
21.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.05	IS : 3025(Pt-27)
22.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-47)
23.	Zinc (as Zn)	mg/l	5	15	<0.05	IS : 3025(Pt-49)
24.	Anionic Detergent (as MBAS)	mg/l	0.2	1.0	<0.01	APHA 22nd Ed., 5540 (c)
25.	Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	IS : 3025(Pt-52)
26.	Mineral oil	mg/l	0.5	No Relaxation	<0.01	IS : 3025(Pt-39)
27.	Total Alkalinity as CaCO ₃	mg/l	200	600	22.4	IS : 3025(Pt-23)
28.	Aluminum (as Al)	mg/l	0.03	0.2	<0.02	IS : 3025(Pt-55)
29.	Boron (as B)	mg/l	0.5	2.4	<0.1	IS : 3025(Pt-57)
30.	Taste	-	Agreeable	Agreeable	Agreeable	IS : 3025(Pt-8)
Bacteriological Parameters						
1	Total Coliform	100/ml	Shall not be detectable		Absent	IS : 15185
2	E.Coli	100/ml	Shall not be detectable		Absent	IS : 15185

Prepared By.

Approved By.

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TEST REPORT

TEST REPORT NO.	WI22025024	PAGE NO.	1 of 2
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660MW) Bihar India-802114		Description : One RO Water(Bara Guest House) sample Collected by us on 24.09.2022 Sampling Method : IS:3025 P.1 Type of sampling : Grab Sample packing & marking : Plastic Bottle/ L&T Quantity : 5.0 L+500ml Date of testing : 25.09.2022 to 29.09.2022	

RESULTS

WATER QUALITY ANALYSIS

S. No.	Parameters	Unit	Max Requirement as per (IS-10500-2012).Ammd.3		Results	Test method
			Desirable Limit	Permissible Limit		
1.	Color	Hazen	5	15	<5	IS : 3025(Pt-4)
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS : 3025(Pt-5)
3.	Turbidity	NTU	1	5	<1	IS: 3025(Pt-10)
4.	pH	-	6.5-8.5	No Relaxation	6.76	IS : 3025(Pt-11)
5.	Total Hardness (as CaCO ₃)	mg/l	200	600	30	IS : 3025(Pt-21)
6.	Iron (as Fe)	mg/l	1.0	No Relaxation	<0.01	IS : 3025(Pt-53)
7.	Chlorides (as Cl)	mg/l	250	1000	6.2	IS : 3025(Pt-32)
8.	Fluoride (as F)	mg/l	1	1.5	<0.1	APHA 22nd Ed., 4500F(D)
9.	TDS	mg/l	500	2000	58	IS : 3025(Pt-16)
10.	Calcium(as Ca ²⁺)	mg/l	75	200	6.85	IS : 3025(Pt-40)
11.	Magnesium (as Mg ²⁺)	mg/l	30	100	3.1	IS : 3025(Pt-46)
12.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	IS : 3025(Pt-42)
13.	Manganese(as Mn)	mg/l	0.1	0.3	<0.01	IS : 3025(Pt-59)
14.	Sulphate (as SO ₄)	mg/l	200	400	<2.0	IS : 3025(Pt-24)

Prepared By. *LPS*

Approved By. *SKob*

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TEST REPORT NO.	WI22025024	PAGE NO.	2 of 2
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022

S. No.	Parameters	Unit	Limit (IS-10500-2012)		Results	Test method
			Desirable Limit	Permissible Limit		
15.	Nitrate(as NO ₃)	mg/l	45	No Relaxation	<1.0	IS : 3025(Pt-34)
16.	Phenolic Compounds (as C ₆ H ₅ OH)	mg/l	0.001	0.002	<0.001	IS : 3025(Pt-43)
17.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	IS : 3025(Pt-48)
18.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.002	IS : 3025(Pt-41)
19.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-56)
20.	Arsenic (as As)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-37)
21.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.05	IS : 3025(Pt-27)
22.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	IS : 3025(Pt-47)
23.	Zinc (as Zn)	mg/l	5	15	<0.05	IS : 3025(Pt-49)
24.	Anionic Detergent (as MBAS)	mg/l	0.2	1.0	<0.01	APHA 22nd Ed., 5540 (c)
25.	Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	IS : 3025(Pt-52)
26.	Mineral oil	mg/l	0.5	No Relaxation	<0.01	IS : 3025(Pt-39)
27.	Total Alkalinity as CaCO ₃	mg/l	200	600	22.4	IS : 3025(Pt-23)
28.	Aluminum (as Al)	mg/l	0.03	0.2	<0.02	IS : 3025(Pt-55)
29.	Boron (as B)	mg/l	0.5	2.4	<0.1	IS : 3025(Pt-57)
30.	Taste	-	Agreeable	Agreeable	Agreeable	IS : 3025(Pt-8)
Bacteriological Parameters						
1	Total Coliform	100/ml	Shall not be detectable		Absent	IS : 15185
2	E.Coli	100/ml	Shall not be detectable		Absent	IS : 15185



Prepared By.

Approved By.

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SJVN LIMITED

(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh
A 'Mini Ratna' & Schedule 'A' PSU | ISO 9001:2015 Certified Company
CIN: L40101HP1988GOI008409

ENVIRONMENT POLICY

[HOME](#) > [ENVIRONMENT](#) > [ENVIRONMENT POLICY](#)

ENVIRONMENT POLICY STATEMENT

SJVN reaffirms its commitment towards sustainable power generation and transmission with utmost care for environment.

TOWARDS THIS COMMITMENT, SJVN WILL ENDEAVOUR TO:

- > Conduct all its activities in an environmentally responsible manner and comply with applicable legal requirements, guidelines, directives and other commitments.
- > Continually improve its management systems to prevent pollution and seek new and innovative ways to mitigate environmental impacts of its past, present and future activities.
- > Develop and maintain efficient two-way communication with the stakeholders and collaborate with them in resolving environmental concerns.
- > Minimize waste generation, promote efficient use of resources and contribute towards reduction of Green House Gas (GHG) emissions.
- > Promote environmental awareness among its employees, contractors and suppliers and ensure that they have the training, knowledge, skills, resources, and equipment to meet the environmental commitments.

Preamble
Environment Policy
Initiatives
Clearances and Reports
Clearances & reports i.r.o. Corporate Head Quarter



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PCMM/3



Stock Watch Today: 16/05/2023



भारत सरकार

Government of India

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)

Petroleum & Explosives Safety Organisation (PESO)

8-एस्प्लेनेड पूर्व, पहली मंजिल

कोलकाता (प.ब.)- 700069

8, Esplanade East, 1st floor,

Kolkata - 700069

Appendix-10

E-mail : jtccekolkata@explosives.gov.in

Phone/Fax No : 033 - 22486600,22480427

संख्या /No : A/P/EC/BI/15/1988 (P522050)

दिनांक /Dated : 27/04/2022

सेवा में /To,

M/s. SJVN Thermal (P) Ltd.,
Buxar Thermal power project (2x660)MW, Chausa, Bux,
Chausa,
District: BUXAR
State: Bihar
PIN: 802114

विषय /Sub : Khasra No, 433-434, Khorampur, Thana No. 42, Sikraul, Chausa, Taluka: Buxar, District: BUXAR, State: Bihar, PIN: 802114 में प्रस्तावित पेट्रोलियम वर्ग C अधिष्ठापन के अनुमोदन के सम्बन्ध में।
Proposed Petroleum Storage Class C Installation at Khasra No, 433-434, Khorampur, Thana No. 42, Sikraul, Chausa, Taluka: Buxar, District: BUXAR, State: Bihar, PIN: 802114
Approval Regarding.

महोदय
/Sir(s),

कृपया आपके पत्र क्रमांक OIN1061032 दिनांक 26/04/2022 का अवलोकन करें।

Please refer to your letter No. OIN1061032 dated 26/04/2022

Drawing(s) nos. SMPL-P-383-M-100 dated 23/07/2020, SMPL-P-383-M-102 dated 22/03/2022, 111-29-0200 dated 28/05/2018, अनुमोदित किया जाता है तथा प्रत्येक आरेखण की एक प्रति विधिवत पृष्ठांकित कर लौटाई जा रही है।

The Drawing(s) nos. SMPL-P-383-M-100 dated 23/07/2020, SMPL-P-383-M-102 dated 22/03/2022, 111-29-0200 dated 28/05/2018, showing the site and layout etc. of the specified installation is/are approved and one copy of the same is returned herewith in token of approval.

Conditions of the Approval:-

The storage area should be fence and separated from other facilities. minimum safety distance from A/G tanks to fencing ,Unloading/loading platform,pump house must be as per PR2002

अग्रिम कार्रवाई हेतु इस कार्यालय को प्रेषित करें।

The following documents which are necessary in connection with the grant of a licence in Form XV of the Petroleum Rules, 2002 for the above installation may please be submitted to this office for further action in the matter.

1. प्ररूप IX(संलग्न) में विधिवत भरा हुआ एवं हस्ताक्षरित आवेदन।
An Application in Form IX (enclosed) duly filled in and signed.
2. पेट्रोलियम नियम 2002 के तहत ऑनलाइन आवेदन पोर्टल पर उपलब्ध ई-भुगतान सुविधा के माध्यम से अनुज्ञप्ति शुल्क रू 50000/- (प्रति वर्ष – अधिकतम 10 वर्ष तक) ऑनलाइन जमा किया जाना है।
A license fee of Rs. 50000/- (per year - maximum upto 10 years) to be submitted online through e-payment facility available on online application portal under petroleum Rules, 2002.
3. अनुमोदन की शर्तों को (यदि कोई हो) शामिल करते हुए तथा किसी भी इंक करेक्शन के बिना, अधिकृत हस्ताक्षरकर्ता द्वारा विधिवत हस्ताक्षरित, अनुमोदित प्लान की ब्लू प्रिंट या सीएडी (CAD) प्रिंट में चार प्रतियाँ।
Four copies of the approved plans.
4. इस संगठन द्वारा मान्यता प्राप्त सक्षम व्यक्ति द्वारा उनके हस्ताक्षर के स्टैप सहित जारी पेट्रोलियम नियम 2002 के अंतर्गत नियम 130 और 126 में आवश्यक निर्धारित प्ररूप (संलग्न) में सेफ्टी और टेस्ट प्रमाण-पत्र।
Safety and Test Certificate required under rule 130 and 126 of the Petroleum Rules, 2002 (enclosed) issued by Competent person.
5. पेट्रोलियम नियम के नियम 144 के अंतर्गत जिला प्राधिकारी द्वारा जारी 'अनापत्ति प्रमाण-पत्र' की मूल प्रति तथा उनके द्वारा विधिवत हस्ताक्षरित एवं कार्यालय की मोहर लगा हुआ साईट प्लान।
Original copy of 'No Objection Certificate' from the District Authority together with site plan duly endorsed by him with his office seal thereon.
6. इस कार्यालय से होनेवाले पत्राचार पर हस्ताक्षर करने के लिए अधिकृत व्यक्ति(यों)के नमूना हस्ताक्षर।
Specimen signature(s) of the person(s) authorised to sign the correspondence intended for this organisation with a copy to Controller of Explosives, Patna.
7. Copy of Hazop Study & Risk Analysis Report.
8. Copy of On-Site Emergency Plan.
9. Copy of Safety Report under Rule 10 of MSIHC Rule, 1989.

जी.एस.आर. 519(ई) दिनांक 05/06/2000 द्वारा भारत सरकार, पेट्रोलियम तथा प्राकृतिक गैस मंत्रालय द्वारा अधिसूचित आदेश 2000 के 'सॉल्वेंट, रैफिनेट तथा स्लॉप (अधिग्रहण, बिक्री, भंडारण और ऑटोमोबाइल में उपयोग की रोकथाम) आवश्यकता/प्रावधान का कृपया पालन करें।

Please follow the requirement/provision of " Solvent, Raffinate and Slop (Acquisition, Sale, Storage & Prevention of use in Automobiles)" Order 2000 notified by Government of India, Ministry of Petroleum and Natural Gas vide G.S.R. 519 (E) dated 05/06/2000.

यह अनुमोदन/अनुमति अन्य प्राधिकारियों से आवश्यक अनुमति/क्लीयरन्स प्राप्त करने से या यथा लागू अन्य विधियों से छूट नहीं देती है।

This approval/permission, however, does not absolve from obtaining necessary permission/clearance from other authorities or under other statutes as applicable.

भवदीय /Yours faithfully,

((अब्दुल मुत्तालिब)
(Abdul Muttalib)
विस्फोटक नियंत्रक

Controller of Explosives
कृते संयुक्त मुख्य विस्फोटक नियंत्रक
For Jt. Chief Controller of Explosives
कोलकाता (प.ब.)/Kolkata

Note:-This is system generated document does not require signature.

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in> देखें)
(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

**TEST REPORT**

TEST REPORT NO.	AI2202502	PAGE NO.	1 of 1
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660 MW) Bihar India-802114		Sample Particulars: Ambient Air Testing done on : 25.09.2022 to 29.09.2022	

TEST RESULTS
AMBIENT AIR QUALITY ANALYSIS

Sampling Details:

Date of Sampling	: 21.09.2022 (09:40 am) to 22.09.2022 (09:40 am)
Sampling Location	: STG-1
Sampling done by	: Winmet representative
Sampling Duration	: 24 hours
Sampling duration for CO & O ₃	: 1 hours
Average Ambient Temperature (°C)	: 28
Weather condition	: clear sky
Avg Flow rate of RSPM (m ³ /min)	: 1.11
Sample Packing & Marking	: plastic bottle & Zip polybag,

S. NO	Parameters	Unit	Results	NAAQ Standards E(P)A, 1986	Test Method
1.	Particulate Matter (size less than 10 µm) or PM ₁₀	µg/m ³	84	100	IS: 5182 (part 23)
2.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	µg/m ³	36	60	IS: 5182 (part 24)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	16	80	IS: 5182 (pt 2)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	39	80	IS: 5182 (part 6)
5.	Total SPM	µg/m ³	140	-	IS: 5182 (pt 4)

* annual standard

End of Report


Checked By.


Authorized Signatory

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
2. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied.
3. Total liability of our works is limited to invoiced amount.
4. This report can not used as evidence in a court of law without the written approval of the lab.
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6. Any sort of play by the customer with the data of this certificate shall be illegal.





TEST REPORT

TEST REPORT NO.	AI2202504	PAGE NO.	1 of 1
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660 MW) Bihar India-802114		Sample Particulars: Ambient Air Testing done on : 25.09.2022 to 29.09.2022	

TEST RESULTS AMBIENT AIR QUALITY ANALYSIS

Sampling Details:

Date of Sampling : 22.09.2022 (09:10 am) to 23.09.2022 (09:10 am)
 Sampling Location : Stacker -01 (CHP)
 Sampling done by : Winmet representative
 Sampling Duration : 24 hours
 Sampling duration for CO & O₃ : 1 hours
 Average Ambient Temperature (°C) : 28
 Weather condition : clear sky
 Avg Flow rate of RSPM (m³/min) : 1.09
 Sample Packing & Marking : plastic bottle & Zip polybag,

S. NO	Parameters	Unit	Results	NAAQ Standards E(P)A, 1986	Test Method
1.	Particulate Matter (size less than 10 µm) or PM ₁₀	µg/m ³	80	100	IS: 5182 (part 23)
2.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	µg/m ³	34	60	IS: 5182 (part 24)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	12	80	IS: 5182 (pt 2)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	32	80	IS: 5182 (part 6)
5.	Total SPM	µg/m ³	142	-	IS: 5182 (pt 4)

* annual standard

End of Report

Checked By. 

Authorized Signatory 

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
 2. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied.
 3. Total liability of our works is limited to invoiced amount.
 4. This report can not used as evidence in a court of law without the written approval of the lab.
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TEST REPORT

TEST REPORT NO.	AI2202506	PAGE NO.	1 of 1
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660 MW) Bihar India-802114		Sample Particulars: Ambient Air Testing done on : 25.09.2022 to 29.09.2022	

TEST RESULTS AMBIENT AIR QUALITY ANALYSIS

Sampling Details:

Date of Sampling	: 22.09.2022 (09:40 am) to 23.09.2022 (09:40 am)
Sampling Location	: Plant yard
Sampling done by	: Winmet representative
Sampling Duration	: 24 hours
Sampling duration for CO & O ₃	: 1 hours
Average Ambient Temperature (°C)	: 28
Weather condition	: clear sky
Avg Flow rate of RSPM (m ³ /min)	: 1.10
Sample Packing & Marking	: plastic bottle & Zip polybag,

S. NO	Parameters	Unit	Results	NAAQ Standards E(P)A, 1986	Test Method
1.	Particulate Matter (size less than 10 µm) or PM ₁₀	µg/m ³	90	100	IS: 5182 (part 23)
2.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	µg/m ³	42	60	IS: 5182 (part 24)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	13	80	IS: 5182 (pt 2)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	36	80	IS: 5182 (part 6)
5.	Total SPM	µg/m ³	165	-	IS: 5182 (pt 4)

* annual standard

End of Report

Checked By. 

Authorized Signatory 

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
 2. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied.
 3. Total liability of our works is limited to invoiced amount.
 4. This report can not used as evidence in a court of law without the written approval of the lab.
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TEST REPORT

TEST REPORT NO.	AI2202505	PAGE NO.	1 of 1
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660 MW) Bihar India-802114		Sample Particulars: Ambient Air Testing done on : 25.09.2022 to 29.09.2022	

TEST RESULTS AMBIENT AIR QUALITY ANALYSIS

Sampling Details:

Date of Sampling	: 22.09.2022 (09:30 am) to 23.09.2022 (09:30 am)
Sampling Location	: Near ESP-01
Sampling done by	: Winmet representative
Sampling Duration	: 24 hours
Sampling duration for CO & O ₃	: 1 hours
Average Ambient Temperature (°C)	: 28
Weather condition	: clear sky
Avg Flow rate of RSPM (m ³ /min)	: 1.07
Sample Packing & Marking	: plastic bottle & Zip polybag,

S. NO	Parameters	Unit	Results	NAAQ Standards E(P)A, 1986	Test Method
1.	Particulate Matter (size less than 10 µm) or PM ₁₀	µg/m ³	83	100	IS: 5182 (part 23)
2.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	µg/m ³	37	60	IS: 5182 (part 24)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	15	80	IS: 5182 (pt 2)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	35	80	IS: 5182 (part 6)
5.	Total SPM	µg/m ³	146	-	IS: 5182 (pt 4)

* annual standard

End of Report

Checked By.

Authorized Signatory

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
2. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied.
3. Total liability of our works is limited to invoiced amount.
4. This report can not used as evidence in a court of law without the written approval of the lab.
5. Certificate shall not be reproduced except in full, without the written approval of the laboratory.
6. Any sort of play by the customer with the data of this certificate shall be illegal.





TEST REPORT

TEST REPORT NO.	AI2202507	PAGE NO.	1 of 1
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660 MW) Bihar India-802114		Sample Particulars: Ambient Air Testing done on : 25.09.2022 to 29.09.2022	

**TEST RESULTS
AMBIENT AIR QUALITY ANALYSIS**

Sampling Details:

Date of Sampling : 23.09.2022 (09:30 am) to 24.09.2022 (09:40 am)
 Sampling Location : CW Pump House
 Sampling done by : Winmet representative
 Sampling Duration : 24 hours
 Sampling duration for CO & O₃ : 1 hours
 Average Ambient Temperature (°C) : 28
 Weather condition : clear sky
 Avg Flow rate of RSPM (m³/min) : 1.11
 Sample Packing & Marking : plastic bottle & Zip polybag,

S. NO	Parameters	Unit	Results	NAAQ Standards E(P)A, 1986	Test Method
1.	Particulate Matter (size less than 10 µm) or PM ₁₀	µg/m ³	81	100	IS: 5182 (part 23)
2.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	µg/m ³	35	60	IS: 5182 (part 24)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	16	80	IS: 5182 (pt 2)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	34	80	IS: 5182 (part 6)
5.	Total SPM	µg/m ³	150	-	IS: 5182 (pt 4)

* annual standard BDL is below Detection Limit
 End of Report DL is Detection Limit

UPS
Checked By.

SKob
Authorized Signatory

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
 2. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied.
 3. Total liability of our works is limited to invoiced amount.
 4. This report can not used as evidence in a court of law without the written approval of the lab.
 5. Certificate shall not be reproduced expect in full, without the written approval of the laboratory.
 6. Any sort of play by the customer with the data of this certificate shall be illegal.





TEST REPORT

TEST REPORT NO.	AI2202503	PAGE NO.	1 of 1
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660 MW) Bihar India-802114		Sample Particulars: Ambient Air Testing done on : 25.09.2022 to 29.09.2022	

TEST RESULTS AMBIENT AIR QUALITY ANALYSIS

Sampling Details:

Date of Sampling	: 21.09.2022 (09:50 am) to 22.09.2022 (09:50 am)
Sampling Location	: Batching plant No.5
Sampling done by	: Winmet representative
Sampling Duration	: 24 hours
Sampling duration for CO & O ₃	: 1 hours
Average Ambient Temperature (°C)	: 28
Weather condition	: clear sky
Avg Flow rate of RSPM (m ³ /min)	: 1.14
Sample Packing & Marking	: plastic bottle & Zip polybag,

S. NO	Parameters	Unit	Results	NAAQ Standards E(P)A, 1986	Test Method
1.	Particulate Matter (size less than 10 µm) or PM ₁₀	µg/m ³	93	100	IS: 5182 (part 23)
2.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	µg/m ³	45	60	IS: 5182 (part 24)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	18	80	IS: 5182 (pt 2)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	45	80	IS: 5182 (part 6)
5.	Total SPM	µg/m ³	190	-	IS: 5182 (pt 4)

* annual standard BDL is below Detection Limit
End of Report DL is Detection Limit

lps
Checked By.

SKdb
Authorized Signatory

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
2. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied.
3. Total liability of our works is limited to invoiced amount.
4. This report can not used as evidence in a court of law without the written approval of the lab.
5. Certificate shall not be reproduced expect in full, without the written approval of the laboratory.
6. Any sort of play by the customer with the data of this certificate shall be illegal.





TEST REPORT

TEST REPORT NO.	AI2202508	PAGE NO.	1 of 1
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660 MW) Bihar India-802114		Sample Particulars: Ambient Air Testing done on : 25.09.2022 to 29.09.2022	

TEST RESULTS
AMBIENT AIR QUALITY ANALYSIS

Sampling Details:

Date of Sampling : 21.09.2022 (09:50 am) to 22.09.2022 (09:50 am)
 Sampling Location : Batching plant No.3
 Sampling done by : Winmet representative
 Sampling Duration : 24 hours
 Sampling duration for CO & O₃ : 1 hours
 Average Ambient Temperature (°C) : 28
 Weather condition : clear sky
 Avg Flow rate of RSPM (m³/min) : 1.14
 Sample Packing & Marking : plastic bottle & Zip polybag,

S. NO	Parameters	Unit	Results	NAAQ Standards E(P)A, 1986	Test Method
1.	Particulate Matter (size less than 10 µm) or PM ₁₀	µg/m ³	92	100	IS: 5182 (part 23)
2.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	µg/m ³	48	60	IS: 5182 (part 24)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	21	80	IS: 5182 (pt 2)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	49	80	IS: 5182 (part 6)
5.	Total SPM	µg/m ³	170	-	IS: 5182 (pt 4)

* annual standard

End of Report

NPB
Checked By.

SKab
Authorized Signatory

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TEST REPORT

TEST REPORT NO.	AI2202501	PAGE NO.	1 of 1
SERVICE REQUEST NO.	I22032	SERVICE REQUEST DATE	18.09.2022
DATE OF ISSUE	30.09.2022	SAMPLE RECEIVED ON.	25.09.2022
NAME & ADDRESS OF CUSTOMER		SAMPLE DETAILS	
M/s. Larson & Toubro Ltd. C/o STPL Ltd. Buxar Thermal Power Project (2*660 MW) Bihar India-802114		Sample Particulars: Ambient Air Testing done on : 25.09.2022 to 29.09.2022	

TEST RESULTS AMBIENT AIR QUALITY ANALYSIS

Sampling Details:

Date of Sampling : 21.09.2022 (09:30 am) to 22.09.2022 (09:30 am)
 Sampling Location : Near Main Gate
 Sampling done by : Winmet representative
 Sampling Duration : 24 hours
 Sampling duration for CO & O₃ : 1 hours
 Average Ambient Temperature (°C) : 28
 Weather condition : clear sky
 Avg Flow rate of RSPM (m³/min) : 1.13
 Sample Packing & Marking : plastic bottle & Zip polybag

S. NO	Parameters	Unit	Results	NAAQ Standards E(P)A, 1986	Test Method
1.	Particulate Matter (size less than 10 µm) or PM ₁₀	µg/m ³	94	100	IS: 5182 (part 23)
2.	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	µg/m ³	48	60	IS: 5182 (part 24)
3.	Sulphur Dioxide (SO ₂)	µg/m ³	24	80	IS: 5182 (pt 2)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	52	80	IS: 5182 (part 6)
5.	Total SPM	µg/m ³	180	-	IS: 5182 (pt 4)

* annual standard

****End of Report****

UPB
Checked By.

SKB
Authorized Signatory

- Note 1. Sample will be retained for two weeks from the date of issue of test report, unless specified by the customer.
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हिन्दुस्तान

पटना • गुरुवार • 09 मार्च 2017 • 04

मैसर्स एसजेवीएन थर्मल (प्रा.) लि. को पर्यावरणीय मंजूरी

पर्यावरण, वन एवं जलवायु परिवर्तन (एमओईएफ एंड सीसी) मंत्रालय के दिनांक 28 फरवरी, 2017 के पत्र सं. जे. 13012/69/2008-आईए.आई(टी) के तहत बिहार में बक्सर जिले के चौसा गांव में प्रस्तावित "कोयले पर आधारित 2x660 मेगावाट के सुपर क्रिटिकल बक्सर थर्मल पावर परियोजना (बीटीपीपी)" को पर्यावरणीय मंजूरी प्रदान की है।

मंजूरी पत्र की प्रति बिहार राज्य प्रदूषण नियंत्रण बोर्ड के पास उपलब्ध है तथा इसके एमओईएफ एंड सीसी की वेबसाइट <http://envfor.nic.in> तथा www.http://sjvn.nic.in पर भी देखा जा सकता है।

नायीकर्ता: **मुख्य कार्यकारी अधिकारी**

मैसर्स एसजेवीएन थर्मल (प्रा.) लि.

(भारत सरकार के अधीन एक मिनी रत्न तथा शेड्यूल (ए)

पीएसयू-एसजेवीएन लि. की पूर्व स्वामित्व वाली अधीनस्थ कंपनी)

कार्यालय: नव दुर्गा कॉम्प्लेक्स, द्वितीय तल, अम्बेडकर चौक, कलेक्टर रोड,

बक्सर-802101 दूरभाष: 06183-223105

हिन्दुस्तान न्यूज पेपर दिनांक-9 मार्च 2017 को प्रकाशित
किया गया।

सूचना - मुख्य कार्यकारी अधिकारी

सी एस ओ

प्रमुख (ईएसएम)

NT

मेसर्स एसजेवीएन थर्मल (प्रा.) लि.

को पर्यावरणीय मंजूरी

पर्यावरण, वन एवं जलवायु परिवर्तन (एमओईएफ एंड सीसी) मंत्रालय के दिनांक 28 फरवरी, 2017 के पत्र सं० जे 13012/69/2008-आईए.आई(टी) के तहत बिहार में बक्सर जिले के चौसा गांव में प्रस्तावित "कोयले पर आधारित 2x660 मेगावाट के सुपर क्रिटिकल बक्सर थर्मल पावर परियोजना (बीटीपीपी)" को पर्यावरणीय मंजूरी प्रदान की है।

मंजूरी पत्र की प्रति बिहार राज्य प्रदूषण नियंत्रण बोर्ड के पास उपलब्ध है तथा इसके एमओईएफ एंड सीसी की वेबसाइट <http://envfor.nic.in> तथा [www.http://sjvn.nic.in](http://sjvn.nic.in) पर भी देखा जा सकता है।

जारीकर्ता : मुख्य कार्यकारी अधिकारी

मेसर्स एसजेवीएन थर्मल (प्रा.) लि.

(भारत सरकार के अधीन एक मिनी रत्न तथा शेड्यूल (ए) पीएसयू-एसजेवीएन लि. की पूर्ण स्वामित्व वाली अधीनस्थ कंपनी)

कार्यालय : नव दुर्गा कॉम्प्लेक्स, द्वितीय तल,
अम्बेदकर चौक, कलेक्टरेट रोड, बक्सर - 802101

दूरभाष : 06183-223105

दैनिक जागरण 5 मार्च 2017 को प्रकाशित किया गया,

सूचनाार्थ :- मुख्य कार्यकारी अधिकारी
सीएफ ओ
प्रमुख (सीएफओ)

NR

2017/6/3

SJVN Thermal (P) Ltd.

(A wholly owned subsidiary of SJVN Ltd.- A Mini Ratna & Schedule 'A' PSU under GoI)

Buxar Thermal Power Project (1320 MW)

CIN:U31908BR2007PTC017646

Email: liaisonpatna@gmail.com

Ref: STPL/BTPP/Envnt./17-199

Date: April 20, 2017

The Additional Principal Chief Conservator of Forests (C),
Ministry of Environment Forest and Climate Change,
Regional office (Eastern-Central Zone Region),
Bungalow No. A-2, Shyamali Colony,
Ranchi - 834 002 (Jharkhand)

बिहार राज्य प्रदूषण नियंत्रण पार्षद
पाटलीपुत्रा औद्योगिक क्षेत्र, पटना-13

24 APR 2017

प्राप्त किया

Attn.: Sh. Kanwarjit Singh, IFS

Sub: Environment Clearance of 1320 MW Buxar Thermal Power Project- regarding.

Dear Sir,

With reference to the subject cited matter, it is submitted that SJVN Thermal (P) Limited, a subsidiary of SJVN Limited (A Miniratna Schedule 'A' CPSU) is implementing the 1320 MW Buxar Thermal Power Project (BTPP) in village Chausa, district Buxar, Bihar. Environment clearance has been accorded to the project by MoEF&CC vide letter no. J-13012/69/2008-IA.I (T) dated 28.02.2017. (Copy enclosed)

In this regard, in compliance of the letter of environmental clearance, the following information/data is kindly submitted to your good office for reference and records.

- The final EIA/EMP report and additional information submitted to MoEF&CC for seeking environment clearance in hard and soft copy.
- The project information sheet in the prescribed format in hard and soft copy.
- Copy of the advertisement published in local newspapers for publicizing the grant of environmental clearance.
- A copy of the environment clearance letter has also been uploaded on SJVN's website; www.sjvn.nic.in

It is kindly submitted that the project execution work shall be started after obtaining PIB & CCEA approval and the project commissioning has accordingly been planned during FY 2022-2023. We further undertake that STPL shall comply with all conditions stipulated in the Environment Clearance letter and will be submitting the first six monthly compliance report (for period of April 2017- September 2017) in the month of October 2017 and thereafter half yearly regularly to your office.

In addition, it is kindly requested that all future correspondence to this office may be addressed to the Chief Executive Officer, SJVN Thermal Pvt. Ltd., 2nd floor, Navdurga Complex, Near Ambedkar Chowk, Collectorate Road, Buxar -802101. E-mail: liaisonpatna@gmail.com, Phone: 06183-223168, 9630089352.

Contd

We hope the above information is line with your requirements.

Thanking You,
Yours Faithfully,

(Handwritten signature)
24/04/2017

(Parveen Gupta)
Chief Executive Officer

Encl.(s): As above

Copy: For kind information please:

1. Member Secretary, Bihar State Pollution Control Board, Parivesh Bhawan, Patliputra Industrial Area, Patn

