

State Level Environment Impact Assessment Authority, Rajasthan

4, Institutional Area, Jhalana Doongri, Jaipur-302004

Phone: 0141-2705633, 2711329 Ext. 361

No: F1 (4)/SEIAA/SEAC-Raj/Sectt/Project / Cat. 1 (d) B1/ (371)11-12

Jaipur, Dated:

30 JUL 2012

To,

M/s Radong Jagdish Mineral & Gas Pvt. Ltd.,
3, Suraj Nagar-West, Civil Lines,
Jaipur-

Sub: EC for proposed 35 MW gas based power plant by M/s Radong Jagdish Mineral & Gas Pvt.Ltd. at village Ramgarh, Tehsil Ramgarh-2, District Jaisalmer.

Sir,

This has reference to your application no. EC/01/040411 dated 4.4.11 seeking environmental clearances for the above project under EIA Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, EIA, EMP and additional clarifications furnished in response to the observation of the State Level Expert Committee Rajasthan, in its meetings held on 23/24.2.12 & 18/19.6.12.

2. Brief details of the Project:

1.	Item No. in the list of Schedule / Category:	1(d) B1			
2.	Location of site	Khasra No. 3685 & 3678, village- Ramgarh, Colonisation Tehsil- Ramgarh No.2, District Jaisalmer.			
3.	Total Area	65 Acres (Banjar)			
4.	Product & Capacity	a) Power generation at 11 KV from Gas based, Thermal power Plant based on Internal Combustion Technology. b) Final Capacity = 35 MW (However, initially plant will have approx 10 MW capacity which would be expanded depending upon gas allocation).			
5.	Expected Cost	Total Estimated Cost = 120 Crores approx.			
6.	Water Requirement & Source	S.N	Item	Total Water Requirement (m ³ /day)	Source
		1	Plant Requirement	230	Indira Gandhi Nahar Board (IGNB) allocated 1 cusec (2446.5 m ³ /day) water/day vide letter no. P2(4) Energy/2011 dt. 25/29.11.2011 GoR. Dept. of Energy for water supply of proposed project.
		2	Domestic Use	30	
		3	Green Belt Development	40	
			Total	300	
7.	Fuel & Energy	Natural Gas = 1,75,000 SCM/day			
8.	Environment Management Plan:	(A). Capital cost of the project (as proposed to approved by the funding agency/ financial institutions. (Rs. Lacs) 200 (b). Cost of environmental protection measures (Rs. Lacs)			
		S.N.		Recurring Cost per annum	Capital Cost
		1	Air Pollution Control	2	06
		2	Water Pollution Control		-
		3	Noise Pollution Control		-
		4	Environment Monitoring and Management	4	24
		5	Reclamation borrow/mined area	-	-
		6	Occupational Health	2	5
		7	Green Belt	3	30
		8	Other (Pl. Specify)	5	135
			Total	16	200

9	Corporate Social Responsibility (CSR):	<p>M/s Radong Jagdish Mineral & Gas Pvt. Ltd. at village Ramgarh, Tehsil Ramgarh-2, District Jaisalmer has allocated a budget of Rs. 50,00,000/- per annum for 5 years on various activities of social upliftment of following items:-</p> <ol style="list-style-type: none"> 1. Purchase of ambulance 2. Free medical camps for villagers and distribution of medicines 3. Environmental and Community development campaigns 4. Social afforestation in the villages of study area 5. Donation of computers and other infrastructural facilities to local schools 6. Scholarships to meritorious students, especially to girl students 7. Other CSR activities required, in consultation with local authorities.
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3. The SEAC Rajasthan after due considerations of the relevant documents submitted by the project proponent and additional clarifications/documents furnished to it have recommended for Environmental Clearance with certain stipulations. The SEIAA Rajasthan after considering the proposal and recommendations of the SEAC Rajasthan hereby accord Environmental Clearance to the project as per the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:
- i. As envisaged, the PP shall ensure the implementation of the commitments in respect of addressing Environmental and Social issues. The PP shall ensure spending Rs. 135 Lacs as initial capital cost and there after Rs. 05.00 lacs per year towards annual recurring cost for the environment protection programmes and green belt development.
 - ii. The management shall obtain prior Consents to Establish under Water (Prevention and Control of Pollution) Act' 74 and Air (Prevention and Control of Pollution) Act, 1981.
 - iii. A conical stack of 65 meters height with flue gas velocity at 15.00 m/sec shall be provided with continuous on-line monitoring system. Data collected shall be analyzed and to cut down fresh water demand.
 - iv. Continuous stack monitoring facilities to monitor gaseous emissions from all the submitted regularly to RPCB and the MoEF, Regional office, Lucknow.
 - v. As proposed in REIA, the management shall install air cooled condenser system stacks shall be provided to control emissions within limits by installing adequate air pollution control system like bag filters, dust collectors, ESP etc. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.
 - vi. Water requirement shall not exceed 300 m³/day, (plant requirement of water 230 m³/day, Domestic water 30 m³/day) green belt development 40 m³/day, out of which fresh water drawn from the IGNP (i.e. with in the limit of 300 m³/day withdrawal permitted by the IGNP canal) and the balance shall be the treated water.
 - vii. Electrostatic Precipitator (ESP) with 99.9% efficiency shall be installed to control particulate emission within the prescribed limit up to 100 mg/Nm³. The ESP will be interlocked with the boiler so that, in the event of non-functioning of ESP, the power plant shuts down instantly. As proposed, the ESP shall be connected with the ash handling system.
 - viii. Fugitive dust emissions shall be controlled as per CPCB guidelines on Fugitive Dust Emissions.
 - ix. The power generated shall be evacuated through 11/132 kVA substation in Tehsil Ramgarh-2, which is about 06.00 km away from the project site. The synchronization shall be done with 132 KV bus bar systems available at Ramgarh-2, sub station, however, ensuring minimum losses.
 - x. The hazardous waste generated shall be disposed in accordance with provisions under the "Hazardous Wastes (Management, Handling and Trans-boundary Movement) Rules 2008.
 - xi. The power purchase agreement to be signed between the PP and any other larger group (second party) shall incorporate the condition that, the second party shall sell the power, purchased from the first party, within Rajasthan only.
 - xii. Plantation shall be carried out in an area of 8.91 ha. The peripheral plantation shall be carried out in minimum two rows (in staggered manner) to minimize the affects of air pollution. Every year due care shall be taken to replace the causalities.
 - xiii. The management shall provide an effective rainwater harvesting system and optimize the cost of conservation. Central Groundwater Authority/Board shall be consulted for finalization of appropriate water harvesting scheme/structures within a period of three months from the date of clearance.
 - xiv. Infrastructure facilities including sewage treatment and its sanitary disposal, first aid and shall be made for the project personnel/contract labour and drivers during construction phase.
 - xv. Regular monitoring of ground water in and around the ash disposal area shall be carried out and records be maintained.
 - xvi. Regular monitoring of the air quality shall be carried out in and around the power plant and records be maintained. All air, water and other monitoring shall be carried out through a MOEF/ NABL/CPCB/ Govt approved laboratories. Six monthly compliance reports shall be submitted to the SEIAA, Rajasthan, RPCB and the Regional Office of MoEF at Lucknow.
 - xvii. Leq of noise level shall be limited to 75 dB (A) and regular maintenance of equipment be undertaken. For people working in the high noise area, earplug shall be provided.

- xviii. Regular monitoring of the air quality shall be carried out in and around the power plant and records be maintained.
- xix. For controlling fugitive dust, regular sprinkling of water in lignite storage area and other vulnerable areas of the plant shall be ensured.
- xx. As proposed, effective fire fighting system shall be provided and mock drills be carried out as per fire & safety rules.
- xxi. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the SEIAA, Rajasthan and RPCB.
- xxii. A separate environment monitoring cell with suitable qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- xxiii. Educational and Skill mapping shall be carried out by the PP on the basis of secondary data and submitted to RPCB/CPCB and the MoEF, Regional Office at Lucknow.
- xxiv. Post project monitoring shall be carried out as proposed and half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to the RPCB/CPCB and the MoEF, Regional Office at Lucknow.
- xxv. Regional Office of the MoEF located at Lucknow and RPCB shall monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact assessment Report and Management Plan shall be forwarded to these organizations for use during monitoring.
- xxvi. Full cooperation shall be extended to the Officers of RPCB/ CPCB/ MoEF Regional Office at Lucknow/who would be monitoring the compliance of environmental status.
- xxvii. The environmental clearance is subject to any litigation pending before any courts of law/tribunal/legal body in the State/Country, if any.
- xxviii. The SEIAA, Rajasthan reserves the right to add new, annul/modify existing stipulated conditions, and/or revoke the clearance if these conditions are not implemented to its satisfaction, in the interest of environment protection.
- xxix. The environmental clearance accorded shall be valid for a period of 5 years to the start of production operation by the power plant.
- xxx. In case of any deviation or alteration in the proposed project from that submitted for clearance, a fresh reference shall be made to the SEIAA, Rajasthan to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
- xxxi. Necessary permission shall be obtained from the Chief Controller of Explosives and Factory Inspectorate for the Storage of lignite.
- xxxii. The above stipulations shall be enforced along with others as under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989, Hazardous Wastes (Management and Handling) Rules, 2008, the Public Liability Insurance Act, 1991 and rules there under.
- xxxiii. Document to be provided at the time of applying to RPCB for Consent to Establish/Operate:
- A Traffic census and Traffic Management Plan to be provided. This is required in view of the fact that the biomass is available in limited month of the year and that biomass collection during peak season shall require large number of vehicles to move in the area.
 - Approval of competent authority to the proposed Fire Fighting Plan.
 - Source and period of Socio Economic data used in the report to be provided.
 - Details of flora and fauna in the study area duly authenticated by the concerned DFO.
 - The project proponent shall submit a commitment to take up the project for CDM and design the project to meet such intent.
- xxxiv. A voluntary commitment of the Social responsibility activities to be undertaken by the project proponent and the budgeted amount proposed for such activity. Information in this regard may be furnished to RPCB at the time of applying for Consent to Establish/Operate.

Yours faithfully,

Sd.
(Sankatha Prasad)
Member Secretary
SEIAA Rajasthan

Copy to following for information and necessary action:

1. Secretary, Ministry of Environment and Forest, Govt. of India, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi.
2. Addl. Chief Secretary, Environment Department, Rajasthan, Jaipur.
3. Smt. Alka Kala, Chairman, SEIAA, Rajasthan, 69-A, Bajaj Nagar Enclave, Jaipur
4. Shri Moti Lal Daima, Member, SEIAA, Rajasthan, 48/9, Moti Path, Mansarovar, Jaipur.
5. Member Secretary, Rajasthan State Pollution Control Board, Jaipur for information & necessary action and to display this sanction on the website of the Rajasthan State Pollution Control Board, Jaipur.
6. Secretary, SEAC Rajasthan.
7. The CCF, Regional Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow-226 020.
8. Environment Management Plan- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
- ✓ 9. Nodal Officer (Departmental Website), Department of Environment, Government of Rajasthan, Jaipur with the request to upload the copy of this environmental clearance on the website.


M.S. SEIAA (Rajasthan)