

**State Level Environment Impact Assessment Authority, Rajasthan**

Main Building, Room No. 5221, Secretariat, Jaipur.

E-mail : seiaaseiaa2018@gmail.com Phone no. 0141-2227838

No. FI. (4)/SEIAA/SEAC-Raj/Secct/Project / Cat. 1(a) B1 (13212)/2019-20

Dated:

**20 SEP 2019**

M/s. RIICO Ltd.

Sh. Mahendra Singh (Sr. Regional Manger)

Authorized Signatory –

CFC Building, EPIP,

Boranada (Jodhpur)

Sub:- EC for proposed Industrial Area (Total Area-85.140 hect.) at Dhanuva, Distt. Jaisalmer, Rajasthan by M/s. RIICO Ltd.

This has reference to your application dated 22.03.2016 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 Appraisal Committee Rajasthan, in its meeting held on 3-6 September, 2019.

**2 Brief details of the Project:**

1	Category / Item no.(in Schedule)	8b																																			
2	Location of Project	Village Dhanuva, District- Jaisalmer (Rajasthan)																																			
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		Type of industrial Plots	Type E, F, G, G.1																								
4	Project Cost	Rs. 63.22 Crores																									
5	Water Requirement & Source	950 KLD Source- PHED water supply																									
6	Fuel & Energy	Electricity: 5 MVA Source: Jodhpur Vidyut Vitran Nigam Limited (JVVNL).																									
7	Environment Management Plan	EMP Cost - Rs. 333.06 Lacs EPF (Environment Protection Fund) - Rs. 50.20 Lacs (1% of proposed development cost)																									
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9	Green Belt/ Plantation	Rs. 95.0 Lakhs will be spend on greenbelt development in 33% of the project area. Under the green belt development program 9.7624 ha area will be developed as green belt area.																									
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10	Budgetary Breakup for Labour	Rs. 1.5 Lakhs/year																									



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 in its 4.24<sup>th</sup> Meeting held on 16.09.2019 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:

**PART A: SPECIFIC CONDITIONS—  
CONSTRUCTION PHASE**


1. Environmental Clearance for Rajasthan State Industrial Development and Investment Ltd. Corp., CFC Building, Boranada Jodhpur for development of Industrial Area Dhanuva at Village Dhanuva, District Jaisalmer.
2. No "A" cat unit shall be allotted any plot in the industrial area.
3. Consent to Establish" shall be obtained from RPCB before start of any construction work at the site.
4. For conservation of electricity and to reduce energy losses the management shall ensure that the electrical voltage is stepped down from 18,250 KW. The PP shall ensure obtaining prior permission from the SE, JVVNL regarding power demand.
5. For better environmental safeguards, the PP shall provide sufficient number of transformers of adequate capacities for environmentally sound power distribution and power conservation.
6. The P.P. shall inform the RSPCB at the time of applying for CTE regarding investment on the various activities to be taken up under proposed Environment Management Plan as per table above.
7. That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry / unit / project proponent. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.
8. The PP shall ensure that, the Green Roof Technology is implemented and put in place.
9. The PP shall explore a System for composting of MSW within the campus and its use/disposal and follow the provision of MSW rules.
10. The PP shall provide a System for BMW management as per applicable rules.
11. The PP shall take measures to ensure 10% reduction of overall power demand which shall be met by solar system including the provision of solar water heating /chilling etc.
12. The PP shall review and specify employment opportunities (direct /indirect numbers) to local persons.
13. The PP shall ensure implementation of fire fighting plan.
14. Green belt/Landscaping should be developed in 9.7624 Ha, as proposed.
15. As envisaged, the P.P. shall invest an amount of **Rs 333.06 Lacs** for implementing various environmental protection measures.
16. An amount of **Rs 100.40 Lacs/year** should be spent under CSR as above. The expenditure on these activities shall be reflected in the books of account when presented for auditing of accounts. The proposal should contain provision for toilets for girls in nearby schools. The proposal should contain provision for monthly medical camps, distribution of medicines and improvement in educational facilities in the nearby schools. The Detailed action plan of CSR activities shall be submitted by the PP to RSPCB at the time of applying for "Consent to Establish".
17. The P.P. shall ensure taking necessary steps on urgent basis to improve the living conditions of the labour at site. An amount of **Rs 1.5 Lacs** per year, as proposed shall be expensed as Budgetary provision for the housing of construction labor within the site with all necessary infrastructure and facilities such as health facility, sanitation facility, fuel/LPG for cooking, along with safe drinking water, medical camps, and toilets for women, crèche for infants. The housing may be in the form of

- temporary structures to be removed after the completion of the project. Details of provisions should be submitted to RPCB at the time of obtaining CTE.
18. All required sanitary and hygienic measures shall be in place before starting construction activities. The safe disposal of waste water and solid waste generated during the contraction phase shall be ensured.
  19. Adequate drinking water facilities shall be provided for construction workers at the site.
  20. As proposed, Individual industry will provide effluent treatment plant at their own premises and will utilize the treated wastewater in gardening/ process. No treated effluent discharge outside the premises will be permitted keeping Zero Liquid discharge.
  21. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of the people, only in approved sites with the approval of competent authority.
  22. Soil and ground water samples will be tested to ascertain that, there is no threat to the ground water quality by leaching of heavy metals and other toxic contaminants.
  23. Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they do not leach into the ground water.
  24. The diesel generator sets to be used during the construction phase shall be low- sulphur-diesel type and shall conform to Environment (Protection) Rules for air and noise emission standards.
  25. Vehicles hired for bringing construction material and laborers to the site shall be in good conditions and shall conform to applicable air and noise emission standards and shall be operated during non-peak/approved hours.
  26. Ambient noise levels shall conform to industrial standards both during day and night. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase.
  27. The PP shall provide a continuous air monitoring station point considering the wind rose of the area. The location of which shall be reported to the RSPCB at the time of CTE.
  28. Fly ash shall be used as building material in the construction as per the provisions of Fly Ash notification of September, 1999 and amended as on August, 2003 (The above condition is applicable only if the project is within 100 km of Thermal Power Station).
  29. Ready mixed concrete must be used in building construction.
  30. Storm water control and its re-use as per CGWA and BIS standards for various applications.
  31. Water demand during construction shall be reduced by the use of pre-mixed concrete, curing agents and other best practices.
  32. Permission to draw ground water, if any, shall be obtained from the CGWA/CGWB prior to construction/ operation of the project.
  33. Fixtures for showers, toilet flushing and drinking shall be of low flow either by use of aerators of pressure reducing devices or sensor based control.
  34. Use of glass may be reduced by up to 40% to reduce the electricity consumption and load in air-conditioning. If necessary, use high quality double glass with special reflective coating windows.
  35. Roof shall meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
  36. Adequate measures shall be taken to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits.
  37. Opaque walls shall meet prescriptive requirement as per Energy Conservation Building Code for all air-conditioned spaces, whereas, for non- air-conditioned spaces, by use of appropriate thermal insulation material to fulfill the requirement.
  38. A First Aid Room will be provided in the project both during construction and operation of the project.
  39. Any hazardous waste generated during construction phase shall be disposed off as per applicable rules and norms with necessary authorization of the Rajasthan Pollution Control Board.
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40. The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc as per National Building Code 2005 including protection measures from lightening etc.
41. Regular supervision of the above and other measures for monitoring shall be in place throughout the construction phase, so as to avoid nuisance to the surroundings.
42. Approved plan from competent Authority should be obtained.
43. Guidelines issued by concerned ministry for water scarce area should be followed.
44. Ground water table to be shown along with source. Besides, permission of competent authority is obtained for withdrawal of ground water.
45. The PP shall abide by the provisions relating to MSW handling and management rules.
46. Review and revise the requirement of DG set capacities for 100% power back up through to optimization of power back up in case of power failure and emergency.
47. No "A" category projects ( as per schedule of EIA Notification dtd 14<sup>th</sup> Sept. 2006) would be allowed in the Industrial area. All the units should be zero discharge units and should have their own self sufficient ETP. The treated waste water should be reused in their own process/premises. Any violation by Industry in this regard would be the responsibility of RIICO for taking action.
48. As proposed, the CETP (if and whenever provided) for units would also be based on zero discharge status. For such CETP the PP shall take separate prior EC. The location of the CETP would be such that the waste water from the connected industries can be conveniently collected and brought to the CETP through closed conduit pipe and the treated water can be conveniently sent back to the respective units for reuse. By the time allotment of plots be completed the construction of CETP should be completed. Individual units operating in industrial area shall be provided CTE/CTO only after their linkage and treatment in CETP.
49. Total domestic water requirement shall not exceed 100 KLD in construction phase and 560 KLD in operational phase for domestic purpose only, as proposed. The water requirement during operation phase will be arranged by individual industry owner after obtaining necessary permissions / approvals. The necessary permission of water supply should be submitted to RSPCB at the time of applying for CTE. At the time of applying for CTE the PP should get it confirmed from RSPCB that no illegal bore well exists in the proposed site.
50. The Company shall provide stacks of adequate height to the D.G. Sets along with acoustic enclosures for noise control as per CPCB guidelines. The DG Sets shall comply with the norms notified under Environment (Protection) Act, 1986.
51. Potable water supply from suitable legal source should be ensured by RIICO prior to allotment of plots to the Industries.
52. Use of Sensor based urinals/tabs for commercial areas will be made.
53. For Horticulture, sprinkler system will be followed in landscape area.
54. For Landscaping, use of native species will be there.
55. A copy of the EIA /EMP Report of this Project shall be submitted by the consultant to the Q.C.I. as per provision.

### OPERATION PHASE

1. An independent expert shall certify the installation of the Sewage Treatment Plant (STP) and a report in this regard shall be submitted to the RPCB, before the project is commissioned for operation. Discharge of treated sewage shall conform to the norms & standards of the Rajasthan State Pollution Control Board.
  2. For conservation of electricity and to reduce energy losses the management shall ensure that the electrical voltage is stepped down from 33 KV to 11 KV and distributed at this level and finally brought to 440 volts.
  3. Rain Water harvesting (RWH) for roof run-off and surface run-off, as plan submitted shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The RWH plan shall as per GOI manual
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4. The solid waste generated shall be properly collected & segregated before disposal to the City Municipal Facility. The in-vessel bio-conversion technique may be used for composting the organic waste.
5. Any hazardous waste including biomedical waste shall be disposed of as per applicable Rules & norms with necessary approvals of the Rajasthan State Pollution Control Board.
6. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open space inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety. The total area under green belt shall not be less than 33% of the area of the proposed project.
7. As proposed the PP would provide four no. of piezometric wells at locations indicated in the site map and quarterly monitoring of these wells water would be started before allotment of plots to the industries. And report be submitted to the RSPCB.
8. Incremental pollution loads on the ambient air quality noise and water quality shall be periodically monitored after commissioning of the project.
9. Application of solar energy shall be incorporated to illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for a portion of the apartments shall be provided.
10. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking shall be fully internalized and no public space shall be utilized.
11. Ambient air quality monitoring stations shall be set up in consultation with RPCB as per the windrose diagram or where maximum ground level concentration of  $PM_{10}$  &  $PM_{2.5}$ ,  $SO_x$ ,  $NO_x$ ,  $CO$ ,  $CO_2$ , are anticipated.
12. A Report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology, R & U Factors etc. Quantify energy saving measures.
13. Proper system of channelizing excess storm water shall be provided.
14. The power factor shall be maintained near unity.
15. A balance sheet certified by a Authorized Financial Expert to clearly indicate the provision made / amount spent for EMP/ERP/CSR/ Safety/ Legal Obligations etc to be enclosed in the six monthly report to be submitted to RPCB/SEIAA.
16. Adequate measures shall be taken to prevent odor from solid waste processing and STP.
17. Construction activity in areas that requires Wild Life Clearance (if any) should be taken up only after obtaining Wild Life Clearance from NBWL.
18. The E.C. is subjected to the specific condition that the PP shall obtain prior clearance form forestry and wild Life angle including clearance from standing committee of National Board of Wild Life, as applicable. It is further categorically stated that grant of EC does not necessary implies that Forestry and Wild Life clearance shall be granted to the project and that proposals for forestry and wild Life clearance will be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any based on EC so granted, in anticipation of clearance form Forestry and Wild Life angle shall be entirely at the cost risk of the PP and MOEF/SEIAA shall not be responsible in this regard in any manner.
19. Trees and shrubs of local species shall be planted to allow habitat for birds with appropriate distance from the boundary. All along the road of residential area Buffer plantation should be provided Green belt/Landscaping should be developed in 33% area as proposed.
20. The SEIAA, Rajasthan reserve the right to add new conditions, modify/ annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by competent authorities is not satisfactory. Six monthly compliance status report of the project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow, SEIAA, Rajasthan & RPCB, Jaipur.


**General Conditions:**



1. This E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry / unit / project proponent. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.
2. No further expansion or modifications in the project shall be carried out without prior approval of the SEIAA/Ministry of Environment and Forests as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
3. The implementation of the project vis-à-vis environmental action plans shall be monitored by MoEF Regional Office at Lucknow / RSPCB / CPCB / SEIAA, Department of Environment, Government of Rajasthan, Jaipur and this office. A six monthly compliance status report shall be submitted to monitoring agencies.
4. The EC is liable to be rejected, in case it is found that the PP has deliberately concealed and furnished false and misleading information or data which is material to screening or scoping or appraisal or decision on the application for EC.
5. The project authorities shall inform the MoEF Regional Office at Lucknow / RSPCB / CPCB / SEIAA, Department of Environment, Government of Rajasthan, Jaipur and the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
6. Officials from the Department of Environment, Government of Rajasthan, Jaipur/ Regional Office of MoEF, Lucknow, RSPCB who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to SEIAA should be forwarded to the CCF, Regional Office of MoEF, Lucknow / SEIAA, Department of Environment, Government of Rajasthan, Jaipur / RSPCB.
7. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provision of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
8. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental Clearance and copies of clearance letters are available with the Rajasthan State Pollution Control Board and may also be seen on the website of the RSPCB. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of MoEF at Lucknow/Department of Ecology and Environment, Government of Rajasthan, Jaipur.
9. The conditions of EC shall be enforced among others under the provisions of water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006, along with their amendments and rules.
10. The PP shall obtain prior clearance from forestry and wild Life angle including clearance from standing committee of National Board of Wild Life (as applicable). It is further categorically stated that grant of EC does not necessary implies that Forestry and Wild Life clearance shall be granted to the project and that proposals for forestry and wild Life clearance will be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any based on EC so granted, in anticipation of clearance from Forestry and Wild Life angle shall be entirely at the cost risk of the PP and MOEF/SEIAA shall not be responsible in this regard in any manner.
11. The SEIAA, Rajasthan may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.



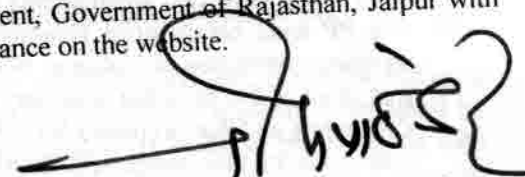
12. Main haulage road should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. In case of Belt- conveyors facilities the system should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured.
13. Periodic monitoring of ambient air quality shall be carried out for PM10, PM2.5, SPM, SO2 and NOx monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Rajasthan State pollution Control Board (RSPCB). Six monthly reports of the data so collected shall be regularly submitted to the RSPCB/CPCB including the MoEF, Regional office, Lucknow.
14. Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
15. The ambient noise level should conform to the standards prescribed under E (P) A Rules, 1986 viz 75 dB (A) during day time and 70 dB (A) during night time.
16. The PP shall submit an environmental statement for the financial year ending 31st March in Form-V as prescribed under the environment (Protection) Rules, 1986, as amended subsequently on or before the 30<sup>th</sup> day of September every year, to the Rajasthan State Pollution Control Board/SEIAA and 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 Lucknow Regional offices of MoEF/SEIAA by e-mail as well as hard copy duly signed by competent person of company.

  
**(Dr. D.N. Pandey)**  
**Member Secretary,**  
**SEIAA, Rajasthan.**

No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project /Cat. 1(a) B1 (13212)/2019-20 Jaipur, Dated:

**Copy to following for information and necessary action:**

1. Secretary, Ministry of Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-1 10003.
2. Principal Secretary, Environment Department, Rajasthan, Jaipur.
3. Sh. R.K. Meena, IAS (Retd.), B-75, Shankar Vihar, 50 Feet Gaitore Road, Sawai Gaitor, Jaipur
4. Dr. Anil Kumar Goel IFS (Retd.), Forest Colony, Sector 4, Jawahar Nagar, 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 Pollution Control Board, Jaipur.
6. Sh Rajesh Thakuriya, Member Secretary, SEAC Rajasthan.
7. The CCF, Regional Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5<sup>th</sup> Floor, Sector 'H', Aliganj, Lucknow-226 020.
8. Environment Management Plan- Division, Monitoring Cell, Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003.
9. Sh. Jagbir Singh Manral, ACP, Department of Environment, Government of Rajasthan, Jaipur with the direction to upload the copy of this Environment Clearance on the website.

  
**M.S. SEIAA (Rajasthan)**