



ENVIRONMENTAL PROTECTION AGENCY

GOVERNMENT OF SINDH

Plot # ST-2/1, Sector 23, KIA, Karachi-74900

Ph: 5065950, 5065598, 5065637

5065532, 5065946, 5065621

epasindh@cyber.net.pk

Facsimile: 5065940

Dated: 26-04-2024

SUBJECT: DECISION ON ENVIRONMENTAL IMPACT ASSESSMENT (EIA).

1. **Name & Address of Proponent:** Khan Renewable Energy (Private) Limited,
2. **Description of Project:** 22A, 35th Street, Phase 5-Extension, DHA, Karachi
Development of a High Efficiency Waste to Energy Plant which will produce 45 MW of electricity through the incineration of 1500 Tons of Waste per day for Construction Phase only.
3. **Location of Project:** Immediately Adjacent to the Jam Chakro Landfill site, Gadap Town, Karachi
4. **Date of Filing of EIA:** 21-03-2024
5. After careful review and analysis of the Environmental Impact Assessment report, Sindh Environmental Protection Agency (SEPA) accords its approval subject to the following conditions:
 - i) that, all mitigation measures recommended in EIA report and incorporated in project design must be implemented in project planning, construction, and execution for eliminating and/or reducing impacts on physical, biological, environmental, and socio-economic resources and features of the project area.
 - ii) That, monitoring of environmental and social parameters will be done as per EMP which would comply with Sindh Environmental Quality Standards (SEQS) for entire project. The proponent will appoint an Independent Monitoring Consultant (IMC) whose responsibility will be to monitor the compliance of Environmental Monitoring Plan as laid down in EIA. The IMC will ensure that the activities at project sites are undertaken in environment friendly manner and the mitigation measures are implemented as per the recommendations of EIA. Proponent will be liable to submit *quarterly* monitoring reports produced by IMC to EPA Sindh. The report will include implementation of EMP and analysis reports along with photographic records showing therein the environmental and social conditions at Project site;

- iii) That, all mitigation measures recommended in EIA report will be complied with, for achieving negligible impacts on physical, biological, environmental and socio-economic resources at project site. Sindh Environmental Quality Standards (SEQS) for ambient air quality, noise, drinking water and wastewater will be complied in letter and spirit.
- iv) That, the proponent will take dust control & safety measures to control during the excavation/construction phase.
- v) The proponent will ensure proper landscaping /restoration of site after completion of the project as per commitment in EIA.
- vi) The spoil /construction material will be piled/stored in such a way that it will not destroy the flora / environment/movement of resident locally.
- vii) The proponent shall ensure that no unfortunate incident(s) are caused due to construction and operation of project. The cost of damage to the environment, property or life of the people/ workers shall lie on the proponent.
- viii) The construction noise shall be monitored on regular basis and night construction work shall not be allowed. Noise producing machinery shall be subjected to regular maintenance and provided with noise control devices to minimize noise levels as much as possible.
- ix) That, Camping Sites shall be located at suitable distance away from any settlement to avoid disturbance to local people. Sewage generated from camping sites shall be treated in septic tanks.
- x) That, campsite wastewater will not be released into any surface area or water body until it meets the SEQS limits. It will be treated in septic tanks and soak pits;
- xi) Soak pits shall be built in absorbent soil and located atleast 100 m away from a surface water source or a groundwater well;
- xii) That the proponent will arrange trainings to each worker about his/her role and responsibilities in construction & operational phase at plant for the success of project.
- xiii) That the proponent will ensure to provide & usage of personnel Protective Equipments from the workers.
- xiv) That, storage and handling of material including equipment's, fuels etc., will be in accordance with international safety standards. Fuels, oils and other chemicals should be handled in such a manner to avoid spills and leakage.
- xv) A contingency plan will be developed by the proponent to immediately encounter any mishap, fire, medical emergency etc. and should be in place 24 hours a day to handle any type of emergency, all environment and safety instructions will be displayed in bold, at a number of places of the operating sites. Warning boards will be erected at appropriate places. The 24-hour emergency response team should have plans to cater for any emergency;
- xvi) Contact details for emergency must be clearly displayed over multiple places to the workers/locals to inform to the concerns.
- xvii) All fuel and oil storage areas should have a concrete pad underneath to prevent soil contamination in case of leaks or spills. Fuel and oil storage areas should have secondary containment in the form of concrete or brick masonry bunds. The volume of

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- the containment area should be equal to at least 125% of the total volume of fuel or oil stored;
- xviii) A robust spill response and contingency plan will be implemented at all working sites where oil and hazardous chemicals are used.
 - xix) For the disposal of any hazardous waste material; the proponent will be bound to dispose off as per Hazardous Substance Rules defined in SEP Act 2014;
 - xx) That, the proponent will install pollution control equipment/ device/ mechanism for treatment of air pollutant, control of noise for the purpose of compliance of Sindh Environmental Quality Standards (SEQS);
 - xxi) That, noise levels due to operation of generators, compressors and other equipment will be monitored, mapped and recorded. Generators & compressors will be provided with appropriate sound barriers to mitigate the noise levels. Best available techniques should be used to minimize the noise impacts from project activities;
 - xxii) That, Proponent will take strict precautions against emergency situation, which may occur naturally like heavy rain, flood etc. The natural drainage of the area will never be obstructed or diverted;
 - xxiii) The proponent will ensure that strict and efficient health & safety measures are in place for protection of workers backed by a competent HSE professionals and comprehensive emergency response system while working on site/super structure
 - xxiv) That, the proponent will adopt appropriate procedure for management of ash generated from the incineration plant as per the recommendations of the EIA report.
 - xxv) Majority unskilled and to the extent possible skilled jobs will be given to locals after providing them proper training.
 - xxvi) That, all social and conflicting issues (if any) must be settled before commencing the construction of the proposed project activities.
 - xxvii) That, after completion / demobilization of each activity, complete restoration activities will be undertaken of the sites located will be responsibility of the **proponent**. For this purpose, documentation, (Photographs) will be kept on record. All equipment and machinery will be demobilized. All concrete structures will be broken and transported out. All emptied pits at the project site will be backfilled. All slopes, destabilized due to activity, will be stabilized;
 - xxviii) That, the local people will be provided with community welfare schemes i.e., drought relief programs, educational programs, and establishment of health units, veterinary/livestock care unit etc., which should benefit them and develop mutual trust. Sustainability of these facilities should be ensured;
 - xxix) That the proponent shall ensure proper Firefighting arrangements at their facility. For all engineering designs, NFPA (National Fire Protection Association) codes shall be followed. Standard fire and smoke detection and protection devices such as alarms, sprinklers, fire hoses and hydrants shall be provided as deemed necessary.
 - xxx) That, all conflicting issues must be settled before commencing the proposed and associated activities. The proponent will adhere to the commitments made in EIA and Environmental Management Plan (EMP);

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- xxxi) That the proponent shall be exclusively responsible for information provided through EIA request as required under Law for its approval. If any such violation of the Rules/Laws in approval shall stand cancelled without any further notice.
- xxxii) That, the proponent will facilitate EPA Officer(s)/Official(s) as and when required for inspection of compliance status against the provisions of Sindh Environmental Protection Act, 2014, rules and regulations framed there under and the conditions laid down in this approval.
6. This approval is accorded for the construction & operational phase of the project.
 7. Any change in the approved project will be communicated to Sindh EPA, and will be commenced after obtaining the approval
 8. This approval will be treated as null and void if the conditions mentioned in this approval are not complied with or any violation of SEP Act, Rules, Regulations, Guidelines and instructions there under is committed by the proponent or his/her agent or employee.
 9. The proponent shall be liable for compliance of Sindh Environmental Protection Agency (Environmental Assessment) Regulations 2021, which direct for condition for approval, confirmation of compliance, entry inspection and monitoring.
 10. The proponent will be liable for compliance of Section 11, 12, 13, 14, 17, 19 & 20 of Sindh Environmental Protection Act 2014.
 11. The proponent will be liable for compliance of Section 14, 15, 16, 17 and 19 of Environmental Assessment Regulation 2021, which direct for condition for approval, confirmation of compliance, entry inspection and monitoring.
 12. This approval does not absolve the proponent of the duty to obtain any other approval from relevant authorities or consent that may be required under any law in force.
 13. No violation of any regulations, rules, instruction and provision of SEP Act, 2014 will be made and in case of any such violation of the rules / laws in the approval will stand cancelled without any further notice.
 14. This approval shall not absolve the proponent of the duty to obtain any other approval or consent that may be required under any Law in force.
 15. This approval can be withdrawn at any time without any prior notice if deemed necessary in the Public/ National interest
 16. That, this approval is not valid for any Court matter / land dispute.

This is issued with the approval of competent authority, i.e., Director General, Sindh EPA.


Deputy Director (Tech)
for Director General, Sindh EPA
26-04-2024

Copy for information to:

1. P.S to Director General, Sindh EPA, Karachi.
2. Director (Natural Resources), Sindh EPA, Karachi.
3. Concern District Incharge, Sindh EPA, Karachi.
4. Office copy.