

ANNEX F: PAKISTAN EPA APPROVAL FOR DCL

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Reference No. EPA/2004/10/26/EIA/35/55/05

OFFICE OF THE DIRECTOR GENERAL
ENVIRONMENTAL PROTECTION AGENCY
GOVERNMENT OF SINDH
EPA COMPLEX
Plot # ST-2/1, Sector-23, Korangi Industrial Area, Karachi.

Dated: 26th January, 2005

Mr. Haseeb Khan,
Director,
DHA Cogen Limited (DCL),
D-35, Block 5, Clifton,
Karachi.

Subject: APPROVAL OF ENVIRONMENTAL ASSESSMENT REPORT OF
DHA COGEN LIMITED - POWER PLANT OF 94 MW AND
CONSTRUCTION OF 3 MGD DESALINATION PLANT.

Please refer your letter dated January 4, 2005 addressed to the Director General, Environmental Protection Agency, Sindh on the above quoted subject.

This office has examined the justifications stated in your letter for consideration of report as an IEE in accordance to the EIA/IEE Regulation 2000. After having vetted the said regulations and as per consent of Federal EPA the Project is reviewed under Schedule 1 of Initial Environmental Examination (IEE)/Environmental Impact Assessment (EIA) Regulations 2000.

Enclosed please find the decision on IEE of the proposed project.

(Naeem Ahmed Mughal)
Deputy Director (EIA)

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Reference No. EPA/2004/10/26/EIA/35/55/05

OFFICE OF THE DIRECTOR GENERAL
ENVIRONMENTAL PROTECTION AGENCY
GOVERNMENT OF SINDH
EPA COMPLEX
Plot # ST-2/1, Sector-23, Korangi Industrial Area, Karachi.

Dated: 26th January, 2005.

SUBJECT: DECISION ON INITIAL ENVIRONMENTAL EXAMINATION (IEE)

1. Name & Address of Proponent: DHA Cogen Limited, D-35, Block-5 Clifton Karachi.
2. Description of Project: Construction of 94 MW natural gas fired power plant and 3MGD desalination plant.
3. Location of Project: Plot No. DSL-1, Defence Housing Society, Phase VIII, Karachi.
4. Date of Filling of IEE: 23-10-2004.
5. After the careful review of the IEE, the Environmental Protection Agency, Government of Sindh, has decided to accord its approval, subject to the following conditions:-

- i) The M/s. Defence Housing Authority (DHA) Cogen Limited (DCL) hereinafter referred as proponent shall comply National Environment Quality Standards (NEQS) for industrial wastewater and air emissions from the thermal power plant and proposed desalination plant. The power plant shall only be operated by natural gas as fuel. No other standby fuel shall be used. In case of using any alternative fuel, assessment of impacts on environment shall be carried out and provided to EPA, Sindh for decision in the matter.
- ii) Brine generated from desalination plant shall be re-discharged into the sea at an optimum design distance without addition of any chemical/pollutant so that it is diluted and Total Dissolve Solid (TDS) contents in the particular area of the sea is not increased to any extent. The blow down of the power plant should be monitored before its disposal into the sea. In case of presence of any trace metals appropriate mitigation measures must be adopted.
- iii) Low NOx burners shall be installed to reduce the NOx emissions within the permissible levels of NEQS.

- iv) World Bank standards for noise levels shall be implemented in order to minimize noise impact of the proposed project. For this purpose an appropriate buffer shall be kept across the boundary of the project for the purpose of extensive plantation at the northern direction of the site.
- v) An optimum stack height shall be designed to minimize the aesthetic impacts in the surrounding area.
- vi) The proponent shall comply self-monitoring and reporting tool during the operation phase of the project. A quarterly report for the priority parameters of air emissions (CO, NOx) shall be submitted to EPA Sindh. A quarterly report for the priority parameters of liquid effluent (effluent flow, temperature, pH, TSS, Oil & grease) shall also be submitted to EPA, Sindh.
- vii) A separate IEE for laying of gas pipeline transporting gas to the plant shall be submitted to EPA, Sindh. Similarly an IEE for installation of grid and high-tension electricity transmission lines shall also be conducted. This should be made as part of the agreement being made with the organizations providing the gas supply to the plant and the organization responsible for purchasing electricity of the power plant.
- viii) Monitoring of ambient air quality at the plant boundary and 500 meter radius shall be conducted on monthly basis for CO and NOx parameters during operation of the plant, in order to observe incremental impact of the plant. The results shall be annexed with the quarterly monitoring reports.
- 6) This approval shall be treated as null and void if the conditions, mentioned in para 5 above, are not complied with.
- 7) The proponent shall be liable for compliance of Section 13, 14, 17 and 18 of EIA/IEE regulation 200, which direct for condition for approval, confirmation of compliance, entry, inspection and monitoring.
- 8) The approval accorded hereby is only for the project activity described in the IEE report separate IEE shall be submitted for any expansion in the project.
- 9) This approval does not absolve the proponent of the duty to obtain any other approval or consent, that may be required under any law in force.



Shafique Ahmed Khoso
Director General.