

General Points:

- i. Category of project indicated according to the Schedule of IEE/EIA Regulations, 2000 with main & sub-category.
- ii. Nature of area as per master plan of LDA Lahore/TMA/Municipality?
- iii. Land-use clearance from building control authority i.e. LDA/local Council.
- iv. Backup electricity source? Details of generators and boiler installation, capacity, fuel, air pollution, noise control measures, water requirement, and ash collection and disposal mechanism.
- v. Detail and specifications of all air pollution control devices?
- vi. Water balance; it shall inter alia include water quality and Quantity; sources of water, final disposal of municipal and process water (attach NOC from Concerned TMA/WASA for extraction of groundwater and payment of aquifer charges).
- vii. Solid waste disposal; it shall inter alia include quantification of solid waste its disposal mechanism (attach Contract with the relevant body) Also mention location and specifications of intermediate disposal site
- viii. Liquid waste treatment; it shall inter alia include technical specifications and design of waste water treatment mechanism. Submit Undertaking that the project will allocate sufficient land for WWTP and shall install proper WWTP.
- ix. Custodian of wastewater disposal drain at proposed site? Where wastewater will be disposed off? NOC from relevant department/Irrigation department.
- x. Status of litigation against the project must be submitted.
- xi. Details about involvement of stakeholders for public consultation for subject project are missing in report. Provide written feedback of socioeconomic survey.
- xii. Landscaping & tree plantation plan (number and location of plants/species) along with allocation of funds.
- xiii. Budget for implementation of Environmental Management Plan.
- xiv. Firefighting plan (Number and Point of installation) and Emergency Evacuation Plan (highlight emergency exits in building).
- xv. Emergency exits details, Emergency preparedness plan along with PPES details?
- xvi. Provide details of rain water harvesting structure/system installed by the unit to recharge the ground water.

Sector Specific Information/documents		
Category	Projects	Requirements
A	Agriculture, Livestock and Fisheries <ul style="list-style-type: none"> • Poultry Farms • Dairy Farms • Fish Farms • Agriculture products warehouse 	<ul style="list-style-type: none"> i. The minimum distance from nearby settlement and poultry farm must be 500m as per Poultry Guidelines. ii. No. and direction of ventilation fans and must not be towards human settlements. iii. Fate of poultry litter waste/dead birds pits/blood/fats? iv. Specifications of storage area, material to be stored, capacity? v. Measures to control smell and odor from the proposed project? vi. License of Punjab Food Authority & PSQCA. vii.
B	Energy <ul style="list-style-type: none"> • Power plants • Transmission lines • Oil and Gas storage/transmission • Waste to Energy 	<ul style="list-style-type: none"> i. NOC from OGRA/Petroleum Company for installation of Oil Refinery. ii. Submit the NOC from Civil defence and Energy department. iii. Compliance of Standards of OGRA vide SRO No. 624 (I)/2009 adopted API RI 1615 for installation of underground oil storage tanks. iv. Measures for Grid Stations and Transmission Lines v. Measures for ground water contamination control in Oil and gas extraction and transmission. vi. Emergency leakage and spillage control plans. vii. Air Pollution Modelling in case of power plant
C	Manufacturing and processing <ul style="list-style-type: none"> • Food Processing • Textiles • Chemicals • Cement • Tannery • Plastics 	<ul style="list-style-type: none"> i. Green/eco-friendly technologies to be adopted ii. Capacity of the Project, source & quantification of raw materials, product details and waste materials (during construction & operational phase) iii. Process flow diagram clearly showing the inflows & outflows of materials (mass balance), points of discharge to the environment and their respective destinations (sewer, storm water, atmosphere, recycling, landfill, and storage). iv. Source of heating in manufacturing process? v. Details of machinery to be installed for the proposed production? vi. Details of storage, MSDS of any chemicals, dyes,

		<p>additives and hazardous, used as raw material or manufactured in the project?</p> <p>vii. Provide specifications of all air pollution control devices installed by the unit.</p> <p>viii. Waste Water Treatment technology?</p> <p>ix. Treatment and disposal of contaminated sludge (chromium) of effluent treatment? Especially in Tanning and leather finishing projects.</p> <p>x. Spillage control plan?</p> <p>xi. Undertaking that no dyeing and printing will be performed in the unit (for the apparel units).</p> <p>xii. Source and quantity of water required for the project operation especially for beverage units, cement plants? Permission of local council for extraction of ground water.</p> <p>xiii. Details of heat recovery system (if installed)?</p> <p>xiv. Measures for production of safe quality/hygienic end products.</p> <p>xv. Hazards and risk associated with recycling of plastic, lead acid batteries, compressors, chemicals, Fertilizer plants, Pesticides, etc.</p> <p>xvi. NOC from PSQCA that cosmetic cream does not contain hazardous cosmetics (cosmetic projects).</p> <p>xvii. NOC/Registration Certificate of Agricultural department/plant protection department for pesticide manufacturing.</p> <p>xviii. Cumulative impact assessment for Industrial estates (including export processing zones)</p>
<p>D</p>	<p>Mining and mineral processing</p> <ul style="list-style-type: none"> • Mining • Crushing • Smelting 	<p>i. Mode of excavation?</p> <p>ii. Threshold limits of the extraction?</p> <p>iii. Colored Maps of Google Earth (A3/A2 size) indicating the proposed project area and distances from nearby residential areas, water body (any other), road network (highway) & sensitive receptors</p> <p>iv. Details of sensitive receptors present in vicinity of proposed project area accordingly provide details of buffer distance to be maintained around those receptors</p> <p>v. Nature of area of each block/zone as per record of Local Council</p> <p>vi. Undertaking with following statements:</p> <p style="padding-left: 40px;">a. No dredger shall be used for excavation</p>

		<p>purpose.</p> <p>b. Thick vegetation shall not be damaged/cut</p> <p>c. Issues regarding land acquisition (if any) shall be settled prior to excavation work on priority basis.</p> <p>vii. Specifications and legible drawings of furnace in case of smelting process, source of ignition</p> <p>viii. Control measures for particles and metal dust generated.</p> <p>ix. Measures to control dust emissions of crushers (in crushing and grinding units)?</p> <p>x. Submit the NOC from Explosive department (in case of blasting).</p> <p>xi. Restoration and Rehabilitation Plan that how subject site will be restored after excavation?</p> <p>xii. Best management practices in terms of land use change, soil erosion, over burden disposal and run-off management.</p> <p>xiii. Measures during mining of processing of coal, gold, copper, sulphur and precious stones.</p> <p>xiv. Mine closure plane.</p>
E	Transport	<p>i. Measures for proper management of traffic congestion and movement of people during constructional phase of project?</p> <p>ii. Provision of sewerage/drainage structure for the flow of rain/flood water.</p> <p>iii. Undertaking that project will not disturb or damage any house/heritage building/Flora and Fauna.</p> <p>iv. Map showing the diversions routes, construction camps and ROW.</p> <p>v. No. of trees to be cut during the constructional phase of the project? Tree plantation plan?</p> <p>vi. NOC to NHA/relevant authority may be provided.</p> <p>vii. Infrastructure and peoples will be relocated and disturbed from the project?</p> <p>viii. Land acquisition and Rehabilitation plan?</p> <p>ix. Specific measures for development of Airports, railway works and Ports and harbor development?</p>
F	Water management, dams, irrigation and flood protection	<p>i. Biodiversity conservation plan with respect to upstream restrictions of fish population and habitat fragmentation.</p> <p>ii. Effects from downstream water quality and</p>

	<ul style="list-style-type: none"> • Dams/Water Reservoir • Irrigation System 	<p>quantity in dams and reservoirs.</p> <p>iii. Water conservation measures in irrigation and drainage projects.</p>
G	<p>Water supply and treatment</p> <ul style="list-style-type: none"> • Water Supply • Water treatment 	<p>Drinking water lines are usually laid above sewerage system, so chance of contamination/mixing will be minimal.</p> <ol style="list-style-type: none"> i. Rational of proposed project in comparison with existing system (Drinking Water, waste water, storm water). ii. Expected life of this project. iii. Assimilation capacity/carrying capacity of the drain in which wastewater will be disposed-of finally. iv. Excavated material storage and pits back filling plan along with details of budget allocated for said purpose. v. Land acquisition issues. vi. Leakage/contamination control measures. vii. Mechanism for periodic cleaning/Maintenance issues viii. Details of chemicals to be used in treatment with their daily consumption rate? ix. Sludge collection and disposal mechanism.
H	<p>Waste Disposal</p> <ul style="list-style-type: none"> • Domestic Waste • Industrial Waste • Hazardous Waste 	<ol style="list-style-type: none"> i. Capacity of the project? ii. Collection, storage, and disposal of hazardous hospital waste. iii. Specifications of vehicles to be used for transportation. iv. Undertaking that incinerator shall be installed in accordance with the hospital standards (Environmental Quality) for treatment of liquid and disposal of bio-medical waste by incineration, autoclaving, microwaving, and deep burial vide No. SO(G)/EPD/7-26/2013, dated 05-08-2016. v. Undertaking that hazardous material will not be stored, segregated and handled in the scrapyard (in case of Non-Hazardous Scrap). vi. Dismantling, de-gas, segregation details (related to project) vii. Details of transportation of hazardous and non-hazardous chemicals? viii. Measures will be adopted to control/mitigate

		<p>VOCs/chemicals fumes generated in storage area?</p> <p>ix. Geo-technical membrane, leachate treatment mechanism, biogas collection and usage, landfilling methods, rehabilitation plans in landfill sites.</p>
I	<p>Urban development and tourism</p> <ul style="list-style-type: none"> • Housing Schemes • Public Facilities • Urban Development Projects 	<p>i. Preliminary planning permission from concerned Authority.</p> <p>ii. Earmarked the location of WWTP on approved layout map.</p> <p>iii. Solid waste collection and disposal mechanism.</p> <p>iv. Requirement of drinking water?</p> <p>v. Compliance of section-42 of Punjab Private Housing Schemes and Land Sub-Division Rules, 2010.</p> <p>vi. Undertaking that the project will allocate sufficient land for WWTP and shall install proper WWTP.</p> <p>vii. Undertaking that no case/ litigation is pending in NAB regarding subject project.</p> <p>viii. Approval of municipality for disposal of wastewater.</p> <p>ix. Height of the building? Height clearance NOC for commercial buildings.</p> <p>x. Letter of commercialization?</p> <p>xi. No. of beds, details of cold storage room, implementation of PHWMR, 2014, incinerator details in case of hospitals?</p> <p>xii. Measures to control development of urban heat islands in planning of large cities.</p> <p>xiii. Land use plan with respect to urbanization and provision facility</p>
J	Environmentally Sensitive Areas	<p>Permission of concerned authorities regarding construction in/near protected (National parks, wild life sanctuaries, wet lands, game reserves, reserve forests) areas and archaeological sites, monuments.</p>