Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
Air Quality Impact					
Construction Impact				-	
Representative existing residential and community uses within 500m from the boundary of the Project Site	<ul> <li>TSP</li> <li>The highest 1-hr average conc: 155 – 1731 μg/m<sup>3</sup></li> <li>RSP</li> <li>10<sup>th</sup> highest 24-hr average conc: 73 – 119 μg/m<sup>3</sup></li> <li>Annual average: 30 – 51 μg/m<sup>3</sup></li> <li>TSP</li> <li>19<sup>th</sup> highest 24-hr average conc: 40 – 49 μg/m<sup>3</sup></li> <li>Annual average: 17– 21 μg/m<sup>3</sup></li> </ul>	<ul> <li>Annexes 4 and 12 of the EIAO- TM <u>TSP</u> 1-hr average conc.: 500 µg/m<sup>3</sup></li> <li>New Air Quality Objectives (AQOs) and Legislative Council Brief Air Pollution Control (Amendment) Bill 2021 (March 2021) <u>RSP</u></li> <li>24-hr average conc.: 100 µg/m<sup>3</sup> (Number of exceedances allowed: 9)</li> <li>Annual average conc.: 50 µg/m<sup>3</sup> <u>FSP</u></li> <li>24-hr</li> </ul>	<ul> <li><u>TSP</u></li> <li>The highest 1-hr average conc: Exceedances of EIAO-TM criterion up to 1231 µg/m<sup>3</sup></li> <li><u>RSP</u></li> <li>10<sup>th</sup> highest 24-hr average conc: Exceedance of AQO up to 19 µg/m<sup>3</sup></li> <li>Annual average: Exceedances of AQO up to 1 µg/m<sup>3</sup></li> <li><u>Annual average:</u> Exceedance was predicted</li> <li>Annual average: No exceedance was predicted</li> <li>Annual average: No exceedance was predicted</li> </ul>	<ul> <li>Dust suppression measures and good site practices</li> <li>Use of regular watering to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather.</li> <li>Use of frequent watering for particularly dusty construction areas and areas close to ASRs.</li> <li>Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines.</li> <li>Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.</li> <li>Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.</li> <li>Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.</li> <li>Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading area of barging point, and use of water sprinklers at the loading area where dust generation is likely during the</li> </ul>	No adverse residual impacts anticipated

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
		average conc.: 50 µg/m <sup>3</sup> (Number of exceedances allowed: 18) • Annual average conc.: 25 µg/m <sup>3</sup>		<ul> <li>loading process of loose material, particularly in dry seasons/ periods.</li> <li>Provision of not less than 2.4m high hoarding from ground level along site boundary where adjoins a road, streets or other accessible to the public except for a site entrance or exit.</li> <li>Imposition of speed controls for vehicles on site haul roads.</li> <li>Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs.</li> <li>Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise.</li> </ul>	
Operation Impact					
Existing and planned residential and education institution uses within 500m from the boundary of the Project Site	FSP         • 19th highest 24-hr average conc: 40.4         - 42.5 μg/m³         • Annual average: 16.7 – 17.8 μg/m³         • Mighest 24-hr average conc: 73.1         - 76.0 μg/m³         • Annual average: 28.6 – 29.8 μg/m³         • Mighest 1-hr average conc.: 107.1         - 178.5 μg/m³         • Annual average conc.: 21.8 – 37.3 μg/m³	New AQOs and Legislative Council Brief Air Pollution Control (Amendment) Bill 2021 (March 2021) <u>FSP</u> • 24-hr average conc.: 50 µg/m <sup>3</sup> (Number of exceedances allowed: 18)	No exceedance was predicted.	No mitigation measure is required.	<ul> <li>No adverse residual impacts anticipated</li> </ul>

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	<ul> <li><u>SO2</u></li> <li>4<sup>th</sup> highest 10-minute average conc.: 52.8 – 127.5 μg/m<sup>3</sup></li> <li>4<sup>th</sup> highest daily average conc.: 14.8 – 18.7 μg/m<sup>3</sup></li> <li><u>Odour</u></li> <li>Max 5-second average conc: 0.0 – 2.2 OU/m<sup>3</sup></li> </ul>	Annual average conc.: 25 µg/m <sup>3</sup> <u>RSP</u> • 24-hr average conc.: 100 µg/m <sup>3</sup> (Number of exceedances allowed: 9) • Annual average conc.: 50 µg/m <sup>3</sup> <u>NO2</u> • 1-hr average conc.: 200 µg/m <sup>3</sup> (Number of exceedances allowed: 18) • Annual average conc.: 40 µg/m <sup>3</sup> <u>SO2</u> • 10-minute average conc.: 500 µg/m <sup>3</sup> (Number of exceedances allowed: 3) • Daily			

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
		average conc.: 50 µg/m <sup>3</sup> (Number of exceedances allowed: 3) <u>Odour</u> • Max 5- second average conc: 5 OU/m <sup>3</sup>			
Noise Impact					
Construction Impact					
Representative existing residential developments within 300m from the boundary of the Project Site	No Noise Sensitive Receivers within 300m has been identified.	<ul> <li>Annexes 5 and 13 of the EIAO- TM</li> <li>Leq<sub>(30</sub> min) 75dB(A) at 1m from the façade of residential dwellings</li> </ul>	N/A	<ul> <li>Use of quiet powered mechanical equipment</li> <li>Use of temporary movable noise barrier, noise insulating fabric and ventilated noise enclosure</li> <li>Good site practices         <ul> <li>Only well-maintained plant should be operated on site and plant should be serviced regularly.</li> <li>Silencers or mufflers on construction equipment should be utilized and should be properly maintained.</li> <li>Mobile plant should be sited as far away from sensitive uses as possible.</li> <li>Machines and plant that may be in</li> </ul> </li> </ul>	No adverse residual impacts anticipated

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				<ul> <li>intermittent use should be shut down between works periods or should be throttled down to a minimum.</li> <li>Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that noise is directed away from the nearby sensitive uses.</li> <li>Material stockpiles and other structures should be effectively utilized to screen noise from on- site construction activities.</li> </ul>	
<b>Operation Impact</b>					
Representative existing and planned residential developments within 300m from the boundary of the Project Site	No Noise Sensitive Receivers within 300m has been identified.	<ul> <li>Fixed Noise</li> <li>Annexes 5 and 13 of the EIAO- TM</li> <li>IND-TM under Noise Control Ordinance</li> <li>Leq (30-min) 49 dB(A) during day and evening time</li> <li>Leq (30-min) 45 dB(A) during night-time for existing sensitive receivers</li> <li>Leq (30-min) 47 dB(A) during night-time for planned</li> </ul>	N/A	Fixed Noise     Nil.	<ul> <li>No adverse residual impacts anticipated.</li> </ul>

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
		sensitive receivers			
Water Quality Impact					
Construction Impact					
Representative water sensitive receivers, such as the natural streams and nullah in the vicinity of the Project and within 500m from the boundary of the Project.	<ul> <li>Potential water quality impact associated with the construction phase include:</li> <li>Wastewater from general construction activities;</li> <li>Construction site run-off;</li> <li>Construction works in close proximity to inland water;</li> <li>Groundwater from contaminated areas, contaminated site run-off and wastewater from land decontamination;</li> <li>Accidental spillage of chemicals; and</li> <li>Sewage from construction workforce.</li> </ul>	<ul> <li>Annexes 6 and 14 of the EIAO- TM</li> <li>Water Quality Objectives for the Deep Bay WCZ and North Western WCZ</li> <li>Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM- DSS)</li> <li>Practical Note for Professional Persons (ProPECC) PN 1/94</li> <li>Environmental, Transport and Works Bureau (ETWC) Technical</li> </ul>	• N/A	<ul> <li>Mitigation measures and good site practices in ProPECCPN 1/94 "Construction Site Drainage"</li> <li>Precaution measures in ETWB Technical Circular (Works) No. 5/2005</li> <li>Waste Disposal Regulation;</li> <li>Provision of interim treatment facilities, such as chemical toilets, for construction workforce</li> </ul>	No adverse residual impacts anticipated

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
Operation Impact Representative water sensitive receivers.	Potential water quality impact associated with the operation phase include:	Circular (Works) No. 5/2005 Hong Kong Planning Standards and Guidelines Annexes 6 and 14 of the FIAO-	• N/A	<ul> <li>Precautionary design measures including dual power supply and</li> </ul>	<ul> <li>No adverse residual impacts anticipated</li> </ul>
such as the natural streams and nullah in the vicinity of the Project and within 500m from the boundary of the Project.	<ul> <li>Non-point source surface run-off from new impervious areas;</li> <li>Project effluent discharge;</li> <li>Emergency discharge;</li> <li>Treated effluent reuse;</li> <li>Transportation of organic waste;</li> <li>Wastewater from sludge treatment; and</li> <li>Chemical spillage.</li> </ul>	<ul> <li>Water Quality Objectives for the Deep Bay WCZ and North Western WCZ</li> <li>Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM- DSS)</li> <li>Practical Note for Professional Persons (ProPECC) PN 1/94 and 5/93</li> </ul>		<ul> <li>Including ddal power suppry and standby units to avoid emergency bypass from the HSKEPP</li> <li>Emergency Response Plan to deal with the case of equipment or sewage treatment failure</li> <li>Regular maintenances and inspections to all treatment units, penstocks and plant facilities are necessary to maintain a good operation condition</li> <li>Best Storm Water Management Practices and Storm Water Pollution Control Plan to reduce non-point source pollution.</li> <li>Adequate design in drainage system within the site which take into account the guidelines in ProPECC PN 5/93.</li> <li>Proper storage of chemicals</li> </ul>	
Waste Management In	nplications				

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
Construction Impact					
C&D materials, chemical wastes and general refuse	<ul> <li>Around 32,000 m<sup>3</sup> of non-inert C&amp;D materials and 324,000 m<sup>3</sup> of inert C&amp;D materials would be generated during the construction phase of the Project. 74,800 m<sup>3</sup> of inert C&amp;D material would be reused on site while the remaining 249,200 m<sup>3</sup> of surplus inert C&amp;D material would be recycled or transported to PFRFs for beneficial reuse in other projects. Non-inert C&amp;D waste would be recycled as far as possible before disposed to landfill.</li> <li>Small quantity of chemical wastes in the order of a few cubic metres per month will be generated from plant operations and maintenance, maintenance of mechanical equipment and demolition of existing administration building.</li> <li>Around 260 kg per day of general refuse would be generated from construction works and on-site staff and workers.</li> </ul>	<ul> <li>Annexes 7 and 15 of the EIAO- TM</li> <li>Waste Disposal Ordinance (Cap. 354)</li> <li>Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354C)</li> <li>Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 354N)</li> <li>Land (Miscellaneous Provisions) Ordinance (Cap. 28)</li> <li>Public Health and Municipal Services Ordinance (Cap. 132BK) – Public Cleansing and Prevention of Nuisances</li> </ul>	• N/A	<ul> <li>Implementation of good site practices, waste reduction measures and proper handling, storage, collection, transportation and re-use/disposal of waste</li> </ul>	No adverse residual impact anticipated

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
		Regulation			
Operation Impact					
Screening & grits, dewatered sludge, chemical wastes and general refuse	<ul> <li>Small quantity of chemical wastes in the order of a few cubic metres per month will be generated from maintenance of facilities and equipment</li> <li>Around 97.5 kg per day of general refuse will be generated from on-site staff and office activities</li> <li>The estimated quantity of screening and grits generated at the inlet works with preliminary treatment would be up to 5 m<sup>3</sup>/day</li> <li>About 104 wet tonnes per day of dewatered sludge would be generated by the operation of HSKEPP</li> </ul>	<ul> <li>Annexes 7 and 15 of the EIAO- TM</li> <li>Waste Disposal Ordinance (Cap. 354)</li> <li>Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354C)</li> <li>Public Health and Municipal Services Ordinance (Cap. 132BK) – Public Cleansing and Prevention of Nuisances Regulation</li> </ul>	• N/A	<ul> <li>Implementation of good site practices, waste reduction measures and proper handling, storage, collection, transportation and re-use/disposal of waste</li> </ul>	No adverse residual impact anticipated
Land Contamination					
Onsite construction workers and future occupants	<ul> <li>4 facilities / areas with land contamination concern within the northern portion of HSKEPP (SWPTW) and 6 potentially contaminated sites within the southern portion of HSKEPP were identified.</li> </ul>	<ul> <li>Annex 19 of the EIAO-TM</li> <li>Guidance Note for Contaminated Land Assessment and Remediation</li> </ul>	• N/A	<ul> <li>A preliminary sampling and testing programme, targeting the identified concerned areas within the proposed HSKEPP site, had been proposed.</li> <li>Site re-appraisal should be conducted for the identified concerned areas prior to development of the sites in order to update findings of the site appraisal (e.g. locations of hotspots) and the</li> </ul>	<ul> <li>With the implementation of the recommended further works for the Project, any soil / groundwater contamination would be identified and properly treated prior to the construction</li> </ul>

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
		<ul> <li>(EPD, 2007)</li> <li>Practice Guide for Investigation and Remediation of Contaminated Land (EPD, 2011)</li> <li>Guidance Manual for Use of Risk-based Remediation Goals for Contaminated Land Management (EPD, 2007)</li> </ul>		sampling and testing requirements for SI works. In addition, re-appraisal would be required for the other remaining areas of the proposed HSKEPP site in order to assess the latest land uses and site conditions. The further works including site re- appraisal for the whole proposed HSKEPP site, associated SI works, any necessary remediation works and submission of supplementary CAP / CAR / RAP / RR are recommended to be carried out prior to commencement of any construction or development works, and would follow the relevant Guidance Manual, Guidance Note and Practice Guide.	works. No insurmountable land contamination impacts to the Project are therefore anticipated.
Ecological Impact (Te	rrestrial)				
Construction Impact					
Sites of conservation importance, DBL mitigation ponds, natural/semi-natural habitats and the associated flora and fauna (inc. species of conservation importance)	<ul> <li>Permanent loss (5.2 ha) of developed area/ wasteland type habitat</li> <li>Indirect impact through noise, dust, vibration, glare and general human disturbance on "Conservation Area", DBL mitigation ponds, man-made/ natural wetland habitats (i.e. natural and modified watercourses, ponds, marsh and wet agricultural land), natural/ semi-natural habitats (i.e. shrubland, mixed woodland and woodland) and associated flora and fauna (including species of conservation importance) located</li> </ul>	<ul> <li>Annexes 8 and 16 of the EIAO- TM</li> <li>EIAO Guidance Notes No. 7/2010 and No. 10/2010</li> </ul>	No exceedances are predicted	<ul> <li>Avoidance of recognised sites of conservation importance as far as possible</li> <li>Control of construction hours to avoid and/or minimise disturbance impact on fauna.</li> <li>Minimise construction disturbances such as noise, glare and dust emission, wastewater run-off, as well as increased human activities, through recommended mitigation measures such as erection of noise and dust</li> </ul>	No adverse residual impact anticipated

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	<ul> <li>adjacent to the proposed HSK EPP</li> <li>Reduced water quality of nearby watercourses, DBL mitigation ponds and other wetland habitats through wastewater run-off</li> </ul>			reducing barriers/ tarpaulins, use of Quality Powered Mechanical Equipment, restriction of work hours, careful scheduling of works, avoidance of prolonged use of heavy machinery, and adherence of good site practise, etc.	
Operation Impact					
Sites of conservation importance, DBL mitigation ponds, natural/semi-natural habitats and the associated flora and fauna (inc. species of conservation importance)	<ul> <li>Disturbance impacts (e.g. dust, noise, glare) to "Conservation Area", DBL mitigation ponds, man-made/ natural wetland habitats (i.e. natural and modified watercourses, ponds, marsh and wet agricultural land), natural/ semi-natural habitats (i.e. shrubland, mixed woodland and woodland) and associated flora and fauna (including species of conservation importance) located adjacent to the proposed HSK EPP</li> <li>Changes in water quality from effluent discharge, surface run-off and in the event of emergency discharge from HSK EPP</li> </ul>	• Same as construction phase	No exceedances are predicted	<ul> <li>Ecological consideration on building height and use of avifauna-friendly materials to minimise potential injury from collision.</li> <li>Implementation of good site practices and mitigation measures (e.g. planting of peripheral screening plants/vertical green, control of glare / lighting) measures</li> </ul>	No adverse residual impact anticipated
Landscape and Visua	al Impacts				
Construction Impact					
Landscape Resources (LRs)	Moderate landscape impact on LR-4.2 Landscape Areas in Open Storage/Rural Built Area	<ul> <li>Annexes 10 and 18 of the EIAO- TM</li> </ul>	• N/A	<ul> <li>Preservation of Existing Vegetation</li> <li>Minimize Disturbance on Watercourses</li> </ul>	Moderate landscape impact on LR-4.2 Landscape Areas in Open Storage/Purel
	• Slight landscape impact on LR-2.2	<ul> <li>Environmental</li> </ul>			Open Storage/Rurar

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
	<ul> <li>Modified Watercourse, LR-3 Vegetation in Roadside Engineered Slopes and LR-4.5 Landscape Area in San Wai STP</li> <li>No discernible change in other LRs identified within the study boundary of the Project</li> </ul>	Impact Assessment Ordinance Guidance Note 8/2010		<ul> <li>Management of Construction Activities and Facilities</li> <li>Reinstatement of Temporarily Disturbed Landscape Areas</li> </ul>	Built Area Slight landscape impact on LR-2.2 Modified Watercourse, LR-3 Vegetation in Roadside Engineered Slopes, and LR-4.5 Landscape Area in San Wai STP
Landscape Character Areas (LCAs)	<ul> <li>Moderate landscape impact on LCA-1 Miscellaneous Rural Fringe Landscape</li> <li>No discernible change in other LCAs identified within the study boundary of the Project</li> </ul>	<ul> <li>Annexes 10 and 18 of the EIAO- TM</li> <li>Environmental Impact Assessment Ordinance Guidance Note 8/2010</li> </ul>	• N/A	<ul> <li>Preservation of Existing Vegetation</li> <li>Minimize Disturbance on Watercourses</li> <li>Management of Construction Activities and Facilities</li> <li>Reinstatement of Temporarily Disturbed Landscape Areas</li> </ul>	Moderate landscape impact on LCA-1 Miscellaneous Rural Fringe Landscape
Visually Sensitive Receivers (VSRs)	<ul> <li>Moderate visual impact on immediately adjacent VSRs who have full overview of the project that cause a noticeable deterioration in existing visual quality (I-02, PO-01, PI-01, PI-02)</li> <li>Slight visual impact on VSRs further away that cause a barely perceptible deterioration in existing visual quality (R-01, I-01, O-01, O-02, T-01)</li> </ul>	<ul> <li>Annexes 10 and 18 of the EIAO- TM</li> <li>Environmental Impact Assessment Ordinance Guidance Note 8/2010</li> </ul>	• N/A	<ul> <li>Preservation of Existing Vegetation</li> <li>Minimize Disturbance on Watercourses</li> <li>Management of Construction Activities and Facilities</li> <li>Reinstatement of Temporarily Disturbed Landscape Areas</li> <li>Control of Night-time Lighting Glare</li> </ul>	<ul> <li>Moderate residual impact on adjacent VSRs who have full overview of the project that causes a noticeable deterioration in existing visual quality (I-02, PO-01, PI-01, PI-02)</li> <li>Slight visual impact on VSRs further away</li> </ul>

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)	
					that cause a barely perceptible deterioration in existing visual quality (R-01, I-01, O-01, O- 02, T-01)	
Operation Impact						
Landscape Resources (LRs)	<ul> <li>Moderate landscape impact on LR-4.2 Landscape Areas in Open Storage/Rural Built Area</li> <li>Slight landscape impact on LR-2.2 Modified Watercourse, LR-3 Vegetation in Roadside Engineered Slopes and LR-4.5 Landscape Area in San Wai STP and LR-5.2 Active Agricultural Land</li> <li>No discernible change in other LRs identified within the study boundary of the Project</li> </ul>	<ul> <li>Annexes 10 and 18 of the EIAO- TM</li> <li>Environmental Impact Assessment Ordinance Guidance Note 8/2010</li> </ul>	• N/A	<ul> <li>Compensatory Tree Planting for Loss of Existing Trees</li> <li>Roadside and Amenity Planting</li> <li>Sensitive and Aesthetically Pleasing Design of Aboveground Structures</li> <li>Provision of Buffer Planting</li> <li>Provision of Green Roof</li> </ul>	<ul> <li>Slight residual impact during day 1 of operation and insubstantial residual impact during year 10 of operation on LR-4.2 Landscape Areas in Open Storage/Rural Built Area</li> <li>Insubstantial residual impact during day 1 and year 10 of operation on other LRs</li> </ul>	
Landscape Character Areas (LCAs)	<ul> <li>Moderate landscape impact on LCA-1 Miscellaneous Rural Fringe Landscape</li> <li>No discernible change in other LCAs identified within the study boundary of the Project</li> </ul>	<ul> <li>Annexes 10 and 18 of the EIAO- TM</li> <li>Environmental Impact Assessment Ordinance Guidance Note 8/2010</li> </ul>	• N/A	<ul> <li>Compensatory Tree Planting for Loss of Existing Trees</li> <li>Roadside and Amenity Planting</li> <li>Sensitive and Aesthetically Pleasing Design of Aboveground Structures</li> <li>Provision of Buffer Planting</li> <li>Provision of Green Roof</li> </ul>	<ul> <li>Slight residual impact during day 1 of operation and insubstantial residual impact during year 10 of operation on LCA-1 Miscellaneous Rural Fringe Landscape</li> <li>Insubstantial residual impact during operation on</li> </ul>	

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
					remaining affected landscape resources.
Visually Sensitive Receivers (VSRs)	<ul> <li>Moderate visual impact on immediately adjacent VSRs who have full overview of the project that cause a noticeable deterioration in existing visual quality (I-02, PO-01, PI-01, PI-02)</li> <li>Slight visual impact on VSRs further away that cause a barely perceptible deterioration in existing visual quality (R-01, I-01, O-01, O-02, T-01)</li> </ul>	<ul> <li>Annexes 10 and 18 of the EIAO- TM</li> <li>Environmental Impact Assessment Ordinance Guidance Note 8/2010</li> </ul>	• N/A	<ul> <li>Compensatory Tree Planting for Loss of Existing Trees</li> <li>Roadside and Amenity Planting</li> <li>Sensitive and Aesthetically Pleasing Design of Aboveground Structures</li> <li>Provision of Buffer Planting</li> <li>Provision of Green Roof</li> <li>Control of Night-time Lighting Glare</li> </ul>	<ul> <li>Moderate residual impact during day 1 of operation and slight residual impact during year 10 of operation on I-02, PO-01, PI-01, and PI-02.</li> <li>Slight residual impact during day 1 of operation and insubstantial residual impact during year 10 of operation on most of the affected visually sensitive receivers. (R-01, I-01, O-01, O-02, T-01)</li> </ul>
Hazard to Life					
Existing, committed and planned population in the vicinity of the Project	• The off-site individual risk level is far below 1×10 <sup>-5</sup> per year and the societal risk falls into the "Acceptable" region	• Annex 4 of the EIAO-TM	• N/A	<ul> <li>No adverse impact is anticipated. Nonetheless, implementation of good safety practices and recommended design measures are recommended. These include:</li> <li>Process plant building should be provided with adequate number of gas detectors distributed over various areas of potential leak sources to provide adequate coverage.</li> </ul>	<ul> <li>No adverse residual impact anticipated</li> </ul>

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				<ul> <li>All electrical equipment inside the building should be classified in accordance with the electrical area classification requirements. No unclassified electrical equipment should be used during operations or maintenance.</li> </ul>	
				<ul> <li>All safety valves should be designed to discharge the released fluid to a safe location and stop misdirection of fluid flows in order to avoid hazardous outcome.</li> </ul>	
				<ul> <li>Safety markings and crash barriers should be provided to the aboveground piping, digesters and gas holders near the entrance.</li> </ul>	
				<ul> <li>Fixed crash barriers should be provided in areas where process equipment is adjacent to the internal roadway to protect against vehicle collision. Adequate warning signage and lighting should also be provided, and maximum speed limit should also be in place.</li> </ul>	
				<ul> <li>Lightning protection installations should be installed following IEC 62305, BS EN 62305, AS/NZS 1768, NFPA 780 or equivalent standards.</li> </ul>	
				<ul> <li>Suitable fire extinguishers should be provided within the site. Suitable firefighting and fire service installations should be provided in appropriate areas, such as around the gasholders, digester and sulphur</li> </ul>	

Sensitive Receivers / Assessment Points	Impact Prediction Results (Without Mitigation)	Key Relevant Standards/Criteria	Extents of Exceedance Predicted (Without Mitigation)	Impact Avoidance Measures / Mitigation Measures	Residual Impacts (After Implementation of Mitigation Measures)
				removal vessels. The facilities should also be equipped with fire and gas detection system and fire suppression system.	
				<ul> <li>Stringent procedures should be implemented to prohibit smoking or naked flames to be used on-site.</li> </ul>	