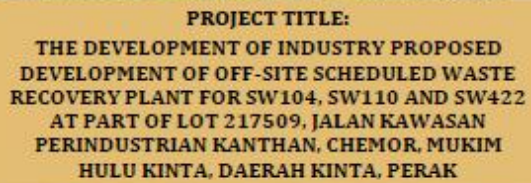


First Schedule – Environmental Impact Assessment (EIA)



中国石化集团有限公司

DING CHUA COPPER INDUSTRY SDN. BHD.
A-7-0-1, Block A.
Megan Salak Park, Jalan 2/125E,
Taman Desa Petaling,
57100 Kuala Lumpur.



ENVIRONMENTAL CONSULTANT
JAYA JAYA CLEANTECH SDN. BHD.
40, Jalan Pertama,
Pusat Perdagangan Danga Utama,
81300 Skudai,
Johor Darul Ta'zim.

Conducted in accordance with Section 34A of the Environmental Quality Act (EQA), 1974.



Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order 2015

First Schedule, Activity 14 – Waste Treatment and Disposal:

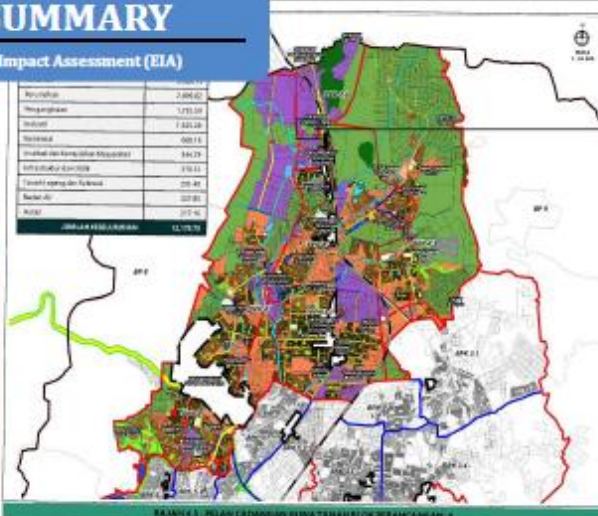
(a) Scheduled Waste: (i) Construction of recovery plant (off-site).

Align with the State Government's strategic development framework, this project in brief aims to meet the following needs:

- To receive SW 104, SW 110, and SW 422 from the local metal recycling facility;
- To recover the valuable material i.e., copper from the SW 104, SW 110, and SW 422 waste streams through environmentally sound practice in recovery processes;
- The recovered product contributes to a reduction of mining activities and metal refining that must be done to cater for the demand of metal stock; and
- The implementation of the recovery facility will also generate other economic benefits, such as creating opportunities for skilled employment and revenue for the state government.

First Schedule – Environmental Impact Assessment (EIA)

- under Blok Perancangan 4 and categorized as main industrial park.

[illegible]

PROJECT LOCATION:

- At part of Lot 217509 with an area of 4.021 hectares (9,936 acres), in which initially a timber wood manufacturing and processing premise owned by UB Framewoods Sdn. Bhd.

- Can be accessed via major road of Jalan Kuala Kangsar 1 (Federal Route 1).

- The proposed project is an off-site facility for the recovery of scheduled waste types SW104, SW110, and SW422.
- Located within an existing industrial zone, the facility will utilize a cupola furnace and is supported by advanced emission control systems including bag filters, electrostatic precipitators, and lime injection systems.
- The plant adopts a zero-discharge water system, relying only on a closed-loop cooling system.

The proposed project site is characterized by relatively flat terrain with slopes $\leq 15^\circ$.

The major land use components within 500 m radius of the proposed project area include industrial zone surrounded by residential areas, agricultural estate (oil palm plantation, aquaculture and crop plantation), water body (Sg. Pari, lake)

Near upstream of Sg. Pari

Located at Quaternary formation that the area consists of clay, slit, sand and gravel that undifferentiated.

This encompasses within industrial and residential area.

SOCIO - ECONOMIC

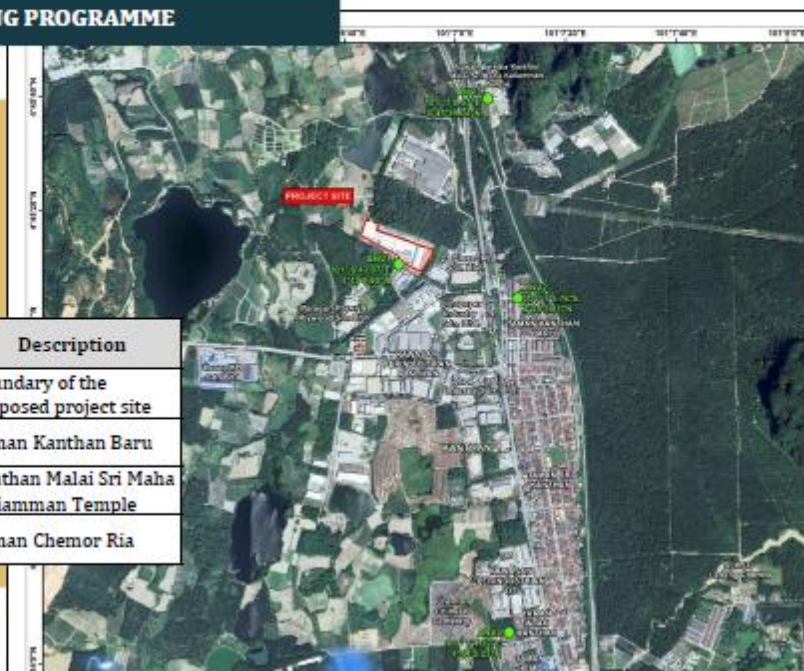
EXECUTIVE SUMMARY

First Schedule – Environmental Impact Assessment (EIA)

BASELINE MONITORING PROGRAMME

Ambient Air Quality,
Noise and Vibration
Level Monitoring
Stations

Station	Coordinates	Description
ANV1	101° 6' 43.97" E 4° 45' 9.80" N	Boundary of the proposed project site
ANV2	101° 7' 5.76" E 4° 45' 3.81" N	Taman Kanthan Baru
ANV3	101° 7' 0.57" E 4° 45' 39.04" N	Kanthan Malai Sri Maha Kaliannan Temple
ANV4	101° 7' 4.32" E 4° 44' 5.23" N	Taman Chemor Ria



Water Quality Monitoring Stations

Station	Coordinate	Description
WQ1	4° 45' 17.62" N 101° 6' 55.96" E	Upstream Sungai Pari (Outside Project Site)
WQ2	4° 45' 8.73" N 101° 6' 48.45" E	Final Discharge Point (Within Project Site)
WQ3	4° 45' 4.26" N 101° 6' 44.44" E	Upstream Sungai Pari (Outside Project Site)
WQ4	4° 43' 45.86" N 101° 6' 4.58" E	Middleground Sungai Pari (Outside Project Site)
WQ5	4° 41' 3.92" N 101° 6' 6.00" E	Middleground of Sungai Pari (Outside Project Site)
WQ6	4° 34' 58.20" N 101° 4' 12.04" E	Downstream of Sungai Pari (Outside Project Site)
WQ7	4° 34' 38.86" N 101° 4' 4.67" E	Sungai Kinta (Outside Project Site)



EXECUTIVE SUMMARY

First Schedule – Environmental Impact Assessment (EIA)

ENVIRONMENTAL MONITORING PROGRAMME

The objective of proposing environmental monitoring programs is to alert management on occurrence of pollution or undesirable impacts on the environment.

PERFORMANCE MONITORING (PM) – Bag Filters		
Frequency	Procedure	Remarks
Daily	Check pressure drops. Check stack (visually or with opacity meter). Walk through system, listening for proper operation. Check for unusual occurrences of process. Observe control panel indicators. Check compressed-air pressure.	The appointed competent person should conduct the preventive maintenance of bag filters within the APCS.
Weekly	Inspect screw-conveyor bearings for lubrication. Check packing glands. Operate damper valves. Check compressed-air lines, including line filters and dryers. Check that valves are opening and closing properly in bag-cleaning sequence. Verify accuracy of temperature-indicating equipment. Check pressure drop indicating equipment for plugged lines.	
Monthly	Check all moving parts in shaker mechanism. Inspect fans for corrosion and material buildup. Check drive belts for wear and tension. Inspect and lubricate appropriate items. Spot check bag tension. Spot check for bag leaks. Check hoses and clamps. Check accuracy of indicating equipment. Inspect housing for corrosion.	
Quarterly	Inspect baffle plate for wear. Inspect bags thoroughly. Check duct for dust buildup. Observe damper valves for proper seating. Check gaskets on doors. Inspect paint, insulation, etc. Check screw conveyor for wear or abrasion. Check fan belts.	
Annually	Check welds. Inspect hopper for wear.	

Environmental Monitoring	Components	Parameter / Performance Monitoring Status	Recommended Limits	Monitoring Locations	Frequencies
Compliance Monitoring (CM)	Air Quality	Total Particulate Matter (PM) Sulphur Dioxide (SO ₂) Nitrogen Dioxide (NO ₂) Carbon Monoxide (CO)	Malaysian Ambient Air Quality Standard 2020	Four (4) locations at nearest sensitive receptors	Continuous monitoring during operation.
	Noise Level	L10 L90 Leq Lmin Lmax	DOE's Guidelines for Environmental Noise Limits and Control, 2019 - First Schedule: a) Industrial Zone: 70 dBA for daytime 65 dBA for night-time. b) Suburban Residential (Medium Density), Recreational: 60 dBA for daytime 55 dBA for night-time.		Quarterly monitoring and reporting to DOE.
	Water Quality	Temperature pH BOD COD SS Oil and Grease Ammoniacal Nitrogen Iron Copper	National Water Quality Standard Class IIB	Seven (7) locations	Monthly monitoring and reporting to DOE.