STATUTORY INSTRUMENT

Supplement to the Sierra Leone Extraordinary Gazette Vol. CLXV, No. 8

dated 23rd January, 2024

STATUTORY INSTRUMENT No. 2 OF 2024

Published 23rd January, 2024

THE ENVIRONMENT PROTECTION AGENCY ACT, 2022
(ACT No. 15 OF 2022)

THE ENVIRONMENT PROTECTION AGENCY (ENVIRONMENTAL IMPACT ASSESSMENT FEES) REGULATIONS, 2024

Short tittle

In exercise of the powers conferred on it by paragraph (m) of subsection (2) of section 77 of The Environment Protection Agency Act, 2022, the Minister hereby makes the following Regulations -

PART I–PRELIMINARY

1. The fees set out in the First Schedule shall be charged for Environmental Impact Assessment application and screening.

Environmental Impact Assessment Application and screening.

2. The fees set out in the Second Schedule shall be charged for licence fees for mining projects.

Licence fees for mining projects.

3. The fees set out in the Third Schedule shall be charged for licence fees for the agricultural sector.

Licence fees for the agricultural sector.

Licence fees for the energy sector.

4. The fees set out in the Fourth Schedule shall be charged for licence fees for the energy sector.

Licence fees for the fisheries sector.

5. The fees set out in the Fifth Schedule shall be charged for licence fees for the fisheries sector.

Licence fees for the offshore oil and gas sector.

6. The fees set out in the Sixth Schedule shall be charged for licence fees for the offshore oil and gas sector.

Licence fees for the manufacturing sector.

7. The fees set out in the Seventh Schedule shall be charged for licence fees for the manufacturing sector.

Licence fees for the petrochemicals sector.

8. The fees set out in the Eighth Schedule shall be charged for licence fees for the petrochemicals sector.

Licence fees for the waste management sector.

9. The fees set out in the Ninth Schedule shall be charged for licence fees for the waste management sector.

10. The fees set out in the Tenth Schedule shall be charged for licence fees for quarries mining (aggregates). Licence fees for quarries mining (aggregates).

11. The fees set out in the Eleventh Schedule shall be charged for licence fees for the water sector. Licence fees for the water sector.

12. The fees set out in the Twelveth Schedule shall be charged for licence fees for the telecommunications sector. Licence fees for the munications sector.

13. The fees set out in the Thirteenth Schedule shall be charged for licence fees for dredging permit. Licence fees for dredging Permit.

SCHEDULES

FIRST SCHEDULE

Non-refunded Environment Assessment Application and Screening Fee

Sectors	Application Fees USD(Leones Equivalent
Large Scale Mining Project (Processing fee)	15,000
Small Scale mining Projects	350
Large Scale Fishery sector (Cold rooms, Fisheries processing factory)	100
Small Scale Fisheries	100
Marine dredging	100
Oil and gas (upstream- Seismic surveys, Offshore oil exploration, Offshore/onshore oil and gas drilling, Pipelines)	100
Infrastructure (Roads, Bridges, harbours, Stadium, Tourism, Housing)	100
Water Sector (Dams, irrigation, water treatment facilities)	100
Small Scale Enterprises (Garages, sawmills, Wood Industries, metal workshops, etc.)	100
Thermal Energy	100
Solar mini grid	100
Renewable energy (Bioenergy, Hydropower, Solar)	100
Telecommunications (Communication towers, fiber optics cable lines)	100
Forestry	100
Large scale Agriculture Sector	100

Quarry and River or Offshore sand mining (Aggregates)	100
Agricultural Small Scale	100
Manufacturing Industries (e.g. Factories- Beverages, Paints, Foam, Cement,)	100
Petrochemicals (Used oil plants, Petroleum refinery,)	100
Waste management	100
Hotels	100
Others	100

	SECOND SCHEDULE				
	LICENCE FEES FOR MINING PROJECTS				
	Point-based Criteria for determination of Licenses				
		Standard		Proponent	
1	Project's Capital Outlay/Investment (USD)	Score	Log Scale	Score	Log Scale
1.1	Below 100,000	30	1.48		
1.2	Between 100,000-500,000	40	1.60		
1.3	Between 500,000-1,000,000	50	1.70		
1.4	Between 1,000,000-5,000,000	60	1.78		
1.5	Between 5,000,000-10,000,000	65	1.81		
1.6	Between10,000,000-20,000,000	70	1.85		
1.7	Between 20,000,000-30,000,000	75	1.88		
1.8	Between 30,000,000-50,000,000	80	1.90		
1.9	Between 50,000,000-100,000,000	85	1.93		
1.10	Between 100,000,000-150,000,000	90	1.95		
1.11	Between 150,000,000-200,000,000	95	1.98		
1.12	Above 200,000,000	100	2.00		
2.0	Project location				
2.1	Near Protected area (Proximity less than 100m)	100	2.00		
2.2	Near/or in swamp/wetlands which is outside Protected areas (<50m)	75	1.88		
2.3	On hill/mountain top (Elevation above ≥0.3 Degrees)	75	2.00		
2.4	In Coastal area	100	2.00		
3.0	Project location: Distance (Km) from human settlements				
3.1	0.5 -1	100	2.00		
3.2	1- 5	80	1.90		
3.3	5 -10	40	1.60		
3.4	10 -15	20	1.30		
3.5	15 and above	10	1.00		
4.0	Concession or total area of project activities				
4.1	Less than 50 hectare	10	1.00		
4.2	50 - 100 Hectares	25	1.40		
4.3	100 - 200 hectares	75	1.88		
4.4	Above 200 hectares	100	2.00		
5	Types of project activities that may lead to Potential environmental impact				
5.1	Blasting (Use of explosive)				
5.1.1	Number of blast per day (1/per week)	10	1.00		
5.1.2	Number of blast per day (2 and above/week)	30	1.48		
5.1.3	Time of blasting (day time)	20	1.30		
5.1.4	Time of blasting (Night time)	50	1.70		
5.1.5	Blasting in surface mining	50	1.70		
5.1.6	Blasting underground	10	1.00		
5.2	Construction of haul roads	25	1.40		
5.3	Creation of trenches	25	1.40		
5.4	Construction of workmen camp	25	1.40		
5.5	Dredging on land (Wet mining)	100	2.00		
5.6	Damming/Banking of waterways	25	1.40		
5.7	Underground activities (such as underground mining)	25	1.40		
6.0	Vegetation Clearing				
6.1	Exposed land area (with no mining activity) < 10 Ha	10	1.00		
6.2	Exposed land area (with no mining activity) approx. 10 - 40 Ha	25	1.40		
6.3	Exposed land area (with no mining activity) > 40 Ha	50	1.70		
7.0	Mined land rehabilitation				
7.1	Change in original landform after rehabilitation	30	1.48		
7.2	Topsoil not stockpiled	25	1.40		
7.3	Two (2) or more borrowed pits not rehabilitated	75	1.88		
7.4	Signs of Soil erosion	30	1.48		
7.5	Lack of updated mine rehabilitation and Closure plan	85	1.93		
7.6	Insufficient or no evidence of progressive rehabilitation	50	1.70		
7.7	No evidence of financial assurance	85	1.93		

8.0	Impact on the Natural Environment				
8.1	**Biodiversity loss**				
8.1.1	Area important for/Presence of threatened, Endangered species	100	2.00		
8.1.2	Potential for transforming natural land ecology	50	1.70		
8.2	Diversion of waterways	100	2.00		
8.3	Damming of waterways	70	1.85		
8.4	the Project Impact on mangrove	100	2.00		
8.5	The project impact on estuarine and refuge of fish and crustaceans	100	2.00		
8.6	Erosion of top soil				
9.0	Environmental Pollution Exceeding National Standards/WHO Guidelines				
9.1	**Air Quality (Gaseous & Dust emission)**				
9.2	Release of Nitrogen dioxide (>200 $\mu g/m^3$)	80	1.90		
9.3	Release of Sulphur dioxide (>500 $\mu g/m^3$)	80	1.90		
9.4	Release of PM2.5 levels (> 25$\mu g/m^3$)	75	1.88		
9.5	Release of PM 10 (> 50 $\mu g/m^3$)	75	1.88		
9.6	Ground Level Ozone (O3)	50	1.70		
9.7	CO	50	1.70		
9.8	VOC	50	1.70		
10	Use or Production of HFCs based Equipment (phase down)				
10.1	**Use or Production of HFCs based Equipment (phase down)**				
10.1.1	1 - 10 equipment	10	1.00		
10.1.2	11 - 25 equipment	20	1.30		
10.1.3	Above 25 equipment	50	1.70		
10.2	**Use or Production of HCFCs based Equipment (Phase out)**				
10.2.1	1 - 10 equipment	25	1.40		
10.2.2	11 - 25 equipment	50	1.70		
10.2.3	Above 25 equipment	75	1.88		
10.3	**Use or Production of CFCs based Equipment (Banned)**	100	2.00		
11.0	Impact on Water quality (Physical & Chemical)				
11.1	Activity to affect water pH (pH>9)	40	1.60		
11.2	Activity to affect water pH (pH<6)	40	1.60		

11.3	Activity will lead to high Turbidity: NTU >1 OR (TDS >1200 mg/L)	50	1.70		
11.4	Arsenic >0.1mg/l	100	2.00		
11.5	Cadmium >0.005mg/l	100	2.00		
11.6	Copper >0.6 mg/l	70	1.85		
11.7	Iron >2.0mg/l	70	1.85		
11.8	Lead >0.2mg/l	100	2.00		
11.9	Nickel >0.07 mg/l	50	1.70		
12	Zinc >0.5 mg/l	40	1.60		
12.1	Mercury >0.002mg/l	100	2.00		
12.2	Oil and grease >16mg/l	30	1.48		
12.3	TSS >50mg/l	40	1.60		
12.4	Cyanide >0.8 mg/l	100	2.00		
13.0	Land contamination (POTENTIAL FOR OIL SPILL)				
13.1	Oil Spills < 20Liters	50	1.70		
13.2	Oil spills between 20 - 100 Liters	75	1.88		
13.3	Oil spills above 100 Liters	100	2.00		
13.4	Potential for tailings spills	75	1.88		
14.0	Noise level (for Public)				
14.1	Noise level for residential (Day >55dB)	80	1.90		
14.2	Noise level for residential (Night > 48dB)	80	1.90		
14.3	Noise level for industrial (>75dB)	80	1.90		
15.0	Solid Waste management				
15.1	Absence of waste management strategy/Mechanism/Plan	80	1.90		
15.2	Lack of effective waste management infrastructure	80	1.90		
15.3	Waste not properly treated and disposed of	80	1.90		
15.4	Wastes not sorted at source	45	1.65		
15.5	Waste bins not clearly marked	45	1.65		
15.6	Use of reusable wares not practiced	30	1.48		
15.7	Lack of Secured waste dump/Engineered Landfill	80	1.90		
15.8	Use of non-biodegradable materials	50	1.70		
16.0	Hazardous/toxic waste management				
16.1	Lack of functional incinerator	40	1.60		
16.2	Storage not properly secured	50	1.70		
16.3	Oil spill/toxic material cleanup kit not available	50	1.70		
16.4	Oil spill incidences (0.5 - 1 m3) /year	90	1.95		
16.5	Oil spill incidences (1m3/year)	100	2.00		
17.0	Liquid waste (Effluent) Management				
17.1	Lack of effluent management strategy	80	1.90		
17.2	Lack of effective liquid wastes treatment facility	80	1.90		
17.3	Process produces forbidden chemicals	100	2.00		
18.0	Occupational, Health and Safety Risks				
18.2	Potential Fire and electrical hazards	50	1.70		
18.3	Potential for occurrence of fumes, smoke and fuel fumes in workplace	75	1.88		
18.4	Potential for explosions	75	1.88		
18.5	Potential for accidents (machinery operation)	100	2.00		
18.7	Vibrations of machinery (drills, rock breakers etc.)	25	1.40		
18.8	First aid cases (>5/year)	25	1.40		
18.9	Loss time injury (>2 Incidences/yr)	45	1.65		
19	Fatalities (>1 Incidence/Yr)	100	2.00		
19.1	Exposure to heat (above 40 Degrees Centigrade)	75	1.88		
19.2	Poor ventilated work places	75	1.88		
19.3	Poorly illuminated work area	75	1.88		
20.0	Safety Drills (No record of Safety Drills)				
20.2	Fire	25	1.40		
20.3	Man overboard	25	1.40		
20.4	Mechanical/Engine failure	25	1.40		
21.0	Level of compliance with PPE use				
21.1	Non-compliance with use of personnel PPE				

21.2	Hard hats	25	1.40		
21.3	Steel toe boots	25	1.40		
21.4	High visibility safety vest	25	1.40		
21.5	Appropriate eye protection	25	1.40		
21.6	Nose masks	25	1.40		
21.7	Adequate earing protection	25	1.40		
21.7	Adequate safety signs	25	1.40		
22.0	Public health hazards				
22.1	Records of Minor accidents (>2)	50	1.70		
22.2	Major accidents /fatalities >1	100	2.00		
22.3	Road safety signs not adequate	45	1.65		
22.4	Absence of adequate Speed bumps installed on haul roads	45	1.65		
23.0	Social Impact				
23.1	Resettlement of relocation				
23.2	Number of Households (1-20)	50	1.70		
23.3	Number of households (21 - 40)	80	1.90		
23.4	Number of households (Above 40)	100	2.00		
23.5	Unresolved complaints <2	25	1.40		
23.6	Unresolved complaints above 3	50	1.70		
24.0	Types of Monitoring Required				
24.1	Air Quality Monitoring	75	1.88		
24.2	Water quality Monitoring	75	1.88		
24.3	Soil quality monitoring	75	1.88		
24.4	Human health (epidemiological)	75	1.88		
24.5	Biodiversity	75	1.88		
	Impact Scale: cost per point (US$)				
	Very Large Impact Scale	3500	above 65		
	Large impact Scale project	3000	55-64.9		
	Medium Impact scale projects	2500	45-54.9		
	Small impact scale project	2000	35-44.9		
	Very Small Impact Project	1500	25-34.9		
	Minor impact scale project	1000	14-24.9		
	Very minor Impact Scale Project	500	5-13.9		

	THIRD SCHEDULE				
	LICENCE FEES				
	Point based Criteria for determination of Licenses for the Agricultural Sector				
		Standard		Proponent	
1	Project's Capital Outlay/Investment/ turnover (USD)	Score	Log Scale	Score	Log Scale
1.1	Below 100,000	30	1.48		
1.2	Between 100,000-500,000	40	1.60		
1.3	Between 500,000-1,000,000	50	1.70		
1.4	Between 1,000,000-5,000,000	60	1.78		
1.5	Between 5,000,000-10,000,000	65	1.81		
1.6	Between10,000,000-20,000,000	70	1.85		
1.7	Between 20,000,000-30,000,000	75	1.88		
1.8	Between 30,000,000-50,000,000	80	1.90		
1.9	Between 50,000,000-100,000,000	85	1.93		
1.10	Between 100,000,000-150,000,000	90	1.95		
1.11	Between 150,000,000-200,000,000	95	1.98		
1.12	Above 200,000,000	100	2.00		
2	Project Location				
2.1.1	Near Protected Area (proximity less than 100m)	100	2.00		
2.1.2	Near/or in swamp/wetlands which is outside Protected Area (<25m buffer)	75	1.88		
2.1.3	On hill/mountain top (Elevation above ≥0.3 Degrees)	75	1.88		
2.1.4	In/near Coastal area/streams/rivers (<25m buffer)	100	2.00		
3	Distance (Km) from human settlements				
	0.5 - 1	100	2.00		
	>1 ≤ 5	80	1.90		
	> 5 ≤ 10	40	1.60		
	> 10 ≤ 15	20	1.30		
	15 - 20	10	1.00		
4	Concession or total area of project activities				
	10 - 20 hectare	10	1.00		
	20 - 40 Hectares	25	1.40		
	41 - 60 hectares	75	1.88		
	Above 60 hectares	100	2.00		
5	Types of Project Activities				
	Production				
	Ploughing	25	1.40		
	Land Clearing	75	1.88		
	Aquaculture	25	1.40		
	Animal husbandry	25	1.40		
	Burning	100	2.00		
	Processing				
	Meat and poultry products and fish products	10	1.00		
	Wood paper and allied products	10	1.00		
	manufacturing of rubber	25	1.40		
	Manufacturing of beverages	20	1.30		
	Manufacturing of oil and allied products	25	1.40		
	Leather, textile and allied products	10	1.00		
	Milk and dairy products	10	1.00		
	Other plants and animals based products	10	1.00		
6	Impact on the Natural Environment				
	Biodiversity loss	75	1.88		
	Deforestation				
	Less than 2HA	50	1.70		
	Between 2 and 5 HA	75	1.88		
	Above 5HA	100	2.00		

	Vegetation Clearing				
	Less than 2HA	25	1.40		
	Between 2 and 5 HA	50	1.70		
	Above 5HA	75	1.88		
	Diversion of waterways	100	2.00		
	Erosion of top soil	75	1.88		
	The project impact on beaches	100	2.00		
	the Project Impact on mangrove	100	2.00		
	The project impact on estuarine and refuge of fish and crustaceans	100	2.00		
	Potential for oil spill				
	Oil Spills < 20 Liters	50	1.70		
	Oil spills between 20 - 100 Liters	75	1.88		
	Oil spills above 100 Liters	100	2.00		
	Irrigation	75	1.88		
	Erosion of topsoil	75	1.88		
7	**Environmental Pollution**				
	Effects on ambient air quality				
	Particulate Matter 2.5 (PM2.5)	50	1 70		
	Particulate Matter 10 (PM10)	25	1.40		
	Ground Level Ozone (O3)	25	1.40		
	Nitrogen dioxide (NO2)	25	1.40		
	Sulphur dioxide (SO2)	25	1.40		
	Carbon monoxide (CO)	25	1.40		
	volatile Organic Compounds (VOCs)	50	1.70		
	Effects on Water Quality				
	Activity to affect water pH (pH>9)	40	1.60		
	Activity to affect water pH (pH<5)	40	1.60		
	Activity leading to high Turbidity: NTU >1 OR (Total Dissolve Solids - TDS >1200 mg/L)	50	1.70		
	Oil and grease >16mg/l	30	1.48		
	Total Suspended Solids (TSS) >50mg/l	40	1.60		
	Total Nitrogen	30	1.48		
	Nitrate	30	1.48		
	Ammonia	30	1.48		
	Sulphate	30	1.48		
	Phosphate	30	1.48		
	Chloride	30	1.48		
	Fluoride	30	1.48		
	Land contamination				
	Presence of pesticides residue	75	1.88		
	Noise Levels residential (day/ night) = (66 - 75 dB) / (61 - 70 dB)	75	1.88		
	Noise levels residential (day/ night) = (>75) / (>70)	100	2.00		
	Noise levels Commercial / industrial (75 - 85 dB)	75	1.88		
	Noise levels commercial / industrial (> 85 dB)	100	2.00		
	Use or Production of HFCs based Equipment (phase down)				
	1 - 10 equipment	10	1.00		
	11 - 25 equipment	20	1.30		
	Above 25 equipment	50	1.70		
	Use or Production of HCFCs based Equipment (Phase out)				
	1 - 10 equipment	25	1.40		
	11 - 25 equipment	50	1.70		
	Above 25 equipment	75	1.88		
	Use or Production of CFCs based Equipment (Banned)	100	2.00		
8	**Waste Management**				
	Absence of waste management strategy/Mechanism/Plan	80	1.90		
	Waste not properly treated and disposed of	80	1.90		
	Wastes not sorted at source	45	1.65		
	Waste bins not clearly marked	45	1.65		

	Use of reusable wares not practiced	30	1.43		
	Chemical and hazardous Wastes Management				
	Process produces forbidden chemicals	100	2.00		
	Application of Inorganic fertilizer (<20HA)	25	1.40		
	Application of Inorganic fertilizer (21 - 40 HA)	50	1.70		
	Application of Inorganic fertilizer (41 -60HA)	75	1.88		
	Application of Inorganic fertilizer (above 60 HA)	100	2.00		
	Applying Pesticides (<20 HA)	25	1.40		
	Applying Pesticides (21 - 40 HA)	50	1.70		
	Applying Pesticides (41 - 60 HA)	75	1.88		
	Applying Pesticides (Above 60 HA)	100	2.00		
	Use of inorganic insecticides/pesticides/ herbicides	75	1.88		
	Potential pollution of sporadic nature	100	2.00		
9	Occupational Health and Safety Risks				
	Noise level - for operators and support staff of machinery (75 - 85 dB/8hr without hearing protection)	50	1.70		
	Noise level - for operators and support staff of machinery (> 85 dB/8hr without hearing protection)	75	1.88		
	Potential for fire and electrical hazards	50	1.70		
	Dust, fumes, smoke and fuel fumes	75	1.88		
	Potential for explosions	75	1.88		
	Accidents (machinery operation)	100	2.00		
	Exposure to chemicals hazardous to human health	100	3.00		
	Vibrations of machinery (drills, rock breakers etc)	25	1.40		
10	Types of Monitoring Required				
	Air Quality Monitoring	75	1.88		
	Water quality Monitoring	75	1.88		
	Soil quality monitoring	75	1.88		
	Human health (epidemiological)	75	1.88		
	Biodiversity	75	1.88		
11	Social impact				
	Resettlement or relocation	100	2.00		
	Loss of livelihood and other economic activities	100	2.00		
	Loss of cultural heritage (e.g. Sacred bushes, Graveyards etc.)	100	2.00		
			Total		
12	Impact Scale: cost per point (1:30)				
	Very Large Impact Scale	3500	above 65		
	Large impact Scale project	3000	55-64.9		
	Medium Impact scale projects	2500	45-54.9		
	Small Impact scale project	2000	35-44.9		
	Very Small Impact Project	1500	25-34.9		
	Minor impact scale project	1000	14-24.9		
	Very minor Impact Scale Project	500	5-13.9		
13	Monitoring Fees				
	20% for Very Large Impact Scale				
	20% for Large Impact Scale project				
	20% for Medium Impact scale projects				
	15% for Small Impact scale project				
	15% for Very Small Impact Project				
	10% for Minor impact scale project				
	10% for Very minor Impact Scale Project				
	Total				
	25% reduction in the EIA fees				
	3% Compliance Reward				
	Amount to be paid				

	FOURTH SCHEDULE		
	LICENCE FEES		
	Point based Criteria for determination of Licenses for Energy Sector		
		Standard	
		Score	Log Scale
1	Project's Capital Outlay/investment (USD)		
1.1	Below 100,000	30	1.48
1.2	Between 100,000-500,000	40	1.60
1.3	Between 500,000-1,000,000	50	1.70
1.4	Between 1,000,000-5,000,000	60	1.78
1.5	Between 5,000,000-10,000,000	65	1.81
1.6	Between 10,000,000-20,000,000	70	1.85
1.7	Between 20,000,000-30,000,000	75	1.88
1.8	Between 30,000,000-50,000,000	80	1.90
1.9	Between 50,000,000-100,000,000	85	1.93
1.10	Between 100,000,000-150,000,000	90	1.95
1.11	Between 150,000,000-200,000,000	95	1.98
1.12	Above 200,000,000	100	2.00
2	Project location		
2.1	Near Protected Area (proximity less than 100m)	100	2.00
	Near/or in swamp/wetlands which is outside Protected Area (<50m)	75	1.88
	On hill/mountain top (Elevation above ≥0.3 Degrees)	75	1.88
	In Coastal area	100	2.00
3	Distance (Km) from human settlements		
	0-5 -1	100	2.00
	1- 5	80	1.90
	5 -10	40	1.60
	10 -15	20	1.30
	15 and above	10	1.00
4	Concession or total area of project activities		
	1-2.4 Hectares	10	1.00
	2.4-47 hectares	25	1.40
	Above 47 hectares	50	1.70
5	Types of Project Activities		
	Hydropower (non-conventional)	10	1.00
	Hydropower (conventional)	25	1.40
	Wind	10	1.00
	Solar	10	1.00
	Solar with back-up generator	15	1.18
	Geothermal	10	1.00
6	Impact on the Natural Environment		
	Biodiversity loss	75	1.88
	Deforestation		
	Less than 2HA	50	1.70
	Between 2 and 5 HA	75	1.88
	Above 5HA	100	2.00
	Vegetation Clearing		
	Less than 2HA	25	1.40
	Between 2 and 5 HA	50	1.70
	Above 5HA	75	1.88
	Diversion of waterways	100	2.00
	Erosion of top soil	75	1.88
	The project impact on beaches	100	2.00
	the Project Impact on mangrove	100	2.00
	The project impact on estuarine and refuge of fish and crustaceans	100	2.00
	Potential for oil spill		

	Oil Spills < 20 Liters	50	1.70
	Oil spills between 20 - 100 Liters	75	1.88
	Oil spills above 100 Liters	100	2.00
7	**Environmental Pollution Exceeding National Standards/WHO Guidelines**		
	Effects on ambient air quality		
	Particulate Matter 2.5 (PM2.5)	50	1.70
	Particulate Matter 10 (PM10)	25	1.40
	Ground Level Ozone (O3)	25	1.40
	Nitrogen dioxide (NO2)	25	1.40
	Sulphur dioxide (SO2)		
	Carbon monoxide (CO)	25	1.40
	Effects on water quality		
	Activity to affect water pH (pH>9)	40	1.60
	Activity to affect water pH (pH<6)	40	1.60
	Activity leading to high Turbidity: NTU >1 OR (Total Dissolve Solids - TDS >1200 mg/L)	50	1.70
	Oil and grease >16 mg/l	30	1.48
	Total Suspended Solids (TSS) >50 mg/l	40	1.60
	Land contamination (soil quality)	25	1.40
	Noise levels residential (day/ night) = (56 - 65 dB) / (46 - 60 dB)	50	1.70
	Noise Levels residential (day/ night) = (66 - 75 dB) / (61 - 70 dB)	75	1.88
	Noise levels residential (day/ night) = (>75) / (>70)	100	2.00
	Noise levels Commercial / industrial (75 - 85 dB)	75	1.88
	Noise levels commercial / industrial (> 85 dB)	100	2.00
	Use or Production of HFCs based Equipment (phase down)		
	1 - 10 equipment	10	1.00
	11 - 25 equipment	20	1.30
	Above 25 equipment	50	1.70
	Use or Production of HCFCs based Equipment (Phase out)		
	1 - 10 equipment	25	1.40
	11 - 25 equipment	50	1.70
	Above 25 equipment	75	1.88
	Use or Production of CFCs based Equipment (Banned)	100	2.00
8	**Waste Management**		
	Absence of waste management strategy/Mechanism/Plan (batteries, PV panels and E-waste)	100	2.00
	Waste not properly treated and disposed of	80	1.90
	Wastes not sorted at source	45	1.65
	Waste bins not clearly marked	45	1.65
	Use of reusable wares not practiced	30	1.48
	Chemical and hazardous Wastes	100	2.00
9	**Occupational, Health and Safety Risks**		
	Noise level - for operators and support staff of machinery (75 - 85 dB/8hr without hearing protection)	50	1.70
	Noise level - for operators and support staff of machinery (> 85 dB/8hr without hearing protection)	75	1.88
	Potential for fire and electrical hazards	50	1.70
	Dust, fumes, smoke and fuel fumes	75	1.88
	Potential for explosions	75	1.88
	Accidents (machinery operation)	100	2.00
	Exposure to chemicals hazardous to human health	100	2.00
	Vibrations of machinery (drills, rock breakers etc)	25	1.40
10	**Types of Monitoring Required**		
	Air Quality Monitoring	75	1.88
	Water quality Monitoring	75	1.88
	Soil quality monitoring	75	1.88
	Human health (epidemiological)	75	1.88
	Biodiversity	75	1.88
11	**Social Impact**		
	Resettlement of relocation	100	2.00
	Loss of livelihoods	100	2.00

	Loss of cultural and heritage sites	100	2.00
	Total		
12	Impact Scale: cost per point (USD)		
		3500	above 65
	Very Large Impact Scale	3000	55-64.9
	Large impact Scale project	2500	45-54.9
	Medium Impact scale projects	2000	35-44.9
	Small Impact scale project	1500	25-34.9
	Very Small Impact Project	1000	14-24.9
	Minor impact scale project	500	5-13.9
	Very minor Impact Scale Project		
13	Monitoring Fee		
	20% for Very Large Impact Scale		
	20% for Large impact Scale project		
	20% for Medium Impact scale projects		
	15% for Small Impact scale project		
	15% for Very Small Impact Project		
	10% for Minor impact scale project		
	10% for Very minor Impact Scale Project		
	Total		
	3% Compliance Reward		

	FIFTH SCHEDULE		
	LICENCE FEES		
	Point-based Criteria for determination of Licenses for the Fisheries Sector		
		Standard	
1	Project's Capital Outlay/Investment/ turnover (USD)	Score	Log Scale
1.1	Below 100,000	30	1.48
1.2	Between 100,000-500,000	40	1.60
1.3	Between 500,000-1,000,000	50	1.70
1.4	Between 1,000,000-5,000,000	60	1.78
1.5	Between 5,000,000-10,000,000	65	1.81
1.6	Between 10,000,000-20,000,000	70	1.85
1.7	Between 20,000,000-30,000,000	75	1.88
1.8	Between 30,000,000-50,000,000	80	1.90
1.9	Between 50,000,000-100,000,000	85	1.93
1.10	Between 100,000,000-150,000,000	90	1.95
1.11	Between 150,000,000-200,000,000	95	1.98
1.12	Above 200,000,000	100	2.00
2	Project location		
2.1.1	Near Protected Area (proximity less than 100m)	100	2.00
2.2	Distance (Km) from human settlements ? ? ?		
2.2.1	0.5 -1	100	2.00
2.2.2	1- 5	80	1.90
2.2.3	5 -10	40	1.60
2.2.4	10 -15	20	1.30
2.2.5	15 and above	10	1.00
3	Type of Activities		
3.1	Cold Storage	10	1.00
3.2	Trawling/large scale fishing	25	1.40
3.3	Fish farming/Aquaculture	10	1.00
3.6	Fish processing/packaging	10	1.00
5	Impact on the Natural Environment		
5.1	Biodiversity loss		
5.1.1	Derelict fishing gear (lost and discarded gear that is no longer under control of a commercial or recreational fisher. It includes lines, nets, pots, traps, float and other equipment)	75	1.88
5.1.2	Impacts on phytoplankton's and zooplanktons	50	1.70
5.1.3	Impacts on spawning grounds	50	1.70
5.1.4	Impacts on marine vegetation	50	1.70
5.2	Vegetation Clearing		
	Less than 2HA	25	1.40
	Between 2 and 5 HA	50	1.70
	Above 5HA	75	1.88
5.3	Diversion of waterways	100	2.00
5.4	Erosion of top soil	75	1.88
5.5	The project impact on beaches	100	2.00
5.6	The Project Impact on mangrove ecosystem	100	2.00
5.7	The project impact on estuarine and refuge of fish and crustaceans	100	2.00
5.8	Potential for oil spill		
5.8.1	Oil Spills < 20 Liters	50	1.70
5.8.2	Oil spills between 20 - 100 Liters	75	1.88
5.8.3	Oil spills above 100 Liters	100	2.00
6	Environmental Pollution Exceeding National Standards/WHO Guidelines		
6.1	Effects on ambient air quality		
6.1.1	PM2.5	50	1.70
6.1.2	PM10	25	1.40
6.1.3	Ground Level Ozone (O_3)	25	1.40
6.1.4	NO2	25	1.40
6.1.5	SO2	25	1.40
6.1.6	CO	25	1.40

6.1.7	VOC	50	1.70
6.2	**Effects on water quality**		
6.2.1	Activity to affect water pH (pH>9)	40	1.60
6.2.2	Activity to affect water pH (pH<6)	40	1.60
6.2.3	Activity leading to high Turbidity: NTU >1 OR (TDS >1200 mg/L)	50	1.70
6.2.4	Oil and grease >16 mg/l	30	1.48
6.2.5	TSS >50mg/l	40	1.60
6.2.6	Total Nitrogen	30	1.48
6.2.7	Nitrate	30	1.48
6.2.8	Ammonia	30	1.48
6.2.9	Sulphate	30	1.48
6.2.10	Chloride	30	1.48
6.2.11	Fluoride	30	1.48
6.3	Land contamination	100	2.00
6.4	Noise levels residential (day/ night) = (56 - 65 dB) / (48 - 60 dB)	50	1.70
6.5	Noise Levels residential (day/ night) = (66 - 75 dB) / (61 - 70 dB)	75	1.88
6.6	Noise levels residential (day/ night) = (>75) / (>70)	100	2.00
6.7	Noise levels Commercial / Industrial (75 - 85 dB)	75	1.88
6.8	Noise levels commercial / industrial (> 85 dB)	100	2.00
6.9	**Use or Production of HFCs based Equipment (phase down)**		
6.9.1	1 - 10 equipment	10	1.00
6.9.2	11 - 25 equipment	20	1.30
6.9.3	Above 25 equipment	50	1.70
6.10	**Use or Production of HCFCs based Equipment (Phase out)**		
6.10.1	1 - 10 equipment	25	1.40
6.10.2	11 - 25 equipment	50	1.70
6.10.3	Above 25 equipment	75	1.88
6.11	**Use or Production of CFCs based Equipment (Banned)**	100	2.00
6.12	Noise level - for operators and support staff of machinery (<75 dB)	25	1.40
6.13	Noise level - for operators and support staff of machinery (75 - 85 dB)	50	1.70
6.14	Noise level - for operators and support staff of machinery (> 85 dB)	75	1.88
6.15	Fire and electrical hazards	50	1.70
6.16	Dust, fumes, smoke and fuel fumes	75	1.88
6.17	Potential for explosions	75	1.88
6.18	Accidents (Drowning, machinery operation, loss of lives)	100	2.00
7	**Waste Management**		
7.1	Absence of waste management strategy/Mechanism/Plan	80	1.90
7.2	Waste not properly treated and disposed of	80	1.90
7.3	Wastes not sorted at source	45	1.65
7.4	Waste bins not clearly marked	45	1.65
7.5	Use of reusable wares not practiced	30	1.48
7.6	Chemical and hazardous Wastes	100	2.00
8	**Occupational, Health and Safety Risks**		
8.1	Noise level - for operators and support staff of machinery (75 - 85 dB/8hr without hearing protection)	50	1.70
8.2	Noise level - for operators and support staff of machinery (> 85 dB/8hr without hearing protection)	75	1.88
8.3	Potential for fire and electrical hazards	50	1.70
8.4	Dust, fumes, smoke and fuel fumes	75	1.88
8.5	Potential for explosions	75	1.88
8.6	Accidents (machinery operation)	100	2.00
8.7	Exposure to chemicals hazardous to human health	100	2.00
8.8	Vibrations of machinery (drills, rock breakers etc.)	25	1.40
9	**Types of Monitoring Required**		

9.1	Air Quality Monitoring	75	1.88
9.2	Water quality Monitoring	75	1.88
9.3	Marine Biodiversity	75	1.88
10	**Social Impact**		
10.1	Resettlement/Relocation	100	2.00
10.2	Loss of alternative livelihood	100	2.00
10.3	Loss of cultural and heritage sites	100	2.00
	Total		
	Impact Scale: cost per point (USD)		
11.1	Very Large Impact Scale	3500	above 65
11.2	Large impact Scale project	3000	55-64.9
11.3	Medium Impact scale projects	2500	45-54.9
11.4	Small Impact scale project	2000	35-44.9
11.5	Very Small Impact Project	1500	25-34.9
11.6	Minor impact scale project	1000	14-24.9
11.7	Very minor Impact Scale Project	500	5-13.9
11.8	**Administration Fees**		
11.9	20% for all impact scales		

	SIXTH SCHEDULE				
	Offshore Oil & Gas				
	Point based Criteria for determination of Licenses Fees				
		Standard		Proponent	
		Score	Log Scale	Score	Log Scale
1.0	**Project's Capital Outlay/investment (USD)**				
1.1	Below 100,000	30	1.48		
1.2	Between 100,000-500,000	40	1.60		
1.3	Between 500,000-1,000,000	50	1.70		
1.4	Between 1,000,000-5,000,000	60	1.78		
1.5	Between 5,000,000-10,000,000	65	1.81		
1.6	Between10,000,000-20,000,000	70	1.85		
1.7	Between 20,000,000-30,000,000	75	1.88		
1.8	Between 30,000,000-50,000,000	80	1.90		
1.9	Between 50,000,000-100,000,000	85	1.93		
1.10	Between 100,000,000-150,000,000	90	1.95		
1.11	Between 150,000,000-200,000,000	95	1.98		
1.12	Above 200,000,000	100	2.00		
2.0	**Project location**				
2.1	In Marine Protected Area	100	2.00		
2.2	In Ecologically or Biologically Significant Areas	100	2.00		
3.0	**Types of Project Activities**				
3.1	Seismic Survey	50	1.70		
3.2	Offshore production Installation (construction)	75	1.88		
3.3	Oil well Drilling	75	1.88		
3.4	Oil (crude or refine) transport	50	1.70		
3.6	Oil and gas Production	100	2.00		
3.7	Oil refinery processes	75	1.88		
3.8	Laying of pipeline	50	1.70		
4.0	**Impact on the Natural Environment**				
4.2	In-situ burning	100	2.00		
4.3	Gas flaring	100	2.00		
4.4	Project impact on beaches	75	1.88		
4.5	The project impact on mangrove	50	1.70		
4.6	The Project Impact on estuaries and refuge of fish and crustaceans	50	1.70		
4.7	Potential for large scale oil spill	75	1.88		
4.8	Use of chemical dispersants	75	1.88		
5.0	**Impact on Biodiversity and marine life**				
5.1	Disturbance to benthic and pelagic organisms and marine birds	75	1.88		
5.2	Effects of vessel and helicopter movements on human and wildlife	75	1.88		
5.3	Barriers to wildlife movement	100	2.00		
	Noise from acoustic sources causing disturbance to marine organism				
5.5	No provision of marine mammal observers onboard seismic survey vessels	75	1.88		
5.6	Underwater Noise Levels	75	1.88		
6.0	**Environmental Pollution Exceeding National/International (IMO) Standards**				
6.1	**Effects on water quality**				
6.1.1	Water contamination due to effluent discharges	75	1.88		
6.1.2	Seepage from storage and waste tanks.	45	1.65		
6.1.3	Thermal pollution due to discharge of effluents with temperatures higher than recipient water bodies	40	1.60		
6.1.4	Contamination due to oil spills and release of hazardous materials (e.g. Solvents, Acid, Alkaline materials)	50	1.70		
6.1.5	Pollution from drill cuttings	75	1.88		
6.1.6	Process produces forbidden chemicals	75	1.88		
6.1.7	Chemical discharges and spills	75	1.88		
6.1.8	Potential pollution of sporadic nature	75	1.88		
6.1.9	Activity to affect water pH (pH>9)	40	1.60		
6.1.10	Activity to affect water pH (pH<6)	40	1.60		
6.1.11	Activity leading to high Turbidity: NTU>1 OR (TDS >1200 mg/L)	50	1.70		

6.1.12	Oil and grease >16mg/l	30	1.48		
6.1.13	TSS >50mg/l	40	1.60		
6.1.14	Total Nitrogen	30	1.48		
6.1.15	Nitrate	30	1.48		
6.1.16	Ammonia	30	1.48		
6.1.17	Sulphate	30	1.48		
6.1.18	Chloride	30	1.48		
6.1.19	Fluoride	30	1.48		
6.2	**Effects on ambient air quality**				
	Particulate emissions into the atmosphere	75	1.88		
6.2.1	NO2	25	1.40		
6.2.2	SO2	25	1.40		
6.2.3	CO	25	1.40		
6.2.4	VOC	50	1.70		
6.3	**Use or Production of HFCs based Equipment (phase down)**				
6.3.1	1 - 10 equipment	10	1.00		
6.3.2	11 - 25 equipment	20	1.30		
6.3.3	Above 25 equipment	50	1.70		
6.3.4	**Use or Production of HCFCs based Equipment (Phase out)**				
6.3.5	1 - 10 equipment	25	1.40		
6.3.6	11 - 25 equipment	50	1.70		
6.3.7	Above 25 equipment	75	1.88		
6.3.8	**Use or Production of CFCs based Equipment (Banned)**	100	2.00		
7.0	**Occupational, Health and Safety Risks**				
7.1	Noise level - for operators and support staff of machinery	25	1.40		
7.2	Fire and electrical hazards	25	1.40		
7.3	Impact to human health from fumes and smoke	75	1.88		
7.4	Accidents (machinery operation)	100	2.00		
7.5	Vibrations causing disturbances to humans	75	1.88		
8.0	**Potential Emergencies**				
8.1	Spillage of oil and hazardous materials	100	2.00		
8.2	Oil and gas well blowout	100	2.00		
8.3	Explosions	100	2.00		
9.0	**Emergency response infrastructure**				
9.1	Oil spill contingency and response plans not in place	100	2.00		
9.3	No commitment for contingency funds and resources for emergency evacuation	100	2.00		
9.4	Absence of suitable mechanism for second tiered preparedness and response	100	2.00		
9.5	Lack of international cooperation agreement and mutual assistance for tier III oil spills response operations	100	2.00		
10	**Waste management**				
10.1	Lack of Oil spill waste management strategy	75	1.88		
10.2	Black water/waste water treatment facility not available	75	1.88		
10.3	No mechanism for ballast water management	75	1.88		
12	**Types of Monitoring Required**				
12.1	Air Quality Monitoring	75	1.88		
12.2	Water quality Monitoring	75	1.88		
12.3	Underwater quality monitoring	75	1.88		
12.4	Biodiversity	75	1.88		
13.0	**Social Impact**				
13.1	Conflicts over marine space	100	2.00		
13.2	Loss of Livelihoods activities (fishing, tourism, farming etc.)	100	2.00		
13.3	Loss of cultural heritage	50	1.70		
13.4	Project impact on navigation (Fishing & transport vessels)	100	2.00		

	Total				
	Impact Scal: cost per point (USD)				
	Very Large Impact Scale	3500	above 65		
	Large impact Scale project	3000	55-64.9		
	Medium Impact scale projects	2500	45-54.9		
	Small Impact scale project	2000	35-44.9		
	Very Small Impact Project	1500	25-34.9		
	Minor impact scale project	1000	14-24.9		
	Very minor Impact Scale Project	500	5-13.9		
	Monitoring fees				
	20% for all impact scales				
	Compliance Reward				
	Total				

	SEVENTH SCHEDULE		
	LICENCE FEES		
	Point based Criteria for determination of License Fee for Manufacturing		
		Standard	
1	Project's Capital Outlay/investment/ turnover (USD)	Score	Log Scale
1.1	Below 100,000	30	1.48
1.2	Between 100,000-500,000	40	1.60
1.3	Between 500,000-1,000,000	50	1.70
1.4	Between 1,000,000-5,000,000	60	1.78
1.5	Between 5,000,000-10,000,000	65	1.81
1.6	Between10,000,000-20,000,000	70	1.85
1.7	Between 20,000,000-30,000,000	75	1.88
1.8	Between 30,000,000-50,000,000	80	1.90
1.9	Between 50,000,000-100,000,000	85	1.93
1.10	Between 100,000,000-150,000,000	90	1.95
1.11	Between 150,000,000-200,000,000	95	1.98
1.12	Above 200,000,000	100	2.00
2.1	**Project location**		
2.1.1	Near Protected Area (proximity less than 100m)	100	2.00
2.1.2	Near/or in swamp/wetlands which is outside Protected Area (<50m)	75	1.88
2.1.3	On hill/mountain top (Elevation above ≥0.3 Degrees)	75	1.88
2.1.4	In Coastal area	100	2.00
2.2	**Distance (Km) from human settlements**		
2.2.1	0.5 -1	100	2.00
2.2.2	1 - 5	80	1.90
2.2.3	5 -10	40	1.60
2.2.4	10 -15	20	1.30
2.2.5	15 and above	10	1.00
3	**Concession or total area of project activities**		
3.1	Less than 1 hectare	10	1.00
3.2	1 - 2.4 Hectares	25	1.40
3.3	2.4 - 47 hectares	75	1.88
3.4	Above 47 hectares	100	2.00
4	**Types of Project Activities that leads to potential Environmental Impact**		
4.1	Abattoir (meat, poultry products and fish products)	10	1.00
4.2	Manufacturing of beverages	20	1.30
4.3	Manufacturing of rubber, metal and plastic products	25	1.40
4.4	Leather, textile and allied products	10	1.00
4.5	Wood, paper and allied products	20	1.30
4.6	Manufacturing of base metals (metals from ores only)	25	1.40
4.7	Scrap Metal Smelting and Refining	15	1.18
4.8	Non-metallic mineral products (cement, ceramics, concrete, bricks, glass and glazing, etc.)	25	1.40
4.10	Sustainable charcoal production	10	1.00
4.11	Manufacturing of confectioneries	15	1.18
4.12	Manufacturing of roofing sheets, nails and zinc	15	1.18
4.13	Manufacturing of foam and mattresses	25	1.40

4.14	Manufacturing of detergents, soap and soap products	20	1.30
4.15	Manufacturing of oil, margarine and allied products	10	1.00
4.16	Pharmaceutical and Biotechnology Products manufacturing	15	1.18
4.17	Manufacture of Explosives	25	1.40
4.19	Other Manufacturing (dairy, sugar)	10	1.00
4.2	Other Plant and animal based products	10	1.00
5	**Impact on the Natural Environment**		
5.1	Biodiversity loss	75	1.88
5.2	**Deforestation**	100	2.00
5.2.1	Less than 2HA	50	1.70
5.2.2	Between 2 and 5 HA	75	1.88
5.2.3	Above 5HA	100	2.00
5.3	**Vegetation Clearing**		
5.3.1	Less than 2HA	25	1.40
5.3.2	Between 2 and 5 HA	50	1.70
5.3.3	Above 5HA	75	1.88
5.4	Diversion of waterways	100	2.00
5.5	Erosion of top soil	75	1.88
5.6	The project impact on beaches	100	2.00
5.7	the Project Impact on mangrove	100	2.00
5.8	The project impact on estuaries and refuge of fish and crustaceans	100	2.00
5.9	**Potential for oil spill**		
5.9.1	Oil Spills < 20Liters	50	1.70
5.9.2	Oil spills between 20 - 100 Liters	75	1.88
5.9.3	Oil spills above 100 Liters	100	2.00
6	**Environmental Pollution Exceeding National Standards/WHO Guidelines**		
6.1	**Effects on ambient air quality**		
6.1.1	PM2.5	50	1.70
6.1.2	PM10	25	1.40
6.1.1	Ground Level Ozone (O3)	25	1.40
6.1.3	NO2	25	1.40
6.1.1	SO2	25	1.40
6.1.4	CO	25	1.40
6.1.1	VOC	50	1.70
6.2	**Effects on water quality**		
6.2.1	Activity to affect water pH (pH>9)	40	1.60
6.2.2	Activity to affect water pH (pH<6)	40	1.60
6.2.3	Activity leading to high Turbidity: NTU >1 OR (TDS >1200 mg/L)	50	1.70
6.2.4	Oil and grease >16mg/l	30	1.48
6.2.5	TSS >50mg/l	40	1.60
6.2.6	Total Nitrogen	30	1.48
6.2.7	Nitrate	30	1.48

6.1.1	PM2.5	50	1.70
6.1.2	PM10	25	1.40
6.1.1	Ground Level Ozone (O3)	25	1.40
6.1.3	NO2	25	1.40
6.1.1	SO2	25	1.40
6.1.4	CO	25	1.40
6.1.1	VOC	50	1.70
6.2	**Effects on water quality**		
6.2.1	Activity to affect water pH (pH>9)	40	1.60
6.2.2	Activity to affect water pH (pH<6)	40	1.60
6.2.3	Activity leading to high Turbidity: NTU >1 OR (TDS >1200 mg/L)	50	1.70
6.2.4	Oil and grease >16mg/l	30	1.48
6.2.5	TSS >50mg/l	40	1.60
6.2.6	Total Nitrogen	30	1.48
6.2.7	Nitrate	30	1.48
6.2.8	Ammonia	30	1.48
6.2.9	Sulphate	30	1.48
6.2.10	Chloride	30	1.48
6.2.11	Fluoride	30	1.48
6.3	Land contamination	100	2.00
6.4	Potential pollution of sporadic nature	75	1.88
6.5	Poor transportation/management of construction haulage materials	75	1.88
6.6	Noise levels residential (day/ night) = (56 - 65 dB) / (46 - 60 dB)	50	1.70
6.7	Noise Levels residential (day/ night) = (66 - 75 dB) / (61 - 70 dB)	75	1.88
6.8	Noise levels residential (day/ night) = (>75) / (>70)	100	2.00
6.9	Noise levels Commercial / industrial (75 - 85 dB)	75	1.88
6.1	Noise levels commercial / industrial (> 85 dB)	100	2.00
7.00	**Use or Production of HFCs based Equipment (phase down)**		
7.1	1 - 10 equipment	10	1.00
7.2	11 - 25 equipment	20	1.30
7.3	Above 25 equipment	50	1.70
7.4	**Use or Production of HCFCs based Equipment (Phase out)**		
7.4.1	1 - 10 equipment	25	1.40
7.4.2	11 - 25 equipment	50	1.70
7.4.3	Above 25 equipment	75	1.88
7.5	**Use or Production of CFCs based Equipment (Banned)**	100	2.00
8	**Waste Management**		
8.1	Absence of waste management strategy/Mechanism/Plan	80	1.90
8.2	Waste not properly treated and disposed of	80	1.90
8.3	Wastes not sorted at source	45	1.65
8.4	Waste bins not clearly marked	45	1.65
8.5	Use of reusable wares not practiced	30	1.48
8.6	Chemical and hazardous Wastes	100	2.00
8.7	Process produces forbidden chemicals	100	2.00
9	**Occupational, Health and Safety Risks**		
9.2	Noise level - for operators and support staff of machinery (75 - 85 dB/8hr without hearing protection)	50	1.70
9.3	Noise level - for operators and support staff of machinery (> 85 dB/8hr without hearing protection)	75	1.88
9.4	Potential for fire and electrical hazards	50	1.70

9.5	Dust, fumes, and smoke	75	1.88
9.6	Potential for explosions	75	1.88
9.7	Accidents (machinery operation)	100	2.00
9.8	Exposure to chemicals hazardous to human health	100	2.00
9.9	Vibrations of machinery (drills, rock breakers etc.)	25	1.40
9.1	Lack of appropriate PPEs and Enforced use	75	1.88
9.11	Absence of appropriate hazard safety signs (for installation & fleet) and assembly/evacuation point	75	1.88
9.12	Absence of accredited EHS training(s), e.g. Fire Safety, First Aid, etc.	50	1.70
10	**Types of Monitoring Required**		
10.1	Air Quality Monitoring	75	1.88
10.2	Water quality Monitoring	75	1.88
10.3	Soil quality monitoring	75	1.88
10.4	Human health (epidiological)	75	1.88
10.5	Biodiversity	75	1.88
11	**Social Impact**		
11.1	Resettlement or relocation	100	2.00
11.2	Loss of livelihoods and other economic activities	100	2.00
11.3	Loss of cultural Heritage (e.g. sacred bushes and graveyards)	50	1.70
	Total		
12	**Impact Scale: cost per point (USD)**		
12.1	Very Large Impact Scale	3500	above 65
12.2	Large impact Scale project	3000	55-64.9
12.3	Medium Impact scale projects	2500	45-54.9
12.4	Small Impact scale project	2000	35-44.9
12.5	Very Small Impact Project	1500	25-34.9
12.6	Minor impact scale project	1000	14-24.9
12.7	Very minor Impact Scale Project	500	5-13.9
13	**Monitoring Fees**		
13.1	20% for Very Large Impact Scale		
13.2	20% for Large impact Scale project		
13.3	20% for Medium Impact scale projects		
13.4	15% for Small Impact scale project		
13.5	15% for Very Small Impact Project		
13.6	10% for Minor impact scale project		
13.7	10% for Very minor Impact Scale Project		
13.8	Compliance Reward		-0.03
	Total		

1.12	Above 200,000,000	100	2.00
2	**Project location relative to human settlements**		
2.1.1	Near Protected Area (proximity less than 100 m)	100	2.00
2.1.2	Near/or in swamp/wetlands which is outside Protected Area (<50m)	75	1.88
2.1.3	On hill/mountain top (Elevation above ≥0.3 Degrees)	75	1.88
2.1.4	In Coastal area	100	2.00
2.2	**Distance (Km) from human settlements**		
2.2.1	0.5 -1	100	2.00
2.2.2	>1 ≤ 5	80	1.90
2.2.3	> 5 ≤ 10	40	1.60
2.2.4	> 10 ≤ 15	20	1.30
2.2.5	15 and above	10	1.00
3	**Concession or total area of project activities**		
3.1	Less than 1 hectare	10	1.00
3.2	1-2.4 Hectares	25	1.40
3.3	2.4-47 hectares	75	1.88
3.4	Above 47 hectares	100	2.00
4	**Types of Project Activities**		
5.1.6	Waste/Used oil recycling/Lubricant manufacturing	25	1.40
	Oil refinery process	75	1.88
5	**Impact on the Natural Environment**		
6.1	Biodiversity loss	75	1.88
5.6	**Vegetation Clearing**	100	2.00
5.6.1	Less than 2HA	25	1.40
5.6.2	Between 2 and 5 HA	50	1.70
5.6.3	Above 5HA	75	1.88
6.3	Diversion of waterways	100	2.00
6.4	Erosion of top soil	75	1.88
6.5	The project impact on beaches	100	2.00
6.6	the Project Impact on mangrove	100	2.00
6.7	The project impact on estuaries and refuge of fish and crustaceans	100	2.00
6.8	**Potential for large scale oil spill**		
6.8.1	Oil Spills < 20 Liters	50	1.70
6.8.2	Oil spills between 20 - 100 Liters	75	1.88
6.8.3	Oil spills above 100 Liters	100	2.00
7	**Environmental Pollution Exceeding National Standards/WHO Guidelines**		
7.1	**Effects on ambient air quality**		
7.1.1	Particulate Matter 2 5 (PM2.5)	50	1.70
7.1.2	Particulate Matter (PM10)	25	1.40
7.1.3	Ground Level Ozone (O_3)	25	1.40
7.1.4	Nitrogen dioxide (NO2)	25	1.40
7.1.5	Sulphur dioxide (SO2)	25	1.40
7.1.6	Carbon monoxide (CO)	25	1.40
7.1.7	Volatile Organic Compound (VOC)	50	1.70
7.2	**Effects on water quality**		
7.2.1	Activity to affect water pH (pH>9)	40	1.60
7.2.2	Activity to affect water pH (pH<6)	40	1.60
7.2.3	Activity leading to high Turbidity: NTU >1 OR (TDS >1200 mg/L)	50	1.70
7.2.4	Oil and grease >16 mg/l	30	1.48
7.2.5	TSS >50 mg/l	40	1.60
7.2.6	Total Nitrogen	30	1.48
7.2.7	Nitrate	30	1.48
7.2.8	Ammonia	30	1.48
7.2.9	Sulphate	30	1.48
7.2.10	Chloride	30	1.48
7.2.11	fluoride	30	1.48
7.2.12	Iron	30	1.48

7.2.13	Total Hardness ($CaCO_3$)	10	1.00
7.2.14	Conductivity	20	1.30
7.2.15	Temperature	10	1.00
7.2.16	Resistivity,	20	1.30
7.2.17	Salinity	30	1.48
7.2.18	Oxygen Reduction Potential (ORP)	25	1.40
7.2.19	Dissolve Oxygen (DO)	30	1.48
7.2.20	Chemical Oxygen Demand (COD)	35	1.54
7.2.21	Biological Oxygen Demand (BOD)	40	1.60
7.3	Land contamination	100	2.00
7.4	Poor transportation/management of waste haulage vehicles	75	1.88
7.5	**Environmental Noise Levels**		
7.5.1	Noise levels residential (day/ night) = (56 - 65 dB) / (46 - 60 dB)	50	1.70
7.5.2	Noise Levels residential (day/ night) = (66 - 75 dB) / (61 - 70 dB)	75	1.88
7.5.3	Noise levels residential (day/ night) = (>75) / (>70)	100	2.00
7.5.4	Noise levels Commercial / industrial (75 - 85 dB)	75	1.88
7.5.5	Noise levels commercial / industrial (> 85 dB)	100	2.00
7.6	**Use or Production of Ozone Depleting Substances (ODS)**		
7.6.1	**HFCs based Equipment (phase down)**		
7.6.1.1	1 - 10 equipment	10	1.00
7.6.1.2	11 - 25 equipment	20	1.30
7.6.1.3	Above 25 equipment	50	1.70
7.6.2	**HCFCs based Equipment (Phase out)**		
7.6.2.1	1 - 10 equipment	25	1.40
7.6.2.2	11 - 25 equipment	50	1.70
7.6.2.3	Above 25 equipment	75	1.88
7.6.3	**CFCs based Equipment (Banned)**	100	2.00
8	**Occupational, Health and Safety Risks**		
8.1	Noise level - for operators and support staff of machinery (75 - 85 dB/8hr without hearing protection)	50	1.70
8.2	Noise level - for operators and support staff of machinery (> 85 dB/8hr without hearing protection)	75	1.88
8.4	Dust, fumes, smoke and fuel fumes	75	1.88
8.6	Accidents (machinery operation)	100	2.00
8.7	Exposure to chemicals hazardous to human health	100	2.00
8.8	Lack of appropriate PPEs and Enforced use	75	1.88
8.9	Absence of appropriate hazard safety signs (for installation & fleet) and assembly/evacuation point	75	1.88
8.10	Absence of accredited EHS training(s), e.g. Fire Safety, First Aid, etc.	50	1.70
8	**Types of Monitoring Required**		
8.1	Air Quality Monitoring	75	1.88
8.2	Water quality Monitoring	75	1.88
8.3	Soil quality monitoring	75	1.88
8.4	Human health (epidemiological)	75	1.88
8.5	Biodiversity	75	1.88
10	**Social Impact**		
10.1	Resettlement of relocation	100	2.00
10.2	Loss of livelihoods and other economic activities	100	2.00
10.3	Loss of cultural and Heritage Sites	50	1.70
	Total		
11	**Impact Scale: cost per point (USD)**		
11.1	Very Large Impact Scale	3500	above 65

11.2	Large impact Scale project	3000	55-64.9
11.3	Medium Impact scale projects	2500	45-54.9
11.4	Small Impact scale project	2000	35-44.9
11.5	Very Small Impact Project	1500	25-34.9
11.6	Minor impact scale project	1000	14-24.9
11.7	Very minor Impact Scale Project	500	5-13.9
12	**Monitoring Fees**		
12.1	20% for Very Large Impact Scale		
12.2	20% for Large impact Scale project		
12.3	20% for Medium Impact scale projects		
12.4	15% for Small Impact scale project		
12.5	15% for Very Small Impact Project		
12.6	10% for Minor impact scale project		
12.7	10% for Very minor Impact Scale Project		
12.8	Compliance Reward		-0.03
	Total		

NINTH SCHEDULE

LICENCE FEES

Point based Criteria for determination of Licenses for Waste Management Sector

		Standard		Proponent	
1	Project's Capital Outlay/investment (USD)	Score	Log Scale	Score	Log Scale
1.1	Below 100,000	30	1.48		
1.2	Between 100,000 - 500,000	40	1.60		
1.3	Between 500,000 - 1,000,000	50	1.70		
1.4	Between 1,000,000 - 5,000,000	60	1 78		
1.5	Between 5,000,000 - 10,000,000	65	1.81		
1.6	Between 10,000,000 - 20,000,000	70	1.85		
1.7	Between 20,000,000 - 30,000,000	75	1 88		
1 8	Between 30,000,000 - 50,000,000	80	1.90		
1.9	Between 50,000,000 - 100,000,000	85	1.93		
1 10	Between 100,000,000 - 150,000,000	90	1 95		
1.11	Between 150,000,000 - 200,000,000	95	1.98		
1 12	Above 200,000,000	100	2 00		
2	**Project location**				
2.1	Near Protected Area (proximity less than 100 m)	100	2.00		
2.2	Near/or in swamp/wetlands which is outside Protected Area (<50 m)	75	1.88		
2.3	On hill/mountain top (Elevation above ≥0 3 Degrees)	75	1.88		
2.4	In/near Coastal area (<100m)	100	2.00		
3	**Distance (Km) from human settlements**				
3.1	0.5 -1	100	2.00		
3.2	1- 5	80	1 90		
3.3	5 -10	40	1.60		
3.4	10 -15	20	1.30		
3.5	15 and above	10	1 00		
4	**Concession or total area of project activities**				
4.1	Less than 1 hectare	10	1.00		
4.2	1-2.4 hectares	25	1.40		
4.3	Above 2.4 hectares	75	1.88		
5	**Types of Project Activities that Leads to Potential Environmental Impact**				
5.1	**Toxic and Hazardous Waste Management**				
5.1.1	Construction of incineration plant	30	1.48		
5 1.2	Construction of recovery/recycling plant (off-site)	15	1 18		
5.1.3	Construction of wastewater treatment plant (off-site)	20	1 30		
5.1.4	Construction of secure landfill facility	50	1 70		
5.1.5	Construction of waste storage facility (off-site)	15	1.18		
5.1.6	Used oil recycling	25	1 40		
5 1.7	Used Lead-Acid Batteries recycling	25	1 40		
5 1.8	Scrap metal collection, storage and transportation	15	1 18		
5.2	**Municipal Solid Waste Management**				
5.2 1	Construction of incineration plant	30	1 48		
5.2.2	Construction of composting plant	10	1 00		
5.2 3	Construction of recovery/recycling/transformation plant	15	1 18		
5.2.4	Construction of municipal solid waste landfill facility	50	1 70		
5.2.5	Construction of waste depots/transfer stations	15	1 18		
5.3	**Municipal Sewage Management**				
5.3 1	Construction of wastewater treatment plant	20	1 90		
5.3.2	Construction of marine outfall	25	1 40		

6	**Impact on the Natural Environment**				
6.1	Biodiversity loss	75	1.88		
5.6	**Vegetation Clearing**	100	2.00		
5.6.1	Less than 2HA	25	1.40		
5.6.2	Between 2 and 5 HA	50	1.70		
5.6.3	Above 5HA	75	1.88		
6.3	Diversion of waterways	100	2.00		
6.4	Erosion of topsoil	75	1.88		
6.5	The project impact on beaches	100	2.00		
6.6	the Project Impact on mangrove	100	2.00		
6.7	The project impact on estuaries and refuge of fish and crustaceans	100	2.00		
6.8	**Potential for large scale oil spill**				
6.8.1	Oil Spills < 20 Liters	50	1.70		
6.8.2	Oil spills between 20 - 100 Liters	75	1.88		
6.8.3	Oil spills above 100 Liters	100	2.00		
7	**Environmental Pollution Exceeding National Standards/WHO Guidelines**				
7.1	**Effects on ambient air quality**				
7.1.1	Particulate Matter 2.5 (PM2.5)	50	1.70		
7..1.2	Particulate Matter (PM10)	25	1.40		
7.1.3	Ground Level Ozone (O_3)	25	1.40		
7.1.4	Nitrogen dioxide (NO_2)	25	1.40		
7.1.5	Sulphur dioxide (SO_2)	25	1.40		
7.1.6	Carbon monoxide (CO)	25	1.40		
7.1.7	Volatile Organic Compound (VOC)	50	1.70		
7.2	**Effects on water quality**				
7.2.1	Activity to affect water pH (pH>9)	40	1.60		
7.2.2	Activity to affect water pH (pH<6)	40	1.60		
7.2.3	Activity leading to high Turbidity: NTU >1 OR (TDS >1200 mg/L)	50	1.70		
7.2.4	Oil and grease >16mg/l	30	1.48		
7.2.5	TSS >50mg/l	40	1.60		
7.2.6	Total Nitrogen	30	1.48		
7.2.7	Nitrate	30	1.48		
7.2.8	Ammonia	30	1.48		
7.2.9	Sulphate	30	1.48		
7.2.10	Chloride	30	1.48		
7.2.11	fluoride	30	1.48		
7.2.12	Iron	10	1.00		
7.2.13	Total Hardness ($CaCO_3$)	20	1.30		
7.2.14	Conductivity	10	1.00		
7.2.15	Temperature	20	1.30		
7.2.16	Resistivity,	30	1.48		
7.2.17	Salinity				

7.2.18	Oxygen Reduction Potential (ORP)	25	1.40		
7.2.19	Dissolve Oxygen (DO)	30	1.48		
7.2.20	Chemical Oxygen Demand (COD)	35	1.54		
7.2.21	Biological Oxygen Demand (BOD)	40	1.60		
7.3	Land contamination	100	2.00		
7.4	Poor transportation/management of waste haulage vehicles	75	1.88		
7.5	**Environmental Noise Levels**				
7.5.1	Noise levels residential (day/ night) = (56 - 65 dB) / (46 - 60 dB)	50	1.70		
7.5.2	Noise Levels residential (day/ night) = (66 - 75 dB) / (61 - 70 dB)	75	1.88		
7.5.3	Noise levels residential (day/ night) = (>75) / (>70)	100	2.00		
7.5.4	Noise levels Commercial / industrial (75 - 85 dB)	75	1.88		
7.5.5	Noise levels commercial / industrial (> 85 dB)	100	2.00		
7.6	**Use or Production of Ozone Depleting Substances (ODS)**				
7.6.1	**HFCs based Equipment (phase down)**				
7.6.1.1	1 - 10 equipment	10	1.00		
7.6.1.2	11 - 25 equipment	20	1.30		
7.6.1.3	Above 25 equipment	50	1.70		
7.6.2	**HCFCs based Equipment (Phase out)**				
7.6.2.1	1 - 10 equipment	25	1.40		
7.6.2.2	11 - 25 equipment	50	1.70		
7.6.2.3	Above 25 equipment	75	1.88		
7.6.3	**CFCs based Equipment (Banned)**	100	2.00		
8	**Occupational, Health and Safety Risks**				
8.1	Noise level - for operators and support staff of machinery (75 - 85 dB/8hr without hearing protection)	50	1.70		
8.2	Noise level - for operators and support staff of machinery (> 85 dB/8hr without hearing protection)	75	1.88		
8.4	Dust, fumes, smoke and fuel fumes	75	1.88		
8.6	Accidents (machinery operation)	100	2.00		
8.7	Exposure to chemicals hazardous to human health	100	2.00		
8.8	Lack of appropriate PPEs and Enforced use	75	1.88		
8.9	Absence of appropriate hazard safety signs (for installation & fleet) and assembly/evacuation point	75	1.88		
8.10	Absence of accredited EHS training(s), e.g. Fire Safety, First Aid, etc.	50	1.70		
9	**Types of Monitoring Required**				
9.1	Air Quality Monitoring	75	1.88		
9.2	Water quality Monitoring	75	1.88		
9.3	Soil quality monitoring	75	1.88		
9.4	Human health (epidemiological)	75	1.88		
9.5	Biodiversity	75	1.88		
10	**Social Impact**				
10.1	Resettlement of relocation	100	2.00		
10.2	Loss of livelihoods and other economic activities	100	2.00		
10.3	Loss of cultural and Heritage Sites	50	1.70		
	Total				
11	**Impact Scale: cost per point (USD)**				
11.1	Very Large Impact Scale	3500	above 65		
11.2	Large impact Scale project	3000	55-64.9		

11.3	Medium Impact scale projects	2500	45-54.9		
11.4	Small Impact scale project	2000	35-44.9		
11.5	Very Small Impact Project	1500	25-34.9		
11.6	Minor impact scale project	1000	14-24.9		
11.7	Very minor Impact Scale Project	500	5-13.9		
12	**Monitoring Fees**				
12.1	20% for Very Large Impact Scale				
12.2	20% for Large impact Scale project				
12.3	20% for Medium Impact scale projects				
12.4	15% for Small Impact scale project				
12.5	15% for Very Small Impact Project				
12.6	10% for Minor impact scale project				
12.7	10% for Very minor Impact Scale Project				
12.8	Compliance Reward		-0.03		
	Total				

	TENTH SCHEDULE		
	LICENCE FEES		
	Point based Criteria for determination of License Fee for Quarries		
	Mining (Aggregates)		
		Standard	
1	Project's Capital Outlay/Investment/ turnover (USD)	Score	Log Scale
1.1	Below 100,000	30	1.48
1.2	Between 100,000-500,000	40	1.60
1.3	Between 500,000-1,000,000	50	1.70
1.4	Between 1,000,000-5,000,000	60	1.78
1.5	Between 5,000,000-10,000,000	65	1.81
1.6	Between10,000,000-20,000,000	70	1.85
1.7	Between 20,000,000-30,000,000	75	1.88
1.8	Between 30,000,000-50,000,000	80	1.90
1.9	Between 50,000,000-100,000,000	85	1.93
2	Project location		
2.1.1	Near Protected Area (proximity less than 100m)	100	2.00
2.1.2	Near/or in swamp/wetlands which is outside Protected Area (<50m)	75	1.88
2.1.3	On hill/mountain top (Elevation above ≥0.3 Degrees)	75	1.88
2.1.4	In/near Coastal area (<100m)	100	2.00
2.2	Distance (Km) from human settlements		
2.2.1	0.5 -1	100	2.00
2.2.2	1- 5	80	1.90
2.2.3	5 -10	40	1.60
2.2.4	10 -15	20	1.30
2.2.5	15 and above	10	1.00
3	Concession or total area of project activities		
3.1	Less than 1 hectare	10	1.00
3.2	1-9 hectares	25	1.40
3.3	10 -29 hectares	50	1.70
3.5	30 -49 hectares	75	1.88
3.6	50 hectares and above	100	2.00
4	Types of Project Activities		
4.1	**Blasting**		
	Surface blasting	50	1.75
4.1	Underground Blasting	25	1.40
4.2	Night time blasting	100	1.88
4.3	Day time blasting	25	1.75
4.5	Blasting (Twice a week)	25	1.40
4.6	Blasting (More than two times a week)	50	1.70
4.4	Land Use Change	75	1.88
4.4.5	**Excavation**		
4.4.5.1	Excavation (1m and below)	10	1.00

4.4.5.2	Excavation (1m - 20m)	25	1.40
4.4.5.3	Excavation (Above 20m)	50	1.75
5	Impact on the Natural Environment		
5.1	Biodiversity loss	75	1.88
5.2	Deforestation	100	2.00
	Less than 2HA	50	1.70
	Between 2 and 5 HA	75	1.88
	Above 5HA	100	2.00
	Vegetation Clearing		
	Less than 2HA	25	1.40
	Between 2 and 5 HA	50	1.70
	Above 5HA	75	1.88
5.3	Diversion of waterways	100	2.00
5.5	Erosion of top soil	75	1.88
5.6	The project impact on beaches	100	2.00
5.7	the Project Impact on mangrove	100	2.00
5.8	The project impact on estuaries and refuge of fish and crustaceans	100	2.00
5.9	Potential for oil spill		
	Oil Spills < 20Liters	50	1.70
	Oil spills between 20 - 100 Liters	75	1.88
	Oil spills above 100 Liters	100	2.00
6	Environmental Pollution Exceeding National Standards/WHO Guidelines		
6.1	**Effects on ambient air quality**		
	PM2.5	50	1.70
	PM10	25	1.40
	Ground Level Ozone (O3)	25	1.40
	NO2	25	1.40
	SO2	25	1.40
	CO	25	1.40
	VOC	50	1.70
6.4	**Effects on water quality**		
11.1	Activity to affect water pH (pH>9)	40	1.60
11.2	Activity to affect water pH (pH<6)	40	1.60
11.3	Activity leading to high Turbidity: NTU >1 OR (TDS >1200 mg/L)	50	1.70

12.2	Oil and grease >16mg/l	30	1.48
12.3	TSS >50mg/l	40	1.60
	Total Nitrogen	30	1.48
	Nitrate	30	1.48
	Ammonia	30	1.48
	Sulphate	30	1.48
	Chloride	30	1.48
	Fluoride	30	1.48
6.9	Land contamination	100	2.00
	Poor transportation/management of construction haulage materials	75	1.88
6.12	Noise levels residential (day/ night) = (56 - 65 dB) / (46 - 60 dB)	50	1.70
6.13	Noise Levels residential (day/ night) = (66 - 75 dB) / (61 - 70 dB)	75	1.88
6.14	Noise levels residential (day/ night) = (>75) / (>70)	100	2.00
6.16	Noise levels Commercial / industrial (75 - 85 dB)	75	1.88
6.17	Noise levels commercial / industrial (> 85 dB)	100	2.00
6.18	**Use or Production of HFCs based Equipment (phase down)**		
	1 - 10 equipment	10	1.00
	11 - 25 equipment	20	1.30
	Above 25 equipment	50	1.70
	Use or Production of HCFCs based Equipment (Phase out)		
	1 - 10 equipment	25	1.40
	11 - 25 equipment	50	1.70
	Above 25 equipment	75	1.88
	Use or Production of CFCs based Equipment (Banned)	100	2.00
6.19	**Waste Management**		
15.1	Absence of waste management strategy/Mechanism/Plan	80	1.90
15.3	Waste not properly treated and disposed of	80	1.90
15.4	Wastes not sorted at source	45	1.65
15.5	Waste bins not clearly marked	45	1.65

15.6	Use of reusable wares not practiced	30	1.48
6.22	Chemical and hazardous Wastes	100	2.00
7	Occupational, Health and Safety Risks		
7.2	Noise level - for operators and support staff of machinery (75 - 85 dB/8hr without hearing protection)	50	1.70
7.3	Noise level - for operators and support staff of machinery (> 85 dB/8hr without hearing protection)	75	1.88
7.4	Potential for fire and electrical hazards	50	1.70
7.5	Dust, fumes, smoke and fuel fumes	75	1.88
7.6	Potential for explosions	75	1.88
7.7	Accidents (machinery operation)	100	2.00
7.8	Exposure to chemicals hazardous to human health	100	2.00
7.9	Vibrations of machinery (drills, rock breakers etc)	25	1.40
7.9	Lack of appropriate PPEs and Enforced use	75	1.88
7.10	Absence of appropriate hazard safety signs (for installation & fleet) and assembly/evacuation point	75	1.88
7.11	Absence of accredited EHS training(s), eg. Fire Safety, First Aid, etc.	50	1.70
8	Types of Monitoring Required		
8.1	Air Quality Monitoring	75	1.88
8.2	Water quality Monitoring	75	1.88
8.3	Soil quality monitoring	75	1.88
8.4	Human health (epidiological)	75	1.88
8.5	Biodiversity	75	1.88
9	Social Impact		
9.1	Resettlement of relocation	100	2.00
	Loss of livelihoods	100	2.00
	Loss of cultural and heritage sites	100	2.00
	Total		
10	Impact Scale: cost per point (USD)		
10.1	Very Large Impact Scale	3500	above 65
10.2	Large impact Scale project	3000	55-64.9

10.3	Medium Impact scale projects	2500	45-54.9
10.4	Small Impact scale project	2000	35-44.9
10.5	Very Small Impact Project	1500	25-34.9
10.6	Minor impact scale project	1000	14-24.9
10.7	Very minor Impact Scale Project	500	5-13.9
12	Monitoring Fees		
12.1	20% for Very Large Impact Scale		
12.2	20% for Large impact Scale project		
12.3	20% for Medium Impact scale projects		
12.4	15% for Small Impact scale project		
12.5	15% for Very Small Impact Project		
12.6	10% for Minor impact scale project		
12.7	10% for Very minor Impact Scale Project		
12.8	Compliance Reward		-0.05

	ELEVENTH SCHEDULE		
	LICENCE FEES		
	Point based Criteria for determination of Licenses for Water Sector		
		Standard	
1	Project's Capital Outlay/Investment (USD)	Score	Log Scale
2	Project location relative to human settlements		
2.1	In or near ecologically sensitive areas (coastal and marine areas, hill tops etc)	100	2.00
2.2	Distance (Km) from human settlements		
2.2.1	0.5 -1	100	2.00
2.2.2	>1 ≤ 5	80	1.90
2.2.3	> 5 ≤ 10	40	1.60
2.2.4	> 10 ≤ 15	20	1.30
2.2.5	15 and above	10	1.00
3	Concession or total area of project activities		
3.1	Less than 1 hectare	10	1.00
3.2	1-2.4 Hectares	25	1.40
3.3	2.4-47 hectares	75	1.88
3.4	Above 47 hectares	100	2.00
4	Types of Project Activities and Impact		
	Dam construction	10	1.00
	Drainage and irrigation construction	10	1.00
	Water basin development	10	1.00
	Water supply development	10	1.00
	Excavation		
	Excavation (<5m)	10	1.00
	Excavation (5m - 20m)	25	1.40
	Excavation (Above 20m)	50	1.70
5	Impact on the Natural Environment		
5.1	Biodiversity loss	75	1.88
5.2	Deforestation	100	2.00
	Less than 2HA	50	1.70
	Between 2 and 5 HA	75	1.88
	Above 5HA	100	2.00
	Vegetation Clearing		
	Less than 2HA	25	1.40
	Between 2 and 5 HA	50	1.70

	Above 5HA	75	1.88
	Diversion of waterways	100	2.00
	Erosion of top soil	75	1.88
	The project impact on beaches	100	2.00
	the Project Impact on mangrove	100	2.00
	The project impact on estuaries and refuge of fish and crustaceans	100	2.00
	Potential for oil spill		
	Oil Spills < 20Liters	50	1.70
	Oil spills between 20 - 100 Liters	75	1.88
	Oil spills above 100 Liters	100	2.00
6	**Environmental Pollution Exceeding National Standards/WHO Guidelines**		
6.1	**Effects on ambient air quality**		
	PM2.5	50	1.70
	PM10	25	1.40
	Ground Level Ozone (O3)	25	1.40
	NO2	25	1.40
	SO2	25	1.40
	CO	25	1.40
	VOC	50	1.70
	Effects on water quality		
	Activity to affect water pH (pH>9)	40	1.60
	Activity to affect water pH (pH<6)	40	1.60
	Activity leading to high Turbidity: NTU >1 OR (TDS >1200 mg/L)	50	1.70
	Oil and grease >16mg/l	30	1.48
	TSS >50mg/l	40	1.60
	Total Nitrogen	30	1.48
	Nitrate	30	1.48
	Ammonia	30	1.48
	Sulphate	30	1.48

	Chloride	30	1.48
	Fluoride	30	1.48
	Land contamination	100	2.00
	Waste Management		
	Absence of waste management strategy/Mechanism/Plan	80	1.90
	Waste not properly treated and disposed of	80	1.90
	Wastes not sorted at source	45	1.65
	Waste bins not clearly marked	45	1.65
	Use of reusable wares not practiced	30	1.48
	Chemical and hazardous Wastes	100	2.00
7	**Occupational, Health and Safety Risks**		
	Noise level - for operators and support staff of machinery (75 - 85 dB/8hr without hearing protection)	50	1.70
	Noise level - for operators and support staff of machinery (> 85 dB/8hr without hearing protection)	75	1.88
	Potential for fire and electrical hazards	50	1.70
	Dust, fumes, and smoke	75	1.88
	Potential for explosions	75	1.88
	Accidents (machinery operation)	100	2.00
	Exposure to chemicals hazardous to human health	100	2.00
	Vibrations of machinery (drills, rock breakers etc.)	25	1.40
	Lack of appropriate PPEs and Enforced use	75	1.88
	Absence of appropriate hazard safety signs (for installation & fleet) and assembly/evacuation point	75	1.88
	Absence of accredited EHS training(s), e.g. Fire Safety, First Aid, etc.	50	1.70
8	**Types of Monitoring Required**		
8.1	Air Quality Monitoring	75	1.88
8.2	Water quality Monitoring	75	1.88
8.3	Soil quality monitoring	75	1.88
8.4	Human health (epidiological)	75	1.88
8.5	Biodiversity	75	1.88
9	**Social Impact**		
9.1	Resettlement of relocation	100	2.00
	Loss of livelihoods	100	2.00
	Loss of cultural and heritage sites	100	2.00
	Total		
10	**Impact Scale: cost per point (USD)**		
10.1	Very Large Impact Scale	3500	above 65
10.2	Large impact Scale project	3000	55-64.9
10.3	Medium Impact scale projects	2500	45-54.9
10.4	Small Impact scale project	2000	35-44.9
10.5	Very Small Impact Project	1500	25-34.9

10.6	Minor impact scale project	1000	14-24.9
10.7	Very minor Impact Scale Project	500	5-13.9
12	**Monitoring Fees**		
12.1	20% for Very Large Impact Scale		
12.2	20% for Large impact Scale project		
12.3	20% for Medium Impact scale projects		
12.4	15% for Small Impact scale project		
12.5	15% for Very Small Impact Project		
12.6	10% for Minor impact scale project		
12.7	10% for Very minor Impact Scale Project		
12.8	Compliance Reward		-0.03

	TWELVETH SCHEDULE		
	LICENCE FEES		
	Point based Criteria for determination of Licenses for Telecom Project		
		Standard	
1	Project's Capital Outlay/investment/ turnover (USD)	Score	Log Scale
1.1	Below 100,000	30	1.48
1.2	Between 100,000-500,000	40	1.60
1.3	Between 500,000-1,000,000	50	1.70
1.4	Between 1,000,000-5,000,000	60	1.78
1.5	Between 5,000,000-10,000,000	65	1.81
1.6	Between10,000,000-20,000,000	70	1.85
1.7	Between 20,000,000-30,000,000	75	1.88
1.8	Between 30,000,000-50,000,000	80	1.90
1.9	Between 50,000,000-100,000,000	85	1.93
1.10	Between 100,000,000-150,000,000	90	1.95
1.11	Between 150,000,000-200,000,000	95	1.98
1.12	Above 200,000,000	100	2.00
2.1	In or near ecologically sensitive areas (coastal and marine areas, hill tops, etc)	100	2.00
2.2	Distance (Km) from human settlements		
2.2.1	0 -1	75	1.88
2.2.2	>1- 5	50	1.70
2.2.3	>5 -10	25	1.40
2.2.4	Above 10	10	1.00
4	Types of Project Activities that Leads to Potential Environmental Impact		
	Construction		
	Towers (including base station)	100	2.00
	Fiber optic	75	1.88
	Access road	50	1.70
	Operations		
	1 - 20 towers	25	1.40
	21 - 40 towers	75	1.88
	Above 40 towers	100	2.00
6	Impact on the Natural Environment		
	Biodiversity loss	75	1.88
	Deforestation		
	Less than 2HA	50	1.70
	Between 2 and 5 HA	75	1.88
	Above 5HA	100	2.00
	Vegetation Clearing		
	Less than 2HA	25	1.40
	Between 2 and 5 HA	50	1.70
	Above 5HA	75	1.88
	Diversion of waterways	100	2.00
	Erosion of top soil	75	1.88
	Potential for oil spill		
	Oil Spills < 20 Liters	50	1.70

	Oil spills between 20 - 100 Liters	75	1.88
	Oil spills above 100 Liters	100	2.00
	Excavation		
	Excavation (1m and below)	10	1.00
	Excavation (1m - 20m)	25	1.40
	Excavation (Above 20m)	50	1.75
	Environmental Pollution Exceeding National Standards/WHO Guidelines		
	Effects on ambient air quality		
	PM2.5	50	1.70
	PM10	25	1.40
	NO2	25	1.40
	SO2	25	1.40
	CO	25	1.40
	Effects on water quality	25	1.40
	Land contamination (soil quality)	25	1.40
	Noise levels residential (day/ night) = (56 - 65 dB) / (46 - 60 dB)	50	1.70
	Noise Levels residential (day/ night) = (66 - 75 dB) / (61 - 70 dB)	75	1.88
	Noise levels residential (day/ night) = (>75) / (>70)	100	2.00
	Noise levels Commercial / industrial (75 - 85 dB)	75	1.88
	Noise levels commercial / industrial (> 85 dB)	100	2.00
	Use or Production of HFCs based Equipment (phase down)		
	1 - 10 equipment	10	1.00
	11 - 25 equipment	20	1.30
	Above 25 equipment	50	1.70
	Use or Production of HCFCs based Equipment (Phase out)		
	1 - 10 equipment	25	1.40
	11 - 25 equipment	50	1.70
	Above 25 equipment	75	1.88
	Use or Production of CFCs based Equipment (Banned)	100	2.00
	Waste Management		
	Absence of waste management strategy/Mechanism/Plan	80	1.90
	Waste not properly treated and disposed of	80	1.90
	Wastes not sorted at source	45	1.65
	Waste bins not clearly marked	45	1.65
	Use of reusable wares not practiced	30	1.48

	Chemical and hazardous Wastes	100	2.00
	Occupational, Health and Safety Risks		
	Noise level - for operators and support staff of machinery (75 - 85 dB/8hr without hearing protection)	50	1.70
	Noise level - for operators and support staff of machinery (> 85 dB/8hr without hearing protection)	75	1.88
	Potential for fire and electrical hazards	50	1.70
	Dust, fumes, smoke and fuel fumes	75	1.88
	Potential for explosions	75	1.88
	Accidents (machinery operation)	100	2.00
	Types of Monitoring Required		
	Air Quality Monitoring	75	1.88
	Water quality Monitoring	75	1.88
	Soil quality monitoring	75	1.88
	Human health (epidemiological)	75	1.88
	Biodiversity	75	1.88
	Social Impact		
	Resettlement of relocation	100	2.00
	Loss of livelihoods	100	2.00
	Loss of cultural and heritage sites	100	2.00
	Total		
11	**Impact Scale: cost per point (USD)**		
11.1	Very Large Impact Scale	3500	above 65
11.2	Large impact Scale project	3000	55-64.9
11.3	Medium Impact scale projects	2500	45-54.9
11.4	Small Impact scale project	2000	35-44.9
11.5	Very Small Impact Project	1500	25-34.9
	Minor impact scale project	1000	14-24.9
11.6	Very minor Impact Scale Project	500	5-13.9
12	**Administration Fees**		
12.1	20% for all impact scales		
12.2	Compliance Reward		
	Total		

	THIRTEENTH SCHEDULE				
	Fees for Dredging Permit				
	Point based Criteria for determination of Fees				
		Standard		Proponent	
		Score	Log Scale	Score	Log Scale
1	Location of dredging				
	In estuary	70	1.85		
	Dredging of river channel	80	1.90		
	Dredging of creeks	80	1.90		
	In Inshore Economic Zone (beyond 24nm)	25	1.40		
	In Exclusive Economic Zone	10	1.00		
2	Method/Type of dredging techniques				
	Mechanical/hydraulic systems (e.g. auger dredgers and disc cutter dredgers)	25	1.40		
	Mechanical shoveling and scooping methods (e.g., amphibious grab dredger)	100	2.00		
	Mechanical dredging (The scraper dredger and the enclosed bucket conveyor)	1	0.00		
	Trailing dredger	100	2.00		
3	Dredging depths (in meters)				
	Less than 0.5	25	1.40		
	Between 0.5 - 1.0	50	1.70		
	More than 1m	75	1.88		
4	Volume of material to be dredged				
	Less than 1,000,000 m3	40	1.60		
	1,000,000 - 2,000,000m3	70	1.85		
	Above 2,000,000 m3	100	2.00		
5	Dredged spoil/materials discharge methods				
	Transfer to another equipment/Vessel (b. Equipment requires another vessel to transport materials to disposal site)	100	2.00		
	Directly to the discharge point (a. equipment does not require vessels to pump the dredged sediment)	1	0.00		
6	Execution time of the dredging				
	1-2 days	50	1.70		
	3 - 5 days	75	1.88		
	Above 5 days	100	2.00		
7	Ecological and environmental conditions of the area to be dredged				
	Presence of seagrass	100	2.00		
	Area suitable for fish nursery	100	2.00		
	Ecology of the area shows presence of sedentary animals	100	2.00		
	Area shows presence of turtles	100	2.00		
	Presence of other critically endangered species	100	2.00		
	Presence of mangroves	100	2.00		
8	Location/Site for deposition of dredged materials				
	Onshore	25	1.40		
	Marine area/in river/estuary	100	2.00		
9	Environmental Pollution				
	Air Quality (Gaseous & Dust emission)				
	Release of Nitrogen dioxide (>200 $\mu g/m^3$)	80	1.90		
	Release of Sulphur dioxide (>500 $\mu g/m^3$)	80	1.90		
	Release of PM2.5 levels (> 25$\mu g/m^3$)	75	1.88		
	Release of PM 10 (> 50 $\mu g/m^3$)	75	1.88		
	Ground Level Ozone (O3)	50	1.70		
	CO	50	1.70		
	VOC	50	1.70		

10	Use or Production of HFC's based Equipment (phase down)				
	Use or Production of HFCs based Equipment (phase down)				
	1 - 10 equipment	10	1.00		
	11 - 25 equipment	20	1.30		
	Above 25 equipment	50	1.70		
	Use or Production of HCFCs based Equipment (Phase out)				
	1 - 10 equipment	25	1.40		
	11 - 25 equipment	50	1.70		
	Above 25 equipment	75	1.88		
	Use or Production of CFCs based Equipment (Banned)	100	2.00		
11	Proximity to sensitive marine/aquatic habitats				
	Outside Marine Protected Areas	25	1.40		
	Within an MPA	100	2.00		
12	Impact on Water quality (Physical & Chemical)				
	Activity to affect water pH (pH>9)	40	1.60		
	Activity to affect water pH (pH<6)	40	1.60		
	Arsenic >0.1mg/l	100	2.00		
	Cadmium >0.005mg/l	100	2.00		
	Cupper >0.6 mg/l	70	1.85		
	Iron >2.0mg/l	70	1.85		
	Lead >0.2mg/l	100	2.00		
	Nickel >0.07 mg/l	50	1.70		
	Zinc >0.5 mg/l	40	1.60		
	Mercury >0.002mg/l	100	2.00		
	Oil and grease >16mg/l	30	1.48		
	TSS >50mg/l	40	1.60		
	Cyanide >0.8 mg/l	100	2.00		
13	Activity will lead to high turbidity				
	Activity leads to high turbidity levels	100	2.00		
	Activity leads to medium turbidity levels	75	1.88		
	Activity leads to low turbidity levels	40	1.60		
	Potential for hydrocarbon spills	75	1.88		
14	Potential for impact to benthic fauna				
	Substrate removal and thus habitat and species loss	75	1.88		
	Alteration of bottom topography and hydrography	75	1.88		

	Alteration of sediment composition	50	1.70		
	Release of nutrients, increase in eutrophication	25	1.40		
	Impact on pelagic and benthic organisms (e.g. decrease of primary production due to reduced transparency of the water column, smothering)	80	1.90		
15	**Occupational, Health and Safety Risks**				
	Noise level - for operators and support staff of machinery (>55 dB)	25	1.40		
	Potential Fire and electrical hazards	50	1.70		
	Potential for occurrence of fumes, smoke and fuel fumes in workplace	75	1.88		
	Potential for explosions	75	1.88		
	Potential for accidents (machinery operation)	100	2.00		
	Exposure to chemicals hazardous to human health	100	2.00		
	Vibrations of machinery (drills, rock breakers etc)	25	1.40		
16	**Social Impact**				
	Obstruction to fishing activities	75	1.88		
	Obstructions to transport vessels	75	1.88		
17	**Impact Scale: cost per point (USD)**				
	Huge Scale	3500	above 89.9		
	Large impact Scale project	2500	60.0-89.9		
	Medium Impact scale projects	2000	45.0-59.9		
	Small Impact scale project	1500	25.0-44.9		
	Minor impact scale project	1000	15.0-24.9		
	Insignificant impact	500	5 to 14.9		

Scheduled of EIA Application and Screening Fee

Sectors	Application Fees (USD)	Leones Equivalent
Large Scale Mining Project (ground truthing and Public disclosure		
Small Scale mining Projects		
Large Scale Fishery sector (Cold rooms, Fisheries processing factory)	100	
Small Scale Fisheries	100	
Marine dredging	100	
Oil and gas (upstream- Seismic surveys, Offshore oil exploration, Offshore/onshore oil and gas drilling, Pipelines)	100	
Infrastructure (Roads, Bridges, harbours, Stadium, Tourism, Housing)	100	
Water Sector (Dams, irrigation, water treatment facilities)	100	
Small Scale Enterprises (Garages, sawmills, Wood Industries, metal workshops, etc.)	100	
Thermal Energy	100	
Solar mini grid	100	
Renewable energy (Bioenergy, Hydropower, Solar)	100	
Telecommunications (Communication towers, fiber optics cable lines)	100	
Forestry	100	
Large scale Agriculture Sector	100	
Quarry and River or Offshore sand mining (Aggregates)	100	
Agricultural Small Scale	100	
Manufacturing Industries (e.g. Factories- Beverages, Paints, Foam, Cement,)	100	
Petrochemicals (Used oil plants, Petroleum refinery,)	100	
Waste management	100	
Hotels	100	
Others	100	

Made this 23rd day of January, 2024

MR. JIWOH E. ABDULAI
Minister of Environment and Climate Change

FREETOWN,
SIERRA LEONE.

PRINTED AND PUBLISHED BY THE GOVERNMENT PRINTING DEPARTMENT, SIERRA LEONE.
EXTRAORDINARY GAZETTE NO. 8 OF 23RD JANUARY, 2024