

# South Asia Co-operative Environment Programme (SACEP) Plastic free Rivers and Seas for South Asia (P171269)

# ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (ESMP) OF RECYCLING BUSINESS UNITS - COXS BAZAR

# GRANTEE: BANGLADESH PETROCHEMICAL COMPANY LIMITED - BANGLADESH





# Environmental and Social Management Plan (ESMP)-Cox's Bazar RBU Bangladesh Petrochemical Company Ltd (BPCL)

#### 1. Subproject Information

Subproject Title:	Formalization of Plastic Recycling Value Chain by Forming Recycling Business Units in Cox's Bazar
Estimated Cost:	USD1,322,000
Start/Completion Date:	22 September 2023 - 31 January 2025

#### 2. Site/Location Description

The proposed land for the Recycling Business Unit (RBU) is located in the Bangla Bazar area, P M Khali Union, within Cox's Bazar District in the Chattogram Division of Bangladesh. Positioned at 21° 26 '00"N, 92° 02' 02"E, this site is approximately 7 kilometers from the Bay of Bengal. It is accessible via a 20-foot-wide road, located 550 meters south of the main road, enabling transportation of large trucks.

The site spans approximately 23.54 decimal and is surrounded by a blend of residential and commercial zones. The Bakkhali River flows toward the Bay of Bengal about 250 meters to the west of the site, with a narrow canal running adjacent to the western side. The northern and eastern areas feature a residential village, small markets, agricultural fields, mainly paddy (Oryza sativa), and green spaces.

Cox's Bazar experiences a coastal climate similar to other regions in Bangladesh, though it is subject to a more intense southwest monsoon due to its proximity to the coast. The area's annual average temperature ranges from a maximum of 30.1 °C (86.2 °F) to a minimum of 22.0 °C (71.6 °F). Average annual rainfall is 3,524 mm (138.7 inches), and the humidity level averages 80 percent.

The selected plot previously served as an abandoned flour mill, featuring a 3,150-square-foot tin-roofed brick structure, which includes a 630-square-foot power room. Additionally, there is a 1,755-square-foot open area without a roof, along with a 5,100-square-foot brick-surfaced yard at the front that includes a 588-square-foot section with bushes. The total area designated for the plastic recycling business is 10,258 square feet. The entire site is enclosed by a 7-foot-high, 467-foot-long brick boundary wall. A 440V three-phase power line, connected via the Rural Electrification Board (REB), is in place, though it is currently inactive.



(Refer to <u>Link-1</u> for a map of the land location and <u>Link-2</u> for detailed information on Cox's Bazar, including population data, livelihoods, and institutional details.)

#### 3. Subproject Description and Activities

The main function of the Recycling Business Unit (RBU) is to collect PET from local informal waste pickers and scrap dealers, process it on-site, and transport it to BPCL's main factory for recycling. The project activities on-site are divided into two phases:

#### **Construction Phase:**

- 1. Clearing approximately 95% bushes except large trees and cleaning the surface, then earth cutting and filling with sand to 2325 square feet with a depth of 2.5 ft.
- 2. Repair the big shade 3445 square feet by re-plastering, changing unusable parts of the shade, retrofitting of the existing doors and ventilation system. Construct another shade of 2077 sqft including a child care facility of 200 sq ft, a office room 300 sq ft, two separate toilets for male and female each 25 sq ft, a lobby 32 sq ft and rest of the area will be utilized for the water treatment plant where the 284sqft of constructed sedimentation tank. All the two buildings are made with brick structure having tin shade.
- 3. Construction of a drainage system extending 143 ft. and a water treatment plant with a capacity of 1.5-2 cubic meters per hour. The outlet of the treated water is the natural canal that exists nearby. The treatment plants include three constructed sedimentation chambers, one sand filter, one chemical dosing system, two centrifugal pumps and two water storage tanks.
- 4. Installation of the required machinery, including one conveyor bales, one label remover, one PET crusher, one screw loader, one floating washer, two baling machines, and one blade sharpening machine.
- 5. A 500KVA-400KW electrical wiring to support operation of the machines and plumbing of all necessary pipe, fittings and fixtures.

#### **Operational Phase:**

- 1. Waste Plastic Receiving and Sorting All types of PET and non-PET plastics except pesticides and medical plastic waste are received from informal waste pickers and scrap dealers. The plastics are first sorted by PET and non-PET materials, and then further sorted by color.
- 2. Label Removal, Crushing, and Washing- The sorted plastics are fed into a label remover to separate non-recyclable wrappers. The plastics are then shredded into PET flakes (12-14mm) by a crushing machine to increase surface area, making them easier to clean. The flakes are then washed with cold water and machine dried.
- 3. Packing and Transportation- The dried PET flakes are packed and transported to BPCL's main factory, where they are further processed into high-quality, food-grade PET resin in accordance with ISO 9001 standards.
- 4. operation of Wastewater Treatment and Reuse- Wastewater from the process is directed to a sedimentation tank for particle settling. It then passes through a sand filtration tank to remove fine particles and is stored in a clean water tank. The clean water is then pumped to a reservoir, where it can be either drained or reused in the washing line.

An estimated 1.5 m<sup>3</sup> of water is required for operating the washing line per ton of PET processed. Approximately 1-5% of the total input material results in waste generation, including non-recyclable wrappers, plastics, and dirt. The electricity required for processing PET, including label removal, crushing, washing, and drying, is estimated at 70 kWh per ton of PET processed.

## 4. ESMP Matrix: Risk and Impacts, Mitigation, Monitoring

### 4.1 Construction Stage:

Anticipated E&S Risks	Risk Mitigation & Management	Impact Mitigation		Impact/Mitigat	ion Monitoring	
& Impacts	Measures	Location/Timing/	Responsibility	Aspects /	Methodology, including	Responsibility
		Frequency		Parameters to	Location &	
				be monitored	Frequency	
Soil erosion and	I. Revegetation of 50	500-meter area	BPCL and CDIP	The growth of	Monthly site Visit/Photo	Technical expert
disturbance due to	medicinal plants by	surrounding the		the planted	evidence	(environment)
removal of bushes, grasses	replanting near the hub	RBU will be		trees, along	Regular Monitoring	country team and
and vegetation, earth		monitored for a		with their		PIU and UNOPS
cutting and settlement	II. The design of the building	period of 3		survival rate		Colombo team and
activities.	and landscape will be	months				BPCL
	optimized to mitigate soil					
	erosion and manage					
	sedimentation.					
Air pollution results from	I) Dust in surrounding areas will	Periodic on-site	Site Engineer	Workers with	Monthly site visits will	Technical expert
activities such as soil	be controlled by water spraying	inspections will be	in Charge and	appropriate	be conducted,	(environment)
excavation, land	as needed.	conducted	BPCL	PPE during all	accompanied by photo	country team and
preparation, shade		throughout land		tasks. A	documentation as	PIU and UNOPS
repairs, loading and	II) Appropriate safety gear will be	clearing,		complaint box	evidence.	Colombo team and
unloading of construction	provided to protect workers	earthworks such		will be		BPCL
materials, and machinery	handling waste.	as filling and		available		
installation. Without		compaction, as		on-site and		
adequate controls, these	III) Regular maintenance of all	well as during		action taken		
activities can significantly	machinery will be conducted to	fabrication and		history		
affect air quality,	minimize emissions and ensure	transportation,				
potentially posing health	efficient operation.	with inspections				
risks to both workers and		occurring every				

Anticipated E&S Risks	Risk Mitigation & Management	Impact Mitigation		Impact/Mitigat	Impact/Mitigation Monitoring			
& Impacts	Measures	Location/Timing/	Responsibility	Aspects /	Methodology, including	Responsibility		
		Frequency		Parameters to	Location &			
				be monitored	Frequency			
surrounding communities.	IV) Although the site is located in	two weeks during						
	an abandoned factory area, a	the construction						
	complaint box will be installed to	phase.						
	address any community							
	concerns.							
Noise and vibration from	I) Construction activities will be	During	Site Engineer	Noise	Monthly site visits will	Technical expert		
activities such as brick	restricted to daytime hours to	intermittent	in Charge and	monitoring	be conducted,	(environment)		
crushing, RCC mixing,	minimize disturbances to the	daytime activities	BPCL	records	accompanied by photo	country team and		
excavation, material	surrounding community.	throughout the			documentation as	PIU and UNOPS		
handling, and heavy		three-month		Action taken if	evidence.	Colombo team and		
machinery operations may	II) Noise levels at the site	construction		any complain		BPCL		
create a public nuisance.	boundary will be maintained	period. This		raise				
	below 75dB(A) during the day, in	includes brick						
Additional noise and	accordance with the Bangladesh	crushing, RCC						
vibration from repair work	Noise Pollution (Control) Rules	mixing,						
and installing structural	2006.	excavation,						
elements like roofs,		material handling,						
windows, and ceilings	III) Low-noise equipment will be	and heavy						
could further disturb the	selected and utilized to reduce	machinery						
surrounding environment.	noise emissions.	operations,						
		particularly during						
	IV) Regular noise level	the installation of						
	monitoring will be conducted	structural						
	on-site to ensure compliance	elements like						
	with noise control measures.	roofs, windows,						

Anticipated E&S Risks	Risk Mitigation & Management	Impact Mitigation		Impact/Mitigation Monitoring			
& Impacts	Measures	Location/Timing/	Responsibility	Aspects /	Methodology, including	Responsibility	
		Frequency		Parameters to	Location &		
				be monitored	Frequency		
		and ceilings.					
Soil and water	I) Construction wastewater will	On-site,	Site Engineer	Physical	Daily process	Technical expert	
contamination, along with	be directed to a dedicated	specifically around	in Charge and	observation	inspections	(environment)	
potential mosquito	sedimentation pit to prevent soil	the sedimentation	BPCL	records		country team and	
breeding, due to the	and water contamination.	pit and water			Monthly site	PIU and UNOPS	
generation of wastewater	II) The sedimentation pit and	channels,			visit	Colombo team and	
during construction.	surrounding areas will be cleaned	throughout the				BPCL	
	daily to remove potential	entire					
	mosquito breeding sites.	construction					
	III) Drainage channels will be	period (3 months).					
	maintained to ensure proper						
	water flow and prevent						
	stagnation.						
	IV) Mosquito repellents and						
	larvicides will be applied to						
	stagnant water areas as needed.						
Risk of physical injury and	I. Equip all workers with	On site during	Site Engineer	Wearing PPE	Daily	Technical expert	
psychological stress	necessary personal protective	construction (3	in charge and	during	inspection	(environment)	
related to the health and	equipment (PPE), including	Months).	Contractor	construction		country team and	
safety of workers during	helmets, gloves, safety boots,			activities	Monthly Site	PIU and UNOPS	
construction, electrical	goggles, and high-visibility vests				visit By	Colombo team and	
wiring, and machinery	to reduce the risk of physical			Availability of	country team	BPCL	
setup.	injuries.			First	and photo		
	II. Implement strict safety			Aid box ,	evidences		
	protocols for all electrical wiring			Accident			

Anticipated E&S Risks	Risk Mitigation & Management	Impact Mitigation		Impact/Mitigation Monitoring		
& Impacts	Measures	Location/Timing/	Responsibility	Aspects /	Methodology, including	Responsibility
		Frequency		Parameters to	Location &	
				be monitored	Frequency	
	activities.			register	Daily records	
	III. Ensure accessible first aid kits				indicating the discussed	
	are available on-site.			Daily checking	and	
	IV. Provide proper sanitary			of	site	
	facilities and access to safe			water	examination	
	drinking water.			accumulated	records	
	V. Offer adequate, well-ventilated			places and		
	workspaces, clean eating areas,			cleaning	Photos/	
	and separate sleeping areas (if				physical	
	necessary) for workers' comfort				checking	
	and well-being.					
Social and health impacts	I. Provide well-maintained	On-site	Site Engineer	Availability of	Daily monitoring,	Technical expert
related to worker hygiene	sanitation facilities, including	throughout the	in charge and	adequate	Observation during the	(environment)
and sanitation conditions	hand washing stations, to ensure	three-month	Contractor	sanitary	site visit	country team and
	cleanliness and hygiene.	construction		facilities		PIU and UNOPS
	II. Ensure a continuous supply of	period.		Access for safe		Colombo team and
	clean drinking water for workers.			drinking water		BPCL
Psychological, physical,	I. Conduct daily briefings for	On-site	Site Engineer	Action taken	Monthly site visit	Technical expert
and social risks arising	workers on safeguarding and	throughout the	in charge and	against		(environment)
from sexual exploitation	prevention of SEA and SH.	three-month	Contractor	complain		country team and
and abuse (SEA) and	II. Appoint a dedicated	construction	and	registered		PIU and UNOPS
incidents of sexual	safeguarding focal point from	period.	Engineering			Colombo team and
harassment (SH).	BPCL to address, manage, and		Manager from	Appointed		BPCL
	monitor complaints.		BPCL	contract point		

Anticipated E&S Risks	Risk Mitigation & Management	Impact Mitigation		Impact/Mitigation Monitoring		
& Impacts	Measures	Location/Timing/	Responsibility	Aspects /	Methodology, including	Responsibility
		Frequency		Parameters to	Location &	
				be monitored	Frequency	
				and records.		
Potential health issue	I. Conduct awareness sessions on	On-site	Site Engineer	Meetings and	Monthly site visit	Technical expert
related to labor influx	communicable diseases for all	throughout the	in charge and	awareness		(environment)
	workers.	three-month	Contractor	records		country team and
		construction				PIU and UNOPS
		period.				Colombo team and
						BPCL

## 4.2 Operational Phase

Anticipated E&S Risks	Risk Mitigation & Management	Impact Mitigation		Impact/Mitigation Monitoring		
& Impacts	Measures	Location/Timing/ Frequency	Responsibility	Aspects / Parameters to be monitored	Methodology, including Location & Frequency	Responsibility
Potential water and soil	I. Install and operate an on-site	These measures	Hub Manager	Water quality	Analytical reports of	Technical expert
pollution due to	wastewater treatment plant	will be		testing report	treated water once in	(environment)
wastewater generated	(WTP) to ensure that all	implemented		for the	3 month	country team and PIU
from plastic cleaning and	wastewater from the plastic	on-site with		following		and UNOPS Colombo
washing processes, with	washing line is treated to meet	continuous		parameters:		team and BPCL
risks of contaminating the	the discharge standards	monitoring and		pH, DO		
adjacent canal. Discharge	outlined in the Environmental	testing of treated		(Dissolved		
of untreated wastewater,	Conservation Rules (ECR) 2023,	wastewater		Oxygen), BOD		
including microplastics	thus preventing pollution of the	throughout the		(Biochemical		
and labels, may adversely	canal.	operation phase		Oxygen		
impact the canal's	II. Routinely monitor and test	to ensure		Demand), COD		
ecosystem, potentially	treated wastewater before	compliance with		(Chemical		
harming aquatic life and	discharge to confirm it complies	environmental		Oxygen		
degrading water quality.	with environmental standards,	standards		Demand), and		
	with additional precautions	(ECR-2023) and		TDS (Total		
	taken during rainy seasons to	protection of the		Dissolved		
	avoid accidental runoff into the	canal ecosystem.		Solids).		
	canal.					
	III. Capture microplastics during					
	the treatment process and					
	securely store them in sealed					
	containers to prevent any					

Anticipated E&S Risks	Risk Mitigation & Management	Impact Mitigation		Impact/Mitigation Monitoring			
& Impacts	Measures	Location/Timing/ Frequency	Responsibility	Aspects / Parameters to be monitored	Methodology, including Location & Frequency	Responsibility	
	release into the environment. IV. Collect labels and other non-recyclable materials separately and store them in sealed containers for safe, controlled disposal, minimizing any chance of leakage or exposure to the canal. V. Regularly inspect and maintain drainage systems and containment structures to prevent accidental spillage or overflow into the canal.						
Depletion of groundwater resources due to water use in the operation of the washing line, wastewater treatment plant (WTP), and sanitation facilities.	I. Implement a water reuse system that recycles treated wastewater from the WTP back into the washing line to significantly reduce the need for groundwater extraction.	On-site, with continuous reuse of treated wastewater in the washing line throughout the operation phase.	Hub Manage	Amount of water reused	Report of total water consumption vs reused water	Technical expert (environment) country team and PIU and UNOPS Colombo team and BPCL	

Anticipated E&S Risks	Risk Mitigation & Management	Impact Mitigation		Impact/Mitigation Monitoring			
& Impacts	Measures	Location/Timing/	Responsibility	Aspects /	Methodology.	Responsibility	
		Frequency	,	Parameters to	including	,	
		,		be monitored	Location &		
					Frequency		
Public disturbance and	I. Specify low-noise emission	On-site during	Hub Manage	Reports,	Examination of	Technical expert	
potential health risks to	standards as a requirement in	facility operations		Complain	Documents/reports/co	(environment)	
workers due to noise and	the procurement and bidding	and throughout		register	mplaints	country team and PIU	
vibration from facility	process for machinery to limit	the machinery				and UNOPS Colombo	
machinery operations.	noise generation at the source.	procurement		Noise level at	Noise measurement	team and BPCL	
	II. Maintain noise levels at the	process,		RBU and its	report		
	site boundary below 75dB(A)			periphery area			
	during daytime hours, in	Ongoing					
	accordance with the Bangladesh	measures applied		Use of PPE			
	Noise Pollution (Control) Rules	during machine					
	2006.	operations.					
	III. Provide personal protective						
	equipment (PPE), including						
	earplugs and noise-canceling						
	earmuffs, for workers exposed						
	to elevated noise levels.						
Health risks from indoor	I. Assess the adequacy of the	On-site,	Hub Manage	Exhausted fans	Examination of	Technical expert	
air pollution during plastic	existing natural ventilation	continuously		are	Documents/reports/co	(environment)	
processing activities,	system to ensure sufficient air	during facility		operational,	mplaints	country team and PIU	
including sorting and	circulation during processing	operation.				and UNOPS Colombo	
crushing and baling.	activities.			Workers are	Health report in focus	team and BPCL	
	II. If natural ventilation is			wearing PPE	of respiratory issues		
	insufficient, install additional						
	mechanical ventilation systems				Monthly on site visit		

Anticipated E&S Risks	Risk Mitigation & Management	Impact Mitigation		Impact/Mitigation Monitoring		
& Impacts	Measures	Location/Timing/ Frequency	Responsibility	Aspects / Parameters to be monitored	Methodology, including Location & Frequency	Responsibility
Physical, mental, and hygienic risks associated with the health, safety, and hygiene of workers during operations, including sorting, crushing, baling, treatment, loading, and unloading activities.	<ul> <li>as needed to maintain air</li> <li>quality.</li> <li>III. Provide workers with</li> <li>appropriate personal protective</li> <li>equipment (PPE), such as masks</li> <li>and respirators, to reduce</li> <li>exposure to airborne pollutants.</li> <li>I. Provide essential PPE and</li> <li>prepare safety guidelines,</li> <li>accompanied by daily safety</li> <li>briefings for all workers.</li> <li>II. Conduct regular medical</li> <li>check-ups for employees to</li> <li>monitor and maintain their</li> <li>health.</li> <li>III. Offer first aid training and</li> <li>ensure first aid kits are easily</li> <li>accessible on-site.</li> <li>IV. Conduct fire safety training,</li> <li>and install appropriate fire</li> <li>extinguishers, fire hydrants, and</li> <li>clear instruction charts.</li> <li>V. Deliver safety and safeguard</li> </ul>	At the Recycling Business Unit, with daily implementation and continuous availability throughout operational activities.	Hub Manage, Gender Focal point and CDIP	Workers wearing PPE during operational activities, Sign board are hanged in workplace, Training Record, Accident register,	and observation Monthly site visit including physical inspection and record checking as well as consultation with workers	Technical expert (environment) country team and PIU and UNOPS Colombo team and BPCL
	protocol training to all			Availability if		

Anticipated E&S Risks	<b>Risk Mitigation &amp; Management</b>	Impact Mitigation		Impact/Mitigation Monitoring			
& Impacts	Measures	Location/Timing/ Frequency	Responsibility	Aspects / Parameters to be monitored	Methodology, including Location & Frequency	Responsibility	
Deduced word former	employees. VI. Implement an accident reporting mechanism to ensure prompt response and management of incidents. VII. Maintain clean and sanitary facilities, including separate washing areas for male and female workers, along with continuous access to safe drinking water.			first aid box and it inventory	Descent charalting	Tackating	
participation, increased absenteeism, and stress among women workers with child due to lack of adequate childcare support	childcare center within the business unit to provide dedicated support for workers with young children. II. Employ trained and certified childcare professionals to manage and supervise the facility. III. Equip the childcare center with essential resources, including safe drinking water and educational materials, to	Business Unit (RBU), in a designated area separate from the processing unit, with daily operation and support for workers.	Child care attendant, CDIP	book and physical observation once in three months	Report checking	(environment) country team and PIU and UNOPS Colombo team and BPCL	

Anticipated E&S Risks	Risk Mitigation & Management	Impact Mitigation		Impact/Mitigation Monitoring			
& Impacts	Measures	Location/Timing/ Frequency	Responsibility	Aspects / Parameters to be monitored	Methodology, including Location & Frequency	Responsibility	
	promote the well-being and						
	development of the children.						
Possibility of social	I. Organize regular worker	At the Recycling	Hub Manage,	Availability of	Monthly visit and	Technical expert	
challenges associated with	meetings and awareness	Business Unit	Gender focal	meeting and	review the documents	(environment)	
an influx of labor	sessions focused on	(RBU), with	point, CDIP	training		country team and PIU	
	communicable disease	ongoing		record,		and UNOPS Colombo	
	prevention and health practices.	implementation				team and BPCL	
	II. Provide education and	throughout the		Records on			
	training on preventing and	operational		gender			
	responding to gender-based	period.		awareness,			
	violence (GBV).						
	III. Develop a gender action plan			Selection			
	and appoint a safeguarding			criteria for			
	focal point to address and			recruitments			
	prevent sexual exploitation (SE)						
	and gender-based violence.						
	IV. Prioritize hiring from the						
	local community to reduce						
	social disruption and foster local						
	engagement.						
Gender discrimination in	I. Develop and enforce	At the Recycling	Hub Manage,	Availability of	Regular monitoring	Technical expert	
employment	non-discriminatory guidelines	Business Unit	Gender focal	safeguarding		(environment)	
opportunities and wages	for recruitment processes and	(RBU), with	point and CDIP	policy and its		country team and PIU	
	operational practices, ensuring	ongoing		implementatio		and UNOPS Colombo	

Anticipated E&S Risks & Impacts	Risk Mitigation & Management Measures	Impact Mitigation		Impact/Mitigation Monitoring		
		Location/Timing/ Frequency	Responsibility	Aspects / Parameters to be monitored	Methodology, including Location & Frequency	Responsibility
	equal treatment across all worker levels. II. Implement policies for equal pay, ensuring that male and female employees receive the same wages for equivalent roles and responsibilities. III. Establish a confidential complaint box to enable workers to report gender-related concerns safely and anonymously.	application throughout all employment practices and operations.		n		team and BPCL

#### 5. Capacity Development & Training

To ensure the successful implementation of the Cox's Bazar Recycling Business Unit (RBU) by Bangladesh Petrochemical Company Ltd (BPCL), comprehensive capacity-building and training programs are necessary. These programs will focus on skill enhancement, health and safety, gender equality, and environmental sustainability.

- 1. Training on machine operations and procedures, covering the handling of plastic materials, including receiving, sorting, baling, feeding into the washing line, and operating the wastewater treatment plant (WTP).
- 2. Guidance on water reuse mechanisms, quality control processes, housekeeping practices, and environmental protection standards.
- 3. Training on safeguard measures, first aid, and emergency preparedness, including regular fire drills and response protocols.
- 4. Orientation on safe handling and use of personal protective equipment (PPE).
- 5. Sessions on recognizing, preventing, and responding to sexual exploitation, abuse (SEA), and sexual harassment (SH).
- 6. Awareness programs focused on preventing gender-based violence (GBV) and implementing response measures.
- 7. Training on record keeping, log book maintenance, and the management of complaint systems, including the maintenance of the complaint box.
- 8. Orientation on the importance of sustainable waste management, pollution control, and maintenance of natural resources.

#### 6. Implementation Schedule and Cost Estimates

Item		Timeline	Cost
1.	Mitigation Measures <i>(Construction Stage)</i> : Includes noise testing, PPE provision, first aid facilities, social and sanitation facilities, and tree planting to mitigate construction impacts.	July-September 2024	USD 200
2.	Machine Installation: Provision of PPE and noise measurement during the setup phase.	August, 2024	USD 150
3.	Facility Operation and Management: Controls for noise and vibration, waste management and disposal, fire extinguishers, first aid, emergency control measures, sign boards, social and gender-related initiatives, and PPE.	September, 2024	USD 1150
4.	Wastewater Treatment and Analysis: Ongoing treatment and quality analysis of wastewater generated from operations.	October 2024 - January, 2025	USD 550
5.	Capacity Development and Training: Completion of training sessions and programs for employees	Up to end of January	USD 250

covering all operational, health, safety, and	
environmental standards.	

#### 7. Attachments

- Land Agreement
- Trade Licence
- NOC from Local Govt
- Initial Site Survey
- Drawing
- BOQ

### IV. Review & Approval

Shared By: Engr. Aminul Islam Sohan Position: Project Manager, Bangladesh Petrochemical Company Ltd (BPCL)		
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<b>Reviewed By</b> : Md. Obidul Islam Position: Project Manager Date:	Approved By: Kapila Rajapaksha Position: Environment and Social Development Specialist- PIU-SACEP Date	