Integrated Rurban Development and Climate Resilience Project (IRDCRP)
Ministry of Agriculture, Livestock, Lands and Irrigation



Environmental and Social Screening Report (ESSR) and Environmental and Social Management Plan (ESMP)

Rehabilitation of Pulichchakodichenai Tank-Batticaloa District

(Department of Agrarian Development)

August 26, 2026

Contents

Section 1: Project Area Identification 2

Section 2: Beneficiary Details 2

Section 3: Cyclone Damage Assessment (Physical) 3

Section 4: Planned Engineering Works 4

Section 5: Environmental Safeguard Screening 4

Section 6: Social Safeguard Screening 15

Section 7: Screening Decision 19

Requirements of Mandatory Approvals / Consents / Requests from Key Stakeholders 23

Annex 01: Farmers Request Letter to Rehabilitate the Anicut and Canal 24

Annex 02: Mandatory Approvals / Consents Community /Consultation Meeting Attendance Sheet 25

Annex 03: Photo Evidence of Meetings 26

Annex 04: Site Plan 27

Annex 05: Rehabilitation Work Estimate (BOQ) 28

Annex 06: Engineering Drawings 35

Annex 07: Environmental and Social Management Plan 45

Section 1: Project Area Identification

i	River Basin	:	Mundeni Aru River	
ii	Name of the Tank & Cascade Name (if applicable)	:	N/A	
iii	Tank ID No:		N/A	
iv	Implementation Agency	:	Department of Agrarian Development	
v	District	:	Batticaloa	
vi	Divisional Secretariat	:	Eravur Pattu	
vii	ASC division	:	Vantharumeelai	
viii	GN division	:	Eralakulam	
ix	GPS Coordinates	:	7.79805	81.47872
x	Name of the Farmer Organization	:	Sinnaturai Chenai Farmer's Organization	

Section 2: Beneficiary Details

i	No. of Beneficiaries	Direct	:	Male:237	Female:242	Families: 120	
		Indirect	:	Male:71	Female:73	Families: 36	
		Total Population	:	623			
		Families	:	156			
ii	Demographic information of the Project Impact Area (Families/ HH)	Ethnicity	:	Sinhala:	Tamil: - 100%	Moors: -	Other: -
		Religion	:	Buddhist:	Catholic: -	Hindu: - 100%	Islamic: -
iii	What are the main sources of livelihood in the area?		:	Paddy - Yes	Tea	Rubber	Coconut
				Fruits -	Vegetables	Maize - Yes	
				Other:	Peanuts, Cowpea		

Section 3: Cyclone Damage Assessment (Physical)

Impact Area	Status (Yes/No)	Severity (High/ Med/Low)	Description of Damage	Please insert photographs as applicable
Bund Erosion/Breach	No		No tank bund restoration/rehabilitation/improvement works are included in the BOQ. Also, as observed, no damages in the bund affecting the water retention.	See Figure 01
Sluice Gate Damage	No		In the BOQ it has been included construction of tower sluice, and as per the DAD officers, this sluice will be a new construction.	
Spillway Damage	Yes	High	The spill is highly damaged and the spillway is eroded, and the both are needed to be rehabilitated. Farmers have temporarily restored this spill using sand bags, but, as observed they are not effective as constructed spill. Accordingly, it has been planned to improve the spillway along with riprapping, constructing the spillway embankment with turfing to prevent erosion.	
Canal Network	Yes	Minor	It has been proposed to improve the canals along with of 255m of concrete lining construction. As per the DAD officers this construction is also a new one to ensure effective drain out of irrigation water. In addition to the construction of lined canals, 07 Nos. of farm turn outs will be constructed associated with this	

			canal.
Siltation Level	No	-	
Damages to Agri Roads	No		Not damaged but it has been proposed to improve 550m section of the Agri Road including drainage improvement associated with the road by means of constructing 02 Nos. of single box culverts and 2 Nos. of 600mm Hume pipe culverts.
Damages to farmlands/paddy fields/cattle sheds, etc.	No		

Section 4: Planned Engineering Works

Summary of the planned engineering works (If available, attach the Bill of Quantities (BoQ) and approved engineering designs as annexures).

Find Annexes 05 and 06 below.

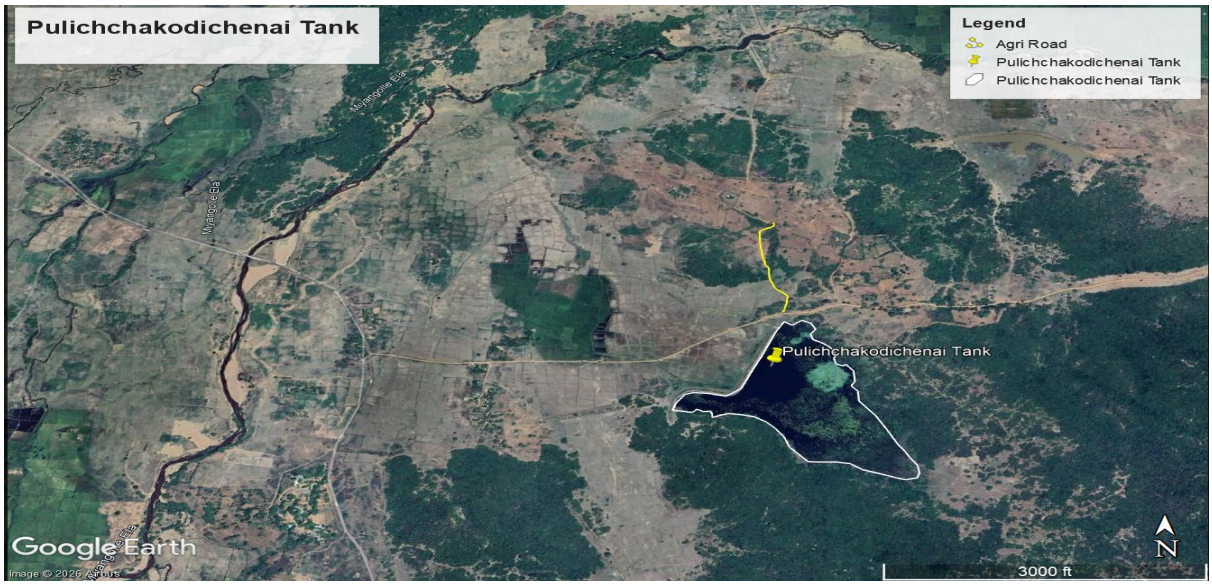
Section 5: Environmental Safeguard Screening

Screening Questions	(Yes/ No)	Scale of Impact	Remarks
A. Ecological Sensitivity			
Proximity to Protected Areas: Is the tank located within or adjacent to a sanctuary, national park, forest reserve, wetland or any other such sensitive area?	Yes	Nil	The project site including the tank, spill and spillway, Agri road, etc. are not located within or adjacent to a sanctuary, national park, forest reserve, wetland or any other such sensitive area. However, a forested area is available at the upstream catchment of the tank, of which the name is unknown even by the locals. This forested area will not be influenced by the project activities, as the proposed

			project activities are confined the downstream of the tank, where consists predominantly paddy fields. Also, there are no forested areas associated with the Agri road other than the scrub vegetation along the shoulders of the road. Beside to the above, a water body known Miyanagolle Stream flows about 1.5 Kms from the tank bund, which is beyond the project activities; thus, no project induced impacts on this water body. Map No. 01 and Map No. 02.
Removal of Vegetation: Will rehabilitation require clearing of vegetation and/or removal of trees? If yes, please provide an estimate of the number of trees to be felled and their species.	No	Nil	No removal of trees are intended. Other than clearing jungle/shrub vegetation along the Agri road. Also, no such clearing of vegetation is associated with the other construction works as such construction works are in non-vegetative areas.
Impact on Biodiversity: Are there known sightings of threatened species (e.g., specific migratory birds or endemic and/or endangered species) that can be affected due to proposed rehabilitation works?	No	Nil	The proposed project is located within the dry zone of Sri Lanka, moreover having harsh environmental condition. The flora in the surrounding areas are featured dry zone forest species. With respective to faunal species, as per the Framers Organization, elephants are more frequent in the project area, which was evidenced by the electric fence exists along immediate downstream of the tank bund. As per the Framers Organization, elephants are visited to this project area especially during the time of paddy cultivation.

Is the tank location recognised as an HEC area? • Red Zone: Areas where elephants are currently "stuck" due to Cyclone Dithva (flooded forests). • Green Zone: Safe entry points for construction vehicles. • Yellow Zone: Areas where elephants cross the tank bund at night.	Yes		The Framers Organization stated that, even though elephants are available in the project area no Human-elephant conflicts has been recorded damaging to any of the patty. However, the project area can be recognized as Yellow Zone.
B. Water and Soil			
Water Quality: Is there visible contamination (debris, carcasses, mud, or chemical runoff) caused by the cyclone?	No		
Soil Disposal: Does the project involve desilting of canals, or tank bed or any area around the tank? If so, is there a designated site (on-site or off-site) for safe disposal of silt away from the tank bed?	Yes		Stripping and excavation will be conducted associate with sluice construction, construction of spill and spillway, line canal and Agri Road and its drainage structures, basically. Any such excavated soil that is unsuitable for backfilling or other project activities must be properly disposed of. However, no disposal sites have been identified to-date.
Will the proposed rehabilitation works generate any other types of solid waste (e.g., construction debris, cleared vegetation, or non-biodegradable materials)? What are the proposed measures for their collection, transport, and final disposal?			The main types of solid waste generated by the project activities include plant debris, construction debris, and general domestic waste from the workforce. Since the project area is unpolluted and wild species are frequent in the project area, it is vital to dispose of such solid wastes away from the project site in an environmentally sound manner. However, to date no disposal sites have been identified, but required to do so prior to commence construction activities.

Groundwater: Will the works temporarily disrupt local domestic wells?	No	N/A	
C. Social and Cultural Safeguards			
Was any "Archaeological Reserve" or Physical cultural assets, including religious sites near the tank damaged?	No	N/A	No archaeological reserve or culturally important places are within to in the vicinity to the project site. A religious place is available about 500m from the tank, particularly upstream side of the tank.
Will the proposed activities cause Noise? Vibration? dust emission? Release of light? Heat energy? Electromagnetic radiation?			There are no residential activities close to the project construction area. The nearest housing units, as observed, are located more than 500 meters from the project's construction footprint. Thus, noise, vibration and dust generated from the construction activities may not bring about adverse impacts on such residential units. Nevertheless, fugitive dust emission during material hauling on the public roads and unpaved section of the access road to the tank may be severe during material hauling, affecting to the people resides alongside of such road. Since water sprinkling over the unpaved access road are not practical due to water scarcity in the project area, and also such practice is not cost effective, it is essential to properly cover the material hauling trucks along with adopting speed limits to control dust emission, as a best practice.



Map 01: Project Site



Map 02: Surrounding Environmental Features of the Project Site



Bund of the PulichchakodichenaiTank



Damaged spill



Eroded spillway



Eroded spillway



Agri road to be rehabilitated provided with drainage structures

Figure 01: The Present Condition of the Tank and its Structures



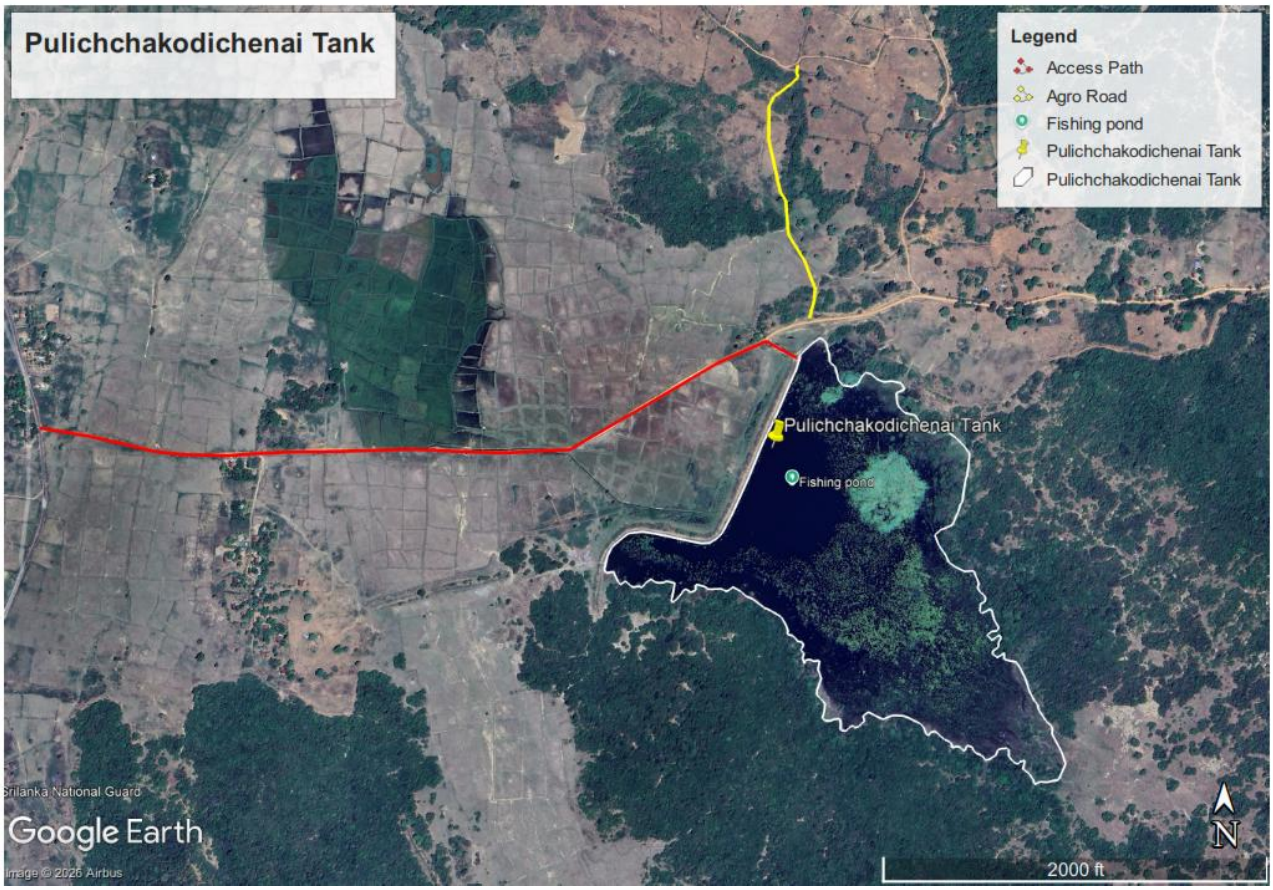


Figure 02: Site Access



Scrub vegetation along the Agri road



Electric fence erected along the downstream of the tank bund



Paddy fields at the downstream of the tank



Cattle grazing in the tank bed and the forested area in the upstream catchment of the tank



Cattle grazing in the tank downstream

Figure 03*:* Surrounding Environment of the Pulichchzkodichenai Tank

Section 6: Social Safeguard Screening

Will the project adversely impact nearby settlements, sensitive locations, private land, trees, livelihoods, agricultural activities, or community gathering spaces?

Properties	**Number of Structures (Socially sensitive locations) in the Immediate Vicinity of the proposed project site**		
	0–50m radius	**50–100m radius**	**100–250m radius**
Residential Houses*	-	-	-
Commercial Structures	-	-	-
Religious Places (Temple/Kovil/Mosques, etc.)*	-	-	-
School/preschool/any other public gathering points	-	-	-

* There are a few scattered residential housing units situated to the east of the tank, beyond the 250 m buffer. Given this sufficient physical separation, along with the localized nature of the proposed rehabilitation works, no adverse structural impacts or major construction-related disruptions (such as excessive noise or vibration) are anticipated on the settlement.

However, localized dust emissions may occur during execution. To mitigate this, strict dust control measures will be enforced, including regular water sprinkling across the site and covering transported construction materials with tarpaulins.

**Within this same settlement a local religious institution is located, the Village Kovil. Because construction activities will be confined to the immediate tank area and managed within standard operational bounds, ongoing religious activities, daily rituals, and community gatherings will proceed without disruption or access restrictions. Other than to the Kovil, there are no other major public gathering locations in the immediate vicinity of the rehabilitation site.

Screening of Land Acquisition, Restrictions on Land Use, and Involuntary Resettlement

Provide answers for the questions below the table regarding potential impacts from the sub-project: If needed, attach relevant annexes.

#	Potential Impacts	Yes	No	Details
	Land-related impacts.			
01	Will the sub-project include any physical construction work?	Yes		Project intends to construct a new sluice and 255 m concrete lined canal and 07 Nos. Farm turnout structures as new constructions.
02	Does the intervention include upgrading or rehabilitation of existing physical facilities	Yes		Spill and spillway, Agri road provided with drainage structures, etc. are the main existing structures which are to be rehabilitated/upgraded under the project..
03	Does the subproject require land acquisition or land-related impacts for development (public or private, temporary or permanent)?	No		All project works are within the reservation of the tank and its structures.
04	Does the subproject cause house demolition (including operating and non-operating ones) due to development?	No		
05	Is the subproject likely to cause partial or full damage to, or loss of, housing, shops, or other resource use?	No		
06	Is the site chosen for this work free from encumbrances and in possession of the implementing agency?	Yes		The project site is encumbrance-free and remains completely under the administrative authority of the Department of Agrarian Development.
07	Will there be any impacts on cultural or community properties or facilities?	No		No such cultural or community properties or facilities in the vicinity to the project site.
08	Is land for material mobilization or transport for the civil work available within the identified work site/right of way?	Yes		Roads are available up to the tank for uninterrupted material hauling and also adequate lands

				are available within the downstream tank reservation to stockpile material.
	Livelihood-related impacts			
09	Will the project's implementation disrupt the income generation process or the income generation of those already employed?? (Enter the number of expected persons and current details.)	No		The tank rehabilitation project will positively impact on the people especially the farmers, whose livelihood is depended on the tank water for agriculture.
10	Is that an effect that is permanent? Are there existing settlements or socially sensitive locations near the project area?	Yes		Increase of the income/ livelihood due to the rehabilitation of the tank will moreover be permanent.
11	Is that an effect that is temporary?	N/A		
12	Are there squatters residing or conducting business that may face partial or complete disruption due to the construction?	N/A		
13	Will there be damage to agro-industrial land, permanent crops, valuable timber trees, etc.?	N/A		
14	Has a survey been conducted to provide financial assistance to individuals or businesses whose their livelihoods are adversely affected?	N/A		
15	Will improvements to tank bund including the head works and rip rap structures require the water level in the reservoir to be artificially drawn down?		No	The spillway works typically require a water drawdown. However, the tank currently holds only baseline water levels due to spill damage during Cyclone Dithwah and also prevailing drought conditions. Consequently, no artificial drawdown will be necessary to execute the project works.
18	Will intervention require temporary suspension of water issuance for irrigation in the canal? (Diminishing water for downstream water uses such as bathing, drinking water supplies, irrigation of		No	The DAD standardly schedules rehabilitation works during the off-season to avoid disruption to irrigation water supplies.

	home gardens, etc.).			However, as the tank currently lacks adequate water for cultivation, farmers are unable to undertake farming activities this season. Consequently, the proposed rehabilitation works will not cause any temporary suspension or disruption of irrigation water issuance or downstream water uses.
19	Will there be changes to original design levels of the head works that will result in inundation of new land in the catchment?		No	
20	Will the rehabilitated scheme serve new areas of paddy under its command?		No	
	Social impacts			
21	Will the surrounding community lose its facilities and services or access to natural resources?		No	
22	Is the loss of those accesses permanent?	N/A		
23	Is the loss of those accesses temporary?	N/A		
24	Will there be any impact on common community properties, amenities, or cultural activities?	N/A		
25	Is that an adverse social effect permanent or temporary?	N/A		

Section 7: Screening Decision

Environmental Safeguards Compliance.

1. Project Context and Intervention

2. Ecological and Biological Considerations

- Protected Areas:

The project site/foot print is not located within or adjacent to any protected area. Also, the forested area in the upstream section of the tank catchment will not be influenced by the project activities as all the project activities are planned and designed to be implemented at the downstream of the tank, where dominated by manmade environments especially paddy fields.

- Flora and Fauna:

The floral species in the project area are not diverse and abundance, and common to dry zone forests in the country. Moreover, as such tree removal is required to execute the project, other than light jungle clearing, which includes clearing of shrubs and herbaceous plants to facilitate the intended construction works.

Key faunal considerations in the project area include the presence of elephants and snakes. No direct adverse impacts on these species are anticipated; however, standard mitigation measures are required to safeguard the workers against potential elephant attacks and snakebites.

Moreover, the flora and fauna in the project area are typical of Sri Lanka's dry zone forest ecosystem. However, due to the following facts the impacts on the fauna and flora by the project activities are to be considered insignificant.

- The project activities will not extend to the forested areas at the upstream of the project.
- Less floristic diversity in the project area, and only light jungle clearing will be followed, basically to remove the shrub and herbaceous plants to facilitate construction works.
- All the planned project activities are restricted to their existing foot prints.

3. Physical Environment and Site Constraints.

- **Erosion Risk:**

Clearing and grubbing, and soil excavation may result in soil erosion, especially if such activities are carried out during the rain. In addition, haphazard stockpiling of stripped/excavated material and construction materials, along with improper disposal, can aggravate erosion. However, these impacts can be effectively controlled by avoiding particular activities during rain, while implementing site-specific erosion control measures (such as covering stockpiles with tarpaulins) and ensuring timely disposal at designated sites.

- **Logistics:**

Following the Trincomalee- Batticaloa Road (A15) the site can be accessed through a by-road falls up to the tank. Therefore, material transportation is not an issue. Also, the required lands for material stockpiling are available within the tank reservation.

4. Waste and Resource Management

- **Debris:**

Plant debris and unsuitable materials generated from the clearing and grubbing activities need to be disposed of in designated disposal sites. Identification of such sites should be done before commencing construction.

- **Material Re-use:**

Excavated soil will be tested for suitability and reused as backfill where possible. Any surplus soil will be disposed of at pre-approved sites identified prior to construction.

5. Occupational Health and Safety (OHS).

Due to the site conditions, the following OHS measures are mandatory for the workforce:

- Throughout the construction period, it is essential to conduct toolbox meetings for the workers to make them aware of project safety aspects and road safety aspects before mobilizing in day-to-day activities.
- The workers should be made fully aware of the wild elephants in the area and how to be vigilant about them and protective measures.
- Snake bites may be possible; thus, the project workers should be provided with appropriate personal protective equipment (PPE) to protect them from snake bites.
- The project workers should be provided with appropriate PPE to protect them from injuries.
- Basic 1st Aid material shall be kept at the site for easy access by the workers.
- Adequate portable water and sanitary facilities should be provided for the project workers.

Final Screening Decision – Environmental aspects

The project is categorized as having minimal environmental risk, and also, it is not a prescribed activity which should undergo EIA/IEE under the provisions of the National Environmental Act as contained in the Gazette No. Gazette Extraordinary No. 772/22 dated 24.06.1993, 859/14 of 23.02.1995 and Gazette Extraordinary No. 1104/22 dated 05.11.1999.

Accordingly, the project could proceed in compliance with the environmental and social impacts mitigation measures as included in the Environmental and Social Management Plan (ESMP) in Annex 07 also by taking the followings facts of the project into consideration.

- The project includes only rehabilitation of the tank's structures totally within their Right of Ways/foot prints, and no project activities are anticipated to extend into the forested area at the tank's upstream.
- Tree removal is not a major project component except for some light jungle clearing (clearing of shrubs).
- The entire interventions of the project are restorative in nature and all environmental impacts resulting out from the project are temporary and reversible which can be mitigated by proper implementation of the mitigation measures included in the ESMP.
- Implementation of this project is vital as it brings about benefits to the farmers, directly, while the wildlife in the area, indirectly.

Social:

Social Assessment & Mitigation Measures

Based on the social screening assessment, the proposed rehabilitation works for the Pulichchakodichenai tank are socially feasible and recommended for implementation. The potential impacts are temporary, site-specific, and manageable through site-level mitigation, while the long-term socioeconomic benefits remain substantial.

Due to spill damages during cyclone 'Dithwah' and also prevailing drought currently tank maintains a significantly low water level, which is insufficient for either agriculture or fishery activities. Consequently, no livelihood disruptions are anticipated during rehabilitation. Furthermore, due to the tank's isolated location, construction-related inconveniences such noise and vibration will not affect nearby communities.

The project must proceed in full compliance with the mitigation measures outlined below, which are integrated into the ESMP.

Key Social Impacts & Mitigation Strategy

- **Mandatory Wildlife Safety Protocols**

The site assessment confirms frequent visits by wild elephants and snakes. Although no direct human-wildlife conflict incidents have been recorded in the immediate area, specialized protocols are mandatory to safeguard the workforce:

  - **Briefings & Group Movement**

Daily morning safety briefings must cover elephant and snake hazard awareness, safe distance maintenance, and designated escape routes. Workers must travel in groups and make moderate noise (e.g., talking) while walking to prevent surprise encounters.

- **Working Hours**

On-site activities must be strictly restricted to daylight hours (7:00 AM – 5:00 PM). No work is permitted at dawn, dusk, or night during peak active hours for wildlife.

- **Agency Consultation**

Consultation with the Department of Wildlife Conservation (DWC) is required to establish comprehensive wildlife mitigation measures.

- **Protective Gear & Site Hygiene:**

- **PPE**

High-ankle safety boots (or snake guards) and heavy-duty gloves are mandatory for all workers clearing brush or moving construction materials.

- **Waste Management**

Food scraps and organic waste must be stored in airtight, secure bins and removed from the site daily to avoid attracting rodents, snakes, or wild elephants.

- **Emergency Preparedness:**

- **First Aid**

Site supervisors must be trained in basic snakebite management (keeping the patient immobilized; no cutting or suctioning). Fully stocked first-aid kits with pressure bandages must be maintained on-site.

- **Emergency Transport**

A dedicated rescue vehicle must remain on standby near the tank bund at all times during working hours.

- **Local Livelihood Integration**

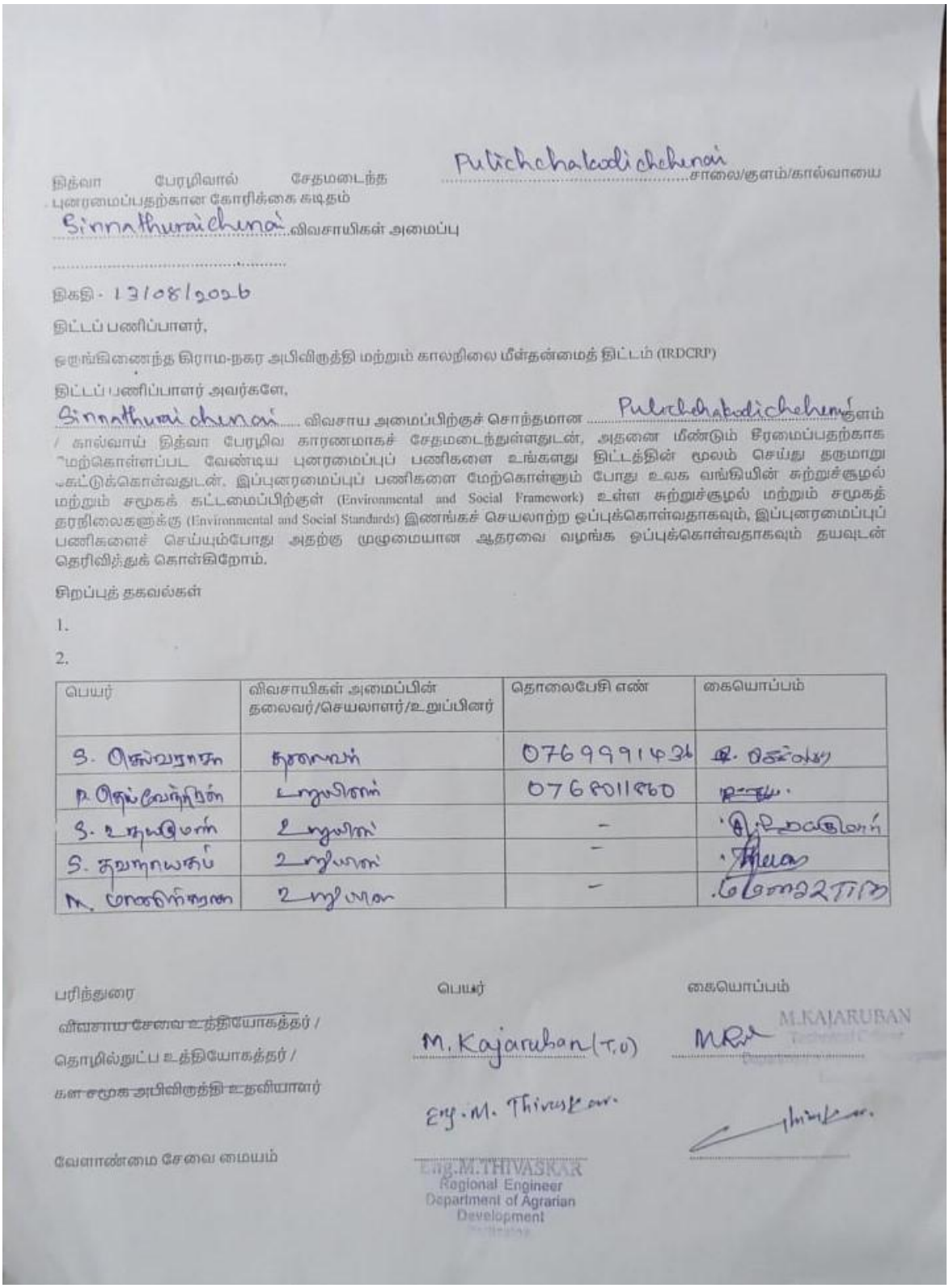
The contractor must prioritize hiring local villagers for both skilled and unskilled labor. Local workers possess crucial contextual knowledge of the terrain, traditional wildlife evasion methods, and elephant movement patterns, which will directly enhance overall project safety.

Requirements of Mandatory Approvals / Consents / Requests from Key Stakeholders

(Attach documentary proof where available.) ***Please refer to Annex 02***

SN	Stakeholder	Requirements			Remarks
		Yes	**No**	**N/A**	
1	Department of Wildlife	Yes			To obtain assistance for making aware of the project workers on elephant attacks/snake bites.
2	Forest Department		No		
3	Farmer Organization		No		The project is directly benefited to the framers
4	Department of Agrarian Services		No		Owner of the project
5	Provincial Irrigation Department		No		
6	Irrigation Department		No		
7	Sri Lanka Mahaweli Authority		No		
8	Divisional Secretary / Divisional Development Committee (DDC)	Yes			To obtain the assistance of the DS/Garma Niladhari for searching appropriate lands to dispose of unsuitable material
9	District Secretary / District Coordination Committee		No		
10	GSMB/CEA	Yes			GSMB • Mining licences for borrow pits/meatal quarries • Borrow material transportation CEA EPL for metal quarries, etc.

Annex 01: Farmers Request Letter to Rehabilitate the Anicut and Canal



நித்வா பேரழிவால் சேதமடைந்த Pulichchakodichchenai சாலை/குளம்/கால்வாயை புனரமைப்பதற்கான கோரிக்கை கடிதம்

Sinnathuraichenai விவசாயிகள் அமைப்பு

திகதி - 13/08/2026

திட்டப் பணிப்பாளர்,

ஒருங்கிணைந்த கிராம-நகர அபிவிருத்தி மற்றும் காலநிலை மீள்தன்மைத் திட்டம் (IRDCRP)

திட்டப் பணிப்பாளர் அவர்களே,

Sinnathuraichenai விவசாய அமைப்பிற்குச் சொந்தமான Pulichchakodichchenai குளம் / கால்வாய் நித்வா பேரழிவ காரணமாகச் சேதமடைந்துள்ளதுடன், அதனை மீண்டும் சீரமைப்பதற்காக மேற்கொள்ளப்பட வேண்டிய புனரமைப்புப் பணிகளை உங்களது திட்டத்தின் மூலம் செய்து தருமாறு கேட்டுக்கொள்வதுடன், இப்புனரமைப்புப் பணிகளை மேற்கொள்ளும் போது உலக வங்கியின் சுற்றுச்சூழல் மற்றும் சமூகக் கட்டமைப்பிற்குள் (Environmental and Social Framework) உள்ள சுற்றுச்சூழல் மற்றும் சமூகத் தரநிலைகளுக்கு (Environmental and Social Standards) இணங்கச் செயலாற்ற ஒப்புக்கொள்வதாகவும், இப்புனரமைப்புப் பணிகளைச் செய்யும்போது அதற்கு முழுமையான ஆதரவை வழங்க ஒப்புக்கொள்வதாகவும் தயவுடன் தெரிவித்துக் கொள்கிறோம்.

சிறப்புத் தகவல்கள்

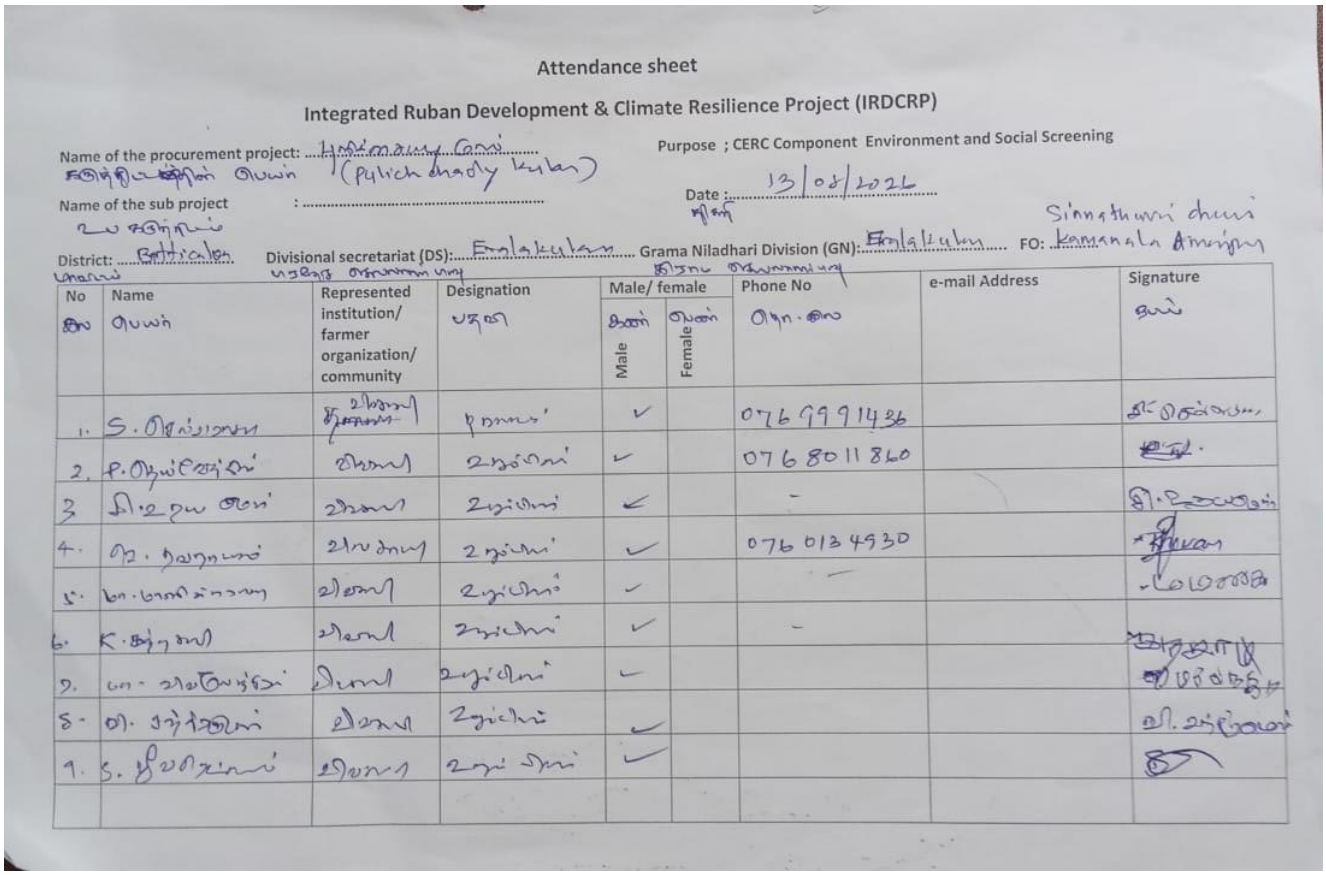
1.

2.

பெயர்	விவசாயிகள் அமைப்பின் தலைவர்/செயலாளர்/உறுப்பினர்	தொலைபேசி எண்	கையொப்பம்
S. கெல்வராசா	தலைவர்	0769991436	[illegible]
P. தெல்வேந்திரன்	உறுப்பினர்	0768011860	[illegible]
S. உதயகுமார்	உறுப்பினர்	-	[illegible]
S. தவராயகம்	உறுப்பினர்	-	[illegible]
M. மாணிக்கரான	உறுப்பினர்	-	[illegible]

பரிந்துரை	பெயர்	கையொப்பம்
விவசாய சேவை உத்தியோகத்தர் / தொழில்நுட்ப உத்தியோகத்தர் / கள சமூக அபிவிருத்தி உதவியாளர்	M. Kajaruban (T.O)	M.KAJARUBAN Technical Officer
வேளாண்மை சேவை மையம்	Eng. M. Thivaskar. Eng.M.THIVASKAR Regional Engineer Department of Agrarian Development	[illegible]

Annex 02: Mandatory Approvals / Consents Community /Consultation Meeting Attendance Sheet



Attendance sheet

Integrated Ruban Development & Climate Resilience Project (IRDCRP)

Name of the procurement project: [illegible] (Pulich chady kulam)

Purpose ; CERC Component Environment and Social Screening

Name of the sub project :

Date : 13/08/2026

District: Batticaloa

Divisional secretariat (DS): Eralakulam

Grama Niladhari Division (GN): Eralakulam

FO: Kamanala Amirpur

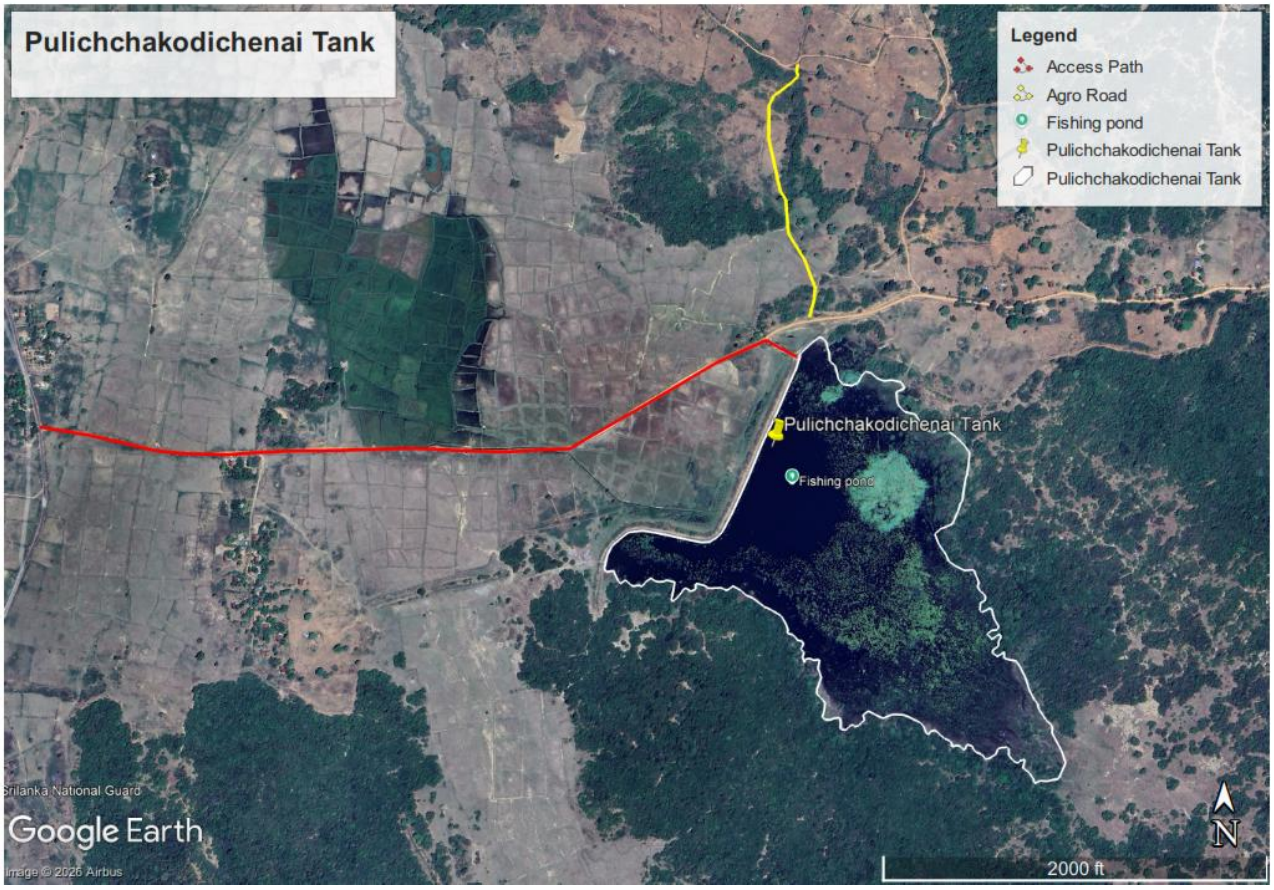
No	Name	Represented institution/ farmer organization/ community	Designation	Male/ female: Male	Male/ female: Female	Phone No	e-mail Address	Signature
1.	S. [illegible]	[illegible]	[illegible]	✓		0769991436		[illegible]
2.	P. [illegible]	[illegible]	[illegible]	✓		0768011860		[illegible]
3	[illegible]	[illegible]	[illegible]	✓		-		[illegible]
4.	[illegible]	[illegible]	[illegible]	✓		0760134930		[illegible]
5.	[illegible]	[illegible]	[illegible]	✓		-		[illegible]
6.	K. [illegible]	[illegible]	[illegible]	✓		-		[illegible]
7.	[illegible]	[illegible]	[illegible]	✓				[illegible]
8.	[illegible]	[illegible]	[illegible]	✓				[illegible]
9.	S. [illegible]	[illegible]	[illegible]	✓				[illegible]

Annex 03: Photo Evidence of Meetings





Annex 04: Site Plan



Annex 05: Rehabilitation Work Estimate (BOQ)

INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)

CONTINGENT EMERGENCY RESPONSE COMPONENT (CERC) - 2026

MINOR IRRIGATION REHABILITATION - ESTERN PROVINCE

DEPARTMENT OF AGRARIAN DEVELOPMENT - BATTICALOA DISTRICT

Rehabilitation of Pulichakodichenai Tank - Summary

Item	Description	Amount
B	Tower Sluice Construction	858,547.38
C	Improvements of Canal	1,063,283.70
D	Improvements of Spill	15,664,182.54
E	Construction of Concrete Lining (255m)	6,290,302.04
F	Farm Tune out (7 nos)	198,191.97
G	Improvements of paddy field Agro Road	4,028,869.89
H	Improvements spill way channel	3,276,247.70
I	Miscellaneous	60,000.00
	Civil Cost	**31,439,625.21**
A	Preliminaries	1,297,201.18
	Direct Construction Cost (DCC)	**32,736,826.39**
J	VAT (18 % of DCC)	5,892,628.75
K	Engineering Administration Cost (5 % of DCC)	1,636,230.49
L	Physical Contingencies (~ 5% of DCC)	1,636,841.32
M	Price Contingecies (4% of DCC)	1,309,473.06
	Total Cost Estimate (TCE)	**43,212,000.00**

Prepared by :-

M.Kandeepan
Technical Officer,
Dept. of Agrarian Development (IRDCRP),
Batticaloa

Checked by :-

M.Kajaruban,
Technical Officer,
Dept. of Agrarian Development,
Batticaloa

M.KAJARUBAN
Technical Officer
Department of Agrarian Development
Batticaloa

Recommended by :-

Eng. M. Thivaskar,
Regional Engineer,
Dept. of Agrarian Development,
Batticaloa

Forwarded by :-

N.Vishnuthasan
Asst. Commissioner,
Dept. of Agrarian Development,

District Assistant Commissioner
Dept. of Agrarian Development

Approved by :-

Sanctioned by :-

INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)

CONTINGENT EMERGENCY RESPONSE COMPONENT (CERC) - 2026

MINOR IRRIGATION REHABILITATION - ESTERN PROVINCE

DEPARTMENT OF AGRARIAN DEVELOPMENT -BATTICALOA DISTRICT
Name of Tank :- Pulichakodichenai Tank
District :- Batticaloa
A.S. Division :- Vantharumoolai
D.S. Division :- Eravurpattu

Estimate of the Expense Necessary to be Incurred for the Rehabilitation of Pulichakodichenai Tank

Item No	Description	Unit	Qty	Rate	Amount
A	**PRELIMINARIES**				
A.1	Provisional sum for Providing Performance Security	Provisional		Sum	31,439.63
A.2	Provisional sum for Providing Advance Payment Security	Provisional		Sum	132,046.43
A.3	Provisional sum for Insurance of work, machinery, equipment, plant, material, third party persons & property and employers personnel & property at site as per the contract	Provisional		Sum	78,599.06
A.4	Provisional sum for insurance against accidents & injury to Contractor's personnel as per the contract	Provisional		Sum	47,159.44
	Engineer's Facilities				
A.5	Provisional sum for constructing, maintaining, dismantling & removal on completion of works, temporary site office & other facilities for Engineers offices including necessary furniture	Provisional		Sum	125,758.50
	Contractor's Facilities				
A.6	Provisional sum for constructing, maintaining, dismantling & removal on completion of works, temporary site office & other facilities for contractor's offices including necessary furniture	Provisional		Sum	157,198.13
	Construction Management and Supervision				
A.7	Provisional sum for employing suitably qualified & experienced technical personnel on full time basis for construction management services and supervision at the site (as specified in the contract data)	Provisional		Sum	300,000.00
	Health, safety, and Environment				
A.8	Provisional sum for providing all necessary measures to workmen at site confirming to the latest industrial safety regulations and as directed by the Engineer	Provisional		Sum	50,000.00

Item No	Description	Unit	Qty	Rate	Amount
A.9	Provisional sum for providing necessary Environmental and social safeguard mitigation measures as mentioned in ESMP and directed by the Engineer	Provisional		Sum	200,000.00
	Standard Quality Control and reports				
A.10	Provisional sum for all cost in connection with preparing samples for testing, making arrangements for testing as stipulated in the specification & as directed by Engineer, obtaining test reports and submitting the same to the Engineer.	Provisional		Sum	100,000.00
A.11	Provisional sum for as-built drawings of all services, for engineer's approval (2 sets of hard copies & soft copies)	Provisional		Sum	35,000.00
	Other requirements				
A.12	Providing & maintaining a Name board as per the given details	Provisional		Sum	40,000.00
	Sub Total (Preliminaries)				**1,297,201.18**
B	**Tower Sluice Construction**				
B.1	Earth cutting by machinery (Dozer D4D) and forming bund by haul (15-30)m	m^3	56.00	448.50	25,116.00
B.2	Earth excavation in foundation and part refilling as directed by manual.	m^3	6.10	2,912.37	17,765.44
B.3	1:2:4(20mm) cement concrete(Grade 20) in Structure the rate excluding form work including mixing and placing, compacting and curing for three weeks including transport.	m^3	9.00	28,790.00	259,110.00
B.4	Furnishing, making , fixing and removing 16mm thick double coated plywood or any steel or shuttering planks(approved by engineer) with necessary props and connectors.	m^2	47.00	2,547.00	119,709.00
B.5	Furnish lay and joint 300mm dia RCC Spun pipes including trenching and back filling .	m	16.80	10,112.24	169,885.63
B.6	Furnish Erecting joint 900mm dia RCC Spun pipes including trenching and back filling .	m	3.60	36,040.64	129,746.30
B.7	Supplying and fixing 1.20m length 225x225mm reinforced concrete beam	No	1.00	5,500.00	5,500.00
B.8	Supplying & fixing of 300 mm dia Cast iron gate with it's component.	No	1.00	131,715.00	131,715.00
	B - Sub Total				**858,547.38**

Item No	Description	Unit	Qty	Rate	Amount
C	**Improvements of Canal**				
C.1	Cutting trench/ canal by Excavator (120) and disposing earth beside	m^3	556.87	448.50	249,756.20
C.2	Earth excavation from borrow and back filling along the Access Road including watering and compaction by Machinery as directed, haul - 1.6km.	m^3	440.50	1,145.00	504,372.50
C.3	Full turfing to newly filled earth including watering till the turf takes root as directed, haul-1.6km.	m^2	605.00	511.00	309,155.00
	C - Sub Total				**1,063,283.70**
D	**Improvements of Spill**				
D.1	Earth excavation in foundation and part refilling as directed by manual.	m^3	275.50	2,912.37	802,357.94
D.2	1:2:4(20mm) cement concrete(Grade 20) in Structure the rate excluding form work including mixing and placing, compacting and curing for three weeks including transport.for Abutment	m^3	23.90	28,790.00	688,081.00
D.3	Supplying and Fixing T.S Dowels Spliced and dove tailed with wedge at one end 5/8" dia, 700mm long boring holes, 350mm depth I fixing	No	208.00	1,244.00	258,752.00
D.4	1:2:4(20mm) cement concrete(Grade 20) in Structure the rate excluding form work including mixing and placing, compacting and curing for three weeks including transport.	m^2	183.75	28,790.00	5,290,162.50
D.5	Furnishing, making , fixing and removing 16mm thick double coated plywood or any steel or shuttering planks(approved by engineer) with necessary props and connectors.	m2	1228.50	2,547.00	3,128,989.50
D.6	Supplying transporting, cutting into required sizes bending and binding with binding wires (Tor Steel)	kg	4,643.50	452.50	2,101,183.75
D.7	Placing Rip-Rap 450mm thk using 225mm – 300mm rubble	m3	87.75	5,045.00	442,698.75
D.8	Earth excavation from borrow and back filling along the Access Road including watering and compaction by Machinery as directed, haul - 1.6km.	m^3	2166.18	1,145.00	2,480,276.10
D.9	Full turfing to newly filled earth including watering till the turf takes root as directed, haul-1.6km.	m^2	450.00	511.00	229,950.00
D.10	Cement concrete, reinforced, demolished in suspended , and debris cleared away.	m^3	18.90	12,790.00	241,731.00

Item No	Description	Unit	Qty	Rate	Amount
	D -Subtotal				**15,664,182.54**
E	**Construction of Concrete Lining (255m)**				
E.1	Earth excavation in foundation and part refilling as directed by manual.	m^3	179.13	2,912.37	521,692.39
E.2	1:2:4(20mm) cement concrete(Grade 20) in Structure the rate excluding form work including mixing and placing, compacting and curing for three weeks including transport.	m^3	85.19	28,790.00	2,452,620.10
E.3	Furnishing, making , fixing and removing 16mm thick double coated plywood or any steel or shuttering planks(approved by engineer) with necessary props and connectors.	m^2	690.19	2,547.00	1,757,913.93
E.4	Supplying transporting, cutting into required sizes bending and binding with binding wires (Tor Steel)	kg	3,443.26	452.50	1,558,075.63
	E -Subtotal				**6,290,302.04**
F	**Farm Tune out (7 nos)**				
F.1	Earth excavation in foundation and part refilling as directed by manual.	m^3	5.18	2,912.37	15,086.08
F.2	1:2:4(20mm) cement concrete(Grade 20) in Structure the rate excluding form work including mixing and placing, compacting and curing for three weeks including transport.	m^3	0.73	28,790.00	21,016.70
F.3	Furnishing, making , fixing and removing 16mm thick double coated plywood or any steel or shuttering planks(approved by engineer) with necessary props and connectors.	m^2	8.17	2,547.00	20,808.99
F.4	Supplying , Laying & Joint of 225mm dia RCC Pipe with necessary fittings	Lm	17.10	8,262.00	141,280.20
	F -Subtotal				**198,191.97**
G	**Improvements of paddy field Agro Road**				
G.1	**Agro Road stn 0+000 to 0 + 550**				
G.1.1	Earth excavation from borrow and back filling along the Access Road including watering and compaction by Machinery as directed, haul - 1.6km.	m^3	270.00	1,145.00	309,150.00

Item No	Description	Unit	Qty	Rate	Amount
G.2	**Construction of Box culvert -Single (2 nos)**				
G.2.1	Earth excavation in foundation and part refilling as directed by manual.	m^3	68.00	2,912.37	198,041.16
G.2.2	1:2:4(20mm) cement concrete(Grade 20) in Structure the rate excluding form work including mixing and placing, compacting and curing for three weeks including transport.	m^3	60.00	28,790.00	1,727,400.00
G.2.3	Furnishing, making , fixing and removing 16mm thick double coated plywood or any steel or shuttering planks(approved by engineer) with necessary props and connectors.	m^2	300.00	2,547.00	764,100.00
G.2.4	Supplying transporting, cutting into required sizes bending and binding with binding wires (Tor Steel)	kg	1,294.00	452.50	585,535.00
G.3	**Construction of 2'dia Hume Pipe Culvert (2 nos)**				
G.3.1	Earth excavation in foundation and part refilling as directed by manual.	m^3	10.21	2,912.37	29,735.30
G.3.2	1:2:4(20mm) cement concrete(Grade 20) in Structure the rate excluding form work including mixing and placing, compacting and curing for three weeks including transport.	m^3	5.55	28,790.00	159,784.50
G.3.3	Furnishing, making , fixing and removing 16mm thick double coated plywood or any steel or shuttering planks(approved by engineer) with necessary props and connectors.	m^2	23.66	2,547.00	60,262.02
G.3.4	Supplying Laying and joining 600 mm dia. RCC pipe	m	9.76	19,965.36	194,861.91
	G -Subtotal				**4,028,869.89**
H	**Improvements spill way channel**				
H.1	Cutting trench/ canal by Excavator (120) and disposing earth beside	m^3	836.20	448.50	375,035.70
H.2	Earth excavation from borrow and back filling along the Access Road including watering and compaction by Machinery as directed, haul - 1.6km.	m^3	1,837.60	1,145.00	2,104,052.00

Item No	Description	Unit	Qty	Rate	Amount
H.3	Full turfing to newly filled earth including watering till the turf takes root as directed, haul-1.6km.	m^2	1,560.00	511.00	797,160.00
	H - Sub Total				**3,276,247.70**
I	**Miscellaneous**				
I.1	Transport and fixing of fiber glass depth guage for measuring of tank water level (supplied by department)	No	1.00	10,000.00	10,000.00
I.2	Fixing of fiber glass canal flow measuring Gauge (supplied by Department)	No	1.00	10,000.00	10,000.00
I.3	Fixing Land mark Boundry stones (as per given drawing) in Downstream of the Tank Bund reservation ("Kattakaduwa")	No	20.00	2,000.00	40,000.00
	Sub Total G				**60,000.00**
	Civil cost (B+C+D+E+F+G+H+I)				**31,439,625.21**

Prepared by :-

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M.KAJARUBAN
Technical Officer
Department of Agrarian Development
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Recommended by :-

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Dept. of Agrarian Development,
Batticaloa

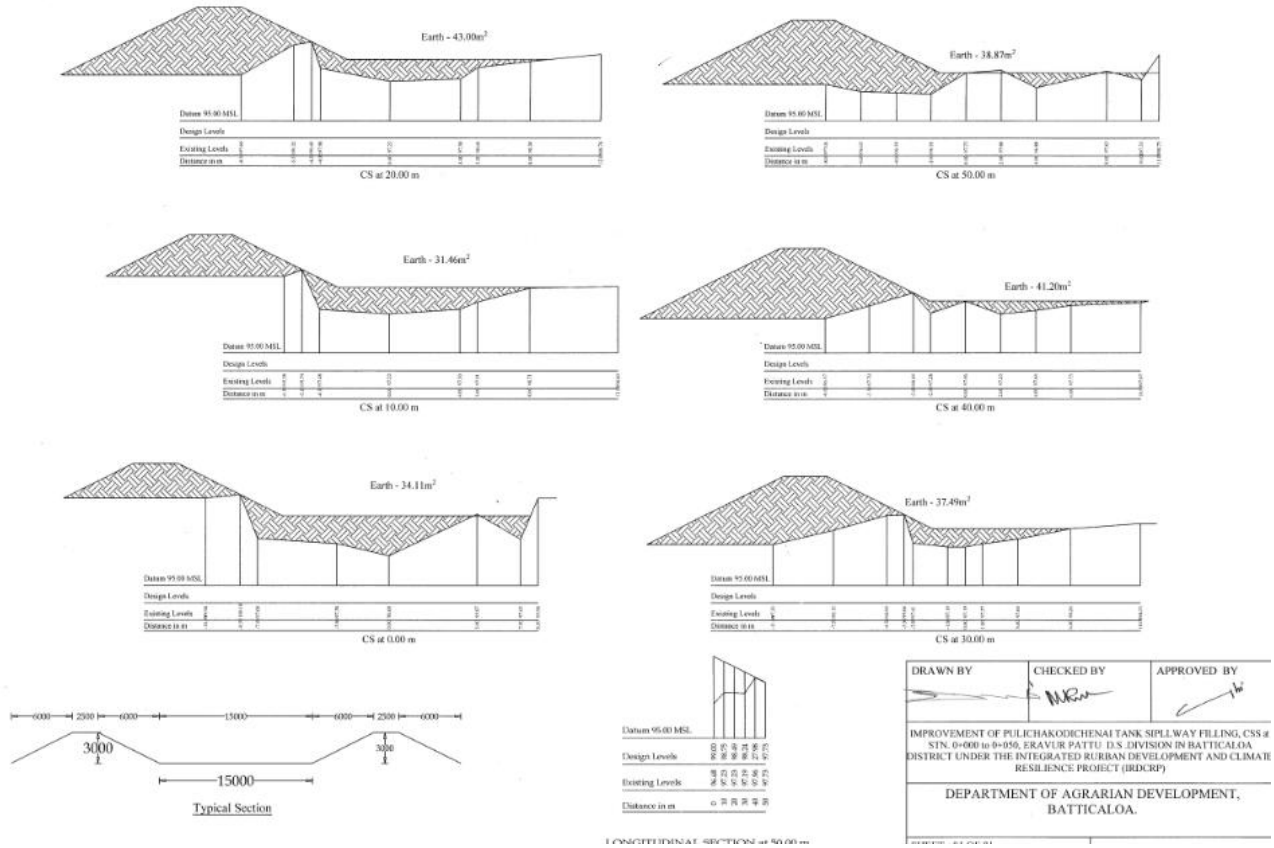
Regional Engineer
Department of Agrarian Development

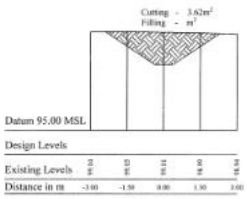
Forwarded by :-

N.Vishnuthasan
Asst. Commissioner,
Dept. of Agrarian Development,

District Assistant Commissioner
Dept. of Agrarian Development

Annex 06: Engineering Drawings





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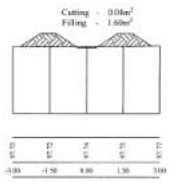

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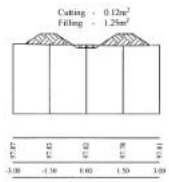

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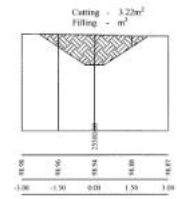

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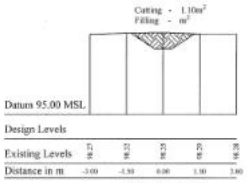

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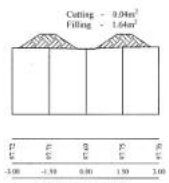

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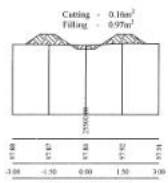

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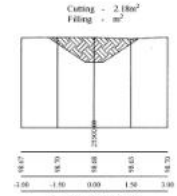

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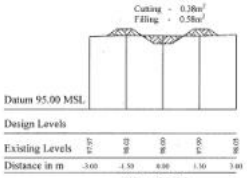

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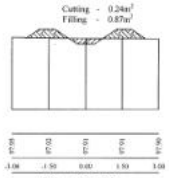

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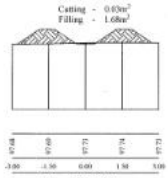

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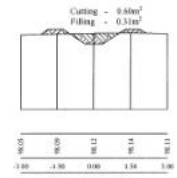

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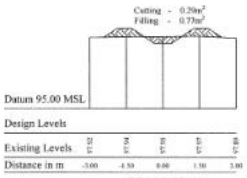

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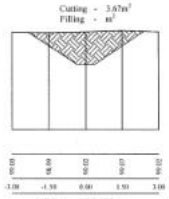

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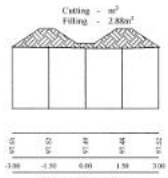

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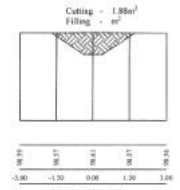
DRAWN BY	CHECKED BY	APPROVED BY

IMPROVEMENT OF PULICHAKODICHENAI TANK RB CANAL, CSS at STN. 0+00 to 0+350, ERAVUR PATTU D.S .DIVISION IN BATTICALOA DISTRICT UNDER THE INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)

DEPARTMENT OF AGRARIAN DEVELOPMENT, BATTICALOA.

SHEET - 01 OF 02



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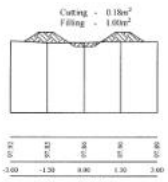

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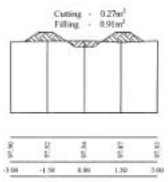

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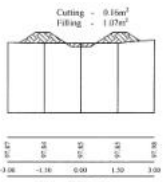

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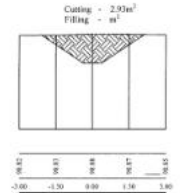

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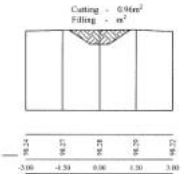

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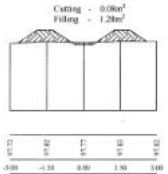

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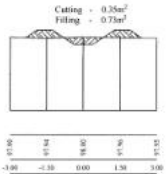

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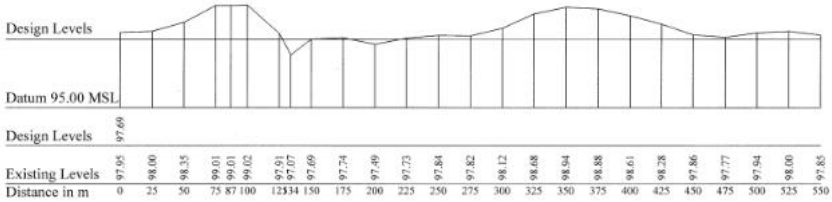

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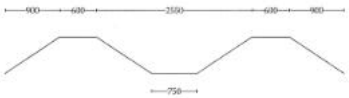

Typical Section

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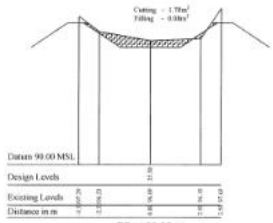
IMPROVEMENT OF PULICHAKODICHENAI TANK RB CANAL, CSS at STN. 0+375 to 0+550, ERAVUR PATTU D.S .DIVISION IN BATTICALOA DISTRICT UNDER THE INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)

DEPARTMENT OF AGRARIAN DEVELOPMENT, BATTICALOA.

SHEET : 02 OF 02



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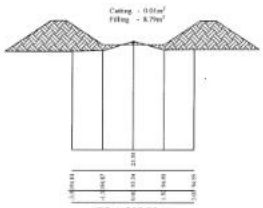
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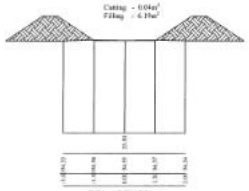
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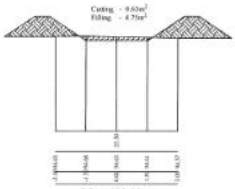
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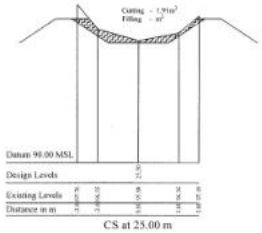

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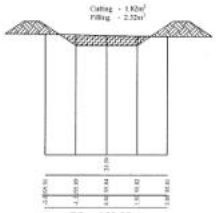
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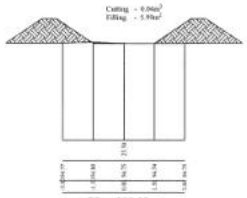
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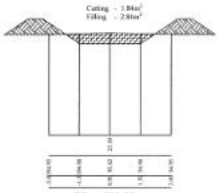
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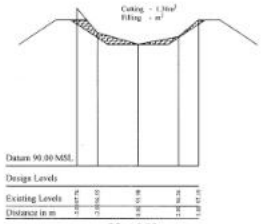

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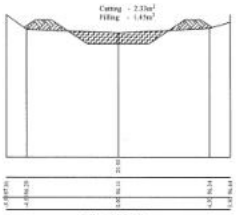
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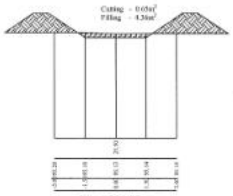
CS at 250.00 m

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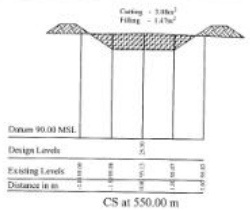
IMPROVEMENT OF PULICHAKODICHENAI TANK SPILLWAY CANAL, CSS at STN. 0+000 to 0+450, ERAVUR PATTU D.S .DIVISION IN BATTICALOA DISTRICT UNDER THE INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)

DEPARTMENT OF AGRARIAN DEVELOPMENT, BATTICALOA.

SHEET : 01 OF 02



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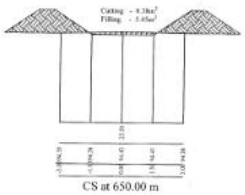

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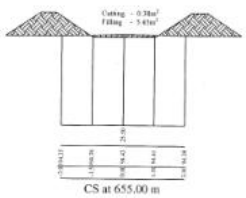

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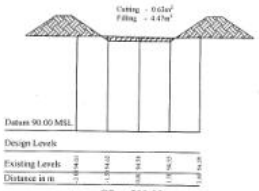

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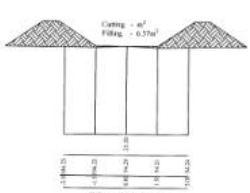

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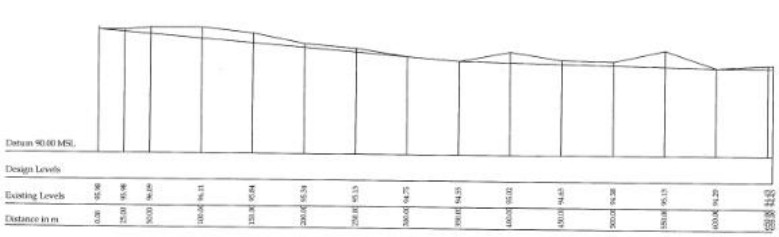
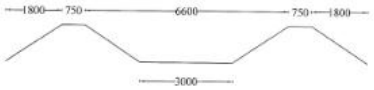


LONGITUDINAL SECTION at 665 m



Typical Section

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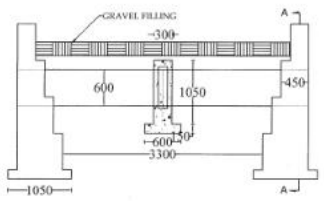
IMPROVEMENT OF PULICHAKODICHENAI TANK SPILLWAY CANAL, CSS at STN. 0+500 to 0+655, ERAVUR PATTU D.S .DIVISION IN BATTICALOA DISTRICT UNDER THE INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)

DEPARTMENT OF AGRARIAN DEVELOPMENT, BATTICALOA.

SHEET : 02 OF 02



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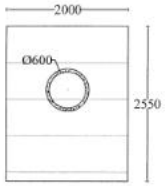

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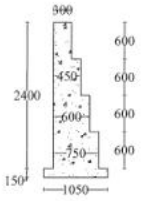

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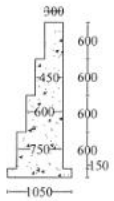

D/S HEAD WALL
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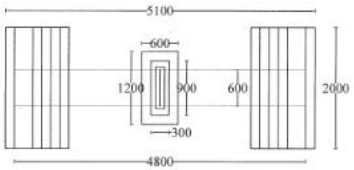

PLAN
SCALE 1:40

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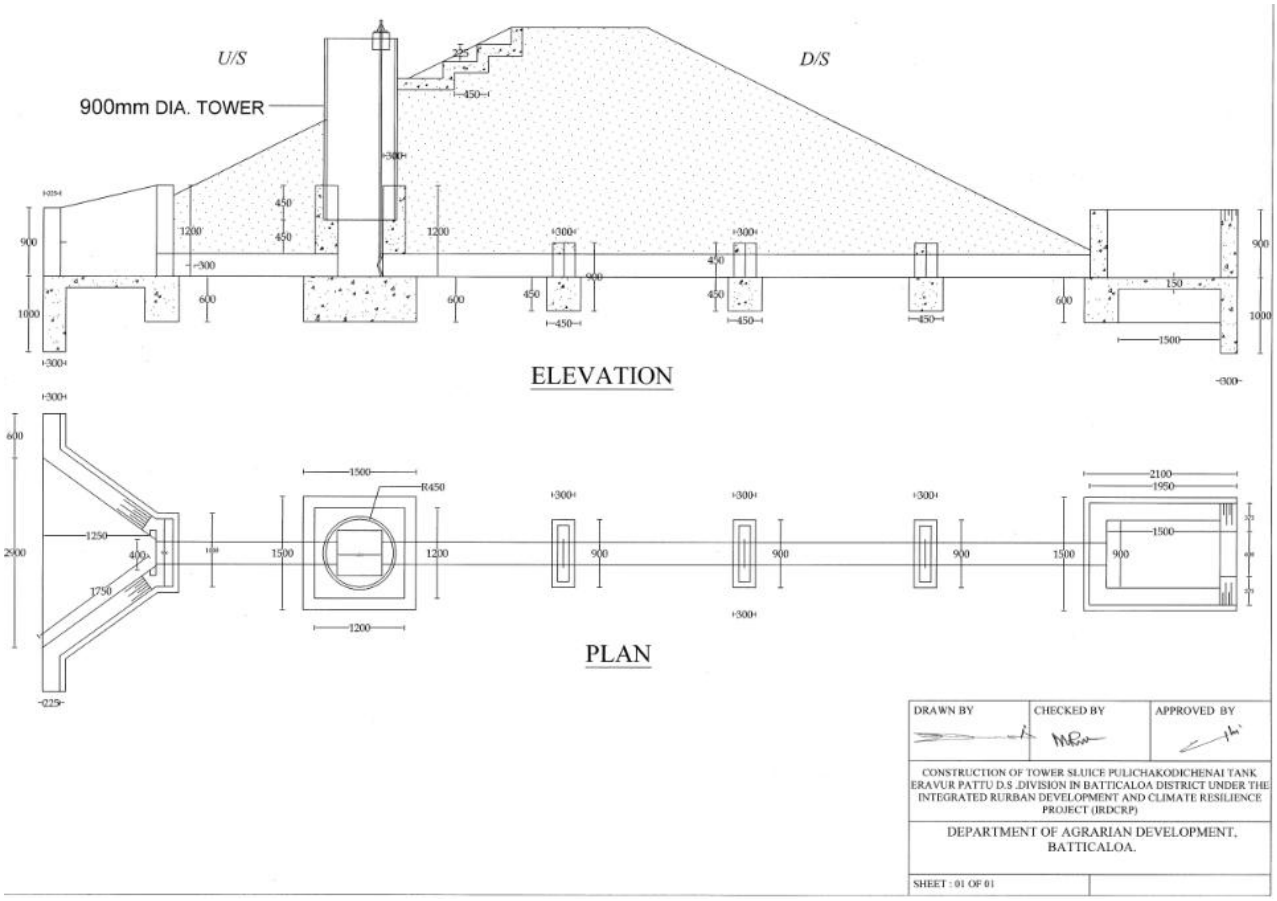
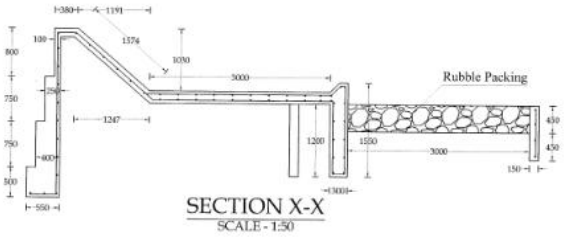
CONSTRUCTION OF HP CULVERT (600mm) PULICHAKODICHENAI TANK ERAVUR PATTU D.S .DIVISION IN BATTICALOA DISTRICT UNDER THE INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)

DEPARTMENT OF AGRARIAN DEVELOPMENT, BATTICALOA.

SHEET : 01 OF 01


U/S
D/S
900mm DIA. TOWER
ELEVATION
PLAN
DRAWN BY
CHECKED BY
APPROVED BY
CONSTRUCTION OF TOWER SLUICE PULICHAKODICHENAI TANK ERAVUR PATTU D.S .DIVISION IN BATTICALOA DISTRICT UNDER THE INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)
DEPARTMENT OF AGRARIAN DEVELOPMENT, BATTICALOA.
SHEET : 01 OF 01



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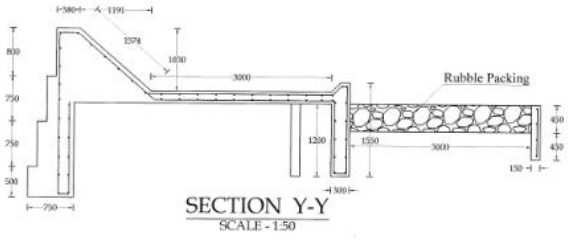

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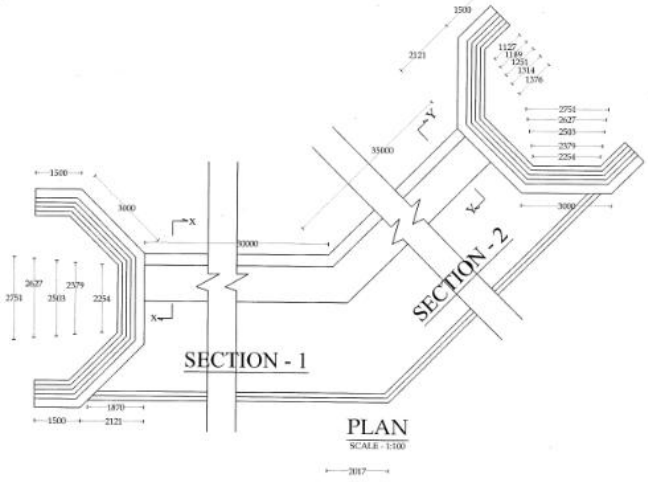
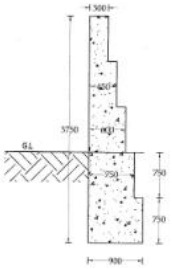


PLAN
SCALE - 1:100



ABUTMENT DETAILS
SCALE - 1:50

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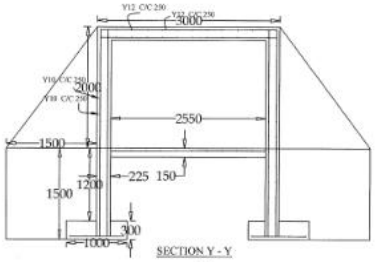
CONSTRUCTION OF PULICHAKODICHENAI TANK SIPLL ERAVUR PATTU D.S. DIVISION IN BATTICALOA DISTRICT UNDER THE INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)

DEPARTMENT OF AGRARIAN DEVELOPMENT, BATTICALOA.

SHEET : 01 OF 01



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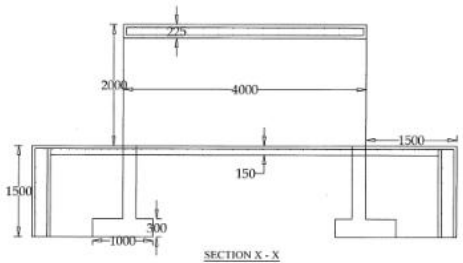

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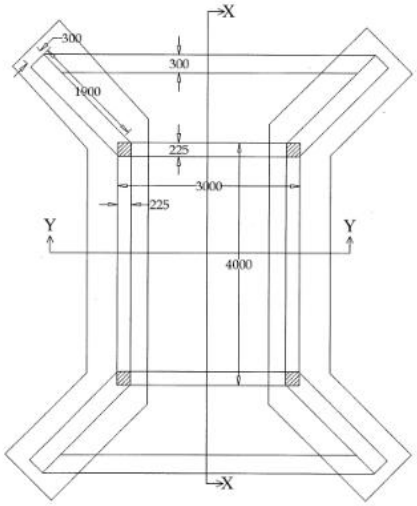

PLAN

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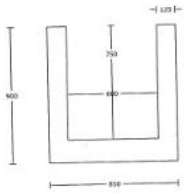
CONSTRUCTION OF BOX CULVERT PULICHAKODICHENAI TANK ERAVUR PATTU D.S .DIVISION IN BATTICALOA DISTRICT UNDER THE INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)

DEPARTMENT OF AGRARIAN DEVELOPMENT, BATTICALOA.

SHEET : 01 OF 01



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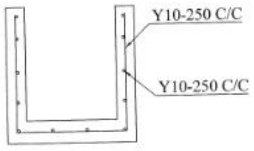
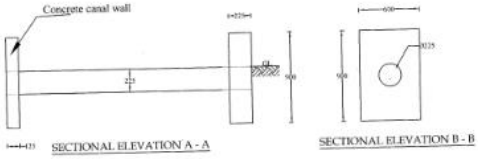
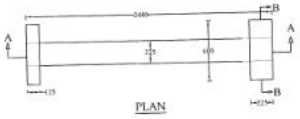
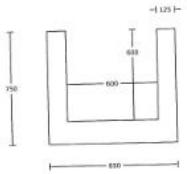


R/F DETAILS







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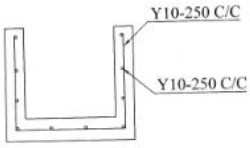

R/F DETAILS

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CONSTRUCTION OF CONCRETE CANAL AND FARM TUNE OUT PULICHAKODICHENAI TANK ERAVUR PATTU D.S .DIVISION IN BATTICALOA DISTRICT UNDER THE INTEGRATED RURBAN DEVELOPMENT AND CLIMATE RESILIENCE PROJECT (IRDCRP)

DEPARTMENT OF AGRARIAN DEVELOPMENT, BATTICALOA.

SHEET : 01 OF 01

Annex 07: Environmental and Social Management Plan

Rehabilitation of Tank Bunds, Sluice Gates, Spills, and Canals; Widening, Cleaning, and Removal of Overgrowth on Agricultural Roads and Canals; and Rehabilitation of Downstream/Farm Structures.
Under the Contingent Emergency Response Component (CERC) of the Integrated Rurban Development and Climate Resilient Project (IRDCRP)
Ministry of Agriculture, Livestock, Land and Irrigation

Environmental and Social Management Plan – Rehabilitation of Pulichchakodichenai Tank in Batticoloa District

Note to the Bidders: The following Environmental and Social Management Plan (ESMP) shall be considered an integral part of the Contractual Documents and must be read by the Bidders alongside the Technical Specifications, Drawings, and Bill of Quantities. Accordingly, the prescriptions detailed in the ESMP are mandatory and contractually binding. The Contractor, Farmer Organization (FO), Community Based Organization (CBO), or any other party involved in this contract (the "Party") shall be responsible for complying with the requirements of the ESMP.

With the assistance of the Contractors on behalf of the Employer (IRDCRP), the Project Engineer from the Department of Agrarian Development (DAD) (hereinafter referred to as the "Engineer") shall monitor compliance with the ESMP by the Contractor/FO/CBO. Any costs involved in implementing the measures and conditions of this ESMP **shall be borne through the pricing in the Bid Document.** The cost of complying with ESMP requirements during the construction stage shall be deemed included in the Contract Price. Consequently, no separate or additional payments shall be made specifically for compliance with the ESMP outside of the designated BOQ items.

The Contractor/FO/CBO/Party carrying out the works shall assist the **Engineer and/or Technical Officer (TO)** to conduct his/her duties as required in the ESMP implementation by (a) maintaining up to date records on actions taken by the Contractor/FO/CBO about the implementation of the ESMP recommendations (b) through timely submission of reports, information and data to the employer through the Engineer, (c) via participating in the meetings conveyed by the Engineer or any relevant line agency and (d) any other assistance requested by the Engineer.

However, Bidders are advised that the mitigation measures outlined in this ESMP are subject to minor variations and may not apply uniformly to all locations. Consequently, bidders must determine their

pricing based on specific site conditions identified during their mandatory site inspections before the completion and submission of bids.

The Project Implementing Agency (PIA) - the DAD under this contract—shall carefully consider all ESMP requirements applicable to the construction stage when preparing the bidding documents and pricing the items of work. If the Contractor/FO/CBO or their Sub Contractor(s) fail to implement the ESMP recommendations, the Engineer shall notify the Contractor/FO/CBO in writing and take appropriate action to ensure proper implementation, or otherwise deduct payments accordingly.

No	Potential Environmental and Social Impacts	Key project activities causing the impacts	Mitigation Measures proposed and action to be implemented by the Contractor	Mitigation Cost[1]	Implementation	Compliance Monitoring
1.	GENERAL	**Throughout the project's construction Phase**	Employ an Environment, Occupational Health and Safety Officer (EOHS Officer) by the Contractor covering the entire construction Phase as the responsible officer for the implementation of ESMP.	Construction cost[2]	Contractor	DAD PMU
			The EOHS Officer shall develop an environmental and occupational health and safety inspection checklist based on the ESMP to monitor the mitigation measures therein regularly to ensure compliance by the Contractor (if any).			
			The Department of Wildlife Conservation (DWLC) shall be informed and coordinated prior to commence construction works of the project and seek their assistance to prevent elephant attacks/snake bites. Also, the Contractor's construction plan should be disclosed to the DWLC before commencing construction works.		DAD	

[1] To be cost by bidders.

[2]**Notice to Bidders:** Bidders shall include the costs required for implementing the environmental and social mitigation measures outlined in this ESMP within their quotes. However, please be advised that these mitigation measures and their associated costs may vary or may not apply equally to all sites due to differing local conditions. Therefore, bidders are required to conduct thorough site inspections prior to bidding and adjust their pricing to accurately reflect specific site-level conditions.

all[2] To be cost by the bidders.

2.	COMPLIANCE WITH THE LAWS AND REGULATIONS	**Throughout the project's construction Phase**	Coordinate with the **Farmer Organization (FO)** to avoid construction during peak cultivation times as required to prevent farmers' discomfort/impacts on their livelihood due to such actions.	Construction cost[3]	Contractor	DAD PMU
			Avoid child labour under 16 years of age, forced labour, and the engagement of youngers with ages between 16-18 yrs in dangerous work within the project, such as excavation, operating heavy vehicles & machinery, electric works, blasting & explosive work (if any), manual carrying of heavy loaded materials, etc.			
			The Contractor shall ensure compliance with the following regulatory requirements in Sri Lanka. • Shop & Office Employees Act (regulation of employment and remuneration) of Sri Lanka. • Factories Ordinance of Sri Lanka to ensure adequate site amenities and safe working conditions. • Gender equity within the project, as per the National Policy on Gender Equality and Women's Empowerment in Sri Lanka.			

all[3] To be cost by the bidders.

			The Contractor shall obtain mining licenses for the operation of borrow pits and metal quarries to meet the material requirement and road transportation of gravel from the Geological Survey and Bureau in accordance with the Mines and Minerals Act No 33 of 1992. Also, material quarries shall be operated under an Environmental Protection License obtained from the Central Environmental Authority/relevant Local Authority.			
3.	EMPLOYMENT UNDER THE PROJECT	**Improvement of livelihood of the local people**	To support and improve the income and livelihoods of the community in the project area, the contractor should prioritize hiring them, both male and female, on an equal basis of all facilities and remuneration, for project labour and related activities as much as possible.	Construction cost[4]	Contractor	DAD PMU
4.	OCCUPATIONAL HEALTH AND SAFETY OF THE WORKERS	**Throughout the project's construction Phase**	The EOHS Officer shall conduct toolbox meetings for the workers to make them aware of the project's environment, occupational health and safety aspects, and road safety aspects before mobilizing in day-to-day activities.	Construction cost[5]	Contractor	DAD PMU
			All project workers shall be provided with Personal Protective Equipment (PPE). Also, the EOHS Officer shall ensure that all workers are properly equipped with PPE during work.			

all[4] To be cost by the bidders.
All nall[5] To be cost by the bidders.

			Deep excavation locations, especially the sluice gate construction areas, should be properly demarcated for easy identification, along with erecting physical barriers to prevent falling hazards.			
			The Contractor shall be vigilant for any drowning of works when they are working in the tank area, particularly during bund rehabilitation.			
			The project site is located remotely, therefore, presence of wild animals in the project area are highly likely. Thus, the workforce shall be given an initial awareness regarding the presence of wild animals especially elephants, snakes, etc., in consultation with the Department of Wildlife Conservation (DWLC) (see section 01 above).			
			Prevent attacks from elephants and other wildlife by limiting all construction activities to daytime particularly from 7.00 a.m. to 5.00 p.m., thereby avoiding early mornings and late evenings essentially.			
			In addition, fulfilling the following actions are essential to ensure safety from wildlife attacks.			
			○ **Elephant Sentinel:** A dedicated **elephant sentinel** (or lookout person) with local knowledge of elephant behavior and movement patterns must be mobilized. This person's sole responsibility is to monitor for approaching elephants and alert the workers. ○ **Early Warning System:** The sentinel should be			

			equipped with a communication device (e.g., a horn, whistle, or mobile phone) to provide warning to all on-site personnel. ○ **Emergency Supplies:** A supply of **firecrackers** should be obtained from the DWLC regional office under the recommendation of the Department of Agrarian Development (DAD). These are to be used only in emergencies to deter elephants and should be deployed by trained personnel. ○ **Temporary Electric Fencing:** If recommended by the DWLC, a temporary electric fence shall be erected around the immediate work area. The fence must be clearly marked and powered by a low-voltage unit designed for wildlife deterrence. ○ **No Harm Principle:** Under no circumstances shall any elephant be harmed, injured, or killed as a result of project activities. All personnel must be briefed on this non-negotiable principle.			
			All attempts shall be made to establish Labour camps away from the project site, but close to existing residential activities to ensure the safety of the workers from wildlife.			
			A temporary workers' shelter shall be constructed near the site (in the tank reservation) to provide a rest area for the workers, also having dining facilities, access to enough drinking water and toilet facilities (mobile toilet).			

			A designated person trained in first aid and emergency response should be kept ready on site. Facilities must be established on site for immediate hospitalization of the workers victimized for injuries, snake bites, elephant attacks, etc., to ensure treatment. Keeping a designated vehicle in the project site is compulsory for immediate hospitalization of the above workers.			
			All workers shall be provided with adequate safe drinking water to prevent heat stroke and dehydration during the hot sunny days.			
5.	WORKERS AND PUBLIC SAFETY DURING SITE ACCESS AND HAULAGE OF MATERIALS	**Throughout the project's construction Phase, during site access and material haulage via public roads.**	Ensure all equipment and vehicles are inspected, well-maintained, and operated only by certified and licensed operators/drivers.	Construction cost	Contractor	DAD PMU
			All necessary safety precautions shall be adopted to prevent vehicle-induced collisions/accidents and accidental falls into deep excavations, deep water-filled areas of the tank, etc. Erecting essential road signs, necessary warning signs, physical barriers in deep excavations, night visibility, etc. shall be obligatory requirements on the above.			
			All drivers must be formally briefed on defensive driving techniques, strict adherence to national speed limits, and local traffic regulations.			

			The load limits in the public roads shall not be exceeded at any time. Any damage to such road due to the contractor's activities shall be repaired at his own cost in consultation with the relevant road authority.			
			Moreover, during the Agri road rehabilitation, alternative roads shall be provided for those who use the such Agri road or adopt any other method that prevents obstructions to the public access (if any).			
6.	DAMAGE TO PERIPHERAL VEGETATION AND ENVIRONMENTALLY SENSITIVE RECEPTORS	**Throughout the project's construction Phase**	All construction works should be limited to the Right of Way/footprint/reservations of the tank, canals, spill, spillway, etc.		Contractor	DAD PMU
			Material stockpiling, unsuitable material stockpiling, establishing temporary camps, etc. may be carried out within the tank reservation in consultation with the Department of Agrarian Development.			
			Peg the footprints before commencing construction works for the easy identification of construction boundaries and to prevent encroachment of the nearby land uses.			
			Burning of plant debris, paper, etc., setting fire for cooking, and campfire, bonfire, etc. during night shall not be carried out near the forest edge at any time as such fire may induce forest fires.			
7.	EXTRACTION OF CONSTRUCTION MATERIALS	**Material (soil/earth/ gravel) Sourcing throughout the**	The contractor shall ensure the source of gravel and rubble materials is from pits/quarries that hold a valid Mining License (IML) and a transport license issued by the GSMB and an Environmental Protection Licence issued by the Central Environmental			

		project's construction Phase	Authority/relevant Local Authority.			
			Sourcing or purchasing of any material that is sourced from any protected areas and/or designated natural areas is strictly prohibited.			
			If the Contractor intends to operate his own borrow pits and/or metal quarries to meet his material requirement, he should adhere to the legal provisions as given under No. 02 of this ESMP.			
8.	EROSION AND POLLUTION OF WATER BODIES AND LAND	**During stockpiling of construction/ unsuitable /excavated material and handling throughout the project's construction Phase.**	Excavation of the tank bund to construct the new sluice shall be done with required measures adopted to prevent erosion of soil into tank which cause pollution of the water therein.		Contractor	DAD PMU
			Haphazard stacking of filing material, construction material, excavated soil, construction debris and unsuitable material within the project site is not allowed.			
			Excavated soil, construction debris, and unsuitable material should not be placed within the tank bed or its bund, as such material may be eroded into the water in the tank and to downstream land uses, particularly during rain. Moreover, the stockpiles of the above materials, particularly, excavated soil shall be covered with suitable material such as tarpaulin sheets, and held to the ground using weight to stop them eroding into the tank. Selection of sites for temporary stockpiling of borrow			

			material, excavated soil, construction debris, and unsuitable material within the project site until reuse/dispose of in designated disposal sites shall be done only in consultation with the Department of Agrarian Development upon satisfaction that the Contractor will adopt effective measures to control erosion.			
			Designate specific locations for on-site temporary storage of filing, construction and unsuitable materials, and excavated soil, preferably within the reservation of the downstream of the tank under approval of the DAD.			
			Site-specific measures shall be adopted associated with material/unsuitable material stockpiles to prevent them from erosion such as covering with tarpaulin sheets to prevent exposure to wind and rain.			
			Prevent cement slurry, cement mortar, etc. from leaching into the tank by containing the coffer dam area properly as sudden pH spikes will harm aquatic flora and fish populations in the tank.			
			Washing of concrete truck mixes at the site is not allowed.			
			Sites to dispose of unsuitable materials, construction wastes, and any remaining excavated soil should be selected in consultation with the Divisional Secretary/Grama Niladhari, before commencing construction.			
			Maintenance and repair of the vehicles/equipment			

			shall only be done away from the project area. Refuel heavy machinery and store petroleum products at least 20 m away from the tank and canals, and store them on an impermeable surface to contain even a minor spill.			
9.	THREAT TO BIOLOGICAL ASPECTS INCLUDING THE RISK OF SPREADING INVASIVE SPECIES.	**Throughout the project's construction Phase**	Any tree removal other than light jungle clearing shall not be carried out. If the tank is required to be emptied for the construction of sluice, spill, etc., it should provide water pockets as much as possible to ensure the survival of the aquatic fauna and flora and to meet the water requirements of other terrestrial animals in the area or leave the existing water pockets at present as it is. Poaching of wild animals is prohibited. Ensure construction materials, especially filling material (gravel) and sand that are brought to the project area, are free from invasive species. Close monitoring shall be done for the availability of `invasive species in such material before unloading at the project site. If such species is observed, it shall be gathered and destroyed in an area away from the project site immediately.	-----	DAD and Contractor	DAD PMU
10.	ACCUMULATION AND DISPOSAL OF SOLID WASTE	**Throughout the project Phase**	Domestic solid wastes shall be properly segregated and disposed of through the relevant local authority. All actions should be taken to avoid disposing of such	-----	Contractor	DAD

			wastes in the project area or nearby environments/land uses at any time.			
			No open burning of solid wastes, particularly plastic and/or polyethene wastes, shall be done at any time.			
			Domestic wastes, especially food wastes, shall be removed from the site daily, and until such time, such wastes shall be kept unreachable by the wild animals.			
			Feeding wild elephants or other faunal species in the project site is strictly prohibited.			
			Food waste is to be strictly kept covered so wild animals won't get attracted.			
11.	AIR AND NOISE POLLUTION: IMPACTS RELATED TO DUST, NOISE, AND VIBRATION.	**Operation of equipment and machinery. Material storage and transport.**	Working time for noise/vibration generation activities should be restricted and carried out only from 7.00 am to 5.00 p. m. No nighttime construction works are allowed at any time.	----	Contractor	DAD
			All equipment and machinery should be properly maintained to minimize excessive generation of noise and air emissions.			
			Transporting material on trucks shall be done with tarpaulin sheets covering to prevent dust emission and material spillage on public roads.			
			Material stockpiles susceptible to fugitive dust emission should be properly covered with tarpaulin sheets and watered to suppress dust emission during handling of such material.			

			Speed limits shall be adopted for the trucks involved in material hauling on unpaved roads to prevent fugitive dust emission.			
12.	LIVELIHOOD IMPACT MANAGEMENT AND WATER USE PLANNING	**Throughout the project Phase**	Plan rehabilitation works during the dry season and outside the Maha and Yala cultivation seasons to minimize impacts basically on irrigation, as the other uses of the tank was were not observed or reported. Conduct early consultations with Farmer Organizations (FOs), farmers, and local stakeholders to agree on construction schedules, planned water releases for standing crops, and temporary water management arrangements. Where technically feasible, adopt alternative engineering solutions to avoid or minimize livelihood impacts, such as the use of cofferdams, phased construction, bypass canals, temporary diversion structures, and scheduling water releases so that they do not coincide with construction activities. Maintain minimum tank storage levels and prohibit contractor use of tank water unless prior written approval is obtained from DAD, ASC, and the relevant FO.	----	Contractor	DAD
13	CONTINGENCY PLANNING AND LIVELIHOOD SUPPORT ASSISTANCE (LSA)	**Throughout the project Phase**	Prepare and implement a contingency plan if construction is delayed, drought conditions occur, or water shortages cause livelihood impacts such as crop losses, reduced yields, or income loss. The plan shall include provision of alternative irrigation sources at least to maintain partial water availability, and emergency water storage facilities	----	Contractor	DAD

			where feasible. Additional support may include cash-for-work opportunities, provision of seeds or planting materials, targeted assistance to vulnerable households, and monitoring of livelihood recovery to ensure affected farmers can restore agricultural production and incomes following completion of rehabilitation works. The PMU shall ensure that the contract agreement includes the necessary Individual Code of Conduct, duly translated into local languages, together with provisions for implementing Environmental, Social, Health, and Safety (ESHS) and Occupational Health and Safety (OHS) standards. Measures to prevent gender- based violence must also be incorporated.			
12.	HANDLING OF PUBLIC AND WORKERS' COMPLAINTS	**Road users, vehicles, farmers, residential & commercial community, workers of construction sites - Throughout the project Phase**	A grievance redress committee shall be established comprising of; • PIU representative as a committee coordinator. • EOHS as the Secretary to the committee • Religious Leader as a member and advisor • Garma Niladhari as a member • Representative of a Project Affected People (AP) as a committee member • Farmers Organization as a member. The following actions should be taken by the PIU and Contractor. • Display the project's grievance redress mechanism at public places close to the project site.	Construction cost	DAD Contractor	PMU

			• Assign a focal point to receive public and workers' grievances, written, verbal, or in other media, both DAD and the Contractor as a focal point. • Receive and register the grievances in the Site Grievance Register. • Screen the grievances and investigate by DAD Engineer, Technical Officer (TO-DAD), and the Contractor to verify the issue, and formulate a corrective/resolving action. • Call the GRC if such grievances cannot be resolved at the site level by the Contractor. • Implement the resolving actions/decisions of the GRC. • Inform the resolving actions to the affected party in-writing along with getting his consent for the resolving actions in-writing.. • Post-monitoring of actions of resolving.			
13.	ENVIRONMENTAL AND SOCIAL SAFEGUARDS MONITORING	**Throughout the project construction Phase**	The project implementation agency (Department of Agrarian Development) shall adopt a proper mechanism to monitor the contractors' environmental and social safeguards compliance actions on a regular basis.		DAD	PMU
14.	REPORTING AND DOCUMENTATION	**Throughout the project construction Phase**	The Contractor must include a GRM summary in their Monthly Environmental and Social Progress Report to the Consultant/PMU, detailing the following. • Total grievances received. • Number of grievances resolved at the site level. • Number of unresolved cases escalated to the	Construction cost	Contractor DAD	PMU

			PMU. • Average time taken to resolve issues.			
15.	ESTABLISH A SOCIAL AUDIT COMMITTEE	**Throughout the project construction Phase**	A social committee shall be established, composed of the Farmers' Organization and the interested parties in the project area to closely monitor the project activities and to obtain their assistance/support for the successful completion of the project.	Construction cost	DAD Contractor	PMU
16.	REINSTATE OF CONSTRUCTION YARDS, SITES, ROADS AND OTHER PROPERTIES	**At the end of the project construction Phase**	The material hauling paths, yards of material stockpiling and unsuitable material stockpiling, temporary camps, etc. established within the site shall be removed and the site restored to the previous condition immediately after construction.	Construction cost	Contractor	DAD
			Also, the Contractor shall be fully responsible for the following; • Removing all temporary structures within the project site. • Temporary canals, bypasses (if any). • Temporary sanitation facilities and pits. • Promptly repairing any structural damage caused to public roads and public utilities in consultation with the relevant road authorities/service providers. • Settling all outstanding labor wages, supplier Invoices, and utility payments for host community services consumed during the Construction period.			
			The Contractor shall be fully responsible for complete aforesaid site clearance and environmental restoration before applying for the final payment			

			certificate.			
			The final bill of payment shall only be released upon formal recommendation and clearance from the Environmental and Social Safeguard Units of the IRDCRP, based on the joint certification and approval of the responsible DAD and ASC authorities.			

Screening validation:



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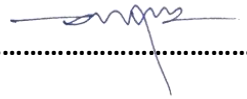
Consultant for Environmental Safeguards Management



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Consultant for Social Safeguard Management

26th August 2026