

Environmental Monitoring Report

Project Number 37378-013
Loans 2710 and 2711
Semestral Report
January to June 2020

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Sri Lanka: Jaffna and Kilinochchi Water Supply and Sanitation Project

Prepared by Jaffna and Kilinochchi Water Supply and Sanitation Project Management Unit for the National Water Supply and Drainage Board and Ministry of Water Supply, Colombo, Sri Lanka and the Asian Development Bank.

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Jaffna Kilinochchi water supply and sanitation project

NATIONAL WATER SUPPLY & DRAINAGE BOARD

**Semi Annual
Environmental Safeguards Compliance
Monitoring Report- 2020**

Project Management Coordination and Implementation Unit

Jaffna Kilinochchi Water Supply and Sanitation Project

National Water Supply & Drainage Board

No.127, 1st Floor, K.K.S Road, Jaffna

Tel: 021 – 222 0256

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ABBREVIATIONS

ADB	Asian Development Bank
CEA	Central Environmental Authority
EMP	Environmental Management Plan
IEER	Initial Environmental Examination Reports
JMC	Jaffna Municipal Council
JKWSSP	Jaffna Kilinochchi Water Supply and Sanitation Project
NWSDB	National Water Supply & Drainage Board
PCP	Public Communications Policy
PEIC	Project Engineering and Institutional Consultancy
PMU	Project Management Unit
RC	Grievance Redress Committee
RP	Resettlement Plan
SPS	Safeguard Policy Statement
UDA	Urban Development Authority

1. Introduction

The three decade long armed conflict affected modernization of infrastructure facilities in the Northern Province. The Jaffna Kilinochchi Water Supply and Sanitation Project (JKWSSP) is part of the efforts taken by the government for enhancement of the social and physical wellbeing of the people in the Northern Province. The project was financed by the Asian Development Bank (ADB), Agence Francaise de Development (AFD) and GOSL. Executing agency of the project is Ministry of Water Supply and Drainage (MWSD) and implementing agency is the National Water Supply and Drainage Board (NWSDB). Feasibility study for the project was carried out during year 2005-2006.

The project was financed with a total sum of USD 164.04 million (USD 90 million from ADB, USD 48 million from AFD France and the balance US\$ 26.04 million being the Government contribution). The objective of the project is to improve the health standard of people, enhancement of the standard of living of the people in Jaffna peninsula, supporting the resettlement, economic development and social welfare of the entire Northern Province. The project was designed to provide safe drinking water to 300,000 people in water scarce areas of Jaffna and Kilinochchi districts and to provide pipe borne sewerage facilities for 80,000 population in the Jaffna Municipal Council area.

The initial design of the drinking water supply project was to abstract raw water from the Iranaimadu irrigation reservoir but progress of the project was hampered due to a dispute over the water sharing arrangement between drinking water requirement and irrigation needs. After in-depth technical studies and lengthy evaluation process a consensus finally reached was to construct a desalination plant of 24,000 Cu.M/day capacity at Thalayadi village in Vadamaradchi East DS division of the Jaffna district. Going for desalination option resulted in the following changes of the project,

- (i) Cancellation of conventional water treatment plant and raw water pumping main from the Iranaimadu tank originally co-financed by AFD,
- (ii) Exclusion of the sewerage component,
- (iii) Inclusion of a desalination plant,
- (iv) Inclusion of the household water connections,
- (v) Inclusion of water resource management and outreach activities.

Based on the revised cost estimates and cancellation of the AFD financing, the government requested additional financing of USD 120 million from the ADB to meet the changes in project scope. Consequently, an additional loan agreement was signed with the ADB on 15th December, 2017. The closing date of current loan has been extended from 14th August, 2017 to 31st December, 2020 to complete the works in revised project

scope ,using the original and additional financing amounting to USD 266 million(USD 210 million by ADB and USD 56 million by the GOSL)

The project has been categorized as Category B on environment under ADB Safeguard Policy Statement, 2009 (SPS).

1.1 Environmental Safeguard Team

Name	Name of the Officer	Designation/ Office	Email Address	Contact Number	Roles
PMCIU1	T.Barathithasan	Project Director	pdjkwssp@gmail.com	021-222-0256	Review sub-project and activity plan, design, cost, and bid documents to ensure environmental factors and mitigations are incorporated, and sub-project documents and environmental documents are in harmony. PD/DPD/CE/ SE are the monitoring and checking the reports regularly submitted by assigned Environmental officers.
	S.Malathy	Deputy Project Director	malathycejkwssp@gmail.com		
	R.Balendra	Chief Engineer	balendrajkwssp@gmail.com		
	V.Vijaykanth	Senior Engineer	vijayjkwssp@gmail.com		
	S.Sivathasan	Chemist	s.thas13@gmail.com		Monitor the environmental related issues at the sites during implementation of subprojects and activities, and provide feedback to the PD/DPD/CESE of the PMCIU2.
	S.Arani	Project Engineer	seearani@gmail.com		

¹ Project Engineering and Institutional Consultancy (PEIC) for the Project, a consortium led by Grontmij A/S of Denmark in association with Hifab of Sweden, Green Tech Consultants (Pvt.) Ltd., TMS and the Lanka Hydraulics Institute (LHI) of Sri Lanka has been appointed. Contract of the consultants has been finished and there are no any external monitors engaged for this project except environmental officer of contractor site staff.

² S. Sivathasan – Chemist and S. Arani – Project Engineer assigned for monitoring environmental issues.

Name	Name of the Officer	Designation/ Office	Email Address	Contact Number	Roles
PIU (Contractor Site)	T. Basil Steve	Project Manager	pperera@sierra.lk	112584681 718742306	Review project and activity plan to ensure environmental factors and mitigations are incorporated and environmental documents are in harmony. Monitoring and checking the reports regularly submitted by assigned Environmental officers.
	S. Udayan	Environmental officer	udayan@sierra.lk	0112-584681	Internal auditing in all sites as monitoring and enforcing health and hygiene legislation. And also investigate when there's an incident, such as pollution, a noise problem, toxic contamination, pest infestation or an outbreak of food poisoning and provide feedback to the PM.
Consultant	T.Thirunavukkarasu	Team Leader (Individual Consultant)	thirudtladb6@gmail.com	0773521346	
Consultancy Firm (PMSC)		<div>Team leader</div> <div>Environmental Social Compliance Officer</div> <div>Health and Safety Officer</div>	Negotiation completed and the agreement to be signed. These recruitments shall be completed after awarded of RO contract.		

Name	Name of the Officer	Designation/ Office	Email Address	Contact Number	Roles
Consultancy Firm (EMT)		Environmental Compliance Officer	Proposal under review. These recruitments shall be completed after awarded of RO contract.		
		Safety Compliance Officer			
		Safety Expert			
		Team Leader/ Environmentalist			

1.2 Environmental safeguard roles of client, supervisory consultant and contractor

During the construction period the contractor was responsible to implement the mitigation measures listed under EMP and conduct environmental parameter monitoring based on the EMoP. Project Management Coordination and Implementation Unit (PMCIU) headed by the Project Director is entrusted with overall responsibility for implementation of EMP and EMoP through the contractor. The consultant, M/s. Gronmij Project Engineering and Institutional Consultancy (PEIC) works supervise the Contractor in implementing the EMP. The Prospective contractor has developed an Environmental Management Plan and it has been reviewed and approved by PEIC.

2. Construction activities

2.1 Package : 01

SUPPLY AND LAYING OF TREATED WATER TRANSMISSION MAINS FROM PALAI WTP TO NALLUR AND CONSTRUCTION OF TWO TREATED WATER SUMPS AT NALLUR AND MEESALAI	
Contractor	M/s. JMC Projects(India) Ltd
Date of award	27.06.2016
Date of Commencement	01.08.2016
Contract Period	730 days
Date of Completion	31.07.2018, Contract period extension given up to 30 th September,, 2020
Contract Sum	Rs. 2646 Mn
Construction Status	
Overall Physical Progress	97%
Procurement, Supply & Delivery of DI Pipes / Fittings	100%
Route confirmation and Laying of DI Pipes & Fittings from Puthukkadu -Meesali	100%
Route conformation &Laying of DI Pipes & Fittings from Meesali-Nallur	99%
Culvert Crossing/Bridge crossing/ on column support laying	99%

Construction of Measalai sump & Fixing of pipes and related works	97%
Construction of Nallur sump & Fixing of pipes and related works	95%
Temporary Reinstatement – RDA, RDD & UC/PS Roads /Shoulder/Embankment	99%
Permanent Reinstatement – RDA, RDD & UC/PS Roads	99%
Pressure testing	95%
Construction of valve chambers & Fixing of valves	95%

2.2 Package : 02

SUPPLY AND LAYING OF TREATED WATER TRANSMISSION MAIN (PART 2) INCLUSIVE OF 144KM OF TWTM SUB MAIN, THREE WATER RESERVOIRS)	
Contractor	M/s China Machinery Engineering Corporation (CMEC) - M/s Business Promotion Partner Engineering (BPPE) Joint Venture
Date of award	21.06.2016
Date of Commencement	26.07.2016
Contract Period	730 days
Date of Completion	25.07.2018, Contract period extension given up to 31 st July, 2020
Contract Sum	Rs. 2890 Mn
Construction Status	
Overall Physical progress	100%
Procurement, Supply & Delivery of DI Pipes / Fittings	100.00%
Procurement, Supply & Delivery of HDPE Pipes /	100.00%

Fittings	
Laying of DI/HDPE Pipes & Fittings from Meesalai sump to Karaveddy/Puttur/Karaveddy new towers	100.00%
Laying of DI Pipes & Fittings from Nallur sump to Old park/JMC/Pommaveli towers and Kallundai sump	100%
Laying of DI/HDPE Pipes & Fittings in Nainathivu/Analaithivu/Eluvaithivu	100%
Laying of DI Pipes & Fittings from Kallundai sump to Karainagar/Kayst/Velanai/ Allalpity /Punkuduthivu towers	100%
Construction of 100 m3 Punguduthivu sump	100.00%
Construction of 1500 m3 Kallundai sump	100.00%
Construction of 100 m3 Pooneri sump	100.00%
Laying of DI/HDPE Pipes & Fittings from Paranthan to Pooneri	100%
Culvert Crossing (20%) /Bridge Crossing (30%) / On Column Support Laying (50%)	100%
Temporary Reinstatement of RDA, RDD, UC/PS Roads and Shoulder, Embankment etc.	100%
Pressure Testing	100%
Construction of valve chambers & Fixing valves	100%

2.3 Package : 03

SUPPLYING AND LAYING OF DISTRIBUTION NETWORKS IN PALAI, KODIKAMAM, MEESALAI, POONAKARY, PUTHUR, NAWATKULI, KARAINAGAR, PUNGUDUTIVU, VADDUKKODAI, KATTUDAI, NALLUR ZONES, JMC TRANSMISSION PIPELINE AND CONSTRUCTION OF OFFICE/ STORE, QUARTERS AT NAVATKULI, KADDUDAI, VELANAI, POONERY, KARAVEDDY AND POKKANAI.	
Contractor	M/s. Sierra Construction Ltd
Date of award	29.10.2019
Date of Commencement	03.12.2019
Contract Period	730 days
Date of Completion	02.12.2020
Contract Sum	Rs. 2192.15 Mn

Construction Status	
Overall Physical Progress	74.56 % completed
Pipe laying work	69.53%
Building works	79.99%

2.4 Package : 04

CONSTRUCTION OF WATER TOWERS AT POMMAIVELLI, KARAVEDDY , NAINATIVU, ANALAITIVU AND ELUVAITIVU (ET 3)	
Contractor	M/s. Squire Mech Engineering (Pvt) Ltd
Date of award	28.05.2019
Date of Commencement	02.07.2019
Contract Period	540 days
Date of Completion	22.12.2020
Contract Sum	Rs. 565 Mn
Construction Status	
Overall Physical Progress	33%
Nainathivu (250 m3)	27%
Eluvathivu (100 m3)	60%
Analathivu (80m3)	21%
Karaveddi (250 m3)	48%
Pommaveli (1800m3)	236%

3. Environmental impacts and migratory measures taken at site and monitoring

There are impacts on physical, ecological and social environments for which mitigation measures have been taken by the contractor under the supervision of PMCIU and PEIC. The effectiveness of mitigation measures has been monitored and recorded by the contractor and PMCIU. In cases where further actions were needed, the PMCIU and PEIC have advised the contractor.

Table 3.1 below summarizes the activities carried out in each subproject, their impacts to the environment, mitigation measures taken to avoid/ minimize the adverse impacts, effectiveness of the mitigation measure adopted, and any further action needed.

Table 3.1: Activities carried out in each subproject, their impacts to environment, mitigation measures, effectiveness and any further action needed

Environmental Issues to consider	Mitigation measures	Monitoring Parameter	Mitigation Implemented	Mitigation effectiveness		Status of Corrective Action	Further Corrective Actions Required/ Timely
				Current semester	Overall Perform		Nature of Further Corrective Actions
Activity: 1.1. Construction of structures (water towers, sumps, pump houses and buildings)							
Occupational injuries and illness caused by substandard working arrangements (warning boards, scaffoldings, safety nets, form work, ladders, temporary access etc.)	(i) To provide adequate warning boards, barricades, safety nets, temporary access and standard scaffoldings, formwork and ladders and maintained until construction is over	(i)Adequate warning boards, barricades, safety nets, temporary access are provided and maintained well	Partly	Fair	To be continued	being complied with	There are warning boards and poor light arrangement poor at some places. Contractor strictly advised to improve safety.
Night works disturb neighbors and environment	(i) Minimize the work in night. Schedule the minor works at night. Inform the neighbors regarding the working time prior	(i) Night works are arranged as planned without affecting the neighbors and environment	Yes	Moderate	To be improved	being complied with	
Activity: 1. 2. Rock excavation							
Dust generation during rock drilling shall endanger health of drillers and others working/moving around	(i)To provide dust control arrangements while rock drilling (wet gunny bags)	(i)Dust control arrangements are provided while rock drilling (wet gunny bags)	Partly	Satisfactor y	To be continued	being complied with	There was rainfall and wet soil.
	(ii)To provide dusk masks for rock drillers while drilling	(i)Rock drillers are equipped with dust masks while drilling	Partly	Satisfactor y	To be continued	being complied with	
Dust blowing from uncovered material heaps during dry weather shall endanger public health	(i)To make sure that dusty material is transported only by covered trucks.	(i)Dusty material is transported only by covered trucks.	Partly	Satisfactor y	To be continued	being complied with	There was rainfall and wet soil.
Trucks overloaded with hauling material shall endanger public safety.	(i)To make sure that trucks are not overloaded while material transport	(i)Trucks are not overloaded while material transport	Yes	Fair	To be continued	being complied with	

Activity: 1. 4. Pipe-laying, installation of valves and hydrants, pressure testing, installation of service connection and reinstatement of trenches							
Insufficient protective measures around re-excavation shall endanger public safety	(i)To provide sufficient protective measures around trenches for the safety of workers/ pedestrians /road users	(i)Adequate warning boards, barricades, luminous stickers, night lamps are provided and maintained well	Partly	Moderate	To be improved	being complied with	
Dust generated during cutting the asphalt layer of the trench shall endanger occupational health	(i)To provide on-site dust control arrangement while cutting the asphalt layer	(i)On-site dust control arrangement is provided while cutting asphalt layer	Partly	Satisfy	To be improved	being complied with	There was rainfall and wet soil.
		(ii)well maintain the water spray at all time when using the asphalt cutter.	Partly	Satisfy	To be improved	being complied with	
Activity: 1. 5. Maintenance of storage areas							
Inadequate protective measures taken for storing flammable/ hazardous material/ lubricant /oils shall endanger occupational safety and health.	(i)To provide adequate protective measures for storing flammable/ hazardous material/ lubricant/oils	(i)Hazardous material (flammable/hazardous material/ lubricant/oils) are separated from human moving area	Partly	Fair	To be continue	complied	
		(ii)Adequate protective measures are taken to avoid access of authorized persons	Partly	Fair	To be continue	complied	
		(iii)Safety of hazardous material is regularly checked.	Partly	Moderate	To be improved	complied	
Material stockpiles (at open storage) wash away shall pollute surrounding environment.	(i)Washable material stockpiles (at open storage) are protected by rains	(i)Washable material stockpiles (at open storage) are covered by tarpaulins during the rainy seasons and surrounded by small conservation bunds	Partly	Moderate	To be improved	complied	
Dust generation inside storage areas shall endanger workers' health.	(i)To provide dust masks for the store labors working in dusty areas.	(i)Dust masks are provided for the store labors working in dusty areas.	Partly	Moderate	To be improved	complied	
Activity: 1. 6. Maintenance of office/ labour camps/stores/sites							
Lack of sanitary facilities provided at office/camps shall endanger occupational health	(i)To provide adequate sanitary facilities for the use of office/camp occupants	(i)Adequate sanitary facilities are provided for the use of office/camp occupants	Yes	Fair	To be improved	being complied with	Contractor advised to strictly implement the

Lack of safety precautions (e.g. Fire extinguishers, first aide, emergency exits, safe meeting point)shall endanger occupational safety	(i)To provide safety precautions (e.g. Fire extinguishers, first aide, emergency exits, safe meeting point)	(i)Safety precautions such as Fire extinguishers, first aide, emergency exits, safe meeting point have been taken	Partly	Moderate	-	being complied with	government and World Health Organization’s healthy and safety protocol for the prevention of COVID-19.
		(ii)Fire extinguishers are not outdated and first aid requirements are available	Partly	Moderate	To be improved	being complied with	
Activity: 1. 7. Use of machinery/equipment at construction work							
Construction vibration shall damage nearby public properties	(i)To take safety precautions to avoid damages nearby public properties due to vibration	(i)Crack survey has been carried out, prior to commence the construction.	Partly	Moderate	To be improved	being complied with	
		(iii)Post crack survey has been carried out	No	Moderate	To be improved	To be complid	
Noise generated during construction shall cause public nuisance	(i)To provide noise barriers when and where necessary	(ii)Bi-annual baseline survey is carried out to test the noise level	Yes	Fair	To be improved	being complied with	
Activity: 1. 8.Common items							
Employees attending work without wearing standard PPEs shall endanger occupational safety	(i)To provide standard PPEs (in correct size) to all employees	(i)To provide standard PPEs (in correct size) to all employees	Partly	Fair	To be continue	being complied with	
		(ii)All employees are fully equipped with standard PPEs while attending work	Partly	Moderate	To be improved	being complied with	
Vehicle exhaust during traffic congestion at roadside construction shall cause atmospheric pollution	(i)To implement engineer approved traffic management plan	(i)Traffic management plan (TMP) is approved by the engineer	Yes	Fair	To be continue	being complied with	
		(ii)Warning boards, speed limits, barricades, luminous stickers, night signal lamps, are adequately provided where necessary as per approved TMP	Partly	Moderate	To be continue	being complied with	

		(iii) Safe temporary access, pedestrian passes and road humps are adequately provided	Partly	Moderate	To be improved	being complied with	
		(iv) Traffic controllers are deployed as and when required	Yes	Moderate	To be improved	being complied with	
Construction waste scattered at sites, yards, public moving areas shall endanger occupational/public health and safety.	(i) To provide construction waste collecting and disposal arrangement and to maintain regularly	(i) Construction waste collecting arrangement is implemented.	Yes	Fair	To be improved	being complied with	Contractor advised to strictly implement the government and World Health Organization's healthy and safety protocol for the prevention of COVID-19.
		(ii) Local authority permission is obtained for disposal yards.	Yes	Fair	To be improved	being complied with	
		(iii) Regular construction waste disposal arrangements are implemented	Yes	Fair	To be improved	being complied with	
		(iv) Disposal yards are regularly reinstated	Partly	Moderate	To be improved	being complied with	
		(v) Construction waste is not disposed at unauthorized locations	Yes	Fair	To be improved	being complied with	
		(vi) Construction waste is not scattered at sites, camps and office premises	Yes	Fair	To be improved	being complied with	
Office waste/camp waste scattered around shall pollute surrounding environment	(i) To provide office/camp waste collecting and disposal arrangements	(i) Adequate garbage bins are provided at office/camp to collect segregated waste	Partly	Moderate	To be improved	being complied with	Contractor advised to strictly implement the government and World Health Organization's healthy and safety protocol for the prevention of COVID-19.
		(ii) Waste segregation is introduced and implemented	Partly	Moderate	To be improved	being complied with	
		(iii) Waste is regularly collected by the local authority	No	Moderate	To be improved	being complied with	
		(iv) Waste is not scattered over the ground	Yes	Moderate	To be improved	being complied with	

Vehicles /machinery /trucks movement during construction without standard signals, warning alarms, helping assistants shall endanger occupational/public safety	(i)To deploy vehicles/ machinery/ trucks having standard signals, warning alarms (in working order) by employing qualified drivers/ operators with helping assistants	(i)All vehicles /machinery trucks deployed are fitted with standard signals, warning alarms and which are working order	Partly	Moderate	To be improved	being complied with	
		(ii)All drivers/operators are qualified and no unqualified driver/ operator is deployed whatsoever	Partly	Moderate	To be improved	being complied with	
		(iii)Helping assistants are employed for all heavy machinery and trucks while working at sites	Partly	Moderate	To be improved	being complied with	
Handling of unsafe power tools and equipment shall endanger safety of workers (substandard insulation, broken plug tops and bases)	(i)To provide standard power tools without substandard insulation, broken plug tops and plug bases etc.	(i)Standard power tools are used by employees without substandard insulation, broken plug tops and plug bases etc.	Partly	Moderate	To be improved	being complied with	
Careless handling of tools, equipment, accessories, heavy items, lengthy items shall endanger safety of workers and others around	(i)To train employees for handling tools, equipment, accessories, heavy items, lengthy items associated with construction	(i)Employees are trained for handling tools, equipment, accessories, heavy items, lengthy items associated with construction	Partly	Moderate	To be improved	being complied with	
		(ii)Employee safety programs are conducted	Yes	Fair	To be continue	being complied with	
		(iii)Tool-box meetings are regularly conducted	Yes	Fair	To be continue	being complied with	

4. Public complains and Grievance Redress Mechanism

Grievances Redress Committee formed in all Divisional Secretariat Divisions and having quarterly meeting to discuss the issues and complaints. After restructuring of the project, now quarterly meetings are ongoing. So far 36 meetings held on DS Offices and it was explained to the community about the complaint process and the GRC details. If the complaint arises at the site, contractors immediately solve and submit the report to PD/ PMCIU.

All works are monitored by the PMCIU therefore the complaints are less. Grievance redress/ suggestion forms, complaints / suggestion boxes and complain register were placed at the following five locations:

1. DS Offices (where the project activities ongoing)
2. PMCIU
3. PEIC
4. NWSDB, Regional Manger's Office
5. Contractor's site Office

5. Grievances Redress Committee formation, Officers and their designation

This Committee is supported to record and resolve grievances regarding the ongoing project under the guidance of the Divisional Secretary. Establishment of GRC is completed. At the initial stage of the project formulation (JMC Package & SWRO) meeting were held in VE DSD and Jaffna DSD with GRC members. However, there is a long delay in awarding the contract and there is no physical works members requested to arrange GRC meeting after awarded the contract. Otherwise having just discussion is not worth.

6 summary of key issues/concerns identified during the reporting period and remedial actions

No Environmental related issues emerged during the reporting period.

7 Health and safety protocols for the prevention of COVID-19

There is a special committee formed for monitoring health and safety in offices and sites by the Project Director. And the project director informed the following instructions to prevent staff of JKWSSP contracting with COVID-19.

Issues/Concerns	Action	Status	Responsible officer	Remarks
Transport facilities for the staffs	Transport facilities will be given to the staff within the Jaffna district including the Maruthankerni area. If any staff using public transport facilities, they must wear proper masks and gloves. Gloves need to be placed outside the office.	Ongoing	Manager	
Entrance to the PMCIU Office	Staff entering the office are advised to clean footwear. Staff should be clean footwear by Chlorinated Doormat carpet.	Ongoing	Office assistant and Security officer.	
	Staff requested to wash the hands properly and enter the office.	Ongoing	Security officer.	
	Staff requested to wash the hands before use fingerprint and signing of attendance for daily attendances and also Staff requested to use sanitizer after fingerprint and signing of attendance	Ongoing	Office assistant and Security officer.	
	Staffs should wear a proper mask when they are in the office, if any staff do not to wear a mask, head of the section	Ongoing	Office assistant and Security officer.	

Issues/Concerns	Action	Status	Responsible officer	Remarks
	will take necessary actions			
Temperature measurement	At the entry point the temperature is checked and if high temperature (>37 Celsius) found then the officer is not allowed enter the office.	Ongoing	Security officer	
Meeting	<ul style="list-style-type: none"> • All members will use Zoom software to attend meetings. • Quality sanitizer and masks need to be provided 	Ongoing	Office assistant	
Contractor staffs	<ul style="list-style-type: none"> • Unless otherwise requested or needed only contractor staff could come to the office • Outside conference hall Space allocated for discussions. Registration of details – name, designation, working place, telephone number	Ongoing	Office assistant and Security officer.	
	<ul style="list-style-type: none"> • Suggest working in separate groups. Engineer and relevant office staffs could work in the main office and respective EAs could work in site offices • Take precautions during a site visit. • Check the implementation of submitted health and safety arrangements in sites 	Ongoing	DPD{D/CE/PE/one EA/ TL/Maximum two to three contractor personnel	

Issues/Concerns	Action	Status	Responsible officer	Remarks
	<ul style="list-style-type: none"> • Frequently check the approved staffs are working in sites. <p>Inform MOH with details when contractor staff return from other districts and get relevant instructions from the health sector</p> <ul style="list-style-type: none"> • Progress review meeting could be held with limited staffs in DN 2 conference hall 			

5. Conclusion and Recommendations.

The implementation of EMP guidelines by the Contractors is observed and presently it is applied for all of the packages. It is the main mechanism to minimize the environmental impact due to construction activities. The Contractors should always obey the EMoP guidelines as it clearly explains how to mitigate the environmental damages in the project sites. All the Contractors show their enthusiastic approach to Traffic Safety and Personal Safety activities throughout the reporting period. Package 1 is nearly the completion stage and any environmental issue was not recorded in the reporting period. The ongoing works of package 2 did not make vital impacts on the surrounding environment. However, observations revealed that there were no significant environmental related issues emerged. All contractors were strictly advised to implement measures for prevention of COVID-19. All contractors were strictly advised to inform their employees attending work to wear standard PPEs to ensure occupational safety.

6. APPENDIXES

6.1 Photos

SUPPLYING AND LAYING OF DISTRIBUTION NETWORKS IN PALAI, KODIKAMAM, MEESALAI, POONAKARY, PUTHUR, NAWATKULI, KARAINAGAR, PUNGUDUTIVU, VADDUKKODAI, KATTUDAI, NALLUR ZONES, JMC TRANSMISSION PIPELINE AND CONSTRUCTION OF OFFICE/ STORE, QUARTERS AT NAVATKULI, KADDUDAI, VELANAI, POONERY, KARAVEDDY AND POKKANAI.



Hand wash set up for prevention of COVID-19 – In front of Office -20/04/2020



Disinfection process is ongoing for prevention of



Disinfection process is ongoing at the Office – 12/5/2020

- **CONSTRUCTION OF WATER TOWERS AT POMMAIVELI, KARAVEDDY, NAINATIVU, NALAITIVU AND ELUVAITIVU (ET 3)**




All employees are provided with PPEs while going to the site at Analaitivu – 17/07/2020



All employees are fully equipped with standard PPEs while attending work at Pommaiveli -16/06/2020

6.2 Copies of environmental clearances and permits

1. Request letters & Road cutting permit :- Pradeshiya sabha – Chavakachcheri



National Water Supply and Drainage Board

JAFFNA KILINOCHCHI WATER SUPPLY AND SANITATION PROJECT

Project Director's office, MPCs Building (First Floor) 127, KKS Road, Jaffna

Tel: 021-2220256 Fax: 021-2220257 Email: pdjkwssp@gmail.com Web: www.jkwssp.org

My No. PD/JKWSSP/PMCTU/DN 02/78 Date: 12th March 2019

Chairman,
Chavakachcheri Pradeshiya Sabha

SUBJECT: REQUEST FOR SEEKING PERMISSION TO LAYING OF DISTRIBUTION PIPE LINE AT PRADESIYA SHABAH ROADS.

SUPPLYING AND LAYING OF DISTRIBUTION NETWORKS IN PALAI, KODIKAMAM, MEESALAI, POONAKARY, PUTHUR, NAWATKULI, KARAINAGAR, PUNGUDUTIVU, VADUKKODAI, KATTUDAI, NALLUR ZONES, JMC TRANSMISSION PIPELINE AND CONSTRUCTION OF OFFICE/ STORE, QUARTERS AT NAWATKULI, KADDUDAI, VELANAI, POONERY, KARAVEDDY AND POKKANAI

CONTRACT NO: PEIC/JKWSSP/NETWORK/2014/02

While thanking you for your support and assistance for the successful implementation of project.


We would like to bring to your kind attention that the above contract had been awarded to M/s Sierra Construction Ltd and works shall be carryout from April 2019. Further details of pipe laying key plan, back filling and temporary or permanent reinstatement of trenches are annexed. Which comes under purview of Pradeshiya Sabha Roads.

Therefore, we are kindly requesting you to grant the permission for above laying of distribution of pipeline accordingly.

Further, detail kindly contact Eng.T.Nirojan. Ph No: 0776660258 please.

Eng. S. Malathy,
Deputy Project Director (JKWSSP)
NWS&DB.

C: Commissioner of Local Government : f.y.i.pls
Northern Province



சாவகச்சேரி பிரதேசசபை-கொடிகாமம்

வடிகால்வெட்டி குடிநீர்வசதி-கொடிகாமம்

CHAVAKACHCHERI PRADESHIYA SABHA - KODIKAMAM

செலுத்து இல
செலுத்து
My No } NP/14/41(6)2/W&S/2019.

செலுத்து இல
செலுத்து
E-Mail } chavakachcheripsa1@yahoo.com

செலுத்து இல
செலுத்து
Telephone } 0212050356

செலுத்து இல
செலுத்து
Fax } 0212050348

DATE: - 26.07.2019

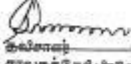
திட்டமிட்ட பணிகளைப் (பாதிப்பாணம்) கிடைக்கச் செய்து கொடுக்கல் மற்றும் கட்டிடக்கலை அனுமதி

Supplying and Laying of Distribution Networks in Meesalai, Kodikamam and Nawatkuli

மேற்படி லிட்டம் தொடர்பாக தங்களை PD/JKWSSP/PMCTU/DN 02/154 ம் இலக்க 05th June.2019ம் திகதிய கடிதப்பிரகாரம் தங்களுக்கு வேண்டிய திட்டத்தினை கீழ்வரும் நிபந்தனைகளுக்கு அனுமதி வழங்குவதற்கு எனது அனுமதியினை வழங்குவதற்கு சம்மதித்தினை தெரிவித்துக் கொள்ளுகிறேன்.

மேற்படி திட்டம் வேலைகளை ஆரம்பிக்கும் போது எழுது கொடுக்கப்பட உத்தியோகத்தின் தொடர்பினை மேற்கொண்டு ஆரம்பிப்பது விரும்பத்தக்கது.

1. தர விற்களை குறுக்காக வெட்டி Laying செய்வதானால் மீளவும் ஊர் இட்டு செல்லம் செயல் வேண்டும்.
2. Concrete வீதிகள் குறுக்காக வெட்டி Laying செய்வதானால் மீளவும் Concrete இட வேண்டும்.
3. வீதிகளில் Shoulder இனை வெட்டி Laying செய்வதனை தவிர்த்தல்.
4. வீதிகளில் Shoulder இற்கு அருகாக வெட்டி Laying செய்து செல்லம் செய்யும் போது அது மனல் வீதிகளில் அருகாக செட்டப்பட்டிருக்க வேண்டும்.
5. வீதிகளில் இறங்கு அருகாக வெட்டி Laying செய்வதில் அல்லாது செய்வதால் வீதிகளில் உடனடி தவிர்த்தல்.



தலைவர்
சாவகச்சேரி பிரதேசசபை
கொடிகாமம்

க.செவ்வியலன்
தலைவர்
சாவகச்சேரி பிரதேசசபை
கொடிகாமம்

PD's OFFICE - NWS & DB	
RECEIVED	
Date: 03 AUG 2019	
Signature:	
S.No: 0258	Time:
Action: CE. Balendra	

Urgent
pls inform concerned
an

2. Request letters & Road cutting permit:- Pradeshiya sabha – Valikamam West



National Water Supply and Drainage

JAFFNA KILINOCHCHI WATER SUPPLY AND SANITATION

Project Director's office, MPCS Building (First Floor) 127, KKS Road,
Tel: 021-2220256 Fax: 021-2220257 Email: pdjkwssp@gmail.com Web: www.nwsc.lk

My No. PD/JKWSSP/PMCIU/DN 02/81 Date: 11/04/2019

Chairman,
Valikamam South West Pradeshiya Sabha.

SUBJECT: REQUEST FOR SEEKING PERMISSION TO LAYING OF PIPE LINE AT PRADESIYA SHABAH ROADS.

SUPPLYING AND LAYING OF DISTRIBUTION NETWORKS IN PALAL, KODIK, POONAKARY, PUTHUR, NAWATKULI, KARAINAGAR, PUNGUDUTIVU, VADBUK, NALLUR ZONES, JMC TRANSMISSION PIPELINE AND CONSTRUCTION OF QUARTERS AT NAVATKULI, KADDUDAI, VELANAL, POONERY, KARAVEDDY AND CONTRACT NO: PEIC/JKWSSP/NETWORK/2014/02

While thanking you for your support and assistance for the successful implementation of the above project, we would like to bring to your kind attention that the above contract had been awarded to M/s. Construction Ltd and works shall be carryout from May 2019. Further details of pipe back filling and temporary or permanent reinstatement of trenches are annexed. View purview of Pradeshiya Sabha Roads.

Therefore, we are kindly requesting you to grant the permission for above laying pipeline accordingly.

Further, detail kindly contact Eng.T.Nirojan. Ph No: 0776660258 please.

Eng. S.Malathy,
Deputy Project Director (JKWSSP)
NWS&DB.

CC: Commissioner of Local Government : f.y.i.pls
Northern Province



வலிகாமம் மேற்கு பிரதேச சபை
වලිකාමම් බෙරේ ප්‍රාදේශීය සභාව
VALIKAMAM WEST PRADESHIYA SABHA

கழிபுறம் ஓலிபுரம் CHULIPURAM

உடனடி இலக்கம் Your No	எனது இலக்கம் My No	NP/14/41(17)/Req/2019
சமையல் E-mail:	valiwestos@gmail.com	08.04.2019

PO's OFFICE - NWS & DB

08.04.2019 **RECEIVED**

Date: 11 APR 2019

Signature: *[Signature]*

Time: *[Time]*

Action: *[Action]*

Eng. Nirojan

திட்டப்பணிப்பாளர்,
யாழ்ப்பாணம், கிளிநொச்சி நி. வழங்கல் மற்றும் சுகாதார
தேசிய நி. வழங்கல் சபை.

சபை விநியோகங்களில் நிகழாய்வுகள் தாழ்ப்புறு தொடர்பானது

மேற்படி விடயம் தொடர்பான, தங்களுக்கு PD/JKWSSP/PMCIU/DN02/83 ஆம் இலக்க 12.03.2019 ஆம் திகதிய கடிதம் சார்பானது, தங்கள் கோரிக்கை தொடர்பான 15.03.2019 ஆம் திகதிய சபை கூட்டத்தில் 06 ஆம் இலக்க தீர்மானத்திற்கு அமைவாக குடிநீர் விநியோகமானது எமது பிரதேசத்திற்கு அத்தியாவசியமானது என்பதனால் சபையின் விதிகளுக்கு மாறிப்பு ஒட்டாத வகையில் வீதி அறுகோரமாக சபை தொழில்நுட்ப உத்தியோகத்தார்களின் ஆலோசனையின் பிரகாரம் நி. விநியோக குழாய்கள் நிலத்தில் புதைப்பதற்கு அனுமதிக்கப்படுகின்றது என்பதைத் தங்களுக்கு அறிபடுத்துகின்றேன்.

த.ந.நேந்திரன்
தவிசாளர்
த.ந.நேந்திரன்
தவிசாளர்
வலிகாமம் மேற்கு பிரதேச சபை
கழிபுறம்

Pls proceed and keep copy at site

தொலைபேசி இலக்கம் Telephone No	021 225 0144	தலைவர் Chairman	021 225 2284	தொலைநகல் இலக்கம் Fax No	021 225 0144
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මාර්ග සංවර්ධන අධිකාරිය வீதி அபிவிருத்தி அதிகார சபை Road Development Authority

"සබයලාං මහාමාර්ග", කඩවිල්ල පොලිස්සෙට්ටි මාවත,
 කොට්ඨාස, කඩවිල්ල, ශ්‍රී ලංකාව.
 "கனியேறு மாவட்டம்", கட்டிவீல் போலீஸ்துறை மாவட்டம்,
 கனியேறு, கட்டிவீல்லா, கிழக்கு.
 "Magenneva Mahamarga", Denali Kottekaddura Mawatha,
 Kattavila, Battaramulla, Sri Lanka.

General Manager
 National Water Supply & Drainage Board
 Galle Road,
 Ratmalana.

මෙම ලේඛන
 යෙදුම සඳහා
 My No.

RDA/MM/W/TREN/95

මෙම අංකය
 පිටත සඳහා
 Your No.

08.02.2019

PD'S OFFICE - NWS & DB	
RECEIVED	
Date: 12 FEB 2019	
S. No.	
Sl. No.	490
Time	
Approved	CE Jaffna
Acc	Eng. Rajan

REQUEST FOR SEEKING PERMISSION TO SUBMIT A BANK GUARANTEE FOR MAINTENANCE PERIOD

NAME OF WORK: SUPPLYING OF LAYING OF DISTRIBUTION NETWORKS IN PALAI, KODIKAMAM, MEESALAI, POONAKARY, PUTHUR, NAWATUKULI, KARAINAGAR, PINGUDUTHIRU, VADUUKKODAI, KATTUDAI, NALLUR ZONES, I/MC RETAINMENT PIPELINE AND CONSTRUCTION OF OFFICE/STORE, QUARTERS AT VELANAI, KADODAI, NAVATUKULI, POKKANAI, POONARY AND KARAVEDDY


CONTRACT NO: POIC/JKWSSP/NETWORK/2014/02

Reference to your letter No: PD/JKWSSP/PMCIU/DN02/049 dated 22nd January 2018 on the above.

It has been requested by the Chief Engineer (RDA), Jaffna, by his letter No: RDA/CE/J/NW/42 dated 17.09.2018 (Copy attached) to make the payment of Rs.67, 487,892.21 for the execution of the above work whereas 5% supervision charges Rs. 22,495,964.07 and 10% refundable deposit Rs. 44,991,928.14.

With the past experience, RDA has decided to get the supervision charges and the refundable deposit before the commencement of the work.

Therefore, you are requested to deposit the sum of Rs. 22,495,964.07 and to submit a Bank Guarantee for Rs. 44,991,928.14 as a refundable deposit, in advance to grant permission to carry out the works.



Eng. K.A. Marawera
 Director General
 Road Development Authority


plz note and follow up to get Bank Guarantee

Copy to: 1. Director (MM) - RDA
 2. Provincial Director /MP- RDA
 3. Chief Engineer (Jaffna) - RDA

- f:pl
 - f:pl
 - f:pl

Telephones:-

Chairman 2862767, Director General 2862795, Working Director 2867257, General Number ++94-11-2046200
 Additional Director General (Projects) 2862488, AO&M 2864804, CD 2862194, NP 2868923)
 Directorates (Administration 2865245, Construction 2864388, Engineering Services 2864003, EO&M 038-2291373, ESD 2187165,
 Finance 2864799, Highway Design 2874024, Internal Audit 2872661, Lands 2869390, Legal 2188044, Mechanical 2872273,
 MM 2862198, Planning 2862985, Procurement 2868563, QA&PM 2887235, R&D 2623549, Rural Bridges 2623886, Training 2869347)

		RECEIVED 7 JUN 2019 NWSDB Room	
National Water Supply and Drainage Board			
JAFFNA KILINOCHCHI WATER SUPPLY AND SANITATION PROJECT			
Project Director's office, MPCS Building (First Floor) 127, KKS Road, Jaffna			
Tel: 021-2220256 Fax: 021-2220257 Email: pdkwssp@gmail.com Web: www.jkwssp.org			
My No: PD/KWSSP/PMCTU/DN 02/157		Date: 08 th June 2019	
Through: Add LGM(WSPV) DG(M(ADB))			
General Manager <i>[Signature]</i> 08/06/2019			
<u>SUPPLYING AND LAYING OF DISTRIBUTION NETWORKS IN PALAL KODIKAMAM, MEENALAI POONAKARY, PUTHUR, NAWATKULLI, KARAINAGAR, PUNGUDUTTU, VADUKKODAI, KATTUDAI, NALLUR ZONES, JMC TRANSMISSION PIPELINE AND CONSTRUCTION OF OFFICE/STORE, QUARTERS AT VELANAI, KADDUDAI, NAVATKULLI, POKKANAI, POONERY AND KARAVEEDY</u>			
<u>CONTRACT NO : PEIC/KWSSP/NETWORK/2014/02</u>			
<u>SUBJECT: Signing of Agreement between NWSDB and RDA</u>			
This is in reference to the above mentioned Contract;			
We hereby forwarding the agreement (3 copies) between NWSDB and RDA for laying pipeline in the RDA roads under the above Contract for getting signatures from Chairman, NWSDB and Vice Chairman, NWSDB please.			
<i>T.B.P.E</i> Eng.T.Barathidasan Project Director -KWSSP NWSDB			
DATED 08/06/2019 No. <u>8855</u> <i>[Signature]</i> Secretary			
PD'S OFFICE - NWS & DB RECEIVED Date: 24 JUN 2019 Signature: Name: _____ Title: _____ Action: Eq. / Miriam / E. A. Arani /			

[illegible]

RECEIVED
 Date: 12 AUG 2019
 Signature:
 S.No: 2409 Time:
 Action: CE. Balendra Singh Nitroja
 Secy, Govt.

Your corporation in this regards will be highly appreciated.

Copy: Project Director, JK WSSP - NWSDB - f.i.pl

N. VETHANAYATHAN
GOVERNMENT AY
DISTRICT SECIL
JAFNA, DISTRICT

6. Consent letter – individual person

Translation.

S.Chandrakumar (Contact No: 0779532188)
A9 Road
Pallai.

Project Director,
Jaffna Kilinochchi Water Supplies and Sanitation Project.
National Water Supplies & Drainage Board.
Jaffna.


Declaring consent for laying Drinking Water Pipe.

I hereby declare my consent for laying drinking water pipes in front of my house/shop (6M to 7M from the centre of the Road) as part of the activities undertaken to lay drinking water pipes under the Jaff-Kilinochchi Water Supply and Sanitation Project of the National Water Supplies and Drainage Board and request that if any damages are caused to my ~~Shop Building/ House/boundary wall/ fence~~, to make them good to the previous condition.

Thank You.

Sgd. S.Chandrakumar.

Translated by me.


V.F.JOSEPH
Sworn Translator
English - Tamil
No.27, Our Lady of Mirado's East Road,
Kurunagar, Jaffna.
23/7/2019

Translation.

Y.Kokilakumar (Contact No: 0772863668)
Ambal Kade,
A9 Road
Pallai.

Project Director,
Jaffna Kilinochchi Water Supplies and Sanitation Project.
National Water Supplies & Drainage Board.
Jaffna.

Declaring consent for laying Drinking Water Pipe.

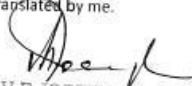
I hereby declare my consent for laying drinking water pipes in front of my house/shop (6M to 7M from the centre of the Road) as part of the activities undertaken to lay drinking water pipes under the Jaff-Kilinochchi Water Supply and Sanitation Project of the National Water Supplies and Drainage Board and request that if any damages are caused to my Shop Building/ House/boundary wall/~~fence~~, to make them good to the previous condition.

Thank You.


Sgd. Y.Kokilakumar.

Note : Consent is being expressed for Pillaiyar Kadai also.

Translated by me.


V.F.JOSEPH
Sworn Translator
English - Tamil
No.27, Our Lady of Mirado's East Road,
Kurunagar, Jaffna.
23/7/2019

7. Environmental Clearance for Construction of towers and Supply and laying of pipes for water distribution network – CEA


ඔබේ ලේඛන No. 1598 Your Ref. අපේ ලේඛන No. 1598/31 Our Ref. දිනය Date	15.07.2014 Project Director, JKWSSP, Jaffna.	මධ්‍යම පරිසර අධිකාරිය மத்திய சுற்றுமடல் அதிகாரசபை Central Environmental Authority "පරිසර පීයා", 104, ඩෙන්‍සිල් කොබ්බෑකඩුව මාවත, නුගේගොඩ, ශ්‍රී ලංකා. "பரிசு பியா", 104, டென்சில் கொப்பகடவை மாவட்டம், நுகேடுமலை, ஸ்ரீ லங்கா. "Parisara Piyasa", 104, Denzil Kobbekaduwa Mawatha, Nugegoda, Sri Lanka. Web : www.cea.lk Northern Provincial Office, Jaffna, T.P : 0212224050	 PD's Office, NWSS DP RECEIVED 15 JUL 2014 (54) JKWS & SP, Jaffna
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Construction Of Water Towers at Puttur, Meesalai, Poonakari, Navatkaly, Kaddudai, Velanai and Mandaitivu (Package I) and Supplying and Laying of pipes of Water Distribution network in Kayts Velanai and Mandaitivu.

Reference to your letter No: PD/JKWSSP/PMCIU/CEA, dated 16.06.2014 on the above subject;

I kindly inform you that the construction of water towers and laying of pipes for water distribution is not a prescribed activity. Therefore, the Environmental Recommendation of Central Environmental Authority is not necessary.

Thanking you,


 Actg. Deputy Director,
 Central Environmental Authority,
 Northern Provincial Office,
 Jaffna.

Actg. Deputy Director
 Central Environmental Authority
 Northern Provincial Office
 Jaffna.

Mr. S. S. S. S. S. S.
 1/14/2
 2

Chairman Tel : 2872361, 2872348 Fax : 2872347	Director General Tel : 2872339 Fax : 2872606	Gen. Office Tel : 2872278, 2873447, 2872277-288, 2873448 Hot Line : 2889999	Media Unit : 2873449
Deputy Director General HRD, Admin & Finance Division Tel : 2862290 Fax : 2872303	Env. Pollution Control Division Tel : 2873435 Fax : 2872603	Env. Mgt & Assess. Division Tel : 2872484 Fax : 2872726	Env. Edu. & Awareness Division Tel : 2872297 Fax : 2872606
Director 2872607 (Admin) 2872301 (HRD), 2872280 (Finance) 2872603 (Admin), 2863184 (Finance)	2873433 (EPC), 2872606 (G.A.) 2862335 (RM)	2872346 (NRM), 2876643 (EIA) 2867363 (R&D)	2867266 (EEA) 2872604 (Enlight.) (Western Province) Tel : 2862303 Fax : 2862283

20 හා 2000 වර්ෂීය ගිණුමේ අත්සන | கட்டுமானம் மற்றும் சுற்றுச்சூழல் அமைச்சு | Ministry of Environment and Renewable Energy