



Environmental Monitoring Report

Project Number 37378-013
Loan Numbers 2710 (SRI) and 2711-SRI (COL)
Annual Report
January to December 2019

January 2020

SRI : Jaffna and Kilinochchi Water Supply and Sanitation Project (JKWS&SP)

Prepared by JKWS&SP Project Management Unit of National Water Supply & Drainage Board (NWS&DB), for the Ministry of City Planning, Water Supply and Higher Education (formerly known as Ministry of Water Supply and Drainage) of Sri Lanka and the Asian Development Bank.

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Asian Development Bank



Jaffna Kilinochchi water supply and sanitation project

NATIONAL WATER SUPPLY & DRAINAGE BOARD

**Annual
Environmental Safeguards Compliance
Monitoring Report- 2019**

Project Management Coordination and Implementation Unit

Jaffna Kilinochchi Water Supply and Sanitation Project

National Water Supply & Drainage Board

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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 Jaffna and Kilinochchi Water Supply and Sanitation Project is part of efforts to assist the Government of Sri Lanka in social and physical enhancement of the North which was earlier subjected to a conflict which retarded modernized infrastructure development in the North for a long period of time. Supported by the Asian Development Bank (ADB) and Agence Française de Développement (AFD), with the Ministry of Water Supply and Drainage (MWSDB) as the executing agency and the National Water Supply and Drainage Board (NWSDB) as the main implementing agency, the project began with a feasibility study in 2005 – 2006.

The project was financed with a total cost of US\$ 164.04 million (US\$ 90 million from ADB, US\$ 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 and the enhancement of the standards of living of the people in Jaffna peninsula and to support the resettlement and 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 around 80,000 people in Jaffna Municipal Council area.

The initial design of the drinking water scheme was entirely dependent on abstracting water from Iranaimadu Tank but the progress of the project was hampered due to a dispute over water sharing between drinking water requirement and irrigation needs. After in-depth technical studies and a lengthy evaluation process the consensus has finally been reached to construct a Desalination Plant with 24,000 cu.m./day capacity at Thalayadi village (Vadamaradchi East DS division) in Jaffna district.

The Project (JKWSSP) was revised due to the change of water source from Iranamadu tank to a desalination plant and to strengthen the water supply component. The following changes are proposed: (i) cancellation of water treatment plant and bulk water transportation from Iranamadu tank originally cofinanced by the Agence Française de Développement (AFD), (ii) exclusion of the sewerage component (iii) inclusion of a desalination plant, (iv) inclusion of the household water connections, and (v) inclusion of water resource management and outreach activities. Based on the revised cost estimates and the cancellation of the AFD financing, the government has requested additional financing of \$120 million from ADB to meet the change in project scope and the additional loan was signed on 15th December 2017. The closing date of current loan had been extended from 14 August 2017 to 31 December 2020 to complete the revised project scope through the current project and the proposed additional financing. The project has been categorized as Category B on environment under ADB Safeguard Policy Statement, 2001 (SPS).

1.1 Environmental Safeguard Team

Name	Name of the Officer	Designation/ Office	Email Address	Contact Number	Roles
PMCIU ¹	T.Barathithasan	Project Director	pdjkwssp@gmail.com	212220256	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 submitting by Environmental assigned officers.
	S.Malathy	Deputy Project Director	malathycejkwssp@gmail.com		
	R.Balendra	Chief Engineer	balendrajkwssp@gmail.com		
	V.Vijaykanth	Senior Engineer	vijayjkwssp@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 PMCIU ² .
	S.Sivathasan	Chemist	s.thas13@gmail.com		
	S.Arani	Project Engineer	seearani@gmail.com		
PIU (Contractor Site)	T. Basil Steve	Project Manager	pperera@sierra.lk	112584681 /07187423 06	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 submitting by Environmental assigned officers.
		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

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 is not 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.

					infestation or an outbreak of food poisoning and provide feedback to the PM.
Consultant	S.Thirunavukkarasu	Team Leader (Individual Consultant)		0773521346	
Consultancy Firm (PMSC)		Team leader	Negotiation completed and the agreement to be signed. These recruitment done after awarded the RO contract.		
		Environmental Social Compliance Officer			
		Health and Safety Officer			
Consultancy Firm (EMT)		Environmental Compliance Officer	Proposal under review. These recruitment done after awarded the RO contract.		
		Safety Compliance Officer			
		Safety Expert			
		Team Leader/Environmental			

1.2 Contractors', Supervision Consultants' and Clients' role in environmental safeguards compliance

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 with overall responsibility for implementation of EMP and EMoP through the contractor. The consultant, M/s.Groonji working under Project Engineering and Institutional Consultancy supervise the Contractor in implementing the EMP. The Prospective contractors has developed an Environmental Management Plan and it have been reviewed and approved by PEIC.

2. Construction activities during the Period

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	01.08.2018, Contract period extension given upto 31 st May 2019
Contract Sum	Rs. 2646 Mn
Construction Status	
Overall Physical Progress	84.16%
Procurement, Supply & Delivery of DI Pipes / Fittings	99%
Route confirmation and Laying of DI Pipes & Fittings from Puthukkadu -Meesali	96%
Route conformation &Laying of DI Pipes & Fittings from Meesali-Nallur	79%
Culvert Crossing/Bridge crossing/ on column support laying	91%
Construction of Meesalai sum & Fixing of pipes and related works	82%
Construction of Nallur sum & Fixing of pipes and related works	72%

Temporary Reinstatement – RDA, RDD & UC/PS Roads /Shoulder/Embarkment	92%
Permanent Reinstatement – RDA, RDD & UC/PS Roads	54%
Pressure testing	68.20%
Construction of valve chambers & Fixing of valves	49%

2.2. Package : 02

SUPPLY AND LAYING OF TREATED WATER TRANSMISSION MAIN (PART 2) INCLUSIVE OF 144KM OF TWTM SUB MAIN, FOUR WATER RESERVOIRS AND TEN BOOST PS)	
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	26.07.2018, Contract period extension given upto 31 st May 2019
Contract Sum	Rs. 2890 Mn
Construction Status	
Overall Physical progress	87.27%
Overall Progress	
Procurement, Supply & Delivery of DI Pipes / Fittings	100.00%
Procurement, Supply & Delivery of HDPE Pipes / Fittings	100.00%
Laying of DI/HDPE Pipes & Fittings from Meesalai sump to Karaveddy/Puttur/Karaveddy new towers	96.00%
Laying of DI Pipes & Fittings from Nallur sump to Old park/JMC/Pommaveli towers and Kallundai sump	92%
Laying of DI/HDPE Pipes & Fittings in Nainathivu/Analaithivu/Eluvaithivu	92%
Laying of DI Pipes & Fittings from Kallundai sump to Karainagar/Kayst/Velanai/ Allalpity /Punkuduthivu towers	95%
Construction of 100 m3 Punguduthivu sump	96.00%
Construction of 1500 m3 Kallundai sump	95.00%
Construction of 100 m3 Pooneri sump	92.00%

Laying of DI/HDPE Pipes & Fittings from Paranthan to Pooneri	95%
Culvert Crossing (20%) /Bridge Crossing (30%) / On Column Support Laying (50%)	85%
Temporary Reinstatement of RDA, RDD, UC/PS Roads and Shoulder, Embankment etc.	65%
Pressure Testing	75%
Construction of valve chambers & Fixing valves	60%

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	12% completed
Procurement, Supply & Delivery of PVC Pipes / Fittings	
Construction OIC building at Navatkuli	

2.4Package : 04

CONSTRUCTION OF WATER TOWERS AT POMMAIVELI, 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	
Date of Completion	22.12.2020
Contract Sum	Rs. 565 Mn
Contruction Status	
Overall Physical Progress	9.96%
Nainathivu (250 m3)	20%
Eluvathivu (100 m3)	10%
Analathivu (80m3)	5%
Karaveddi (250 m3)	25%
Pommaveli (1800m3)	2%

3. Environmental impacts, mitigation 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	Mitigati on Implem ented	Status of Corrective Action	Further Corrective Actions Required /Timely
					Nature of Further Corrective Actions
Activity: 1.1 Foundation Excavation for structures (water towers, sumps, pump houses and buildings)					
Shoring arrangements may cause sound pollution to the environment	(i) Machinery that is well maintained and emit low noise is used for construction works.	(i)Machinery were used with soundproof	Partly	Outstanding	
Activity: 1.2. 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, form work and ladders and maintained until construction is over	(i)Adequate warning boards, barricades, safety nets, temporary access are provided and maintained well	Partly	Outstanding	
Night works disturb neighbours and environment	(i) Minimize the work in night. Schedule the minor works at night. Inform the neighbours regarding the	(i) Night works are arranged as planned without affecting the neighbours and environment	Yes	Outstanding	

	working time prior				
Activity: 1. 3. Excavation of Trial pits and trenches					
Insufficient protective measures around pits and trenches shall endanger safety of workers/ pedestrians /road users	(i)To provide sufficient protective measures around pits and trenches for the safety of workers/ pedestrians /road users	(i)Adequate warning boards, barricades, luminous stickers, night lamps are provided and maintained well	Yes	Outstanding	
Unstable trenches shall endanger safety of workers inside the pits and trenches	(i)To provide shoring as per engineer's recommendation	(i)Shoring arrangements are provided as per engineer's recommendations	Partly	Outstanding	
Activity: 1. 4. 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	Ongoing	
	(ii)To provide dusk masks for rock drillers while drilling	(i)Rock drillers are equipped with dust masks while drilling	Partly	Ongoing	
Activity: 1. 5. Hauling of material					
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	Outstanding	
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	Outstanding	
Activity: 1. 6. Pipe-laying, On column crossing, Sea crossing below the sea bed, installation of valves and hydrants, pressure testing, installation of service connection and reinstatement of trenches					
Environmental pollution caused by marine construction	(ii) Pipelines will be damaged by anchors or fishing gear	The location clearly marked with buoys and other marine time signs	Partly	Outstanding	
Activity: 1. 7. Maintenance of storage areas					
Inadequate protective measures taken for storing flammable/hazardous material/lubricant/oils shall endanger	(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	Outstanding	

occupational safety and health.		(ii)Adequate protective measures are taken to avoid access of authorized persons	Partly	Outstanding	
		(iii)Safety of hazardous material is regularly checked.	Partly	Outstanding	
Activity: 1. 8. Maintenance of office/ labour camps/stores/sites					
Unsafe electrical work (unsafe wiring, power outlets, and fixtures) shall endanger occupational safety	(i)To provide safe electrical works at office/camps/stores/sites	(i)To obtain electrical works standards certification by a qualified officer in regular intervals (quarterly)	Yes	Outstanding	
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	Outstanding	
		(ii)Fire extinguishers are not outdated and first aid requirements are available	Partly	Outstanding	
		(iii)Fire-drill has been carried out	Partly	Outstanding	
Activity: 1. 9. 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	Outstanding	
		(iii)Post crack survey has been carried out	Partly	Outstanding	
Noise generated during construction shall cause public nuisance	(i)To provide noise barriers when and where necessary	(i)Noise barriers are provided as necessary	Partly	Outstanding	
Fuel/oil spills shall cause environmental pollution	(i)To deploy quality tested machinery and vehicles	(i)Quality certified machinery and vehicles are deployed	Partly	Outstanding	
		(ii)Quality of machinery and vehicles are regularly observed	Partly	Outstanding	
Activity: 1.10. Common items					
Employees attending work without wearing standard PPEs shall endanger occupational	(i)To provide standard PPEs (in correct size) to all employees	(i)To provide standard PPEs (in correct size) to all employees	Partly	Outstanding	

safety		(ii)All employees are fully equipped with standard PPEs while attending work	Partly	Outstanding	
Vehicle exhaust during traffic congestion at roadside construction shall cause atmospheric pollution	(i)To implement engineer approved traffic management plan	(ii)Warning boards, speed limits, barricades, luminous stickers, night signal lamps, are adequately provided where necessary as per approved TMP	Partly	Outstanding	
		(iii)Safe temporary access, pedestrian passes and road humps are adequately provided	Partly	Outstanding	
		(vi)Construction waste is not scattered at sites, camps and office premises	Yes	Outstanding	
Office waste/camp waste scattered around shall pollute surrounding environment	(i)To provide office/camp waste collecting and disposal arrangements	(iii)Waste is regularly collected by the local authority	Partly	Outstanding	
Dust generation during construction under dry weather shall endanger occupational/public health	(i)To provide regular water spreading system or to deploy sprinkler attached water bowsers regularly	(i)Regular water spreading system is provided or sprinkler attached water bowsers are regularly deployed	Partly	Outstanding	
		(ii)Dust is not generated at construction area	Partly	Outstanding	
		(iii)Dust is not deposited over the surrounding area	Partly	Outstanding	
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	Outstanding	
		(ii)All drivers/operators are qualified and no unqualified driver/operator is deployed whatsoever	Partly	Outstanding	
		(iii)Helping assistants are employed for all heavy machinery and trucks while working at sites	Partly	Outstanding	
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	Outstanding	
Fine aggregate wash away from material heaps during rains shall pollute surrounding environment	(i)To protect fine aggregate material stockpiles at site from wash away during rains	(i)Washable material stockpiles at site are covered by tarpaulins during the rainy seasons and surrounded by small conservation bunds	Partly	Outstanding	

		(ii)Roads and surrounding environment is not polluted by washed material deposits	Partly	Outstanding	
		(iii)Baseline survey for water quality is regularly conducted	Partly	Outstanding	
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	Outstanding	
		(ii)Employee safety programs are conducted	Yes	Outstanding	
		(iii)Tool-box meetings are regularly conducted	Yes	Outstanding	

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 the restructured 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 arise 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

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

Issues/Concerns	Corrective Action	Status	Remarks
Damage of a fence or boundary wall	Contractor have built a new fence or boundary wall	Work has been completed	
Tree cutting	Compensation paid to the house owner by the contractor under the third party damage and contractor have implemented replanting program	Work has been completed	

5. Conclusion and Recommendations.

The implementation of EMP guidelines by the Contractor is observed and presently it is applied all of the packages. It is the main mechanism to minimize the environmental impact due to construction activities. The Contractor should obey the EMoP guidelines at all times as it clearly explains how to mitigate the environmental damages at the environmentally sensitive areas in the project sites. All the Contractor shows his 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 some impacts due to dust emission and increase the turbidity of water during the sea-crossing. During the reporting period, some environment issue was reported of Package 3, as Damage of a fence or boundary wall, Tree cutting. And also any environmental issue was not recorded in the reporting period of package 4.

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.



Pipe laying work -



Pipe laying work – Kodikamam 18/7/2019



Pipe laying work – Meesalai 18/7/2019



Pipe laying work – Poonakary
14/8/2019



Store and Office building - Navatkuli



Pipe laying work –
Poonakary 3/10/2019



Team photo - Navatkuli

- **SUPPLY AND LAYING OF TREATED WATER TRANSMISSION MAIN (PART 2) INCLUSIVE OF 144KM OF TWTM SUB MAIN, FOUR WATER RESERVOIRS AND TEN BOOST PS)**



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





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/PMCTJ/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, VADDUKKODAL KATTUDAI, NALLUR ZONES, JMC TRANSMISSION PIPELINE AND CONSTRUCTION OF OFFICE/ STORE, QUARTERS AT NAVATKULI, 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.d.pls
Northern Province



சாவகச்சேரி பிரதேசசபை-கொடிகாமம்
உலகவிழை சூட்டேசியசபை-கொடிகாமம்
CHAVAKACHCHERI PRADESHIYASABHA -KODIKAMAM

எனது இல } NP/14/41(6)2/W&S/2019.
 கைச்சாத்தா }
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0212050356
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DATE: 26.07.2019

தீட்டியில் பண்பாடுகள் (பழம்பாடும்) கிடைக்காத நிலைமையில் மற்றும் அதற்குரிய அடிப்படையில்
கேள்வி நீர் வழங்கல் வழங்கல் அமைப்பு சமூக

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

மேற்படி ஊடகம் தொடர்பாக தங்களின் PD/JKWSSP/PMCTU/DN 02/154 ம் இலக்க 05th June 2019ல் தீர்மானம் கையெழுத்தான தங்களுடைய வேண்டுகோள்களைக் கீழ்க்கண்ட கமிஷனார் நிர்வாகிகளைக் கண்டு அவையாக மேற்கொள்வதற்கு எனது அனுமதிபலன் வழங்குகின்றது சம்பந்தத்தினை தெரிவித்துக் கொள்கின்றேன்.

மேலும் தங்கள் வேண்டவர்கள் ஆரம்பிக்கும் பொது சாது தொழில்நுட்ப உத்தியோகத்தின் தொடர்பான மேற்கொண்டு ஆரம்பிப்பு விரும்பத்தக்கது.

1. கார் வீதிகளை குறுக்காக வெட்டி Laying செய்வதானால் மீளவும் தர இடம் செய்யப் செய்ய வேண்டும்.
2. Concrete வீதிகள் குறுக்காக வெட்டி Laying செய்வதானால் மீளவும் Concrete இட வேண்டும்.
3. வீதிகள் Shoulder இனை வெட்டி Laying செய்வதனை தவிர்த்தல்.
4. வீதிகள் Shoulder இந்து அருகாக வெட்டி Laying செய்து செய்யப் செய்யப் போது அது மனதில் வீதிகளில் அதனை செப்பப்பட்டிருக்கிறது என்று இட வேண்டும்.
5. வீதிகளில் இறங்கு அங்குத் தட்டால் வெட்டி Laying செய்வதும் அவ்வாறு செய்வதால் வீதிக் Shoulder உடனடியாக தவிர்த்தப்படும்.

தமிழகம்
சாலைத் தீர்வுப் பிழைச்செயல்
கொள்களால்

உள்ளுமட்டுமல்ல
தூய்மையான
காலம். இதைப் பற்றித் தான் உண்மையான
பொருள் உண்டாம்.

PD's OFFICE - NWS & DG
RECEIVED
Date: 03 AUG 2019
Signature: _____
S.No: 0866 Time: _____
Action: DE. Salendra

urgent
pls in box n'm contract
for




Name: _____
 Address: _____
 City: _____
 State: _____
 Zip: _____
 E-mail: _____


எனது இ
கையாள்
My No
திகதி
දාත
Date

pls proceed
and keep copy
at site
pm

021 225 0144

<p align="center">මහේස්වරී සංවර්ධන අධිකාරිය விதி அபிவிருத்தி அதிகார சபை Road Development Authority</p> <p>"සබයෙහි මහලොදු", හටගත්තේ කොළඹ 05 නගරය, පානවිල, ඔට්ටම්පිල්ල, ශ්‍රී ලංකාව. "கனடெஸ் பழையோடு", கல்கிர் கோட்டியில் உள்ளது, கொச்சி, ஓட்டம்பிட்டல், இலங்கை. "Mageneseri Mahalodu", Develi Kalkidrewe Mawatha, Kotte, Battaramulla, Sri Lanka.</p> <p>General Manager National Water Supply & Drainage Board Galle Road, Ratmalana.</p>	<p>සේව් ගූණක් සේවා කිරීම My No. RDA/MM/W/TREN/95</p> <p>சேவ் குணம் சேவை தர Your No.</p> <p>දිනය දිනය 08.02.2019</p>
<p>REQUEST FOR SEEKING PERMISSION TO SUBMIT A BANK GUARANTEE FOR MAINTENANCE PERIOD</p>	
<p>NAME OF WORK: SUPPLYING OF LAYING OF DISTRIBUTION NETWORKS IN PALAI, KODIKAMAM, MEESALAI, POONAKARY, PUTHUR, NAWATKULI, KARAINAGAR, PUNJUDUTHIVU, VADUUKKODAI, KATTUDAI, NALLUR ZONES, IMC TRANSMISSION PIPELINE AND CONSTRUCTION OF OFFICE/STORE, QUARTERS AT VELANAI, KADDUDAI, NAVATKULI, POKKANAI, POONARY AND KARAVEDDY</p>	
<p>CONTRACT NO: POIC/KWSSP/NETWORK/2014/02</p>	
<p>Reference to your letter No: PD/JKWSSP/PMCIU/0N02/049 dated 22nd January 20 on the above.</p>	
<p>It has been requested by the Chief Engineer (RDA), Jaffna, by his letter No: RDA/CE//W/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.</p>	
<p>With the past experience, RDA has decided to get the supervision charges and the refundable deposit before the commencement of the work.</p>	
<p>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,</p>	
<p>Eng. K.Amarasekera Director General Road Development Authority</p> <p align="right"><i>Please note and follow up for Bank guarantee</i></p>	
<p>Copy to:</p> <ul style="list-style-type: none"> 1. Director (MM) - RDA - f.i.pl 2. Provincial Director /NP- RDA - f.i.pl 3. Chief Engineer (Jaffna) - RDA - f.i.pl 	
<p>Telephones:-</p> <p>Chairman 2862787, Director General 2862795, Working Director 2867257, General Number +94-11-2046200 Additional Director Generals (Projects 2862495, AORM 2864804, CD 2862194, NP 2860923) Directorates (Administration 2865245, Construction 2864388, Engineering Services 2864803, EOM 038-2291373, ESD 287185, Finance 2864789, Highway Design 2874024, Internal Audit 2872561, Lands 2863500, Legal 2188044, Mechanical 2872273, MM 2862196, Planning 2862985, Procurement 2866063, QA&PM 2867235, R&D 2832549, Rural Bridges 2823896, Training 2869342)</p>	





National Water Supply and Drainage Board

JAFNA 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.lk

My No: PD/JKWSSP/PMCTU/DN 02/157
Chairman

Date: 08th June 2019

General Manager *T.B.P.*

Through: Addl.GM(WSP) *g.guyal*
DGM(ADB) *11/06/2019*

SUPPLYING AND LAYING OF DISTRIBUTION NETWORKS IN PALAI, KODIKAMAM, MEESALAI, POONAKKARY, PUTHUR, NAWATKULI, KARANAGAR, PUNGUDETITI, VADDEKKODAI, KATTUDDAI, NALLUR ZONES, JMC TRANSMISSION PIPELINE AND CONSTRUCTION OF OFFICE/STORE, QUARTERS AT VELANAI, KADDUDDAI, NAWATKULI, POKKANAI, POONERY AND KARAVEEDDY

CONTRACT NO.: PFC/JKWSSP/NETWORK/201409

SUBJECT: Signing of Agreement between NWSDB and RDA

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.

T.B.P.

Eng. T. Ramathilasan
Project Director JKWSSP
NWSDB

12/06/2019

Entered in the *Register*
On *08.06.2019*

N

PD'S OFFICE - NWS & DB	
RECEIVED	
Date: 24 JUN 2019	
Signature:	
Date:	Time:
Action: <i>Eng. Nirajam / Eng. Arani /</i>	

This agreement is made and entered into this¹³..... day of
.....^{July}..... 2019 in the Democratic Socialist Republic of Sri Lanka.

Road Development Authority, a Corporation incorporated under the Road Development Authority Act, No. 73 of 1981 of Sri Lanka and having its principal office at "Sethsiripaya" Battaramulla, (hereinafter called and referred to as the "RDA" and which term or expression shall mean and include the said "Road Development Authority" or its successors and permitted assigns of the one part.)

National Water Supply & Drainage Board, a corporate body duly established under the provisions of the National Water Supply & Drainage Board Law No. 02 of 1974 of Sri Lanka and having its Head office at Galle Road, Rathmalana, Colombo. (Hereinafter called and referred to as "NWS&DB" and which term or expression shall mean and include the said "National Water Supply & Drainage Board" or its successors and permitted assigns of the other part.)

It has become necessary to make provision for reinstatement of excavated section of the under mentioned RDA road to the entire satisfaction of RDA due to the trenching works undertaken by the NWS&DB in respect of laying water supply pipes by the NWS&DB.

No	Name of the Road	Distance (m)
1	AB 18 – Palali Road	5,876
2	A 20 – Jaffna Point Petro Road	9,458
3	AB 14 – Manipai Keerimalai Road	3,219
4	AB21- Jaffna Ponnalai Road	1,189
5	B230 – Kokuvil Vaddukodai Road	1,920
6	B 170 – Kadduvan Mallakam Road	690
7	B 437 - Vallai Thellipalai Road	5,388
8	B192 – Kalahainadai Road	178

தமிழக அரசு
செயலாளர் அமைச்சரவை

பிரதமன் தலைநிலை, கிழக்கு தெற்குப் பாதையில், இராணுவத்தின், வடக்கு மாகாண
 அமைச்சரவைத் துறைகள், இராணுவத்தின் அமைச்சரவைத் துறைகள்

Ministry of National Policies, Economic Affairs, Resettlement & Rehabilitation, Northern Province Development and Youth Affairs

Office for Resettlement, Rehabilitation and Northern Province Development
 No. 354B, Galle Road - Colombo - 03

இந்திய அரசு, இந்திய அரசு, இந்திய அரசு
 எண் 354B, கல் ரோடு, கொழும்பு - 03

இந்திய அரசு, இந்திய அரசு, இந்திய அரசு
 எண் 354B, கல் ரோடு, கொழும்பு - 03

ORR&NP/D/NMAC/Field

2019.09.23

Eng. T. Barathidasan
 Project Director
 Jaffna, Kilinochchi Water Supply and Sanitation Project
 Board
 Project Director's Office
 No - 127, Kankasanthurai Road
 Jaffna

Submission of Mine Clearance Details

References:

1. Your letter number PD/JK WSSP/FMCILU/DN 02/197 and 12th August 2019.
2. Jaffna District Secretariat letter number JP/DPS/HALOITrust/NGO-01/07/2017 dated 22nd May 2019.
3. Kilinochchi District Secretariat letter number KN/DPS/D7/Dem/230 dated 12th August 2019.

When, implementing Jaffna, Kilinochchi Water Supply and Sanitation Project, it has found unexploded ordnances (UXOs) in several times and by the above letters requested mine clearance reports for pipe route areas.

Accordingly, reported me after inspecting the area by a team of Regional Mine Action Office, (RMAO) Kilinochchi. (Copy attached)

As per the International Mine Action Standards, mine clears up to 15cm from earth surface and several years ago mine clearance has been done 15 feet of either side of the roads in every areas of pipe route areas. But, it can be found unexploded ordnances (UXOs) (I.e. - Mortar Shell, Artillery Shell and etc.) and if found such items inform to the nearest police station.

Officers of RMAO kilinochchi informed Assistant director of Northern Province National Water Supply and Drainage Board about this matter and I wish to inform you to inform the nearest police station or Regional Mine Action Office (RMAO) Kilinochchi, if found UXOs when implementing the said project.

Then, will make necessary arrangement to destroyed the explosive items by team of SLA bomb disposal.

(S)

S. Jalathespan
 Deputy Director (NMAC)
 For Director (NNMAC)
 National Mine Action Centre

Copy

01. Government Agent – Kilinochchi
 02. Operational Officer, Regional Mine Action office, Kilinochchi

[illegible]

5. Construction Materials Transport – District Secretariat & Police

දිස්ත්‍රික් ලේකම් District Secretary දුරකථන Telephone 021-222 2234 ෆැක්ස් Fax 021-222 2234 E-mail: gajithan@sls.lk අංක 11/ADM/Board/NWS&DB/09/05/2019 No.	 දිස්ත්‍රික් ලේකම් කාර්යාලය, පාලනය. மாவட்ட செயலகம், பாப்பாணம். District Secretariat, Jaffna.	දුරකථන සංඛ්‍යා General Telephone 021-222 2234 021-222 2234
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Deputy Inspector General of Police,
DIG Office,
Jaffna.

RECEIVED Date: 12 AUG 2019 Signature: S.NO: 2409 Time: ACTION: CE - Balendran / Eng. Niroshan Sectionist	
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Transportation of construction materials (Gravel) from Puthur Junction Yard to Working Sites


This has reference to the letter PD/JKWSSP/PMCH/DN 02/ 190 dated on 30/07/2019 of National Water Supply and Drainage Board on the above subject, (copy of letter is annexed)

The pipe laying works are going on at Puttur, Kodikamam, Navatkuli, Meesalai and Chavakachcheri area by M/s SIERRA Construction Ltd and the contractor need to back filling the excavated pipe trench in some places especially in RDA roads. The constructor stored quantity of gravel at yards mentioned in annexed letter and need to transport based on daily basis or time to time where the works are going on. The details of vehicle involved in transportation and the contractor's working programme are attached for your reference

Hence, I shall be very much thankful, if you could facilitate for smooth movements of materials to working sites for the timely completion of project please.

Your corporation in this regards will be highly appreciated.

N.Vethanayahan,
Government Agent/District Secretary,
Jaffna District.

Copy: Project Director,JKWSSP - NWSDB - f.i.pl

 N. VETHANAYATHAN
 GOVERNMENT AGENT
 DISTRICT SECRETARY
 JAFFNA DISTRICT

6. Consent letter – individual person

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 Miracle's East Road,
Kurunagar, Jaffna.
23/7/2019

Translation.

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

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

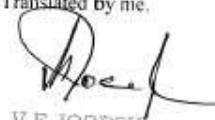
Declaring consent for laying Drinking Water Pipe.

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.



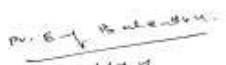
Thank You.

Sgd. S.Chandrakumar.

Translated by me.


V.F. JOSEPH
Sworn Translator
English - Tamil
No.27, Our Lady of Miracle's East Road,
Kurunagar, Jaffna.
23/07/2019

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

தமிழ் செய்தி உள்ள இடம் Your Ref. தமிழ் செய்தி உள்ள இடம் Our Ref. தேதி Date	15.07.2014	මධ්‍යම පරිසර අධිකාරිය மத்திய சுற்றுலா அதிபரகம் Central Environmental Authority "பரிசுப் பிளா", 104, கடல்சேன் கோட்டியாறு மாநகரம், மதுரை. "Parisara Piyasa", 104, Denzil Kobbekaden Mawatha, Madurai, Tamil Nadu. Web : www.cea.lk Northern Provincial Office, Jaffna T.P : 0212224050	
Project Director, JKWSSP, Jaffna.		PD's Office, JKWSSP RECEIVED 15 JUL 2014 15:41 JKWS & SP, Jaffna	
Construction Of Water Towers at Puttur, Meesalai, Poonakari, Navatkudy, Kaddudai, Velanai and Mandaitivu (Package1) and Supplying and Laying of pipes of Water Distribution network in Kayts Velanai and Mandaitivu.			
Reference to your letter No: PD/JKWSSP/PMCU/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.			
 1/4/2			
Chairman Tel : 2872361, 2872348 Fax : 2872347	Director General Tel : 2872339 Fax : 2872338	Gen. Office Tel : 2872278, 2872467, 2872277-289, 2872448 Fax : 2888999	Media Unit : 2872446
Deputy Director General Tel : 2865795 Fax : 2872331	Env. Pollution Control Division Tel : 2872429 Fax : 2872381	Env. Mgt & Audit Division Tel : 2872388 Fax : 2872386	Env. Edu. & Awareness Division Tel : 2872265 Fax : 2872309
Director Tel : 2872367 (Admin) 2872331 (HRM), 2872290 (Finance) 2872303 (Admin) 2863484 (Finance)	2872452 (EPC), 2872300 (Lab) 2862315 (RM)	2872346 (IRM), 2872463 (EIA) 2863363 (E&D)	2867296 (EIA) 2867269 (Western Province) Tel : 2862433 Fax : 2862293

2014 ஜூலை 15
 சுற்றுலா அதிபரகம் | மதுரை மாநகரம் | மதுரை மதுரை
 Ministry of Environment and Renewable Energy

