

Environmental Monitoring Report

Project Number: 43253-027
Semestral Report (February–July 2019)
July 2019

INDIA: Karnataka Integrated Urban Water
Management Investment Program (Tranche 2)

Appendices (PART B)

Prepared by Karnataka Urban Infrastructure Development and Finance Corporation, Government of Karnataka for the Asian Development Bank.

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Taking care to Avoid Trip , slip,fall accidents and protect scarp and keeping all in good n



Barricading surrounding of our site for a workers safety .



Stacking a soil in proper place to avoid dust pollution . in Kundapura TMC yard



Stacking interlocks debris in proper way and cleaning interlocks where we are working , To avoid physical accidents



KUNDAPURA 24X7 WATER SUPPLY SCHEME
**PHOTOGRAPH SHOWING THE COMPENSATION PAID TO THE THREE BENEFICIARIES HOLDERS
OF COCONUT TREES AT KUNDAPURA**



KUNDAPURA 24X7 WATER SUPPLY SCHEME
**PHOTOGRAPH SHOWING THE COMPENSATION PAID TO THE THREE BENEFICIARIES HOLDERS OF
COCONUT TREES AT KUNDAPURA**



CHIEF OFFICER GOPAL KRISHNA SHETTY
SIR speech in public consulting meeting



Ward member and prominent persons of
public consulting meeting



AEE RAMAKRISHNA sir Speech in Public
Consulting meeting at Kodi



Stacking a DI and HDPE in proper condition

	
<p>At KODI store yard Stacking of materials in proper condition</p>	<p>At KODI store yard Stacking of materials in proper condition</p>
	
<p>Storing waste of disposals and waste materials like,plastic,paper,cement waste bags in separate area</p>	<p>Storage of scarp materials in separate place to protect loss of property</p>



**TREE FELLING COMPENSATION COMPENSATORY TREE PLANTATION IN
KODI KUNDAPURA**



Karnataka Urban Infrastructure Development & Finance
Corpn.Ltd.,
Karnataka Integrated Urban Water Management and
Investment Programme - "Jalasiri"-Tranche-2
Office of the Executive Engineer Programme Implementation
Unit, Mangaluru
Email Id : jalasiritranche2cemng@gmail.com

No.KIUWMIP/PIU-MNG/CR-02/2017-18/003/006

Date: 19-03-2018

The Managing Director
M/s DRS Infratech Pvt. Ltd.,
Flat No. S1, Priya Apartments,
Rajbhawan Road, Somajiguda
Hyderabad - 500082.

Sir,

Sub:"Replacement of old sewerage pumping mains and Rehabilitation of
sewerage system for Mangaluru city:Package No:02MNG02-Excavated
soil disposal location-reg.

Ref : (1) M/s DRS Infratech Pvt. Ltd., Hyderabad. Letter No:

DRSITPL/KUIDFC /MNG/2017-18/003, Dated:17-01-2018

(2) Commissioner, MCC Letter No: ಮ.ನ.ಪಾ/ಆರೋ.ವಿ/ಸಿ.ಆರ್-101/2017-18/ಜಿ12

ದಿನಾಂಕ:03.03.2018


In letter cited in ref(1) you had requested location for disposal of
excess soil during execution of pumping main work.

In this connection as per the direction of Commissioner, MCC vide
letter in ref(2) you are hereby instructed to dispose excess soil at Pachanady solid
waste management treatment plant. Also the waste materials like compound debris,
culverts , etc may be disposed to Kunjathbail reserved/Identified location.

This is for your kind information and necessary action.

Thanking you.

Yours faithfully

 19/03/18
Executive Engineer

KIUWMIP-PIU

Mangaluru

CC: Project Manager, M/s DRS Infratech Pvt Ltd. ಕು. ಇಂಫ್ರಾ ಡೆ. ಪ್ರಾ.

BY RPAID.



ಮಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

ಲಾಲ್‌ಬಾಗ್, ಎಂ.ಜಿ ರಸ್ತೆ, ಮಂಗಳೂರು - 575 003, ಕರ್ನಾಟಕ, ಭಾರತ.

ಮೋ: 0824 2220313 - 18, ಪ್ಯಾಕ್ಸ್: 0824 2220310

ವೆಬ್‌ಸೈಟ್: www.mangalorecity.gov.in

ಮ.ನ.ಪಾ/ಆರೋ.ವಿ/ಸಿ.ಆರ್-101/2017-18/ಜಿ :

ದಿನಾಂಕ: 03-03-2018

ಇವರಿಗೆ,

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

ಕೆಯುಎಡಿಎಫ್‌ಸಿ-ಕೆಎಯುಡಬ್ಲ್ಯುಎಂಎಪಿ-ಪಿಎಯು.

ಮಲ್ಲಿಕಟ್ಟೆ, ಮಂಗಳೂರು.



ಮಾನ್ಯರೇ,

ವಿಷಯ:-ADB ನೆರವಿನ ಒಳಚರಂಡಿ ಕಾಮಗಾರಿಯಲ್ಲಿ ಬರುವ ಹೆಚ್ಚುವರಿ ಮಣ್ಣನ್ನು
ವಿಲೇವಾರಿ ಮಾಡಲು ಗುತ್ತಿಗೆದಾರರು ಜಾಗ ಕೋರಿಕೊಂಡಿರುವ ಕುರಿತು.

ಉಲ್ಲೇಖ:-ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಕೆ.ಯು.ಎ.ಡಿ.ಎಫ್‌ಸಿ, ಲಿಮಿಟೆಡ್,

ಮಂಗಳೂರು, ರವರು ಮಾನ್ಯ ಆಯುಕ್ತರು, ಮ.ನ.ಪಾ. ರವರಿಗೆ ಬರೆದಿರುವ
ಪತ್ರ ಸಂಖ್ಯೆ ಕೆ.ಎ.ಯುಡಬ್ಲ್ಯುಎಂಎಪಿ/PIU-MNG/ಸಿ.ಆರ್-02/2017-18/
166, ದಿನಾಂಕ: 05-02-2018.

ಮೇಲ್ಕಾಣಿಸಿರುವ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಹಾಗೂ ಉಲ್ಲೇಖ ಪತ್ರದಲ್ಲಿ ತಿಳಿಸಿರುವಂತೆ,
ಎ.ಡಿ.ಬಿ. ನೆರವಿನ ಕೈಮಿಪ್-ಜಲಸಿರಿ ಟ್ಯಾಂಕ್-2 ಯೋಜನೆಯಲ್ಲಿ ಗುತ್ತಿಗೆದಾರರು ಸದರಿ ಕಾಮಗಾರಿಯಲ್ಲಿ
ಬರುವ ಹೆಚ್ಚುವರಿ ಮಣ್ಣನ್ನು ವಿಲೇವಾರಿ ಮಾಡಲು ಸ್ಥಳೀಯ ಸರ್ಕಾರವನ್ನು ಗುರುತಿಸಿ ಕೊಡಲು ಕೋರಿರುತ್ತಾರೆ.

ಆದರಂತೆ, ಈ ಕಿಂಡೆ ಸೂಚಿಸಿರುವಂತೆ ಹೆಚ್ಚುವರಿ ಮಣ್ಣನ್ನು ಪಚ್ಚನಾಡಿ ಪ್ರದೇಶದಲ್ಲಿ ತ್ಯಾಜ್ಯ ಮೇಲೆ
ಹೊದಿಕೆ ಹಾಕಲು ಉಪಯೋಗಿಸಬಹುದಾಗಿದ್ದು, ಸದರಿ ಹೆಚ್ಚುವರಿ ಮಣ್ಣನ್ನು (Excess Soil) ಪಚ್ಚನಾಡಿ
ಘನತ್ಯಾಜ್ಯ ಪ್ರದೇಶಕ್ಕೆ ಸಾಗಾಣಿಕೆ ಮಾಡಬಹುದಾಗಿದೆ. ಕಟ್ಟಡ ಭಗ್ನವಶೇಷವನ್ನು ಕುಂಜತ್ತಬೈಲ್ ಪ್ರದೇಶದಲ್ಲಿ
ಗುರುತಿಸಲಾಗಿರುವ ಪ್ರದೇಶದಲ್ಲಿ ವಿಲೇವಾರಿ ಮಾಡಲು ಅನುಮತಿ ನೀಡಲಾಗಿದೆ.

351

ಅಯುಕ್ತರು


ಮಂಗಳೂರು ಮಹಾನಗರಪಾಲಿಕೆ

ABE(400) / MB DRS Infrastru


for info & n/a

08/03

08/03

	Suez Projects Private Limited	Doc: SPPL/HSE/ SMP-01 Rev. – 0 July - 2019 Page 1 of 5
	Waste Management Plan	

<h2 style="margin: 0;">Suez Project Private Limited</h2>					
<h2 style="margin: 0;">Waste Management Plan</h2>					
<p>Project: Construction of Distribution System for 24x7 Water Supply including Services for Operation and Management for Udupi City, Contract Package No 02UDP01</p>					
		Pradeep Shetty	Vishal Pattanshetti	Ramesh Patil	For Approval
Rev.	Date	Prepared By	Checked By	Validated By	Submission Purpose
00					

	Suez Projects Private Limited	Doc: SPPL/HSE/ SMP-01 Rev. – 0 July - 2019 Page 2 of 5
	Waste Management Plan	

1.0 Introduction

This Guideline has been developed for two primary reasons, to provide consistent guidance on waste management in relation to construction activities and to encourage increased diversion of spoil from landfill. This Guideline should be used as a resource by property owners, builders and developers to assist in assessing likely waste generation from construction projects and identifying ways to divert any waste generated from landfill.

2.0 PURPOSE


This waste Management Plan (WMP) has been prepared to manage spoil during construction of the SVC Works. Set spoil management protocols. Outline responsibilities of site personnel involved in waste management. Provide a process for identifying and managing environmental and other risks associated with waste handling

3.0 Legal and other Requirements

Construction and Demolition waste management rule 2016 ADB
Guidelines (Initial Environmental Examination)

4.0 Roles and Responsibilities


Position	Responsibilities
Project Manager	Overall responsibilities for implementation of waste Management plan
	Overall responsibility for compliance with statutory requirements
Construction Manager	Day to day implementation of waste Management plan
	Day to day co-ordination of the project

	Suez Projects Private Limited	Doc: SPPL/HSE/ SMP-01 Rev. – 0 July - 2019 Page 3 of 5
	Waste Management Plan	

Site Engineer	Ensures all equipment is adequately available, maintained and correctly operated
	To carry out action of waste management plan
	Report all environmental incidents
HSE Manager	Provide advice on waste management related issues
	Report any non-compliances in implementing waste management plan
All persons involved in project	Comply with requirements of waste Management plan
	Exercise duty of care to the environment at all times

5.0 Identification and assessment of waste aspects and impacts

Environmental Aspects	Environmental Impacts
<ul style="list-style-type: none"> Excavation for pipeline laying Demolition of overhead water tank waste storage waste transportation 	<ul style="list-style-type: none"> Water & air pollution from the dust generated due to excavation, demolition Flora and fauna damage due to sediment run off from waste excavation Water, soil and air pollution from Inappropriate storage, handling and disposal of waste. Mud-tracking during haulage operations. <ul style="list-style-type: none"> Noise & vibration impacts from demolition activity.

	Suez Projects Private Limited	Doc: SPPL/HSE/ SMP-01 Rev. – 0 July - 2019 Page 4 of 5
	Waste Management Plan	

6.0 waste volume, characteristics and minimization

waste volume calculations: Estimate the volume waste volume calculations: Estimate the volumes of waste produced from each of the construction sites. Characterization of waste: Based on the type of waste; characterization is done (sand stone, mud mix materials, reusable materials)

7.0 waste reuses, Opportunities, Identification and Assessment

An overview of the assessment methodology to be used is mentioned below. - Consideration of likely spoil characteristics - Identification of possible reuse sites - Screening of possible reuse opportunities


8.0 Onsite waste Management Approach

Spoil from the excavations done for pipe laying will be stored on the site in such a way that it will not cause any hinderance to the traffic movement. It will be properly barricaded and necessary caution signage will be displayed. If the spoil is in large quantities which may cause disturbance to traffic movement then it will be transported to dumping site designated by KUIDFC. For excess spoil disposal, site shall be selected preferably from barren, infertile lands. In case agricultural land needs to be selected, written consent from landowners (not lessees) will be obtained.

Debris disposal site shall be at least 200 m away from surface water bodies. No residential areas shall be located within 50 m downwind side of the site; and site is minimum 250 m away from sensitive locations like settlements, ponds/lakes/ river.

9.0 waste Transportation Methodology

- Waste will be transported by registered road trucks.
- Waste transportation routes will be identified with the help of local authorities of KIUDFC.
- The waste carrying trucks will be covered with dust nets (green nets) during waste transportation.
- The drivers will be given training in order to make them aware of requirements of waste management plan.

	Suez Projects Private Limited	Doc: SPPL/HSE/ SMP-01 Rev. – 0 July - 2019 Page 5 of 5
	Waste Management Plan	

10.0 Monitoring, Reporting, Review and Improvements

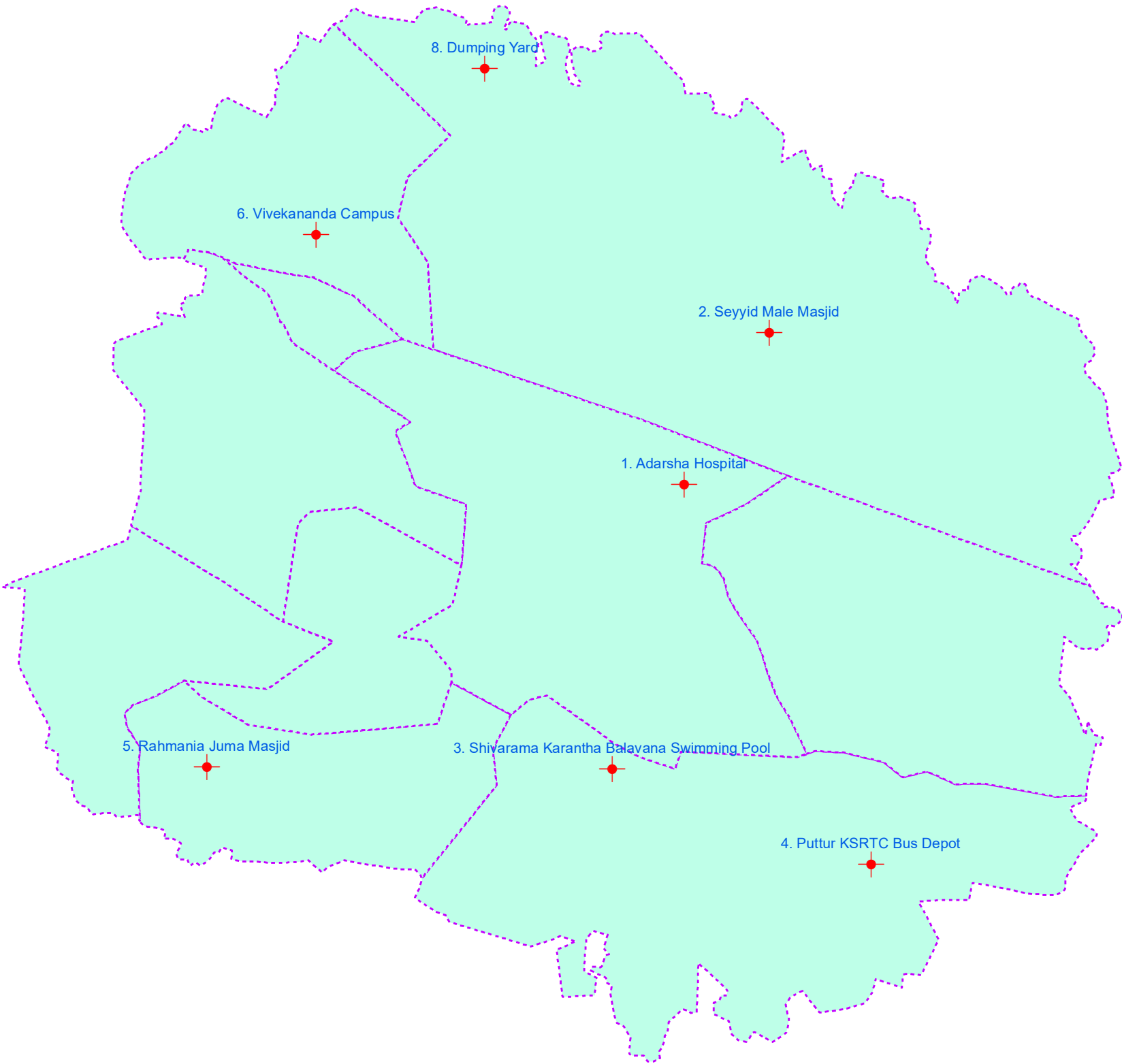
Volumes of waste generated will be recorded using a register. Monthly quantities of waste re-used, and waste disposed shall be recorded. The report will separate the reused waste into the quantities of material reused on-site and the quantities of material reused offsite.

Continuous improvement of this waste Management Plan will be achieved by the ongoing evaluation of environmental management performance against environmental policies, objectives and targets for the purpose of identifying opportunities for improvement.





Environmental (Air/Noise/Water/Quality Test)

9. Storage Yard/Labor Camp, Nekkiladi
7. WTP Puttur



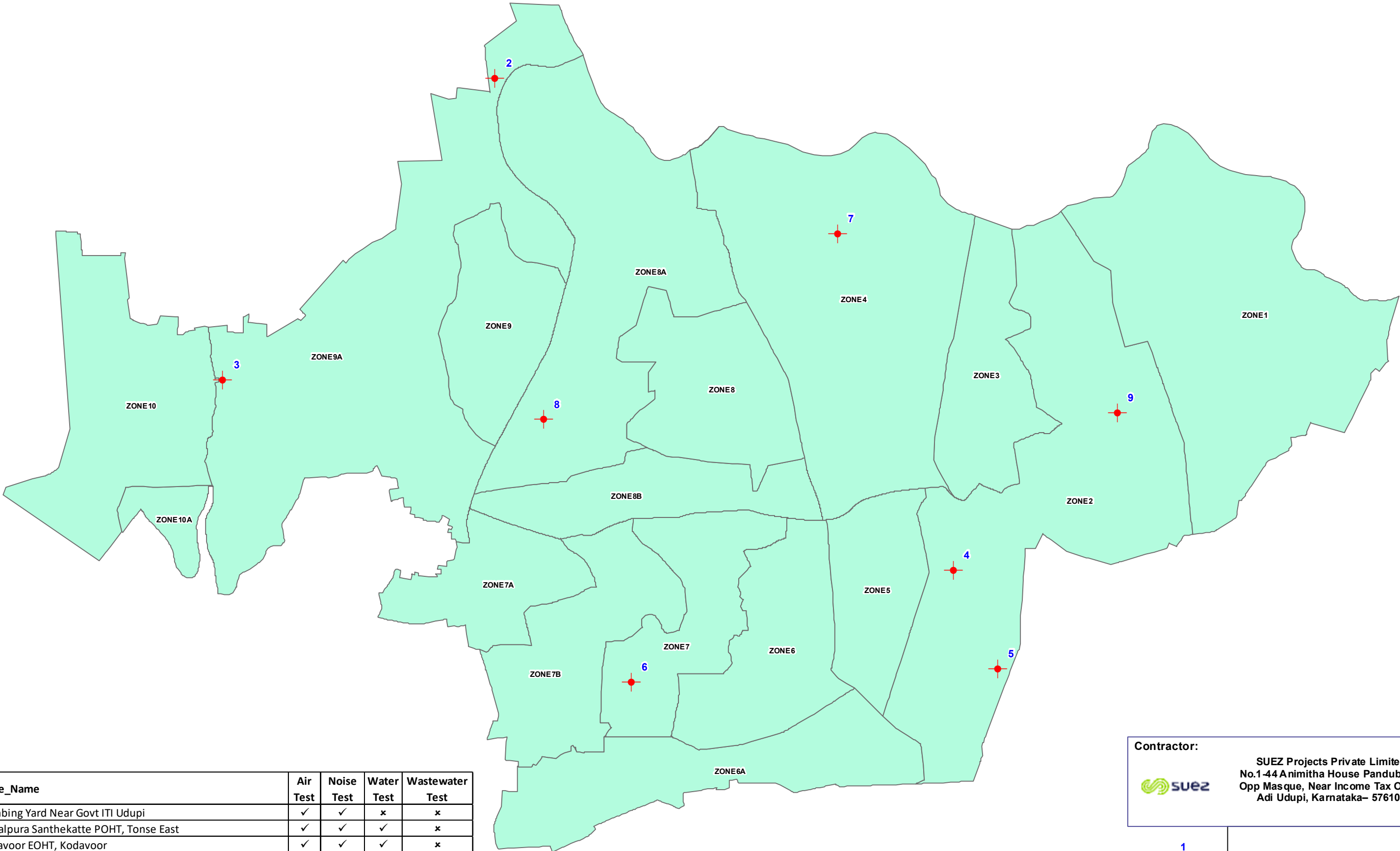
Legend

-  Environmental Test
-  Zone Boundary

Serial No	Name	Air Test	Noise Test	Water Test	Storage LaborCamp	Dumping Yard
1	Adarsha Hospital	✓	✓	✓	X	X
2	Seyyid Male Masjid	✓	✓	X	X	X
3	Shivarama Karantha Balavana Swimming Pool	✓	✓	X	X	X
4	Puttur KSRTC Bus Depot	✓	✓	X	X	X
5	Rahmania Juma Masjid	✓	✓	✓	X	X
6	Vivekananda Campus	✓	✓	X	X	X
7	WTP Puttur	✓	✓	✓	X	X
8	Dumping Yard	X	X	X	✓	X
9	Storage Yard/Labor Camp, Nekkiladi	X	X	X	X	✓




Environmental (Air/Noise/Water/Quality Test)




Sl,No	Place_Name	Air Test	Noise Test	Water Test	Wastewater Test
1	Dumping Yard Near Govt ITI Udupi	✓	✓	✗	✗
2	Gopalpura Santhekatte POHT, Tonse East	✓	✓	✓	✗
3	Kodavoor EOHT, Kodavoor	✓	✓	✓	✗
4	Labor Camp and Storage Area Near Mannapalla Lake Manipal	✓	✓	✗	✗
5	Manipal Digital Systems Pvt. Ltd. Industrial Area	✓	✓	✗	✗
6	POHT Near Ammanni Ramanna Shetty Hall Kolambe	✓	✓	✓	✗
7	Sri Mahalingeshwara Mahaganapthi Temple Perampalli	✓	✓	✗	✗
8	Vishnumurthy Temple Nittur	✓	✓	✗	✗
9	Water Tretment Plant Udupi	✓	✓	✗	✓

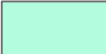
Contractor:

 **SUEZ** Projects Private Limited.
No.1-44 Animitha House Pandubettu,
Opp Masque, Near Income Tax Office,
Adi Udupi, Karnataka– 576103



Legend

 Environmental Test

 Zone Boundary

Dismantling register Mangalore UGD

DISMANTLING REGISTER


Name of Work: Replacement of Old Sewerage Pumping Main and Rehabilitation of Sewerage System For Mangalore City

Employer: COMMISSIONER
MANGALORE CITY CORPORATION

ENGINEER EXECUTIVE ENGINEER
PIU-KUIDFC,KILWMP
Mangalore.

CONSULTANTS: M/s EGIS INDIA PVT LTD
MANGALORE

Name of Agency: M/s DRS INFRA TECH Pvt Ltd,Hyderabad



of the project: Replacement of old Sewage
for Mangalore City
Wastewater

purpose: asset self sustainability of Sewage System

Location of work	Span m/s x s	width m	0	Qty	Remarks	Condition
Removal of Compound wall of Municipal House (K. Easting)	2	4.5	0.5	1.9	5.95	OK
Removal of wall of <u>Municipal House</u> (K. Easting)	1	2.5	0.5	0.5	1.95	OK
Removal of <u>small building</u> (stone masonry)	1	2.5	0.5	0.5	1.95	OK
Removal of <u>small building</u> (stone masonry)	2	1.9	0.5	0.7	1.19	OK
Removal of <u>small building</u> (stone masonry)	2	2.3	0.5	1.0	2.3	OK
Removal of <u>Compound wall</u> of <u>small building</u> (stone masonry)	1	15.5	0.5	0.65	5.7	OK
Removal of <u>Compound wall</u> of <u>small building</u> (stone masonry)	1	10	0.5	0.45	4.5	OK
Removal of <u>Compound wall</u> of <u>small building</u>	1	15.5	0.5	0.6	5.9	OK
Removal of <u>Compound wall</u> of <u>small building</u>	1	10	0.5	0.45	4.5	OK

ADB -Training Programme

Attendance Sheet and Photographs of ADB Training Meeting Held at Ocean Pearl Hotel, Mangalore on April 2019. KUIDFC, RPMU, PIU, all four location contractors staff, EGIS consultant staffs and GKW Consultant staff were Attended the Training Programme about Environmental and Social Safeguards and other Related safety issues on sites.

Orientation on ADB Safeguards Implementation and Monitoring Karnataka Integrated Urban Water Management Investment Program				
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Orientation on ADB Safeguards Implementation and Monitoring
Karnataka Integrated Urban Water Management Investment Program

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Orientation on ADB Safeguards Implementation and Monitoring
Karnataka Integrated Urban Water Management Investment Program

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4						
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Orientation on ADB Safeguards Implementation and Monitoring
Karnataka Integrated Urban Water Management Investment Program

PARTICIPANTS LIST - PUTTUR

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3	Shanville Kumar H.R.	Asst. Engineer - Sewerage	shanvillekumar@kuidfc.com	M		9904946043	Shanville
4	Shanville Kumar H.R.	Asst. Engineer - Sewerage	shanvillekumar@kuidfc.com	M		9904946043	Shanville
5							
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Orientation on ADB Safeguards Implementation and Monitoring
Karnataka Integrated Urban Water Management Investment Program

PARTICIPANTS LIST - UDUPPI

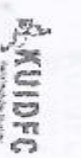
	Name	Position	Email Address	Gender		Mobile No.	Signature
				(M/F)			
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4	Ningappa	Asst. Engineer	ningappa@kuidfc.com	M		9008554446	Ningappa
5	Pranav K.	Asst. Engineer	pranav@kuidfc.com	M		9008700017	Pranav
6	Ramesh	Asst. Engineer	ramesh@kuidfc.com	M		8143913826	Ramesh
7							
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Orientation on ADB Safeguards Implementation and Monitoring
Karnataka Integrated Urban Water Management Investment Program

PARTICIPANTS LIST - ADB AND CONSULTANTS

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5. Kail Goshal	Social Safeguards Consultant	kailashgoshal@gmail.com	M		
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7. Benjamin	SDO	benjamin@kuidfc.com	M	9899876543	
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9.					
10.					



Orientation on ADB Safeguards Implementation and Monitoring
Karnataka Integrated Urban Water Management Investment Program



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10.						
11.						

Photographs

Attendance sheet and Photographs of ADB training meeting held at Goldfinch Hotel, Mangalore on 13th and 14th June 2019. KUIDFC, RPMU, PIU, all four location contractors staff, EGIS consultant staffs and GKW Consultant staff were attended the training programme about Environmental safeguards and other safety issues on sites.



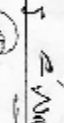

Attendance

13-06-2019

Orientation on Environmental Safeguards
Occupational Health and Safety
Karnataka Integrated Urban Water Management Investment Program

PARTICIPANTS LIST - KUNDAPURA

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3.	C.N. Vardhaman ✓	M	Asst. M. Engineer K. Raghav	9859144442		
4.	Rajesh ✓	M	Asst. M. Engineer K. Raghav	9859144442		
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KUIDFC

13-06-2019

Orientation on Occupational Health and Safety
Karnataka Integrated Urban Water Management Investment Program

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✓ Shanthi Kumar ✓	M	HEE-PUTTUR	shanthikumar33@gmail.com	89046048	



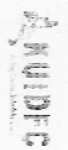
KUIDFC

13-06-2019

Orientation on Occupational Health and Safety
Karnataka Integrated Urban Water Management Investment Program

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✓ Krunal ✓	M	EE-PUTTUR	krunal.chandru@gmail.com	911820730	



13-06-2019

Orientation on Occupational Health and Safety
Karnataka Integrated Urban Water Management Investment Program

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19	Sarav	M	Designer	Trivandrum CI	9686865144	10/10
20	Usha Kate	M	MCC	srinivas@gmail.com	8660116861	10/10
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25	Gopi Kumar	M	Engineer	TK Kumar@gmail.com	7338430417	10/10
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27	Ravesh	M	Attending	Attending	8128913886	10/10



KUIDFC

14-06-2019

Orientation
Occupational Health and Safety
Karnataka Integrated Urban Water Management Investment Program

PARTICIPANTS LIST - MANGALURU

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1. K. B. NAGARAJ	M	Water & Sewerage Commissioner	Water & Sewerage Commissioner Water & Sewerage Water & Sewerage	9845985504	[Signature]
2. Ramesh Babu R	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9104552575	[Signature]
3. R. Ramesh					
4. Shreekumar H. S.	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
5. M. Ramesh Babu	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
6. Ramesh Babu K.	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
7. Ramesh Babu	T	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
8. Ramesh Babu	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
9. M. Ramesh Babu	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
10. M. Ramesh Babu	F	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
11. H. S. Ramesh	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
12. S. Ramesh	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]

13. C. Ramesh Babu	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
14. Ramesh Babu	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
15. Ramesh Babu	F	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
16. Ramesh Babu	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
17. Ramesh Babu	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
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21. Ramesh Babu	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
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25. Ramesh Babu	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
26. Ramesh Babu	F	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]
27. Ramesh Babu	M	Senior Engineer	Senior Engineer Water & Sewerage Water & Sewerage	9845985504	[Signature]

29	Nehesh	M	Driver	81582549	<i>[Signature]</i>
30	Nandhi	M	Driver	891067992	<i>[Signature]</i>
31	Naveen	M	Driver	8310911884	<i>[Signature]</i>
32	Nirgajya	M	Driver	9008559446	<i>[Signature]</i>
33	Thaparp. Nandhi	M	Driver	944618481	<i>[Signature]</i>
34	Ramesh	M	Attended	8123413825	<i>[Signature]</i>
35	Ramesh	M	Attended	888444601	<i>[Signature]</i>
36	Pradeep Shetty	M	Driver	9901020002	<i>[Signature]</i>
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90	Pradeep Shetty	M	Driver	9901020002	<i>[Signature]</i>
91	Pradeep Shetty	M	Driver	9901020002	<i>[Signature]</i>
92	Pradeep Shetty	M	Driver	9901020002	<i>[Signature]</i>
93	Pradeep Shetty	M	Driver	9901020002	<i>[Signature]</i>
94	Pradeep Shetty	M	Driver	9901020002	<i>[Signature]</i>
95	Pradeep Shetty	M	Driver	9901020002	<i>[Signature]</i>
96	Pradeep Shetty	M	Driver	9901020002	<i>[Signature]</i>
97	Pradeep Shetty	M	Driver	9901020002	<i>[Signature]</i>
98	Pradeep Shetty	M	Driver	9901020002	<i>[Signature]</i>
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Operation on the basis of the
Occupational Health and Safety
Karnataka Integrated Urban Water Management Investment Program

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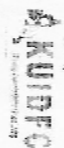


Orientation on Communication Technology
Occupational Health and Safety
Karnataka Integrated Urban Water Management Investment Program

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4. C.N. Vardhaman	M	Asst. Project Coordinator	---	9888558515	(Signature)
5. B. Kishan	M	EE	---	---	(Signature)
6. B. Kishan	M	EE	---	---	(Signature)
7. ---	---	---	---	---	---
8. ---	---	---	---	---	---
9. ---	---	---	---	---	---
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Orientation on Communication Technology
Occupational Health and Safety
Karnataka Integrated Urban Water Management Investment Program

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7. Anuradha	M	Asst. Manager	---	991605002	(Signature)
8. Anuradha	M	Asst. Manager	---	991605002	(Signature)
9. Anuradha	M	Asst. Manager	---	991605002	(Signature)
10. ---	---	---	---	---	---
11. ---	---	---	---	---	---
12. ---	---	---	---	---	---

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Orientation on Food Safety and
Occupational Health and Safety

Karnataka Integrated Urban Water Management Investment Program

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2.	Myrael Dissanayake	M	Software Engineer (MIS)	myrael.dissanayake@kuidfc.org		
3.	Ms. Wilma	F	Labour officer, Govt			
4.						
5.						
6.						

Photographs













Office Reminder

Sub:Regarding Ongoing project of ADB assisted KIUWMIP, contractors were not implemented Environmental and Social safeguards Program -reg

ADB assisted KIUWMIP project work, Regarding Environmental and Social safeguards Program we have informed several times to contractors and Safety officers but Program was not implemented on site by contractors, which is found very affective if safety measures were not properly adopted.

From ADB Environmental and Social safeguards Rules and regulation norms were following very delicately. So based on this the contractors, KUIDFC engineers and Consultant Engineers negligence were observed and action has been taken by deducting on salary pay/remuneration pay.

Based on above reason Environmental and social safeguard related awareness program is again organized on date 25/05/2019 Saturday at 10.30 AM to 12.30 PM in the office meeting hall.

This is directed to Project implementation unit (PIU), Executive Engineer, Assistant Executive Engineer assistant engineer, consultant engineers and contractor side Project Manager should Compulsory attend the training program with your team.

For this training program, everyone must present and attend in time.

B S Balakrishna

Deputy Project Director

KIUWMIP/RPMU

Mangalore

Executive Engineer KIUWMIP-PIU, Mangalore, Udupi, Kundapura and Puttur
Asst. Executive Engineer RPMU, Mangalore.

Team Leader GKW and Egis Consultants

Project Manager, M/s KBR Infratech, Ltd Mangalore

Project Manager M/s DRS Infratech, Ltd Mangalore

Project Manager M/s Laxmi Civil Engineerig Mangalore

Project Manager M/s SUEZ Projects ,Ltd Udupi and Puttur

Project Manager M/s Simplex Infrastructure Pvt, Ltd Mangalore

Project Manager M/s SMC Infrastructure Pvt, Ltd Mangalore KBR Infratech, Ltd Mangalore

Attendance sheet

1	Mr. Shafiq Ahmed	9448549786	Mangalore PUJ	Assistant Executive Engineer Mangalore PUJ	JMA
2	Mr. A. Sora	9591528643	Kundapura PUJ	Executive Engineer Kundapura PUJ	Eng.
3	Mr. Ramakrishna		Kundapura & Udupi PUJ	Assistant Executive Engineer Kundapura & Udupi PUJ	Ram
4	Mr. Shivakumar Hampalli		Udupi PUJ	Executive Engineer Udupi PUJ	
5	Mr. Madhesh C M	5147434681	Puttur PUJ	Assistant Executive Engineer Puttur PUJ	Madhesh
6	Mr. Gopi Kumar		IGS	Team Leader IGS	Gopi
7	Mr. Venkatramana	9447578385	IGS	Social Expert IGS	V. Venkatramana
8	Mrs. Sulthana Methbooba	97411914977	IGS	Environmental Expert IGS	Sulthana
9	Mr. Visal P.	776152181	Suez India Pvt Ltd		Visal
10	Pradeep Shetty	9652627322	Suez India Pvt Ltd		Pradeep
11	Navin Kumar	9738891369	Resident Engineer, GEN Consultant		Navin
12	Satish S.	9448370652	Resident Engineer GEN Consultant		Satish
13	Vijaychand M Solapur	9448581143	Asst Engineer, XNUMP Puttur		Vijay
14	B. V. Venkateshwar	8546843781	Asst Executive Engineer Puttur		B. V.
15	Shivakumar Nair	7019199457	Asst Executive Engineer Puttur		Shivakumar
16	Balabrishna	9743942627	A. E. PUJ Mangalore		Balabrishna
17	Blasko. A. Kamble	7204289776	A. E. Hauz Khas		Blasko
18	Goudariker V. N.	8050041746	Safety Officer		Goudariker
19	Rajyashree S.	9241412058	Junior Engineer		Rajyashree

Meeting with PIU and Contractor on EMP safe gourd implementation and document verification in Mangalore -UGD	Meeting with PIU and Contractor on EMP safe gourd implementation and document verification in Kundapura -Bulk Water supply
	
Meeting with PIU and Contractor on EMP safe gourd implementation and document verification in Putture -Bulk Water supply	Meeting with PIU and Contractor on EMP safe gourd implementation and document verification in Udupi -Bulk Water supply

Appendix 32b

Training Program of Environmental Health and Safety given by Mr. Govind Environmental Specialist ADB and Mr. Shashishekar KUIDFC Environmental Specialist in presences of KUIDFC Members, Lakshmi contractors, DRS Contractors, Suez Contractors, GKW Consultants and EGIS Consultants on date 6/2/2019.

Suggestion given by Environmental Specialist

1. Comply with applicable environmental, health and safety laws and regulations, University policy and accepted safe work practices.
2. Observe environmental, health and safety related signs, posters, warning signals and written directions.
3. Be familiar with the emergency plan, the emergency assembly area and emergency coordinators for their building, and participate in emergency drills.
4. Learn about potential hazards associated with their work and work area; know where information on these hazards is kept for their review; and use this information when needed.
5. Follow safe operating procedures and Material Safety Data Sheet (MSDS) guidance applicable to work performed, if the work involves hazardous materials.
6. Follow procedures and observe precautions for the use of special materials (such as carcinogens or biohazards), as detailed in the use authorization or other operating procedures.
7. Use personal protective equipment and engineering controls appropriate to their work.
8. Curtail or stop their work if they reasonably believe continuation of the work poses an imminent danger to health or safety, and immediately notify a supervisor in the chain of authority over the work.
9. Report all unsafe conditions to their supervisor or safety committee as soon as is reasonably possible.
10. Warn co-workers about defective equipment and other hazards.
11. Participate in health and safety training applicable to their work situation.
12. Participate in required inspection and monitoring programs.

Attendance sheets of all member's present in Training Program of Environmental Health and Safety given by Mr. Govind Environmental Specialist and Mr. Shashishekar KUIDFC Environmental Specialist on date 6/2/2019.

ADB assisted KUIDFC Yenchu & Mangalore Project,
Training Program on Environmental Safeguards
Date: 06-02-2019 Venue: KUIDFC Office, Mangalore Time: 10.00 AM to 12.00 PM

Attendance

No	Name	Designation	Mobile number	Signature
1	Govind Singh Bhatnagar	Environment Specialist KUIDFC	9120769534	<i>Govind</i>
2	Shashishekar K P	Environment Specialist KUIDFC, Bangalore	907884960	<i>Shashi</i>
POU Mangalore				
3	K. Raju	Executive Engineer	753124043	<i>Raju</i>
4	K B Shashidhar Akhanna	Asst. Executive Engineer	9648887746	<i>Shashi</i>
5	K V Venkateshwararao	Asst. Executive Engineer	8544847721	<i>Asst. Executive Engineer</i>
6	Manohar Rao	Asst. Engineer	9440947475	<i>Manohar</i>
7	Shashishekar Kulk	Asst. Engineer		
8	Deepthi H K	Asst. Engineer		
9	Hassan Ali Hassan	Asst. Engineer	8204287776	<i>Hassan</i>
10	Shashishekar Kulk	Asst. Executive Engineer	8446625997	<i>Shashi</i>
POU Pattini				
11	Madhuk V M	Asst. Executive Engineer	9440947475	<i>Madhuk</i>
12	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
POU Ganga				
13	A S Ramakrishnaiah	Asst. Executive Engineer		

14	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
15	S Rajeshwar	Asst. Engineer	9440947475	<i>S Rajeshwar</i>
POU Mangalore				
16	A S Ramakrishnaiah	Asst. Executive Engineer		
17	Vishal Kulk	Asst. Engineer	9440947475	<i>Vishal</i>
M/s. GKW Consult, Gndh, Mangalore				
18	Prashant Kumar	Team Leader	9440947475	<i>Prashant</i>
19	Jayaprakash S	Design Engineer	9440947475	<i>Jayaprakash</i>
20	Harish Kumar	Design Engineer	9440947475	<i>Harish</i>
21	Shashishekar Kulk	Asst. Executive Engineer	9440947475	<i>Shashi</i>
22	Shashishekar Kulk	Asst. Executive Engineer	9440947475	<i>Shashi</i>
M/s. MDS India Consulting Engineers, Pvt Limited				
23	C H Gokulnath	Team Leader	9440947475	<i>C H Gokulnath</i>
24	Prashant	Construction Supervision Specialist	9440947475	<i>Prashant</i>
25	Shashishekar Kulk	Construction Supervision Specialist	9440947475	<i>Shashi</i>
26	Vishal Kulk	Asst. Engineer	9440947475	<i>Vishal</i>
27	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
28	Krishna Kumar	Project Coordinator	9440947475	<i>Krishna</i>
29	Shashishekar Kulk	Asst. Executive Engineer	9440947475	<i>Shashi</i>

30	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
M/s. DBI Substech Pvt Ltd				
31	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
32	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
33	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
34	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
35	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
M/s. Sankar Civil Engineering Pvt Ltd				
36	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
37	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
38	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
39	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
M/s. RISE Project Pvt Ltd				
40	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
41	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
42	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
43	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>
44	Shashishekar Kulk	Asst. Engineer	9440947475	<i>Shashi</i>

Hubert Enviro Care Systems (P) Ltd.

C-45, Industrial Estate, Baikampady, Mangalore, Karnataka - 575011.

Ph: 0824 - 2408111, Email: kro@hecs.in, Website: www.hecs.in

H.O.: # 18, 92nd Street, Ashok Nagar, Chennai - 600 083.

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Laboratory Services Division

Accredited by NABL in the fields of Chemical
ISO 9001, 14001 & OHSAS 18001 Certified.

Certificate No. TC-5786

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Name of the Customer	Ms. Laxmi Civil Engineering Services Pvt. Limited
Address of the Customer	C.S.NO. 1031 / K2, E Ward, 3rd Floor, Sterling Tower, Gavati Mandai, Kolhapur, Maharashtra - 416001
Name of the work / site	Ref. 02KDP01 dt. 19.12.2017. Construction of Works and Services for Operation and Management of 24 x 7 Water Supply System for Kundapura town, Udupi Dt. Karnataka - 576201
Sample Description	AAQ1: Ambient Air Quality Monitoring
Sample Collected by	Hubert Enviro Care Systems (P) Ltd
Sampling Location	Shastri Circle
Date of Sample Receipt	14.02.2019
Analysis Commenced On	14.02.2019
Completed On	23.02.2019
Report Date	25.02.2019
Report No	HECS/AAQ/001/140219

RESULTS

Date of Sampling	SO ₂	NO ₂	RSPM	SPM
	$\mu\text{g}/\text{m}^3$			
14.02.2019	27.5	29.6	89.3	172.6
NAAQ Standards	80*	80*	100*	-

Note: * : 24 hours average; ** : 8 hours average; *** : Annual average

Test Methods Followed:

SPM : IS 5182 (Pt 4): 1999 (RA 2005) (Gravimetric)

RSPM : IS 5182 (Pt 23): 2006 (RA 2017) (Gravimetric)

SO₂ : IS 5182 (Pt 2): 2001 (RA 2017) (Improved wet and Geake method)

NO₂ : IS 5182 (Pt 6): 2006 (RA 2017) (Jacob and Hochheiser modified method)

BDL =Below detection limit; DL - Detection Limit; SPM- Suspended Particulate matter, RSPM- Respirable Suspended Particulate matter;
SO₂ - Sulphur dioxide; NO₂ - Nitrogen-di-oxide; $\mu\text{g}/\text{m}^3$ - microgram per cubic meter.

CONCLUSION: ALL THE PARAMETERS ARE WITHIN THE PERMISSIBLE LIMIT

*****End of Report *****



Authorized Signatory
(Dr K Ganesan - Lab Manager)

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization. 2. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss / damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items. 6. # not under scope of accreditation.

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Name of the work / site	Ref. 02KDP01 dt. 19.12.2017. Construction of Works and Services for Operation and Management of 24 x 7 Water Supply System for Kundapura town, Udupi Dt. Karnataka - 576201
Sample Description	AAQ1: Ambient Air Quality Monitoring
Sample Collected by	Hubert Enviro Care Systems (P) Ltd
Sampling Location	OHT Halekote
Date of Sample Receipt	14.02.2019
Analysis Commenced On	14.02.2019
Completed On	23.02.2019
Report Date	25.02.2019
Report No	HECS/AAQ/002/140219

RESULTS

Date of Sampling	SO ₂	NO ₂	RSPM	SPM
	$\mu\text{g}/\text{m}^3$			
14.02.2019	25.6	28.2	72.6	159.4
NAAQ Standards	80*	80*	100*	-

Note: * : 24 hours average; ** : 8 hours average; *** : Annual average

Test Methods Followed:

SPM : IS 5182 (Pt 4): 1999 (RA 2005) (Gravimetric)
RSPM : IS 5182 (Pt 23): 2006 (RA 2017) (Gravimetric)
SO₂ : IS 5182 (Pt 2): 2001 (RA 2017) (Improved wet and Geake method)
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