Environmental Impact Assessment

Document Stage: Updated Number: 51077-003 August 2023

Maldives: Greater Malé Waste-to-Energy Project – Waste to Energy Plant (Part C)

Appendices

Prepared by the Ministry of Environment, Climate Change and Technology for the Ministry of Finance and the Asian Development Bank. This is an updated version of the draft originally posted in July 2020 available on https://www.adb.org/projects/documents/mld-51077-003-eia-2.

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Report No:

(7419)080-0561G(S)

Page 4 of 4

May 16, 2019

CPS CONDITIONS OF SERVICE

The party that submits a completed service request form to Company or signs a quotetion issued by the Company for its performance of services ("Services") is the "Gleot" under these Conditions of Service. The entry within the Burnau Vertes Company" under hese Conditions of Service. Company and Clem are, together, the Parties" and sech is "Party" in request to Electrons to consistences in the "Company" under hese Conditions of Service. Company and Clem are, together, the Parties" and sech is "Party" in request to Electrons constants as legaritation and parties and sech is accepted by the Company ("Agreement") under the following terms and conditions (Collective), "Conditions")

3. Seviders. Edi Tos completion of the Serides shall be evidence: by the Company's insiding to Client's written report estimal by the the results of the Serides based upon the property accepted request applicable protocols, written information, and where applicable. The product sample provided by Client to Company ("Report"). Company may delogated oxigin the performance of all or a portion of the Converse to an effects of Company is in a gent or advantage of the Converse to an effects of Company is in a gent or advantage of the Converse to an effects of Company or to an egent or advantage of the Converse to an effect of the Converse to and the Converse to an effect of the Converse to an effect of the

2. Report. (a) The Report shall (ii) constitute the sole deliverable for the Services. (ii) relate solely to the facts and observations received from Clear, Company shall have no observation of the Berkes within the Imits of written information and instructions received from Clear, Company shall have no observation of the Berkes within the Imits of written information and instructions received from Clear, Company shall have no observation of the Berkes within the Imits of written information and instructions received from Clear, Company shall have no observation of the Report state in subance. When the Berkes invulve issing or importance (i) the Report with respect to the product samples identified therein and (ii) the results set forth in finite Report as indicative or representative of the questy or characteristics of the Interview Norther Room Room and the Report with respect to the product samples identified therein and (ii) the results set forth in finite Report as indicative or representative of the questy or characteristics of the Report is product samples identified therein and (ii) the results set forth in finite Report as indicative or representative of the request is required by a regulatory body, shall not be published, used for identifying auroses, copied or replaced for divertation or public) disclined without Company provide y provide in costset. Company, in a diffusion of the Report is an inpert in any processing within the results within Company provide set within the constant. (c) Cleant shall on request a Report for purposes of Reports and the Report in such proceeding.

3. Representations and Warranties. (a) Company undertakes due care and oxidinary skill is the performance of its Terrvices. (b) Client agrees that Company is nother an insurer not a guaranto rand does not take the place of Client or the third parties that it retains. Including designers, manufactures, agents, buyers, distributors, and transportation or shoping companies; Company diceares at liability in such expensions. Client funderations that if it seeks to protect itself from the transmission of the space of the services. (b) Client agrees that Company is distributors, and transportation or shoping companies; Company diceares at liability in such expensions. Including designers, manufactures, agents, buyers, distributors, and transport injury. It should take appropriate insurance (c) Company does not warrant or guarantee. Client undertained and client agrees and Campany's Report does not represent a warrantly of mentionalizibility, a warrantly of threes for a particular purpore. If any other warrantly or guarantee.

4. Payment, Payment in full shall be due 30 days after the date of invoice, failing which Company may revoke any credit estanded to Client. Client shall reimburse Company for (i) interest on overdue amounts from the dat date unit paid at an interest rate of 1.5% per month and (ii) any other costs Company incurs in collecting paid due amounts, including court, interest, including court, interest, and collection agencies' free.

5. Imsteadual Property. The names, service marks, trademarks and oppyright: of Company and its stiffuetra (optionively, the "Marks") are and remain the selfproperty of Company, and shall not be used by CSent. Client shall not context the validity of the Marks or take any action that might impair the value or goodwill associated with the Marks or the image or equitation of Company or its attractes. Client understands that any information or samples submitted to Company is a Sense for Company to use the same in the performance of Services.

8. Relationship: (a) Nothing harein creates a pertnership, agenty or joint venture between the Parties. (b) The failure to require shicl observance or performance of any provision of these. Conditions shall not be constitued to be a aniver of a Party is right in latter require shicl observance and performance of the same. If any provision of these Conditions is held to be investigate the investigate the investigate the constituent (c) for a period of two years after the constituent (c) for a period of two years after the commencement of this Agreement, Client shall not directly or indirectly try to salicit for employment any of Company's employees.

7. INDEMNITY CUENT SHALL HOLD HAIMLESS AND INDEMNIFY COMPANY ITS AFFELIATES AND THEIR RESPECTIVE DIRECTORS. OFFICERS, EMPLOYEES, AGENTS AND SUBCONTRACTORS AGAINST ALL THIRD FARTY CLAMS FOR LOSS, DAMAGE, NULRY, DEATH, OR EXPENSE OF WHATEVER NATURE, INCLUDING BUT NOT LIMITED TO CLUME ARISING FROM OR RELATING TO 10 THE PERFORMANCE OF ANY GENICES BY COMPANY, 10 THE SALE, RESALE, MANUFACTURE, DISTRIBUTION OR USE OF ANY OF CLENTS GOODS OR (III) INFRACH OF CLENTS OBLIGATIONS OR WARRANTIES HEREIN.

E LINITATIONS OF LIABILITY. IAI CONFANY SHALL NOT BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL OR SPECIAL LODS IN CONNECTION WITH THE REPORT. THE PRODUCT FOR WHICH SERVICES WERE PERFORMED, OR THE SERVICES FROMDED BY COMPANY MERCURDER. COMPANY BHALL NOT BE LIABLE FOR ANY LOSS OF DAMAGE WHATHOEVER RESILL. THIS FROM ANY DELAY. IN THE PERFORMANCE OF INS DELIVATIONS HERELINGER OR FROM THE FALLER OF COMPANY TO PROVIDE ITS SERVICES WHICH ANY DELAY. IN THE PERFORMANCE OF ITS ESTIMATED BY COMPANY, REGARDLESS OF THE CAUSE OF THE DELAY OR FALURE. (8) THE ENTIRE FINANCIAL AND LEGAL LIABILITY OF COMPANY IN RESPECT OF ANY CLAIM FOIL LOSS. INDEMNITY, CONTRELITION OR DAMAGE OF WHATEVER NATURE OR HOMEOSEVER ARISING SHALL NOT EXCEED AN ANOUNT EQUAL TO FIVE IS THE AMOUNT OF FEES PAID TO COMPANY FOR THE SPECIFIC SERVICES WHICH GAVE RISE TO SUCH CLAIM.

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10. Gevenning Law. These Conditions shall be governed by the laws of the country as follows. for Services performed in (i) the Americas: the laws of New York, (ii) Asia Pacific, South Asia, Middle East and Alfris, the laws of Nong Koog (accept for China where PRC laws govern), and (iii) Earope, the laws of England

11. Dispute Resolution: (a) I Client deeres to asset a claim mixing to the Gervices, it must submit the same to Company in writing setting form with particularity the basis for such claim within 50 days from discovery of the claim and not more than six months after the date of issuance of the Report. Client waves any and at claims within the to not submit when a state and or time after a date of the claims and not more than six months after the date of issuance of the Report. Client waves any and at claims within the 10 days from discovery of the claim and not more than six months after the date of issuance of the Report. Client waves any and at claims within the the to not submit the match time periods (b) if a dapide relates under time Agreement, the Parties shall find attend to do flah negotiations. Taking which he Parties in agree that the clouds of the contry of governal law shall have exclusive junidiction to settle any each dispute related to this Agreement and (in mexicably waive their right to this by ury in any such scient or proceeding.

12. These Conditions, the applicable order form and/or quotation and the Report represent the entire understanding of the Parties on the subject matter hereof, and ne mostfication is binding arrests in writing. Any of Client's terms and conditions attached to, enclosed with or referred to in any order form, parchese order or other document's shall not apply.

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END OF THE REPORT.







Report No:

(7419)080-0561H(S)

Page 1 of 4

Attn: Mr. Nashfa Nashidh

Customer:

Water Solutions (Pvt) Ltd

Address : Date of Sample Received: Date of Testing Started: Date of Report Modified: Date of Testing Completed: Sample Description: MA. Faseri, 1st Floor, Ameenee Magu, Male, Maldives Apr 03, 2019 Apr 03, 2019 May 16, 2019 May 16, 2019 **Sample Received as:** Approximately 500ml x 3 Nos. of Water sample contained in two sealed plastic bottles & one glass bottle respectively **Sample Identified by the Client as:**

Ground Water Thilafushi GW 8

NO

Sample Drawn By BVCPS

Photo of the Samples Submitted



(7419)080-0561H(S)

Bureau Veritas Consumer Products Services Lanka (Pvt) Ltd.

No. 570, Galle Road, Katubedda, Moratuwa, Sri Lanka Tel: (9411) 2350111-115 (dedicated lines), Fax: (9411) 112622198 & 199 Email: bvcps.lanka@lk.bureauveritas.com This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.cps.bureauveritas.com and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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TEST RESULTS

No.	Parameters	Results	LOQ	Unit	Test Method
1	Turbidity*	348	-	NTU	APHA 23rd ed: 2017: 2130 B
2	pH at 25°C*	7.8	-	-	APHA 23rd ed: 2017 :4500H ⁺
3	Iron (as Fe)*	0.4	-	mg/l	APHA 23rd ed: 2017: 3125 B
4	Manganese (as Mn)	0.07	-	mg/l	APHA 23rd ed: 2017: 3125 B
5	Arsenic (as As)	ND	0.001	mg/l	APHA 23rd ed: 2017: 3125 B
6	Total Dissolved Solids*	2188	-	mg/l	APHA 23rd ed: 2017: 2540 C
7	Electrical Conductivity at 25°C*	3.8	-	mS/cm	APHA 23rd ed: 2017; 2510 B
8	Cadmium (as Cd)*	ND	0.0001	mg/l	
9	Lead (as Pb)*	ND	0.001	mg/l	APHA 23rd ed: 2017: 3125 B
10	Mercury (as Hg)	ND	0.00005	mg/l	
11	Polynuclear Aromatic Hydr	ocarbons*			·
а	Naphthalene	ND	1.0	μg/l	CPSD - AN-00576
b	Acenaphthylene	ND	1.0	μg/l	CPSD –AN-00576
с	Acenaphthene	ND	1.0	μg/l	CPSD –AN-00576
d	Fluorene	ND	1.0	μg/l	CPSD - AN-00576
e	Phenanthrene	ND	1.0	μg/l	CPSD - AN-00576
f	Anthracene	ND	1.0	μg/l	CPSD - AN-00576
g	Fluoranthene	ND	1.0	μg/l	CPSD - AN-00576
h	Pyrene	ND	1.0	μg/l	CPSD - AN-00576
i	Benzo[a]anthracene	ND	1.0	μg/l	CPSD - AN-00576
j	Chrysene	ND	1.0	μg/l	CPSD - AN-00576
k	Benzo[a]pyrene	ND	1.0	μg/l	CPSD –AN-00576
1	Benzo[e]pyrene	ND	1.0	μg/l	CPSD -AN-00576
m	Indeno[1,2,3-cd]pyrene	ND	1.0	μg/l	CPSD - AN-00576
n	Dibenzo[a,h]anthracene	ND	1.0	μg/l	CPSD -AN-00576
0	Benzo[g,h,i]perylene	ND	1.0	μg/l	CPSD - AN-00576
р	Benzo[b]fluoranthene	ND	1.0	μg/l	CPSD - AN-00576
q	Benzo[j]fluoranthene	ND	1.0	μg/l	CPSD - AN-00576
r	Benzo[k]fluoranthene	ND	1.0	μg/l	CPSD - AN-00576



Report No:

(7419)080-0561H(S)

May 16, 2019

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(*)Indicates- ISO 17025 :2005 accredited test.

Remark:

The test report (7419)080-0561H has been replaced with the test report (7419)080-0561H(S) in order to add test results of Heavy metals.

NOTE:

APHA: American Public Health Association, SLS: Sri Lanka Standard, ND: Not Detected, LOQ: Limit of Quantification, mg/l: milligrams per liter, °C :Celcius, NTU: Nephelometric Turbidity Units, mS/cm : milliSiemens per centimeter.

Contact Information for this report (Technical and General Inquiries and Feedback)

GENERAL INQUIRIES:		
IROSHA UDUGAMPALA	TEL: +94 768 229 528	E-MAIL: Irosha.Udugampala@lk.bureauveritas.com
TECHNICAL INQUIRIES:		
ROHITHA GUNARATHNA	TEL: +94 774 151 768	E-MAIL: rohitha.gunarathna@lk.bureauveritas.com
FEED BACK:		
KUMUDINI RATHNAYAKE	TEL: +94 768 229 455	E-MAIL: kumudinie.rathnayake@lk.bureauveritas.com

REVIEWED BY: SHYAMIKA WICKRAMASINGHE

BUREAU VERITAS CONSUMER PRODUCTS SERVICES LANKA (PVT) LTD.

AUTHORIZED SIGNATORY

10.

ROHITHA GUNARATHNA

MANAGER-ANALYTICAL LABORATORY



Report No:

(7419)080-0561H(S)

May 16, 2019

Page 4 of 4

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E LINITATIONS OF LIABILITY. (A) CONPANY SHALL NOT BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL OR SPECIAL LODS IN CONNECTION WITH THE REPORT, THE PRODUCT FOR WHICH SERVICES WERF EMPROVEND, OR THE SERVICES FROMDED BY COMPANY HEREURDER. COMPANY SHALL NOT BE LIABLE FOR ANY LOSS OF DAMAGE WHATBOEVER RESULTING FROM ANY DELAW IN THE REFORMANCE OF ITS OBLIGATIONS HEREUNDER OR FROM THE FALLIRE OF COMPANY TO PROVIDE ITS SERVICES WITHIN ANY TIME PERIOD FOR COMPLETION ESTIMATED BY COMPANY, REGARDLESS OF THE CAUBE OF THE DELAY OR FALURE. (B) THE ENTIRE FROM ON DECAL LIABLETY OF COMPANY IN RESPECT OF ANY CLAIM FOR LODS. INDEMNITY, CONTRELITION OR DAMAGE OF WHATEVER NATURE OR HOWIDEVER ANISONS SHAL. NOT EXCEED AN AMOUNT EQUAL TO FIVE IS) TIMES THE AMOUNT OF FEES PAID TO COMPANY FOR THE SPECIFIC SERVICES WHICH GAVE RISE TO SUCH CLAIM.

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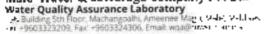
11. Disputs Resolution: (a) I Client depres to easert a claim mixing to the Services, I must submit the same to Company in writing setting form with particularly the basis for such claim within 50 days from discovery of the claim and not more than six months after the date of issuance of the Report. Client waves any and at claims within the to not worth discovery of the claim and not more than six months after the date of issuance of the Report. Client waves any and at claims within the to the to not worth discovery of the claim and not more than six months after the date of issuance of the Report. Client waves any and at claims within the to the to the third wave within the claims and of the report of the report of the report. The traities shall find attend to do full hepotheliations. Taking which he presents of the contry of operand law shall have exclusive jurisdiction to settle any each dispute related to this Agreement and (in mexcestly waive their right to that by ury in any such scient or proceeding.

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END OF THE REPORT.

Male' Water & Sewerage Company Pvt Ltd





WATER QUALITY TEST REPORT Report No: S06181870

Customer Information: Water Solutions Pvf Hill

класунчтаў меды Male/ 20063

Report cate: 09/04/2019 Test Recuisition Form No. 900187119 Sample(s) Redeved Eate: 03/04/2019 Date of Analysis: 03/04/2019 - 04/04/2019

Sample Description	Thratusty GW1	Thistush GW2	Thileitethi GW3			
Sample Type	Ground Water	Ground Water	Ground Waren			
Sample No.	83203941	83208642	83203945	TEBT METHOD		
Sampled Date	02/04/2019	22/04/2015	02/04/2019			
PARAMETER	ANALYSI6 RESULT					
Physical Appearance	Clase	Pala prown with particles	Pale yellow with particips			
On eride	185	1/15	7200	In-traine Test method (Autobal four MS85 Chloride analyser Specific) Manuals	nst.	
Nitrate *	17	6.1	5.0	Melond #171 (Adapted runs HAGH DR5200 Secolopholometer procedure Menuals	mg'_	
Phosphate *	0.07	0.23	D.2*	Method 41441 (Adapted Turn HACH DR5001 Scottophotometer procedure Neural)	mgʻL	
Iotal Colforne	>2420	291	>2420	Sofia tike 5-Guand Tray@2000	MPN/100m	

Keys: mg/L : Milligrein Fari iller, MPN/100nal : Most Propable Numper

Checked by

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Amnath Sala I shownery Executive

Notes: Sampling Authority: Sampling was not done by MWSC Laboratory This report shall not be reproduced except in full, without within approval of NWSE. This test report is ONLY FOR THE SAMPLES TESTED. - Information provided by the coefficient 'Parametres accredited by EAC under ISO / IEC 17025/2005

Approved by

Nohamed Eynen Assistant Manager, Quality



WATER QUALITY TEST REPORT Report No: 300181970

Gastomer Information: Weter Solutions PV1121

lon. ziyeersiy magu Male' 20063

Thilebul-i C994 Thilehahi GWS Thiaf John GW6 Sample Description Ground Water Sample Type Bround Water Ground Water Semple No 83203944 83203545 93206546 TEST METHOD UNIT Sempled Date 02/34/2019 02/04/2019 02/04/2015 PARAMETER ANALYSIS RESULT Palentel ow with particles Physica Appearance Clive green with particles. Oilve green with particles. Chlonde 479 3425 6325 In-house Test motion (Acapted from MR25 Chloride analyzer Operation Manual) ոթե Nitrete 1 7,5 25.5 34.5 Method 0171 (Articled From TACLED S5000 Specomptmometier procedure Manual) nwî. Phosphela 1 <0.05 (LoQ 0.05 mg/L). 0.46 0.57 Method 6046 (Adapted from TACLED 30000 Spectra commeter processe Manual) met. Total Cofforms 1986 >2420 10 MPW100mL 10nide:r80-18.13.cent-Tray/008100-

Keys: mp1. Miligram Per L'ter, MPN/100ml, Most Proceble Number

Chooked by

Aminath Sala Laboratory Executive

Notes: Sempling Authority: Sempling was not core by MWSC Laboratory This report shall not be reproduced except in full, whoch written approval of MWSC. This tast report is ONLY FOR THE SAMPLES TESTED.

In Information provided by the costomer-

*Parametres accredited by DAC under ISO / IEG 17825:2006

Approved by

Michamod Eyman Availate Manager, Quality Report date 69/04/2019 Tial Requision Form No: 900137119 Sample(x) Received Date 60/04/2019 Date of Analysis: 03/04/2019 - 04/04/2019

Male' Water & Sewerage Company Pvt Ltd Water Quality Assurance Laboratory RNDLerg Schlost Michaegia II, Americe May, Mder Makie-Tech9008322209 Fex 490713-10(6 - metrophylococcontor)



Test Regulation Form No: 900487119

Semple(a) Reviewer Date 03/04/2019 Ecte of Analysis: 03/04/2019 - 04/04/2019

Generic ste: 09104/2019

WATER QUALITY TEST REPORT Report No: 500181970

Customer Information: Water Solutions Eviluation

loouziyaaraiy magu Melwi 20068

Sample Description	Thilaíochi (547	Tribitan GiùS		
Sample Type	Ground Water	Ground Weler		
Sample No	83203917	83208948		
Sampled Date	C2/C4-2019	02/04/2019	TEST METHOD	UNIT
PARAMETER	ANALYBIS REBULT			
Physics' Appearances	Yellow with perticies	Cloudy and opeque		
Chloride	E125	1066	in house Test-method (Adapted Porr MP26 Chiefde analyzer Operation Manual)	mal
Ninala '	*2.2	3.4	Method 8171 (Vdapted from RACH DES200 Spectropholometer protective Menuel)	ոցլ
Phosphale *	2.27	0.72	Molhog 2043 (Vdapted from HACH DRS100 Apertopholometer procedure Menuel)	TQL
Total Californis	*2420	4	Collet2-1*Currd-Tray#2000	MPV/100m1

Keys: mg/L : Viligram Per Liter, MPN/100ml : Most Probable Number

Checked by

Aminest: Sofa Laboratory Executiva

Notes: Sampling Authority: Sampling was not done by MWSC Laboratory This report shall not be reproduced except in ALL vitihout written approvel of MWSC. This lost report to OM Y FOR THE SAMPLES TESTED - Information provides by the customer

"Parametres economited by DAD under ISO 17025(2005)

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Approved by



Mohemed Bymen Assistant Manager, Quality







Appendix 11

(7418)144-0214A(SL)

Jul 14, 2018 Page 1 of 4

Report No:

Applicant: Water Solutions (Pvt) Ltd.

Address : Ma Fas Eri, 1st Floor, Ameenee Magu, Male, Maldives.

Attn: Mr. Aslam Mohamed/ Mr. Abdulla Fazeel

Sample Received as:

500ml x 2 No.s of water sample contained in sealed plastic bottles submitted by the client.

Sample Described by the Client as:

Thilafushi SW1 Date & time Sampled : 03/07/2018 at 07.30 a.m

Date of Sample Received:	Jul 06, 2018
Date of Testing Started:	Jul 06, 2018
Date of Testing Completed:	Jul 13, 2018
Date of Report Issued.	Jul 14, 2018

Photo of the Samples submitted



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Bureau Veritas Consumer Products Services Lanka (Pvt) Ltd. No. 570, Galle Road, Katubedda, Sri Lanka. Tel : (9411) 2350111 Fax : (9411) 2622198 / 9 E-mail : bvcps.lanka@lk.bureauveritas.com

This reports governal' by and incorporate try reference, the Confidence of Technig as posted at the use of issuence of the high report as the high report of the the Arry corporate registerious of the incorporate of the report as an end of the Arry corporate registerious of the report as an end of the arrow of the report as the high report of the report as the final end of the arrow of the report as the re

CPS CONDITIONS OF SERVICE

The party that submits a completed service request form to Concern or signs a quotallon issued by the Company for its performance of services if Services') is the "Client" under these Conditions of Service. The entity within the Bureau Vertice Consumer Products Services drastan accepting the services request form and issuing the Repart occumenting the results of these Services is the "Company" under these Continions of Service. Company and Client ave, together, the "Partice" and each is a "Party". A request for Services constitutes a legally anding agreement in such Partice when such a request is accepted by the Company ("Agreement") under the following terms and conditions (collectively, "Conditions"):

1. Services. (a) the completion of the Services shall be extended by the Company's issuing to Cherilla Wilder report selfing forth the results of the Services based upon the property comparison actively performance of all or a portion of the Services based upon the property company delegate/assign the performance of all or a portion of the Services lo an affiliate of Company or a timely base all documents and information represented to Company to property perform the Services. Company may delegate/assign the performance of all or a portion of the Services lo an affiliate of Company or a timely base all documents and information represented to Company to property perform the Services. Company may, in its state discretion, dispose of unduct samples furnished to Company for the Services that were not destinged in the course of application of the Bendees. (b) Chert represents and warrants to Company that (i) each product sample is not submitted in violation the sample's upon which the Report's cased; and (ii) any product whose properties differ from the sample's upon which the Report's cased; and (ii) any goods subject to inspection will be completely property replies (iii) any goods subject to inspection the sample's upon which the Report's cased; and (ii) any goods subject to inspection will be completely prepared to the type of inspection backed for the sample's upon which the Report's cased; and (ii) any goods subject to inspection will be completely prepared to the type of inspection backed for the sample's upon which the Report's cased; and (ii) any goods subject to inspection backed for the sample's inducting accurs of documents and rule accurs of documents and rule accurs of the FRACH regulations. Chert's responsivers of compliance required uncer the US Ordener Product Satety into the satety and that provement ad and the regulation of such documents are product accurs of documents and rule accurs of completent accurs where FRACH regulations. Chert's respective and had hability for accursely shall apply e

2. Report. (a) The Report shall (i) constitute the sole detiverable for the Services, (i) relate every to the tack and directivetances as observed and technological programs at the time of performance of the Services within the times of written information and instructions received from Clent. Company et al. have no characteristic the Report of Report of the Services include testing or repeation. (i) the Report will be training or Company ability who respect to the product samples identified therein and (ii) the results set to the Proceeding or the construct as indextive or representative of the quality or characteristics of the bind of representative of the results set. both in the Report are not to be construct as indextive or representative of the quality or characteristics of the bind of representative of an which a product sample was taken to Company's performance of Samoos. (b) The Report use of Clern and its efficience and, except as required by a regulatory body, shall not as published, used for aboth and public declarance without Company's performance of Samoos. (b) The Report, is indicated for distribution or publicly declared without Company's prior written consent. Company is not responsible for any third party's interpretation of the Report. (c) Clercitical and the apport of publicly declared without Company's prior written consent. Company is not responsible for any third party's interpretation of the Report. (c) Clercitical and Report for publicles and response of the Report. (c) Clercitical and the apport of publicles and the product company's prior written consent. In Clercitical and response of the apport of the Report in any regulatory for the Report in such proceedings, it shall sole for the test and otherwise using the Report in any regulatory is additioned or employees as an GOPPT in any proceeding.

3 Representations and Warranties. (a) Company undertakes due care and ordinary skill in the performance of its Services (b) Diant agrees that Company la nother an insurer non-a guaranter and does not take the place of Client of the third parties that it retains, including designers, manufactures, egenta, objeta, ristributors, and transportation or shipping companies; Company disclaims all labitity in such capacities. Client understands that, if it sets to protect faelt from claims of least damage or Influry, it should obtain appropriate insurance. (b) Company does not warrant or guarantee. Clients products, and Company's Popert does not represent a warranty of merohantability, a warranty of litness for a particular outpose, or any other warranty or guarantee.

4. Payment: Payment in full shall be due 30 days after the data of involve, fating which Company may revoke any credit extended to Client Client shall reighburse Company for (i) biterest on overdue encriming from the due esternal pad at an interest rate of 1.5% per monor and (ii) any other costs Company incurs in collecting past due encuries, including court, charneys are collection access free.

b. Intellectual Property. The names, service marks, trademarks and copyrights of Company and its athlifetea (collect/way) the Marks) are and remain the sole property of Company and shall not be used by Client. Client shall not context the validity of the Marks or take any edition that might import the value or good/will associated with the Marks or take any edition that might import the value or good/will associated with the Marks or the image or reputs, on of Company or its affiliates. Client understands that any information or samples submitted to Company is a licence for Company to use the same in the performance of Services.

6. Relationship. (a) Nothing horain creates a partnership, agency or joint venture between the Parties. (b) The failure to require strict observative and performance of any provision of these Conditions shall not be constitued to be a valuer of a Party's right to later require strict observative and performance of any provision of these Conditions shall not be constitued to be a valuer of a Party's right to later require strict observative and performance of the same if any provision of these Conditions shall not be invalid or unentorational, such invalidity shall not invalidate the remainder of the Conditions (c) For a period of two years after the commencement of this Agricement, Client shall not directly or indirectly to be objective to employment any of Company's Employees.

7. INDEMNITY, CLIENT SHALL HOLD HARMLESS AND INDEMNITY COMPANY, ITS AFRILIATES, AND THEIR RESPECTIVE DIRECTORS, OFHICERS, EMPLOYEES, AGENTS AND SUBCONTRACTORS AGAINSTIALL THIND-PARTY CLAIMS FOR LOSS, DAMAGE, INJURY, UEATH, OR EXPENSE OF WHATEVER NATURE INCLUDING BUT NOT LIVITED TO CLAIMS AR SING FROM OR RELATING TO UP THE PERFORMANCE OF ANY SERVICES BY COMPANY (II) THE SALE, RESALE, MANUFACTURE, DISTRIBUTION OR USE OF ANY OF CLIENT'S ISOCIDS OR (II) DREACH OF CLIENT'S COLIGATIONS OF WARRANTES REFEIN

8. LIMITATIONS OF LIABILITY. (A) COMPANY SHALL NOT BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL OR SPECIAL LOSS. IN CONNECTION WITH THE REPORT, THE PRODUCT FOR WHICH SERVICES WERE PERFORMED, OR THE SERVICES PROVIDED BY COMPANY HEREUNDER. COMPANY SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE WHATSOEVER RESULTING FROM ANY DELAY IN THE PERFORMANCE OF ITS CRUIGATIONS LICEDUNDER OF FROM THE FAILURE OF COMPANY TO PROVIDE ITS SERVICES & THIN ANY TIME PERFORMED FOR COMPANY FOR COMPANY TO PROVIDE ITS SERVICES & THIN ANY TIME PERFORMED FOR COMPLETION ESTIMATED BY COMPANY REGARDLESS OF THE CAUSE OF THE DELAY OR FAILURE. (B) THE FAILURE AND LEGAL LABILITY OF COMPANY IN RESPECT OF ANY CLAIM FOR LOSS. INDEMNITY, CONTRIBUTION OR DAMAGE OF WHATEVER NATURE OF HOWSOEVER ARISING, STALL NOT EXCEED AN AMOUNT EQUAL TO FIVE (S) TIMES THE AMOUNT OF FEES PAID TO COMPANY HOR THE SPECIFIC SERVICES WITCH GAVE FISE TO SUCH CLAIM.

9 Force Majoure, it any event of rame majoure or any event outside the control of Company occurs. Company may inmediately cancel or excepted its performance percender without neurong any liability whatspower to Circuit.

10. Governing Law, These Conditions shall be governed by the taws of the country as follows: for Services performed in (1) the Americas: Pic laws of New York, (ii) Asia Pacific, South Asia, Middle East and Africa: the laws of Llong Kang (except for China where PDC laws govern), and (0) Europa: Pic laws of England

11. Dispute Resolution. (a) If Client desires to assert a claim relating to the Services, it must submit the same to Company in writing setting forth wen particularly the basis for such claim within 90 days from discovery of the claim and not more than six months after the date of issuance of the Report. Client waves any and all claims without Initiation that it does not submit within such time panded. (b) If a respute arises uncer this Agreement. The Parties shall first attempt good faith regolistics, tailing when, the Parties shall first equation of the country of governing law shall have exclusive jurisdiction to eath any such dispute or late of this Agreement. The Parties shall first equation of the country of governing law shall have exclusive jurisdiction to eath any such dispute matces to this Agreement and () interpretative or their right to trial by jury in any such action or proceeding.

12. These Conditions, the applicable order form and/or quotation and the Report represent the entitle uncerstanding of the Parties on the subject matter hereot, and no modification is binding unless in writing. Any of Clience terms and conditions attached to, enclosed with or reterred to in any order form, purchase procior other document shell not apply.

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(7418)144-0214A(SL)

Jul 14, 2018

Report No:

Page 2 of 4

TEST RESULTS

No.	Parameters	Results	LOQ	Unit	Test Method
1	Temperature at Receiving	24.2	-	۰C	APHA 20th Edition - 2550B
2	Turbidity	0.3	-	NTU	APIJA 2130 B
Э	pl[ut 24ºC*	8.4			FD-MTHD-007:2013 Reference to APIIA 4500H+
4	Nitrate (as NO ₅ ')	0.3	•	mg/l	APHA 4500 -NO ₂ - E
5	Oil & Grease*	<2.0	2.0	mg/l	FD-MTHD-032:2013 Reference in APHA 5520B
6	Free Ammonia (as NH3)	0.05		mg/l	SLS 614 Appendix A: 2013
7	Salinity	36		ppl	APITA 2520
	Heavy Metals				
к	Arsenie (as As)*	ND	0.001	mg/l	
9	Cadmium (as Cd)*	ND	0.0001	mg/l	
30	Lead (as Pb)*	ND	0.001	mg/l	
П	Mercury (as Hg)*	ND	0.00005	лıg/l	CPSD-AN-00581-MTHD with
12	Nickel (as Ni)*	ND	0.001	mg/l	ICP-MS
13	Copper (as Cu)*	ND	0.001	mg/l	
13	Zine (as Zn)*	ND	0.001	mg/l	
15	Chromium (as C1)	ND	0.001	mg/l	



(7418)144-0214A(SL)

Jul 14, 2018

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Report No:

Remark –

*ISO 17025 :2005 ACCREDITED TEST BY SRI LANKA ACCREDITATION BOARD FOR CONFORMITY ASSESSMENT (SLAB)

NOTE:

mg/l: milligrams per liter, ppl: parts per thousand, APHA: American Public Health Association ND: Not Detected, LOQ: Limit of Quantification, NTU: Nephelometric Turbidicy Units, "C : Celeius, ICP-MS: Inductively Coupled Plasma – Mass Spectroscopy.

Contact information for this report (Technical and General Inquiries and Feedback)

GENERAL INQUIRIES:		
IROSHA UDUGAMPALA	TEL: +94 768 229 528	E-MAIL: Irosha.Udugampala@lk.bureauveritas.com
TECHNICAL INQUIRIES:		An and a second s
INDRAJITH HATHURUSINGHA	TEL: + 94 769 603 814	E-MAIL: Indrajith.hs@lk.bureauveritas.com
FEED BACK:		
DHANUKA PERERA –EXECUTIVE QHSE	TEL: +94 768 229 479	E-MAIL: dhanuka.perera@lk.bureauveritas.com

REVIEWED BY: SHYAMIKA WICKRAMASINGHB

BUREAU VERITAS CONSUMER PRODUCTS SERVICES LANKA (PVT) LTD -

AUTHORIZED SIGNATORY

AFFROVED BY: INDRAUETH HATHURUSINGHA MANAGER-FOOD LABORATORY



Report No:

TEST REPORT

(7418)144-0214A(SL)

Jol 14, 2018

Page 4 of 4

OPHICONOMICAL OF SERVICE

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11. Objust Resolution (a) If Cave deduct is seen along to use Service. I must extend the same to Company in young selfing half when replacibly the level for some the discussion of the Report Company of the Mathematical Interface of the Report Company of t

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END OF THE REPORT.

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TEST REPORT



(7418)144-0214B(SL)

Jul 14, 2018

Page 1 of 4

Applicant: Water Solutions (Pvl) Ltd.

Address : Ma Fas Eri, l^{*} Floor, Ameenee Magu, Male, Maldives.

Atts: Mr. Asiam Mohamed/ Mr. Abdulia Fazeel

Sample Received as:

Report No:

500ml x 2 No.s of water sample contained in scaled plastic bottles submitted by the client.

Sample	Described	by the	e Client	14 :

Thilafushi SW2 Date & fime Sampled : 03/07/2018 at 07.45 a.m.

Date of Sample Received:	Jul 06, 2018
Date of Testing Started:	Jul 06, 2018
Date of Testing Completed:	Jul 13, 2018
Date of Report Issued:	Jul 14, 2018

Photo of the Submitted Sample



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Runean Veritus Consumer Products Services Lanka (Pvt) Ltd. No. 570 Gale Road, Kaluedda, Sri Lanka. Tel: (9411) 205011 Fax: (9411) 262218679 E-mai: (bytp:Janka@kEureanverlae.com

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CPS CONDITIONS OF SERVICE

The party that submits a completed service request form to Company or signs a quotation, saved by the Company for its performance of services ("Services") is the "Client" under these Conditions of Service. The entity within the Bureau Veriles Consumer Products Services division accepting the service request form and issuing the Report documenting the results of those Services to the "Company" under these Conditions of Service to those Services to the "Company" under these Conditions of Service Company and Client are, together, the "Parties" and each is a "Party". A request to Services constitutes a legally binding agreement or both Parties when such a request is serviced by the Company ("Agreement") Under the following terms and card bons (collocity), "Conditions"):

1. Sorvices. (a) The completion of the Services shall be evidenced by the Company's issuing to Client a written report being forth the results of the Services based upon the property accepted request applicable protocols, written information, and where applicable, the product sample provides by Client to Company (Report). Company may delegate/assign the performance of all of a portion of the Services to an affiliate of Company on a timaty sage, all documents and information receasestly benable Company to properly perform the Services. Company may, in its sole dependence of product samples turkshall be company for the Services that were not destroyed in the course of performance of the Services. (b) Client represents and warrants to Company timit () each product sample is not submitted in violation of a liftid party's intellactual property rights; (i) Client will not use and fair access and warrants to Company timit product whose properties differences) uses and liftid party's intellactual property rights; (i) Client will not use and fair accessing and client where and the services of performance of the Services. (b) Client are presents and warrants to Company timit () each product sample is not submitted in violation of a liftid party's intellactual property rights; (i) Client will not use and rely upon Cumpany and product whose properties differences) upon which the performance of and client work and (c) Client eccession and display and liability for the second of dectifient accession will be company and (c) company and is built of company and is builted on company of dectifient accession accession between the party of dectifient accession accession where the US Consumer Product sately improvement dot and EU requires the EACH regulations. Clients responsibility and tability for accession where Company is a provide accession of each documentation.

2. Report. (a) The Fooder should be constitute the sole deliverable for the Services, fill relate safety to the facts and provinstances as observed and recorded by Company as the time of performance of the Services within the limits of written internation and instructions received from Cient; Company shell have no colligation to update the Report after its tanknow. Where the Services include teeting or inspection: (i) the Report will set forth the findings of Company shell have no colligation to update the Report after its tanknow. Where the Services include teeting or inspection: (i) the Report will set forth the findings of Company shell have no colligation to update the Report after its tanknow. Where the Services include teeting or inspection: (i) the Report will set forth the findings of Company shell have no colligation to update the Report after its tanknow. Where the Services include teeting or inspection: (i) the Report will set forth the findings of Company shell have no colligation to update the Report after its tanknow. Where the Services include teeting or inspection: (i) the Report will set forth the findings of Company shell have no colligation to update the Report after its tanknow. Where the Services include teeting or inspection: (i) the Report will set forth the findings of Company shell have no colligation to the product samples include the set of the report of the set of the

3. Representations and Warranties. (a) Company unnertakes due care and ordinary skill or the performance of its Services (b) Client agrees that Company is reflect an insurement a guaranter and dots not take the place of Client or the Ibid parties that it retains, including designers, manufacturers, agents, buyers, cleftibutors, and hanaports on orish paing companies; Company disclettre at Tability in such capacities. Client understands that, if it serves to protect their from claims of loss, damage of Ibitity, it should obtain appropriate insurance. (c) Company does not variant or guarantee Client's products, and Company's Period plass not represent a Warranty of merchantability, a warranty of teness for elections or any other warrant or quarantee.

4. Payment. Payment in full shall be due 30 days effer the date of invoice, failing which Concerny may revoke any credit extended to Olient. Shall remoture Company for (i) interest on overdue amounts from the due bace until part at on interest rate of 1.5% per month and (ii) any other costs Company hours in collecting para nue amounts, including count, econesy and collection agencies from.

5. Intellectual Property. The names, service marks, trademarks and copyrights of Company and its affifaces (collectively, the **Marks**²) are and remate the sole procerty of Company and shall not be used by Crant. Clerc shell not context the value or goodwill associated with the Marks or take any action that might import the value or goodwill associated with the Marks or take any action that might import the value or goodwill associated with the Marks or take any action that might import the value or goodwill associated with the Marks or the image or reputation of Company or its attitiates. Clerk understands that any information or samples submitted to Company is a license for Company to use the series in the performance of Services.

8. Relationship. (a) Nothing hare'n prestes a pathevship, agency or joint venture betwarn the Pames. (b) The failure to regulae shift observance or performance of any provision of these Conditions shall not be construed to be a waiver of a Party's right to later require shift observance and performance of the same. If any provision of tasse Conditions shall not be invalid or unenforceable, such involved by shall not maintain of the Conditions shall not be invalid or unenforceable, such involved to the maintain of the conditions (c) For a period of two veers after the common common of this Agreement. Client shall not creatly or indirectly by to solid the employment any of Company's employees.

7. INDEMNITY OUENT SHALL HOLD, IMBI/LESS AND INDEMNIFY COMPANY, ITS AFFILIATES, AND THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, AGE/ITS AND SUBCONTRACTORS AGAINST ALL THIRD-PARTY CLAMS FOR LOSS, DAMAGE, INJURY, DEATL, CA EXPENSE OF WHATEVER NATURE, INCLUDING BUT NOT LIMITED TO CLAMS ARISING FROM OR RELATING TO (I) THE PERFORMANCE OF ANY SERVICES BY COMPANY, (II) THE SALE, RESALE, MANUFACTURE, DISTRIBUTION OR USE OF ANY OF CLIENT'S COODS OR (III) DREACH OF CLIENT'S COODS OR

8. LIMITATIONS OF LIABILITY. (A) COMPANY SHALL NOT BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL OR SPECIAL LOSS IN CONNECTIO. WITH THE DEPORT. THE PRODUCT HOR WHICH SERVICES WERE PERFORMED, OR THE SERVICES PROVIDED BY COMPANY HEREUNDER. COMPANY SHALL NOT BE LIABLE FOR ANY LOSS OF DAMAGE WHATSOEVER RESULTING FROM ANY DELAY IN THE PERFORMANCE OF ITS OBLIGATIONS HEREUNDER OR FROM THE FAILURE OF DOMPANY TO PROVIDE ITS SERVICES WITHIN ANY TIME PERFORMANCE OF ITS OBLIGATIONS HEREUNDER OR FROM THE FAILURE OF DOMPANY TO PROVIDE ITS SERVICES WITHIN ANY TIME PERFORMANCE OF ITS OBLIGATIONS HEREUNDER OR FROM THE FAILURE OF DOMPANY TO PROVIDE ITS SERVICES WITHIN ANY TIME PERFORMANCE OF ITS UNMATED BY COMPANY, RECARDLESS OF THE CAUSE OF THE DELAY OR FAILURE. (B) THE ENTIRE FINANCIAL AND LEGAL LIABILITY OF DOMPANY IN RESPECT OF ANY CLAIM FOR LOSS INDEMNITY, DONTRIBUTION OF DAMAGE OF WHATEVER NATURE OR HOWSDEVER ARISING. SHALL NOT EXCEED AN AMOUNT EQUAL TO FIVE (S) TIMES THE AMOUNT OF FEES PAID TO COMPANY FOR THE SPECIFIC SERVICES WHICH GAVE RISE TO SUCH CLAIM.

9. Force Majeure. If any event or force majeure of any event outside the control of Company needs. Company may Immediately cancel or suspend its performance hereunder without noturing any tability whatebever to Client.

10. Groverning Lewy, These Conditions shall be governed by the lewe of the ocusity as follows: for Services performent in (i) the Americas: the lews of New York, (ii) Asis Pach's, South Asis, Midale East and Africa: the lews of Hong Kong rescent for Chine where PRC lews govern), and (iii) Europe: the tows of Finglenc,

11. Dispute Resolution. (a) If Client decires to assert a claim relating to the Services, If must aubinit like same to Company in writing setting forth with particularity the basis for such client within 90 cars from discovery of the date and not more than etc. months after the use of issuance of the Report. Client writes any and all stams within filletion that it does not submit within such time particle. (b) If a dispute asses under this Agreement, the Parties shall first adampt good faith negative assets ons, talling which, the Parties (i) agree that the country of the country of governing law shall have exclusive jurisdiction to both any etch cisaute related to this Agreement and (ii) inevocebly velve their right to stall by jury in any such action or proceeding.

12. These Conditions, the applicable order form and/or quotation and the Report tagreeent the antire understanding of the Parties on the subject matter hareof and no modification is binding unless in writing. Any of Clorit's terms and conditions allached to, exclosed with or referred to in any order form, purchase order or other document shell not apply.

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Report Nu:

(7418)144-0214B(SL)

Jul 14, 2018

Page 2 of 4

TEST RESULTS

No.	Parameters	Results	LOQ	Unit	Test Method	
]	Temperature at Receiving	24.2	-	"C	APHA 20th Edition - 2550B	
2	Turbidity	0.2	-	NTU	APIJA 2130 B	
3	рН ат 24%С*	8.4		6	FD-MTHD-007:2013 Reference to APHA 4500H)	
1	Nitrate (as NO ₅ *)	0.4		mg/l	APHA 4500 -NO3- E	
5	Oil & Grease*	<2.0	2.0	mg/l	FD-MTHD-032(2013 Reference to APHA 5520B	
6	Free Ammonia (as NH ₀)	<0.02	0.02	mg/]	SLS 614 Appendix A: 2013	
7	Salinity	37	<u>.</u>	ppt	APIIA 2520	
	Heavy Metals					
8	Arsenic (as As)*	ND	0.001	mg/J		
9	Cadmium (as Cd)*	ND	0.0001	mg/l		
10	Lead (as Pb)*	ND	0.001	mg/l		
П	Mercury (as Hg)*	ND	0.00005	mg/t	CPSD-AN-00581-MTHD with	
12	Nickel (as Ni)*	ND	0.001	mg/l	ICP-MS	
13	Copper (as Cu)*	ND	0.001	mg/l		
Гđ	Zine (as Zn)*	0.003	•	mg/l		
!5	Chromium (as Cr)	ND	0.001	ന്നഇ/]		



Report No:

(7418)144-0214B(SL)

Jul 14, 2018

Page 3 of 4

Remark -

*ISO 17025 :2005 ACCREDITED TEST BY SRI LANKA ACCREDITATION BOARD FOR CONFORMITY ASSESSMENT (SLAB)

NOTE:

mg/l: milligrams per liter, ppl: parts per thousand, APIIA: American Public Health Association ND: Not Detected, LOQ: Limit of Quantification, NTU: Nephelometric Turbidity Units, "C : Celeius, ICP-MS: Inductively Coupled Plasma – Mass Spectroscopy.

Contact information for this report (Technical and General Inguiries and Feedback)

IROSHA UDUGAMPALA	1LL: +94 768 229 528	E-MAIL: Trosha.Udugampala@lk.bureauveritas.com
TECHNICAL INQUIRIES:		
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FEED BACK:		
DHANUKA PERERA – EXECUTIVE QHSE	TEL: +94 768 229 479	E-MAIL: dhanuka.perera@lk.bureauveritas.com

REVIEWED BY: SHYAMIKA WICKRAMASINGEE

BUREAU VERITAS CONSUMER PRODUCTS SERVICES LANKA (PVT) LTD.

AUTROFIZED STGNATORY

ADDROVED BY: INDRAUITH HATEURUSINCHA MANAGER-2000 LABORATORY



(7418)144-0214B(SL)

Jul 14, 2018

Report No:

Page 4 of 4

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13. Prote Condition The approxime scent form and/or spatial and the Record represent for only in the basis protection we wanted based and no maximum memory and a memory way as Contributing and consumption areased to exposed with protected to many other to multiple to the or the document shafted areas.

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TEST REPORT



(7418)144-0214C(SL)

Jul 14, 2018 Page 1 of 4

Applicant: Water Solutions (Pvt) Ltd.

Report No:

Address : Ma Fas Eri, 1^z Floor, Amoence Magu, Male, Male,

Attn: Mr. Aslam Mohamed/ Mr. Abdulla Fazeel

Sample Received as:

500ml x 2 No.s of water sample contained in sealed plastic bottles submitted by the client.

Sample Described by the Client as:

Thilafushi SW3 Date & time Sampled : 03/07/2018 at 08.00 a.m.

Date of Sample Received:	Jul 06, 2018
Date of Testing Started:	Jul 06, 2018
Date of Testing Completed:	Jul 13, 2018
Date of Report Issued;	Jul 14, 2018

Photo of the Submitted Sample



The control of this PDF file is in accordance with the original issued reports for reference only. For Two Report values be repreduced, carept to full, without prior writing generication of the company.

Horean Veritas Consumer Products Services Lanka (Pvt) Ltd. No. 570, Galo Road, Katoledda, Sr. Lanka. Tal : 19411) 2350111 Fax : 19411) 252219579 E-mail : thops lanks. Mk. Luveauver tack com (integers) givenessing and increases in protocols for them in their gauge static discussion and it. In protocols group weat the equation of a state of the protocol of the equation of the

CPS CONDITIONS OF SERVICE

The party that submits a completed service request form to Company or signs a quotation issued by the Company for he performance of services ("Services") is the **Clicol**" under these Conditions of Service. The entity within the Eureau Vertice Conditions Products Services division accepting the service request form and issuing the Report documenting the results of those Services is the **"Company**" under these Conditions of Service. Company within the Eureau Vertice Conditions of Services division accepting the service request form and issuing the Report documenting the results of those Services is the **"Company**" under these Conditions of Services. Company and Clicon ere, regetter, the **"Parties"** and each is a **Party**". A request for Services constitutes a logally binding agreement on both Parties when such a request is accepted by the Company (**"Agreement"**) under the following terms and conditions (contactively, **"Conditions"**):

1. Services, (e) The completion of the Services shall be deviced by the Company's isoting to Client a written report setting forth the results of the Services based upon the property accepted request, applicable protocols, written information, and where applicable, the product sample provided by Client to Company ("Report"). Company on a timely basis, all occurrence of all on a performance of an endition recessary to enable of Company of to an agent of subcontraction. (Item shall provide to Company on a timely basis, all occurrence of all on a performance of the Services to an affinite of Company of Io an agent of subcontraction. (Item shall provide to Company on a timely basis, all occurrence of all on a performance of the Services to an affinite of Company of a timely basis. (Item shall provide the Company on a timely basis, all occurrence of the Services that were not deallowed in the performance of performance of a performance of the Services (Item subcontraction) dependent provided in the performance of the Services (Item subcontraction) dependent to prove the Services (Item subcontraction) dependent and warrants to Company that it any product sample is not submitted in widelion of a hird partyle intellectual property rights; (i) Client with null use and rely upon Company's Report for any product whose properties differ from the sample(s) upon which the Report is haved; and (Item subcontraction) dependent performance of the type of uspection convector, wither secure of documents are entropy of the subcontraction of the type of uspection convector the spectre data, and (e) Client accepts are ensated in the Services and under the US Consumer Product Safety in provide the greater for the type of regulations. Client's responsibility and tability for accuracy shall apply even where Company has previ

2. Report. (a) The Propertshell () constitute the sole deliverable for the Services, (ii) relate solely to the facts and circumstances as observed and recorded by Company at the time of performance of the Services within the limits of written information and instructions received from Cient: Company shall have no obligation to update the Peport after the sevences within the limits of written information and instructions received from Cient: Company shall have no obligation to update the Peport after the sevences within the Services include testing or inspection: (i) the Report will set forth the lindings of Company solidy with respect to the product samples identified therein and (ii) the results set forth in the Report are not to be construed as indicative or representative of the cuality or characteristics of the fact and the attitude sample was taken for Company's performance of Services (b). The Head is toward solely by Company, is interded for the exclusive use of Cient and its attitutes and, accept as required by a regulatory body, she'll not be published. Used for advertising purposes, copied or replicated for the test and the attitutes and, accept as required by a regulatory body, she'll not be published. Used for advertising purposes, copied or replicated for the test on any third active withour Company's prior wither company, its affinates or employees as an exact in any proceeding of the Report. (e) Cient and the inductions producting or otherwise using the Beapert in any leader or advert in any proceeding without Company's prior within ecclesion. If Client and cipaces producing or otherwise using the Beapert in any lead and any in advert in any proceeding without Company's prior within each and accelering or otherwise using the Beapert in any leader and accelering the submitting the standard and recorded reg.

3. Representations and Warranties. (a) Company undertakes due care and ordinary skill or the performance of its Services. (b) Orient agrees that Company is instruction in source nor a guaranter and data not take the piece of Clarit or the third parties that it retains, including designers, manufacturers, agents, auyors, adstributors, and transportation or shipping companies; Company discipling at liability in such capacities. Client understands that, if it events to prove this of best definitions of these injury. It should obtain approache insurance. (c) Company des not warrant or guarantee. Client's produces, and Company's Report dues for (des not warrant) or guarantee. Client's produces, and Company's Report dues for (des not warrant) or guarantee. Client's produces, and Company's Report dues for (des not warrant) or guarantee.

4. Payment. Payment in full shell be due 30 days after the date of invoice, fulling which Company may revoke any credit extended to Client. Client shall remburse Gomeany for (i) Interest on overdue amounts from the due date and paid at an interest rate of 1.5% per month and (ii) any other costs Company neuron collacting pasticue emounts. Holiding Court altomeys and collection agencies fees.

5. Intellectual Property. The names iscrete merks, trademarks and oppyrights of Company and its sililistes (collectively, the "Marks") are and remain the sale procerty of Company and shall not be used by Otent - Otent is the collect line validity of the Marks or take any action that might import the value or poodwill associated with the Marks or the mage or reputation of Company or its attitudes. Otent understands that any information or earnables submitted to Company is a idense for Company or use the earns in the performance of Sorvices.

6. Relationship. (a) withing herein creates a partnership, agency or joint venture between the Pontes. (b) The failure to require shipt operativate on partomance of any provision of these Conditions shall not be construed to be a waiver of a Party's right to later require shipt observance and performance at the same. If any provision of these Conditions is held to be invalid or unenterceable, such invalidity shall not invalidate the remainder of the Conditions. (c) For a period of two years after the commandement of this Agreement. Client shall not cliently or indirectly trivial solid: for enablyment any of Company's employees.

7. INDEMNITY, CLIENT SI ALL HOLD FARMLESS AND INDEMNIE? COMPANY, ITS AFFILIATES, AND THEIR DESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, ACENTS AND SUBCONTRACTORS AGA NOT ALL THIRD-PARTY CLAIMS FOR LOSS, DAMAGE INJURY, DEATH, OF EXPENSE OF WHATEVER NATURE, INCLUDING DUT NOT LIMITED TO CLAIMS AND FROM OF RELATING TO (I) THE PERFORMANCH OF ANY SERVICES BY COMPANY. (II) THE SALE. TESALE, MANUFACTURE, DISTRIBUTION OF LISP OF ANY OF CHEND'S (SOODS OF (III) HREACH OF CHEND'S COMPANY. (II) THE SALE. TESALE, MANUFACTURE, DISTRIBUTION OF LISP OF ANY OF CHEND'S (SOODS OF (III) HREACH OF CHEND'S COMPANY. (II) THE SALE. TESALE.

B. LIMITATIONS OF LIABILITY. (A) COMPANY SHALL NOT BE LIABLE FOR ANY INDIFECT, CONSEQUENTIAL OR SPECIAL LOSS IN CONNECTION WITH THE REPORT, THE PHODIGLEOR WHICH SERVICES WERE PERFORMED, OR THE SERVICES PROVIDED BY COMPANY HEREUNDER. COMPANY SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE WHATSOEVER RESULTING FROM ANY DELAY IN THE PERFORMANCE OF ITS CBLIGATIONS HEREUNDER, OR FROM THE FAILURE OF COMPANY TO PROVIDE ITS SERVICES WITHIN ANY TIME PERFORMANCE OF ITS CBLIGATIONS HEREUNDER, OR FROM THE FAILURE OF COMPANY TO PROVIDE ITS SERVICES WITHIN ANY TIME PERFORMANCE OF ITS CBLIGATIONS HEREUNDER, OR FROM THE FAILURE OF COMPANY TO PROVIDE ITS SERVICES WITHIN ANY TIME PERFORMANCE OF COMPLET ON ESTIMATED BY COMPANY, REGARDLESS OF THE CAUSE OF THE DELAY (R) FAILURE. (B) THE PRITIEF FINANCIAL AND THERE I HABILITY OF COMPANY IN RESPECT OF ANY CLAIM FOR LOSS, INDEMNITY, CONTRIBUTION OF RAMAGE OF WHATEVER NATURE OF HOWSOFVER ARISING, SHALL NOT EXCEED AN AMOUNT EQUAL TO FIVE (S) THE ANCOUL OF FRESHID TO TOMPANY FOR THE SPECIFIC SERVICES WHICH GAVE BISE TO SUCH CLAIM.

9 Force Majoure. It any event of torse majoure or any event outside the control of Company occurs, Company may manouiately cancel or suspend its performance hereunder without incurring any liability whateever to Client.

10. Governing Law: These Canditions shall be governed by the laws of the country as follows, for Services performed in (1) the Americas, the laws of New York, (ii) Asia Pacific, South Asia, Middle East and Americas of Hong Kong (exception Online where PRC laws govern), and (1) Europe, the laws of Bigland,

11. Dispute Resolution. (a) If Client desires to assort a claim relating to the Sorvicas, is must submit the same to Company in writing softing torth with perfoculently the base for such plaim will in 90 days from discovery of the claim and not more than so months after the date of source of the Haport. Client waves any and all claims without limited on that it date not submit within such time periods. (b) if a dispute arises under this Agreement, the Parties shall list after priods that negotiations, failing which the Parties () agree that the country of the country of governing law shall have exclusive jurisuitation to settle any such dispute mitation to the Agreement end () inserted by we we their right to trial by jury in any such action or proceeding.

12. These Concilions, the applicable order form and/or quotation and the Report represent the entire uncerstancing of the Parties on the subject matter hereof, and no movification is binding unless in writing. Any at Clience forms and conditions attached to, enclosed with or referred to in any order rorm, purchase order, or other document shall not apply.

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Report No:

TEST REPORT

(7418)144-0214C(SL)

Jul 14, 2018

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TEST RESULTS

No.	Parameters	Results	LOQ	Unit	Test Method	
T	Temperature at Receiving	24.2		"C	APHA 20th Edition - 2550B	
2	Turbidity	0.1	-	NTC	АРНА 2130 В	
ų	pH at24℃*	8.4	-	v	FD-MRHD-007(2013 Reference to APHA 4500H+	
4	Nitrate (as NO ₁ *)	0.4		mg/l	APHA 4500 -NO← B	
5	Oil & Grease*	<2.0	2.0	ണ്ടു/]	FD-MTHD-032:2013 Reference to APHA 5520B	
ú	Free Ammonia (as NH))	<0.02	0.02	mg/l	SLS 614 Appendix A: 2013	
7	Salinity	37		ppt	APHA 2520	
	Heavy Metals					
8	Arsonie (as As)*	ND	0.001	mg/l	CPSD-AN-00581-MTHD with ICP-MS	
9	Cadmiun (as Cd)*	ND	0.0001	mg/l		
10	Lend (as Pb)*	ND	0.001	mg/l		
П	Mercury (as Hg)*	ND	0.00005	mg/t		
12	Nickel (as Ni)*	ND	0.001	mg/l		
13	Copper (as Cu)#	ND	0.001	mg/l		
14	Zinc (as Zn)*	0.004		mg/l		
15	Chromium (as Cr)	ND	0.001	mg/l		

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Report No:

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*ISO 17025 :2005 ACCREDITED TEST BY SRI LANKA ACCREDITATION BOARD FOR CONFORMITY ASSESSMENT (SLAB)

NOTE:

mg/l: milligrams per liter, ppt: parts per thousand, APHA: American Public Health Association ND: Not Detected, LOQ: Limit of Quantification, NTU: Nephelometric Turbidity Units, PC : Coleins, ICP-M5: Inductively Coupled Plasma - Mass Spectroscopy,

Contact information for this report (Technical and General Inquiries and Feedback) GENERAL INOURIES:

demenae indutries:		
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TECHNICAL INQUIRIES:		
INDRAJITH HATHURUSINGHA	TEL: + 94 769 603 814	E-MAIL: Indrajith.hs@lk.bureauveritas.com
FEED BACK:		
DHANUKA PLRERA - EXECUTIVE	TEL: +94 768 229 479	E-MAIL: dhanuka.perera@lk.bureauveritas.com
QHSE		

REVIEWED BY: SHYAMIKA NICKRAMASINGHE

BUREAU VERITAS CONSUMER FRODUCTS SERVICES LANKA (PVT) LIDE

AUTHORIZED SIGNATORY

APPROVED BY: JOINTH HATHURUSINCHA MANACER-FOOD LABOUATORY



Report No:

TEST REPORT

(7418)144-0214C(SL)

Jul 14, 2018

Page 4 of 4

EPS CONDITIONS OF SETUCE

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5. Recomplations and Warrantins on Company increases due care and controls y sold on the performance of as Services, p) down access that Company a network of white non-inductive of a state of the down induction of a state of the down of the do

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TEST REPORT



(7416)144-0214D(SL)

Jul 14, 2018 Page 1 of 4

Applicant: Water Solutions (Pvt) Ltd.

Report No:

Address : Ma Fus Eri, 1^{er} Floor, Ameenee Magu, Male, Maldives,

Atin: Mr. Aslam Mohamed/ Mr. Abdulla Fazzel

Sample Received as:

500ml x 2 No.s of water sample contained in scaled plastic bottles submitted by the client.

Sample Described by the Client as:

Thilafushi SW4 Date & time Sampled : 03/07/2018 at 08.15 a.m.

Date of Sample Received:	Jul 06, 2018
Date of Testing Started:	Jul 06, 2018
Date of Testing Completed:	Jul 13, 2018
Date of Report Issued:	Jul 14, 2018

Photo of the Submitted Sample



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Bureou Veritas Consumer Products Services Lanka (Pvt) Ltd. No. 570, Calle Pred, Kalubedoa, Sri Lanka. Tel. (84-11) 2550111. Fax: 194-11) 28221987/8 E-meil : byopalarka Wiktowsovertas.com

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CPS CONDITIONS OF SERVICE.

The party that submits a completed service request term to Company or signs in quotation issued by the Company for the performance of services ("Services") is the "Client" under these Conditions of Service. The emity within the Porasu Ventos Consumer Products Services divelop eccepting the service request form and escong the Report occurrenting the results of these Services is the "Company" uncer these Conditions of Service Together, the Parties' and each is a 'Perty'. A request to Services constitutes a legally timping agreement on oth Perties when such a request is accepted by the Company ("Agreement") under the following terms and contribute (collectively, "Conditions").

1. Services. (a) The completion of the Services shall be evidenced by the Company's issuing to Client a written report setting forth Via results of the Services (applicable protocols, written internation, and where applicable, the product sample provided by Client to Company (Report). Company may delegate/assign the performance of all or a portion of the Services to an affiltate of Company or to an agent or subcentrateor. Client shall are de to Company or a timely base, all documents and information necessary to antiche Company perform the Services. Company may, in the Services of performance of all or a portion of the Services to an affiltate of Company or to an agent or subcentrateor. Client shall are de to Company on a timely base, all documents and information necessary to antiche Company performance of performance of the Services (b) Client represents and warrants to Company that (i) each product sample is not submitted in violation of a trind party's interfectual ormation goed and client whose property is reported for any order whose properties differ from the services (b) Client accepts allocations and (ii) each product whose properties date, and (b) and (c) each product whose properties date and (c) Client accepts and (c) and (c) and (c) client will accuracy of documents under the regulations, including cartificates of company and (c) client and (iii) and liability for the accuracy of documents and the regulations. Client's responsibility and liability for accuracy shall apply even where Company is product base provided for the specified date and (c) Client accuracy and regulations where regulations. Client's responsibility and liability for accuracy shall apply even where Company has provided eact and to provide accuracy and is all for the performance of the regulations. Client's responsibility and liability for accuracy shall apply even where Company has provided easistences in Client's responsibility and liability for accuracy shall apply even where Company has provided accuracy in Client's respon

2. Report. (a) The Report shall (i) constitute the sole deliverable for the Services, (ii) releval solely to the facts and circumstances as observed and recorded by Company at the time of ophermance of the Services within the limits of written information and instructions received from Cient; Company shall have no obligation to update the Report after its issuance. Where the Services include testing or habitation: (i) the Poport with set forth the limits of Company solely with respect, of the product samples identified therein and (ii) the results set forth in the Report are not to be construed as indicative of materials and observed and recorded by with respect, of the product samples identified therein and (ii) the results set forth in the Report are not to be construed as indicative of materials, we of the quality of characteriatives of the island set of the and (iii) the results set forth in the Report are not to be construed as indicative of materials, we of the quality of characteriatives of the island set of the anti-sample was taken for Company's particulations. (b) The Report is issued set is affiliated and write and its affiliates and, accept as required by a regulatory body, shall not be published. Used for advertising outpoace, copied or replicated for derivative data of the definition of particles and write a company's prior written consent. (c) Grint shall not request a Heport for partness of fligation, nor shall the Company. Is affiliated for the any tord party inferentiation or publication or publication are publication or publication and publication or publication or publication and written and partness of fligation, nor shall the Report in any request as in expert in any proceeding or therwee using the Report for an expert or any proceeding or the written company's prior written company, its affiliates or employees as an expert in any proceeding or the written company's prior written company, its affiliates or employees as an expert in any proceeding or therwee using the Report in any legal

3 Representations and Warranties. (a) Company undertakes due care and ordinary skill in the performance of its Survices. (b) Client agrees lits: Company is neither an insurer run a guaranton and does not take the clade of Client of the third parties that it retains, including dusigners, manufactures, spents, buyers distributors, and transportation or shoping companies. Company cleolalme et litebility in such capacities. Client understands that, if it seeks to protect lite the distributors, and transportation or shoping companies. Company cleolalme et litebility in such capacities. Client understands that, if it seeks to protect lite if hom distributors, drives, damage of rguy, it should obtain appropriate insurance. (c) Company does not warrant, or guarantee Client's products, and Company's Report does not represent a warrenty of merchantability, a warranty of thous for a particular purpose, or any other warranty or guarantee.

4. Payment: Payment in full shall be due 20 days after the use of involve, failing which Company may revoke any tredit extended to Client. Client shall remains Company for (i) interest on evencue amounts from the audidate until paid at an interest rate of 1.5% per manth and (ii) any other costs Company incurs in cafecting past due amounts, including court attorneys and callection agencies' fees.

5. Initial extra a property. The names, service marks, trademarks and copyrights of Company and its affiniates (collectively, the "Marke") are and remain the sole property of Company and shell not be used by Otem. Client shell not contest the validity of the Marke arry action that might impair the value or goodwill associated with the Marke or the image or reputation of Company in attituates. Client understands that any information or samples submitted to Company is a likense for Company to use the same in the performance of Sam cost.

E. Relationship (a) Nothing here n oreates a partnership, agency or join, venture between the Perflee. (b) The follow to require strict observance of partnership any provision of these Canditions shall not be carectured to be a waiver of a Party's right to later require strict observance of the same. Tany any sign of these Canditions is held to be invalid or anentorceable, such invalidity shall not invalidate the remainder of the Canditions. (c) For a period of two years after the commencement of this Agreement. Cient shall not deally or indirectly try to soler for employment any of Company's employees.

7. INDEMNITY, QUENT SPALL HOLD HARMLESS AND INDEMNIEY COMPANY, ITS AFFILIATES, AND THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, AGENTS AND SUBCONTRACTORS AGAINST AL. THIRDPARTY CLAIN'S FOR LOSS, DAMAGE, NJUDY, DEATH, OR EXPENSE OF WHATEVER NATUHE, INDITIONS BUT NOT TIMITED TO CLAIMS AR SING FROM OR RELATING TO (I) THE PERFORMANCE OF ANY SERVICES BY COMPANY, IN THE SALE, HESALE, MANUFACTURE DISTRIBUTION OR USE OF ANY OF CLIENT'S GOODS OR (III) BHEACH OF CLIENT'S OBLIGATIONS OF WARRANTIES HEREIN.

8. LIMITATIONS OF LIABILITY, (A) COMPANY SHALL NOT BE LIABLE FOR ANY INDIRECT, CONSEGUENTIAL OR SPECIAL LOSS IN CONNECTION WITH THE REPORT, THE PRODUCT FOR WHICH SERVICES WERE PERFORMED, OF THE SHAVICES PHOVIDED BY COMPANY HEREUNDE. COMPANY SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE WHATSOFVER RESULTING FROM ANY DELAY IN THE PERFORMANCE OF ITS COLLICATIONS HEREUNDER OR FROM THE FAILURE OF COMPANY TO PROVIDE HIS SERVICES WITHIN ANY TIME PERIOD FOR COMPLETION ESTIMATED BY COMPANY, REGARDLESS OF THE CAUSE OF THE DELAY OR FAILURE. (B) THE ENTITE FINANCIAL AND FOR COMPLETION OF COMPANY IN RESPECT OF ANY CLAIM FOR THE CAUSE OF THE DELAY OR FAILUPE. (B) THE ENTITE FINANCIAL AND FOR THE BAILURE OF COMPANY TO PROVIDE ITS SERVICES WITHIN ANY TIME PERIOD FOR COMPLETION ESTIMATED BY COMPANY, REGARDLESS OF THE CAUSE OF THE DELAY OR FAILUPE. (B) THE ENTITE FINANCIAL AND FOR THE BAILURE OF COMPANY IN THE DELAY OR FAILUPE. (B) THE ENTITE FINANCIAL AND FOR THE BAIL TO HAVE A DELAY OR FAILUPE. (B) THE ENTITE FINANCIAL AND FOR THE AND FOR THE AMOUNT OF FEES PAID TO COMPANY FOR THE SPECIFIC SERVICES WHICH GAVE HISE TO SUCH DATE OF SPECIFIC SERVICES WHICH GAVE HISE TO SUCH DATE OF SPECIFIC SERVICES WHICH.

9. Force Majeure. If any event of force majeure or any event outside the control of Company occurs, Company may immediately cancel or suspend its performance hereunder without incurring any fability whatspevents Otent.

10. Governing Law, These Conditions shall be governed by the lews of the country as follows: for Services performed in (i) the Americale, the 'awa of New York, (ii) As a Pacific, South Asia, Middle Faat and Afdes; the lews of Hong Kong (except for China where PRC laws govern), and tim Europe, the lews of England

11. Dispute Resolution. (a) If Client desires to assert a claim relating to the Services, it must submit the same to Company in writing setting forth with particularity the basis for such claim within 90 days from discovery of the claim and not more than six in online aller the date of issuance of the Report. Client waives any and all claims without limitation that it does not submit within such time particely. (b) If a dispute steam index the Agroement, the Partice shall first attempt good faith negotiations, falling which, the Partice () agree that the counts of the Country of governing law anell have exclusive jurisdiction to soble any such dispute related to this Agreement and (i) inevocably waive their tight to the by long then any such added and according.

12. Lease Conditions, the applicable order from and/or quatation and the Heport represent the entire understanding of the Subject metter hereot, and no modification is hinding unless in writing. Any of Client's terms and conditions attached to, enclosed with or referred to in any order form, purchase order or other document shall not apply.

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(7418)144-0214D(SL)

Jul 14, 2018

Report No:

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TEST RESULTS

No.	Parameters	Results	LOQ	Unit	Test Method	
1	Temperature at Receiving	24.2	-	"C	APHA 20th Edition 2550B	
2	Turbidity	0.2	2	NTU	АРНА 2130 В	
٦	pH at 24"C*	8.4	-	-	FD-MTHD-007:2013 Reference to APHA 450011+	
4	Nitrate (as NO2)	0.4		mg/l	APHA 4500 - NO3 E	
5	Oil & Grease*	<2.0	2.0	mg/l	PD-MTHD-032:2013 Reference to APHA 5520B	
6	Free Ammonia (as NH3)	<0.02	0.02	aug/l	SLS 614 Appendix A; 2013	
7	Salinity	37	-	ppt	APILA 2520	
	Heavy Metals					
8	Arsenic (as As)*	ND	0.001	mg/l	CPSD-AN-00584-MTHD with ICP-MS	
9	Cadmium (as Cd)*	ND	0.0001	mg/l		
н	Lead (as Pb)*	ND	0.001	mg/l		
i I	Moreory (as Hg)*	ND	0.00005	mg/l		
12	Nickel (as Ni)*	ND	0.001	nıg/l		
13	Copper (as Cu)*	ND	0.001	mg/l		
14	Zinc (as Zn)*	ND	0.001	mg/l		
15	Chrumium (as Cr)	ND	0.001	ույ/լ		



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Report No:

Remark –

FISO 17025 :2005 ACCREDITED TEST BY SRI LANKA ACCREDITATION BOARD FOR CONFORMITY ASSESSMENT (SLAB)

NOTE:

mg/l: milligrams per liter, ppt; parts per thousand. APIIA: American Public Health Association ND: Not Detected, LOQ: Limit of Quantification, NTU: Nephelometric Turbidity Units, °C : Celcius, ICP-MS: Inductively Coupled Plasma - Mass Spectroscopy.

Contact Information for this report (Technical and General Inquiries and Feedback)

GENERAL INQUIRIES:		
IRUSHA UDUGAMPALA	TEL: +94 768 229 528	E-MAIL: Trosha.Udugampala@ik.bureauveritas.com
TECHNICAL INQUIRIES:		
INDRAJITH HATHURUSINGHA	TEL: + 94 769 603 814	E-MAIL: Indrajith.hs@lk.bureauveritas.com
FEED BACK:		
DHANUKA PERERA – EXECUTIVE QHSE	TLL: +94 768 229 479	E MAIL: dhanuka.perera@lk.bureauveritas.cum

REVIEWED BY: SHYAMIKA WICKRAMASINGHE

BURDAU VERITAS CONSUMER PROBUCTS SERVICES LANKA (PVT) LTD.

AUTHORIZIES SIGNATORY

APPROVED BY:

TE HATHURDS (NGJA MANAGER FOOD LAPORATORY



(7418)144-0214D(SL)

Jul 14, 2018

Report No:

Page 4 of 4

CPS CONDITIONS OF SERVICE

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3. Neurosteriol/una cud Warwarsen, (c) Company unconsus des caus era ou reny MR e die performents of the Statester, (b) C-m, egates Del Company in notice en erage nor in guerrande and des not use ou proce of Cerel or ne non parses trait if reach, incuring backgrad, enhanced and back of the Statester in a state on the traited and the statester in a state of the Statester in a statester in a state of the Statester in a state of the Statester in a statester in a state of the Statester in a statester in a state of the Statester in a statester in a state of the Statester in a statester in a state of the Statester in a state of the Statester in a statester in a

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B UNIFATIONS OF LIADILITY, JAJ COMPARY SHALL WOT RE UNALE FOR ANY INTERFOL, CONSEQUING/AN OR SARCIA, LOSS IN CONNECTION WITH THE REPORT. THE PRODUCT FOR WHOLE SERVICES WERE PERPENDING OF THE SERVICES PROVIDED BY COMPANY LOSS IN CONNECTION COMPANY SHALL NOT RELIASTS FOR THE FAILURE OF COMPANY TO PROVIDE RESULTION HOW ANY USEAT IN THE TRANSMANCE OF THE UNIFATIONS INFOLMED AND FOR THE FAILURE OF COMPANY TO PROVIDE THE SERVICES WATH ANY THE PROVIDED FOR COMPANY OF COMPANY SHALL NOT RELIASTS FOR THE FAILURE OF COMPANY TO PROVIDE THE SERVICES WATH ANY THE PROVIDED FOR COMPANY USE MARCINS INFOLMED AND FOR THE FAILURE OF COMPANY TO PROVIDE THE SERVICES WATH ANY THE PROVIDED FOR COMPANY COMPANY IN REPORT OF FROM THE FAILURE OF THE CONFIRMING OF THE SERVICES WATHER FUNCTION AND DISAL THRUTH OF COMPANY IN REPORT OF FROM THE FAILURE OF THE CONFIRME OF THE DELETION COMPANY IN REPORT OF FROM THE FAILURE OF THE CONFIRMENCE OF DELETION COMPANY IN REPORT OF FROM THE FAILURE OF THE CONFIRMENCE OF ANY THE PROVIDE TO THE PROVIDED AND DISAL THRUTH OF COMPANY IN REPORT OF ANY THE FAILURE OF THE CONFIRMENCE OF THE DELETION OF DESCRIPTION OF DESCRIPTIONS OF DESCRIPTIONS AND THE PROVIDED OF COMPANY AND THE FAILURE OF THE AND THE DELETION OF DESCRIPTION OF DESCRIPTIONS OF THE SERVICES WATH ANY WICE TO SUCH CLARK

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11. Divide e Possibilition fail 1 (Neal powers to ensure a permission to the Services E-mail outers for unner to Concerny in serving some processing to the service of t

17. Team Contribution the Spheric is the four proton and on and the Report reserved the only proton basis of the Tables on the second restored and no configuration of the Tables on the second restored and no configuration of the Tables of the Particle and the Control of the School of the Tables of the Tabl

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END OF THE REPORT.



TEST REPORT



(7418)144-0214E(SL)

,hul 14, 2018

Page 1 of 4

Applicant: Water Solutions (Pvt) Ltd.

Address : Ma Fas Eri, 1st Floor, Ameence Magu, Male, Maldives.

Report No:

Attn: Mr. Aslam Mohamed/ Mr. Abdulla Fazeel

Sample Received as:	500ml x 2 No.s of water sample contained in scaled plastic bottles submitted by the client.
Sample Described by the Client as:	Thilafushi SW5 Date & time Sampled : 03/07/2018 at 08.30 a.m
Date of Samplo Received:	Jul 06, 2018
Date of Testing Started:	Jul 06, 2018
Date of Testing Completed:	Jul 13, 2018
Date of Report Issued:	Jul 14, 2018

Photo of the Submitted Sample



The content of this FDB IIIe is to accordence with the original lawsti reperts for universes only. This Text Report cannot be reproduced, except in this, without prior writing permission of the company.

Rureau Veritas Consumer Products Services Lanka (Pvt) Ltd. No. 570, Gale Road, Kalubedca, Sti Lonka. Tal : (9411) 2350111 Faz.: (9411) 262219879 E-mail: Evops Janka & Koureauverto accom End the state of stat

CPS CONDITIONS OF SERVICE

The bady that submits a completed service request form to Company or signs a quotation issued by the Company for its performance of services ("Services") is the "Chart" under these Conditions of Service. The entity within the Bureau Veritas Consumer Products Services division accepting the service request form and soring the Hepot doctmenting the results of these Services is the "Company under these Conditions of Service. Company and Client \$79, together the "Parties" and cach a a "Party". A request to Services constitutes a legally binding agreement on both Parties when such a request to accepted by the Company ("Agreement") under the following ferms and conditions (collectively, "Conditions"):

1. Services, (a) The compation of the Services shall be evidenced by the Company's taking to Diant a written report setting toth the results of the Services based upon the property accepted request applicable protocols, written information, and where explicible, the product samale protocols by Cient to Company ("Report"). Company may be egate/assign the performance of all or a performance of the Services to an atfiliate of Company or to an egent or subcontractor. Cient shall provide to Company on a timely basis, all documents and information necessary to enable Company to properly performing of the Services. Company may, in its solar distortion, dispose of product samples functed to Company for the Services that were not destrayed in the course of performance of the Services. (b) (Diant represents and requests and the property in the Services that were not destrayed in the docurse of performance of the Services. (b) (Diant represents and werenits to Company total (i) each product sample is not scientized in violation of a unit party's intellectual property rights. (ii) Cient, will not use and requirements to Company the total product sample of the services different the sample(s) upon Company's Report for any product, whose properties differ from the service) and (c) Gient accepts sole responsibility and liability for the properties and werenits and to government of other equilatory bodies, including certificates of company and the US Company and grave the disters of the US company of documents and the US context Period. Sole to the global property bodies, including certificates of company and the US company and product sample is not example in the second (c) Gient accepts sole responsibility and liability for the accuracy of documents and to government of other equilatory bodies, including certificates of company and the US company has product assistance to Ciencin accepts apprending the to company that product accuracy shall apply even where Services are domained to company and a accuracy shall apply even whe

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4. Payment. Payment in full shall be due 30 days after the date of involve, telling which Company may revoke any credit extended to Client. Client shall reimburse Company for (i) interest on overfue amounts from the due cells until paid at an interest rate of 1.5% per month and (i) any other costs Company nours in collection agencies tees.

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7. INDEMNITY: CUENT SHALL HOLD HARMLESS AND INDEMNIFY COMPANY, ITS AFFILIATES, AND THEIR HESPECTIVE DIRECTORS, OFFIC/HS, EMPLOYEES, AGENTS AND SUBCONTRACTORS AGAINST ALL THIRD-PARTY CLAIMS FOR LOSS, DAMAGE, INJURY, DEATH, OR EXPENSE OF WITATEVER NATURE, INCLUDING BUT NOT UNITED TO CLAIMS ARISING FROM OR RELATING TO (I) THE PERFORMANCE OF ANY SERVICES BY COMPANY, (II) THE SALE, HESALE, MANUFACTURE, DISTRIBUTION OF USE OF ANY OF CLICNT'S GOODS OR (II) BREACH OF CLIENTS OFLICATIONS OR WARRANTIES HEREIN.

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9. Force Majaure, if any event of lords majours or any event outside the control of Company occurs, Company may immediately cancel or suspenuits astrometric heredocer without incurring any liability whatsprover to Glant

10. Governing Law, These Conditions shall be governed by the laws of the country as follows: for Services performed in (i) the Americas: the laws of New York, (ii) Asia Paofin, South Asia, Middle East and Alrica, the laws of Hong Kong (exception China where PHC laws govern), and (iii) Europe: the laws of Hong Kong (exception China where PHC laws govern), and (iii) Europe: the laws of Hong Kong (exception China where PHC laws govern), and (iii) Europe: the laws of Hong Kong (exception China where PHC laws govern), and (iii) Europe: the laws of Hong Kong (exception China where PHC laws govern) and (iii) Europe: the laws of Hong Kong (exception China where PHC laws govern) and (iii) Europe: the laws of Hong Kong (exception China where PHC laws govern) and (iii) Europe: the laws of Hong Kong (exception China where PHC laws govern) and (iii) Europe: the laws of Hong Kong (exception China where PHC laws govern) and (iii) Europe: the laws of Hong Kong (exception China where PHC laws govern) and (iii) Europe: the laws of Hong Kong (exception China where PHC laws govern) and (iii) Europe: the laws of Hong Kong

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12. These Contitions, the explicable order form and/or quotation and the Report represent the entry understanding of the Parties on the subject matter hereet, and no modification is binding unless in willing. Any of Client's terms and conditions attached to, enclosed with or referred to in any order form, purchase order or other document shall not apply.

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Report No:

TEST REPORT

(7418)144-0214E(SL)

Jul 14, 2018

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TEST RESULTS

No.	Parameters	Kesults	1.0Q	Unit	Test Method	
Ι	Temperature at Receiving	24.2	S=()	°C	APHA 20th Edition - 2550B	
2	Turbidity	0.3		NTU	APHA 2130 B	
3	pH_at24"C*	8.4	•	2	FD-MTHD-007:2013 Reference to APHA 4500111	
4	Nitrate (as NO ₃ ')	0.5	-	mg/l	APHA 1500 - NO - E	
s	Oil & Grease*	<2.0	2.0	mg/l	FD-MTHD-032:2013 Reference to APHA 5520B	
6	Free Ammonia (as NH ₄)	0.05	142	mg/l	SUS 614 Appendix A: 2013	
7	Salinity	36		ppt	APILA 2520	
	Heavy Metals					
8	Arsenic (as As)*	ND	0.001	mg/l	CPSD-AN-00581-MTHD with ICP-MS	
9	Cadmium (as Cd)*	ND	0.0001	mg/l		
10	Leud (as Pb)*	ND	0.001	mg/l		
11	Mercury (as Hg)*	ND	0.00005	mg/l		
12	Nickel (us Ni)*	ND	0.001	nıg/l		
13	Copper (as Cu)*	ND	0.001	mg/i		
14	Zinc (as Zn)*	ND	0.001	mg/l		
15	Chromium (as Cr)	ND	0.001	mµ/l		



(7418)144-0214E(SL)

Jul 14, 2018

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*ISO 17025 :2005 ACCREDITED TEST BY SRI LANKA ACCREDITATION BOARD FOR CONFORMITY ASSESSMENT (SLAB)

MOTE:

Report No:

Remark -

mg/l: milligrams per liter, ppt: parts per thousand, APHA: American Public Health Association ND: Not Detected, LOQ: Limit of Quantification, NTU: Nephelometric Turbidity Units, SC : Celoius, ICP-MS: Inductively Coupled Plasma – Mass Spectroscopy:

Contact Information for this report (Technical and General Inquiries and Feedback)

IROSHA UDUGAMPALA	TFL: +94 768 229 528	E-MAIL:	
INSSER OD OARMITAER	1112. 494 703 723 370	Irosha.Udugampala@lk.bureauveritas.com	
TECHNICAL INQUIRIES:			
INDRAJITH HATHURUSINGHA TEL: + 94 769 603 814		E MAIL: Indrajith.hs@lk.bureauveritas.com	
FEED BACK:			
DHANUKA PERERA EXECUTIVE	TEL: +94 768 229 479	E-MAIL: dhanuka.perera@lk.bureauveritas.com	
OHSE			

REVIEWED BY: SHYAMIKA WICKRAMASINGDE

BUREAU VERITAS CONSUMER PRODUCTS SERVICES LANKA (PVT) LTD.

AUTHORIZED SIGNATORY

APPROVED BY MANAGER

FOOD LABGRATORY



Report No:

TEST REPORT

(7418)144-0214E(SL)

Jul 14, 2018

Page 4 of 4

CPS CONSTRONS OF BETWICE

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S Intellectual Property. The manes, service methy codenants and occurrythe of Consumption & Markov, soft-Avety, the Markov is and nervice method by property of Consumptions of the Markov is and nervice of Consult and the Markov is the Consult of the Markov is a consult of the Markov is the Consult of the Markov is a consult of the Markov is a

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11. Descess Resolution (a) 3 Card bester (a stand a stand referring to the Services in must submit by service for Company, or string service particularly the basis for which can which 50 days from descent of the card card may be according to the string service and service a

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END OF THE REPORT.



TEST REPORT



(7418)144-0214F(SL)

Jul 14, 2018 Page 1 of 4

Report No:

Applicant: Water Solutions (Pvt) Ltd.

Address : Ma Fas Eri, 1⁴ Floor, Ameenee Maga, Male, Maldives.

Atta: Mr. Asiam Mohamed/ Mr. Abdulia Fazeel

Sample Received as:

500ml x 2 No.s of water sample contained in sealed plastic bottles submitted by the client.

Sample Described by the Client as:

Thilafushi SW6 Date & time Sampled : 03/07/2018 at 07.15 a.m.

Date of Sample Received:	Jul 06, 2018
Date of Testing Started;	Jul 06, 2018
Date of Testing Completed:	Jul 13, 2018
Date of Report Issued.	Jul 14, 2018

Photo of the Submitted Sample



The continent of this 1901 the is to recerci suce with the original issued reports for reference only. This Test Report consult in report nonly, eacy tin fail, without prior written permission at the company.

Borean Veritas Consumer Products Services Lanka (Pvt) Ltd. No. 570, Gabelload, Kahihedda, Shitania Tel. (94/1) 2350111 Fax: (9411) 2622/3679 E-mail : bycpaterka@k bureauser tea.com

The same - gave version as the supported in the functions of finite part and shall be do as back one of the same that is a start in the formation of the same transmission of the same transmission

CP5 CONDITIONS OF SERVICE.

The party that submits a completion service request form to Company or signs a cuplation issued by the Company for its participant of story desi("Services") is the "Client" under these Conditions of Service. The antity within the Bureau Verilee Consumer Products Services Rivkion accepting the service request form and eating the Report documenting the results of those Services is the "Company under these Conditions of Services" and Client are, experies, the "Parties" and each else "Party". A request for Services a legally binding agreement on both Parties when such a request is accepted by the Company ("Agreement") under the following ferms and conditions (collective), "Conditions"):

1. Services. (a) The completion of the Services shall be evidenced by the Company's issuing to Client a written report setting forth the Feet/ts of the Services upon the property accepted request inpatroable performance of all or a particle of the Services to an allitiate of Company or to shape provided by Client to Company ("Report"). Company may delegate/assign the performance of all or a particle of the Services to an allitiate of Company or to shape provided by Client to Company ("Report"). Company may delegate/assign the performance of all or a particle of the Services to an allitiate of Company or to shapen to subclassing the performance of all or a particle of the Services to an allitiate of Company or to structure Company in structure Company on a briefly passis, all documents and information recessary to enable Company to property perform the Services. Company in its safe descelland, bispection product campony that () each product cample is not submittee in violation of a shift part/* intercent and the Services. (b) Client represents and warants to Company that () each product cample is not submittee in violation of a shift part/* intercent property ingles. (i) Client will not use and evidence of particle of the services that the services and warants to Company that () each product cample is not submittee in violation of a shift part/* intercent property ingles. (ii) Client will not use and evidence y upon Company that () each product cample is not submittee in violation of a shift part/* intercent and (ii) any goode subject to Inspection will be company with the company of the services of respectively and liability or the services of company will be company and will be company and induction be applied of the service of intercent and the service of the service of

2. Report. (a) The Report shall (i) constitute the solid activate for the Services, (ii) relate solely to the facts and drout stances as observed and recorded by Company at the time of performance of the Services within the limits of written internation and instructions received from Cient; Company shall have no abligation to update the Report after its issuance. Where the Services include testing or inspection: (i) the Report will set forth the lindings of Company solely with respect to the product samples identified therein and (ii) the results set forth in the Report are not to be construed as indicative or representative of the quality or characterialize of the lot from which a product sample was taken for Company's performance of Services. (b) The Report is issued shelp by Company, is interpreted for the exclusive using the attribute or using the regulatory pedy, shall not be published, used for distribution or publicly disclosed without Company's performance of Services. (b) The Report is for any third performance is allitates and, except as required by a regulatory pedy, shall not be published, used for distribution or publicly disclosed without Company's performance of services are reported and the report and the Report is not as possible with the Company's performance of services. (b) The Report is used for distribution or publicly disclosed without Company's performance of services as an expert in any process of Illigation, for shall hist Company is not responsible for any third performance of proceeding, it shall be update for distribution compares as an expert in any process of Illigation, for shall hist Company is proceeding, it shall be update any proceeding, without Company's performance of performance of proceeding, it shall be update and the proceeding.

3. Representational and Warranties. (a) Company undertakes due care and extinary skill in the performance of its Services. (b) Clent agrees that Company is resilten an incoremonial guaramoniand does not take the place of Clent on the third parties that it retains, including designers, manufactorers, agents, buyers, distributors, and transportation or shipping companies; Company disdaims all liability in such capacities. Clent understands that, if it seeks to protect tee/ from claims of loss, damage or injury, it should obtain appropriate incurance. (c) Company does not represent a warranties Clent's products, and Company's Report does not represent a warranty of merchantability, a warranty of Illnese for a particular purpose, or any other warranty or guarantee.

4. Payment: Payment in full shall be due 30 days after the date or involve italing which Company may revoke any credit extended to Olient shall reimburse Company for (i) interest on exercise amounts from the due date until balls at an interest the of 1.5% per month one (ii) any other costs Company incurs in calleding past due amounts, including court, altomays and collection againeds' tres.

5. Intellectual Property The nomes, service marks, inscenarios and opyrights of Company and its affiliates (collectively, the "Marks") are end remain the sofe property of Company and shall not be used by Client. Client shall not correct one validity of the Marks or take any action that might impair the value or goodwill associated with the Marks or take any action that might impair the value or goodwill associated with the Marks or take any information or samples submitted to Company tale likense for Company to use the same in the performance of Services.

5. Belationship. (a) Nothing here in creates a partnership, agancy or joint venture between the Parties. (b) the failure to require strict observance or performance of any provision of these Conditions shall not be constructed to be evolver of a Party's right to after inguire strict observance and performance of any provision of these Conditions shall not be constructed to be evolver of a Party's right to after inguire strict observance and performance of the same. If any anoxision of these Conditions is held to be invalid or unenformable, such invariately shall not invalidate the remainder of the Conditions. (c) For a period of two years after the commencement of this Agreement, Client shall not directly an induced by try to salid for employment, any of Company's employees.

7. INDEMNITY CUENT SHALL HOLD HARIVLESS AND INDEMNITY COMPANY, ITS AFFILIATES AND THEIR RESPECTIVE DIRECTORS, OFFICERS, EMHLOYFES, AGENTS AND SUBCONTRACTORS AGAINST ALL THIRD-PARTY CLAIMS FOR LOSS, DAMAGE, INJURY, DEATH, OR EXPENSE OF WHATEVER NATURE, INCLUDING BUT NOT UNITED TO CLAIMS ARISING FROM OF RELATING TO (I) THE PERFORMANCE OF ANY SERVICES BY COMPANY, (II) THE SALE. RESALE, MANUFACTURE, DISTRIBUTION OF USE OF ANY OF CLIENT'S GOODS DR (III) RHEADE DE CUENT'S OBLIGATIONS OR WARRANTIES FROM DE CUENT'S

6. LIMITATIONS OF LIABILITY. (A) COMPANY SHALL NOT BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL OR SPECIAL LOSS IN CONNECTION WITH THE REPORT. THE PRODUCT FOR WITHIN SERVICES WERE PERFORMED, OR THE SERVICES PROVIDED BY COMPANY I DREUNDER. COMPANY SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE WITHSOEVER RESULTING FROM ANY DELAY IN THE PERFORMANCE OF ITS OBJIGATIONS HEREUNDER OF FROM THE FAILURE OF COMPANY TO PROVIDE ITS SERVICES WITHIN ANY TIME PERFORMANCE OF ITS OBJIGATIONS HEREUNDER. ON THE PERFORMANCE OF THE CAUSE OF THE DELAY OF FAILURE. (B) THE ENTIRE FILLING FROM THE FEDERAL LOSS IN COMPLETION FROM THE PERFORMANCE OF THE DAUGE OF THE DELAY OR FAILURE. (B) THE ENTIRE FILLING FROM THE FOR AND LEGAL THE DAUGH AND LEGAL THE DELAY OR FAILURE. (B) THE ENTIRE FILLING FROM THE FOR AND LEGAL THE COMPANY IN THE PERFORMANCE OF THE DELAY OR FAILURE. (B) THE ENTIRE FILLING FROM THE FOR AND LEGAL THE DELAY OR FAILURE. (B) THE ENTIRE FILLING FROM THE FOR AND LEGAL THE DELAY OR FAILURE. (B) THE ENTIRE FILLING FROM THE FOR AND LEGAL THE DAUGH AND LEGAL THE DELAY OR FAILURE. (B) THE FUNCTION AND LEGAL THE DIRECTION FROM THE DELAY OR FAILURE. (B) THE FUNCTION AND LEGAL THE DELAY OR FAILURE OF WHATEVER NATURE OR HOWSOEVER ARISING, SHALL NOT HEREFULL FOR AND LEGAL TO FIVE (S) TIMES THE AMOUNT OF FEES PAID TO COMPANY FOR THE SPECIFIC SERVICES WHICH GAVE R.SE TO SUCH CLAIM.

8. Force Majeure. If any event of force majoure or any event outside the control of Company desurs, Company may immediately cance, or suspend its performance hereunder without incurring any liability whatsnever to Cient.

10. Governing Law, These Conditions shall be governed by the laws of the country as follows: for Services performed in (i) the Americas, the laws of New York, (ii) Asia Pacific, South Asia, Middle East and Alica, the laws of Hong Kong (except for China where PRC laws govern), and till Europe, the laws of England,

11. Dispute Resolution. (a) In Crent degree to essent a cleim relating to the Services, it must submit the same to Company in writing setting torth with particularity the basis for such claim within 90 days from discovery of the Calm and not more than all months effect the date of sevence of the Haport. Clearly we version and all claims without limited on that if does not submit within such time periods. (b) it a dispute class under this Agreement, the Parties shall dust allocated to the country of governing law shall have exclusive jurisection to settle any such dispute related to this Agreement and (ii) inevocably wave their right to trial by jury in any such action or proceeding.

12. These Conditions, the applicable order form and/or quotation and the Report represent the entire unceretanding of the Parties on the subject matter hereoi, and no modification to binding unless in writing. Any of Client's terms and conditions attached to, enclosed with or referred to in any order form, purchase order or other document shall not apply.

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Jul 14, 2018

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TEST RESULTS

No.	Parameters	Results	LOQ	Unit	Test Method
1	Temperature at Receiving	24.2		°C	APHA 20th Edition - 2550B
2	Turbidity	0.2		NTU	APILA 2130 B
ŀ.	pH at 24"C*	8.4		÷	FD-MTHD-007:2013 Reference to APHA 4500H-
4	Nitrate (as NO5)	0.3	-	mg/l	АРНА 4500 -NO2- 10
5	Oil & Grease*	<2.0	2.0	mg/t	FD-MTHD-032(2013 Reference to APHA 5520B
6	Free Ammonia (as NH ₃)	0.05	*	ing/l	5LS 614: Appendix A: 2013
7	Salinity	37		ppt	APTIA 2520
	Heavy Metals				
8	Arsenie (85 As)*	ND	0.001	mg/l	
9	Cadmium (as Cd)*	ND	0.0001	mg/l	
10	Lead (as Pb)*	ND	CIHI1	mg/l	
П	Mercury (as Hg)*	טא	0.00005	mg/l	CPSD-AN-00585-MTHD with
12	Nickel (as Ni)*	ND	0.001	mg/l	ICP-MS
13	Copper (as Cu)*	ND	0.001	mg/1	
14	Zine (as Zn)*	0.003		mg/l	
15	Chromium (as Cr)	ND	0.001	mg/]	



TEST REPORT

Report No:

(7418)144-0214F(SL)

Jul 14, 2018

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Remark

*ISO 17025 :2005 ACCREDITED TEST BY SRI LANKA ACCREDITATION BOARD FOR CONFORMITY ASSESSMENT (SLAB)

NOTE:

mg/l: milligrams per liter, ppt: parts per thousand, APIIA: American Public Health Association ND: Not Derected, LOQ: Limit of Quantification, NTU: Nepholomotric Turbidity Units, °C : Celcius, ICP-MS: Inductively Coupled Plasma - Mass Spectroscopy:

Contact Information for this report (Technical and General Inquiries and Feedback) GENERAL INCULURIES.

GENERAL INCONCES.			
IROSHA UDUGAMPALA	TFI.: +94 768 229 528	E-MAIL: Irosha.Udugampala@ik.bureauventas.com	
TECHNICAL INQUIRIES:			
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FEED BACK:			
DHANUKA PERERA - EXECUTIVE	TEL: +94 768 229 479	E-MAIL: dhanuka.perera@lk.bureauveritas.com	
QHSL		. –	
Quar			

REVIIWED BY: SEYAMIKA WICKRAMASINGHE

BUREAU VERTTAS CONSUMER PRODUCTS SERVICES LANKA (PVT) LID.

AUTHORIZED SIGNATORY

APPROVED BY:

LINDER COST MATHURDS INGHA MANAGER-FOOD LABORATORY



Report No:

TEST REPORT

(7418)144-0214F(SL)

Jul 34, 2018

Page 4 of 4

CPS CONTRIDUES OF SERVICE

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12 Treas Constraints are applicate approximation provide provide and the Application of the Application Application Application and a second provide a secon

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TEST REPORT



(7418)144-0214G(SL)

Jul 14, 2018 Page 1 of 4

Report No:

Applicant: Water Solutions (Pvt) Ltd.

Address : Ma Fas Eri, 1^{et} Floor, Americe Magu, Male_s Maldives,

Atta: Mr. Aslam Mohamed/ Mr. Abdulla Fazeel

Sample Received as:	500ml x 2 No.s of water sample contained in sealed plastic bottles submitted by the client.
Sample Described by the Client as:	Thilafushi SW7 Date & time Sampled : 03/07/2018 at 08.45 a.m
Date of Sample Received.	Jul 06, 2018
Date of Testing Started:	Jul 06, 2018
Date of Testing Completed:	Jul 13, 2018
Date of Report Issued:	Jul 14, 2018

Photo of the Submitted Sample



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Kureau Veritas Consumer Products Services Lanka (Pvt) Ltd. No. 570. Gale Road, Keubecda, Sr Lanka. Tel: (9411) 2350111 Fax: (9401) 2622/98/19 E-moil: (byos Janko %)k bureauver lastcom It is upon a growthen by the inpanded by the maximum for the data and full group and different functions are used in the second processing of the proces of the proces of the processing of the proces of the p

CPS CONDITIONS OF SERVICE

The party that submits in completed services (aguest form to Company or signs a cuctation issued by the Company for its performance of services ("Services") is the "Citent" under these Conditions of Services. The entity within the Human Vertice Consumer Products Services division accepting the service request form and issuing the Record documenting the results of those Services is the "Company" under these Conditions of Service Company and Clent ere, together, the "Parties" and each is a "Party" A request for Services constitutes a legally binding agreement on both Parties when such a request to accepted by the Company ("Agreement") under the following terms and conditions (collectively, "Conditions"):

1. Services: (a) The completion of the Services shall be evidenced by the Company's lotting to Client a written report setting tank the results of the Services based upon the property accessed register, applicable process, written information, and where applicable, the product sample provided by Client to Company (Report). Company may delegate/sestion the performance of all one portion of the Services to an attitude of Company on a timely basis all somments and information necessary to chable Company to property perform the Services. Company may, in its sole discribion, dispase of product samples turnshed to Company for the Services that were not destroyed in the cause of performance of the Services. (b) Client represents and warrants to Company that (i) open product samples direction backed for from the samples) integrated around with the type of inspection backed product samples of inspection backed for from the samples and warrants to Company that (i) open product samples direction backed for from the samples) below the type of inspection backed for from the sample) client accessed; and (ii) any graduat where the specified date and (c) Client accesses are the US Constituent and learning of a time to the type of inspection backed for the specified date and (c) Client accesses and learning that the type of inspection backed for the specified accuracy affect accesses and learning of the US Constitution to the type of any product samples of performance requires and learning that the type of inspection backed for the specified date and (c) Client accesses and the US Constituent Product Samples that the type of a subject to the sections of any performance requires and learning and learning that the type of the specified date and (c) Client accesses and the US Constituent Product Samples and the type of any product Samples of completes of completes and the US Constituent Product Samples and the type of the specified date and (c) Client accesses and the US Constituent Product Samples and the type of the specified da

2. Report. (a) The Report shall (i) constitute the sole deliverable for the Services, (ii) relete solely to the facts and circumstances as observed and recorded by Company at the time at parlomance of the Services within the limite of written information and instructions received from Dianc; Company shall have no obligation to update the Report after its tabuance. Where the Services Include tasting on inspection: (i) the Report will set forth the findings of Company shall have no obligation to update the Report after its tabuance. Where the Services Include tasting on inspection: (i) the Report will set forth the findings of Company solarly with respect to the product samples identified therem and (i) the results set forth in the Report are not to be construed as indicative or representence of the guality or characteristics of the lot from which a product sample was taken for Company's performance of Services. (b) The Report is issued solidly by Gompany, is intended for the oxclusive use of Client and its affiliates and, excent as required by a regulatory blady, shall not be particle for about any line party for about or party is instructed for about and its affiliates and, excent as required by a regulatory blady, shall not be published, used for about any programs, papied of represent for distribution or bulkiely disclosed without Company's prior written consent. Company, is not responsible for any third party's interpretation of the Report. (c) Client shall not request a Deport for purposes of lingation, nor shall it lis! Company, is afficiates or employees as a weperfit in any proceeding without Company's prior wither consent. If Client art dipates producing or otherwise using the Report in any legal proceedings. It shall so hotify Company prior to submitting the Report in such proceeding.

a. Representations and Warranties. (a) Company undertakes one card and ordinary skill in the performance of the Senarces. (b) Crient agrees that Company is notified an insurement of a guaranties and does not take the place of Client or the third panies that it recains, including prognets, manufacturers, agants, buyers, distributers, and warranty or shipping companies; Company distributers all facility in such capacities. Client understands that, if a seeks to prefer itself from oraling of segments in appropriate insurance. (b) Company does not variant agarantee Client's products, and Company's Penett does not represent a warranty of merchantability, a warranty of fitness for a periodicity purpose, or any other warranty or guarantee.

4. Paymant. Payment in full shall be due 30 days after the date of involtes, tailing which Company may revoke any credit extended to Ofent. Offent shall reimburse Company for (i) interest on overdue amounts from the due date until paid at an interest rate of 1.5% per month and ill; any other costs Company nouts in collection agencies' task.

6. Intelestual Property. The names, structe marks, trademarks and capyrights of Company and its atiliates (collectively, the Marks⁺) are an ermain the sals procently of Campany and shall not be used by Crent. Currentshall act context that validity of the Marks or take any action that might import the value or goodwill associated with the Marks or take any action that mage or reputation of Company or its affiliates. Client understands that any information or samples submitted to Company is a light set for Company to use the earlie in the performance of Services.

6. Retailonable (a) Writing herein creates a partnership, agency or joint verture between the Partlee. (b) The failure to require strict observance or partnership or any provision of these Conditions af all not be construed to be a weiver of a Party's right to later require strict observance and performance of the same. ⁴ any provision of those Conditions af all not be construed to be a weiver of a Party's right to later require strict observance and performance of the same. ⁴ any provision of those Conditions is held to be invalid or unenforceable, such invalidity shall not invalidate the remainder of the Conditions (c) For a period of two yours after the commencement of this Agreement, Client shell not directly or indirectly by to solid for employment any of Company's employees.

7. INDEMNITY, CLIENT SI ALL HOLD HARMLESS AND INDEMNIFY COMPANY, HS AFFILIATES, AND THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, ACENTS AND SUBCONTRACTOPS AGAINST ALL THIRD-PARTY CLAIMS FOR LOSS, DAMAGE, INJURY, DEATH, OR EXPENSE OF WHATEVER NATURE, INCLUDING BUT NOT LIMITED TO CLAIMS ARISING FROM OR RELATING TO (I) THE PERFORMANCE OF ANY SERVICES BY COMPANY. (II) THE SALE, RESALE, MANUFACTURE, DISTRIBUTION OR USE OF ANY OF CLIENT'S SOODS OF (II) BREACH OF CLIENT'S CONDATIONS OF WARRANTIES HEREIN.

8. LIMITATIONS OF LIABILITY, (A) COMPANY SHALL NOT BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL OF SPECIAL LOSS IN CONNECTIÓN WITH THE REPORT. THE PHODICITEON WHICH SERVICES WERE PERFORMED, OR THE SERVICES PROVIDED BY COMPANY HEREINDER COMPANY SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE WHATSOFVER RESULTING FROM ANY DELAY IN THE PERFORMANCE OF TS COLIGATIONS LICREUNDER OR FROM THE FAILUHE OF COMPANY TO PROVIDE US SERVICES WITHIN ANY TIME PERFOR FOR COMPLETION ESTIMATED BY COMPANY, RECARDED FOR LOSS, INDEMNITY, CONTRIBUTION OF FAILURE (B) THE ENTIRE FINANCIAL AND LEGAL LIABILITY OF COMPANY IN RESPECT OF ANY CLAIM FOR LOSS, INDEMNITY, CONTRIBUTION OF DAMAGE OF WHATEVER NATURE OF HOWSOEVER ARISING. SHALL NOT EXCEED AN AMOUNT EQUAL TO TIVE (b) TIMES THE AMOUNT OF FEES FAID TO COMPANY FOR THE SPECIFIC SERVICES WHICH GAVE RISE TO SUCH CLAIM.

9 Force Majoure. It any event of three mejoure or any event outside the control of Company occurs, Company may immediately concel or auspend to performance hereunder without incurring any leability whatspever to Client.

10. Governing Law, These Conditions shall be governed by the laws of the equality as totows; for Services performed in (i) the Americas: the laws of New York, (i) Azia Pacific, South Asia, Middle Easi and Africa; the laws of Hong Kong (except for China where PRC laws govern), and (ii) Europe; the laws of England.

11. Dispute Resolution. (a) I Client desires to assert a claim relating to the Services, it must submit the same to Company in willing eeting followith perfocuently the basis for each claim within 90 days from discovery of the claim and not more than eix months after the date of issuance of the Report. Client warvas any and all claims without limitation that it does not submit within each time periods. (b) if a dispute arises under this Agreement, the Panlea shall first atomstig good hath negotiabons, taking which the Panlea shall first atomst of the country of governing law shall have exclusive jurisdiction to settle any such dispute miscled in this Agreement and (i), mevocably waive their tiph to the by jury in any such ection of proceeding.

12. These Conditions, the applicable order farm and/or quatation and the Report represent the online understanding of the Parties on the subject matter hereo', and no modification is binding unless in writing. Any of Client's terms and conditions attached to, enclosed with or referred to in any order form, purchase order or other decumant ahall not apply.

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Jul 14, 2018

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TEST RESULTS

No.	Parameters	Results	LOQ	Unif	Test Method
1	Temperature at Receiving	24,2		°C	APHA 20th Edition 25503
2	Turbidity	0.2	-	NTU	AP11A 2130 B
3	pf1 at 24°C*	8.2	•	-	FD-MTHD-007:2013 Reference to APHA 4500H+
4	Nitrate (as NO/)	0.5	-	mg/l	APHA 4500 -NQ ₁ - B
5	Oil & Grease*	<2.0	2.0	mg/l	FD-MTHD-032:2013 Reference to APHA 5520B
6	Free Ammonia (as NH3)	<0.02	0.02	mg/l	SLS 614 Appendix A: 2013
7	Salinity	36		pp1	APHA 2520
	Heavy Metals		h		
8	Arsenic (us As)*	ND	0.001	mg/l	
9	Cadmium (as Cd)*	ND	0.0001	mg/l	
10	Load (as Pb)*	ND	0.001	mg/l	
П	Mercury (as Hg)*	ND	0.00005	mµ/1	CPSD-AN-00581-MTHD with
12	Nickel (as Ni)*	ND	0.001	mg/l	JCP-MS
13	Copper (as Cu)*	ND	0.001	mg/l	
14	Zinc (as Zn)*	0.008		mg/l	
15	Chromium (as Cr)	ND	0.001	mg/l	

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Jul 14, 2018

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Report No:

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*ISO 17025 (2005 ACCREDITED TEST BY SRI LANKA ACCREDITATION BOARD FOR CONFORMITY ASSESSMENT (SLAB)

NOTE:

ing/I: milligrams per liter, ppt: parts per thousand, APHA: American Public Health Association ND: Not Detected, LOQ: Limit of Quantification, NTU: Nephelometric Turbidity Units, °C : Celeius, ICP-MS: Inductively Coupled Plasma – Mass Spectroscopy;

Contact information for this report (Technical and General Inquiries and Feedback)

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REVIEWED BY: SHYAMIKA WICKRAMASINGHE

BURBAU VERITAS CONSUMER PRODUCTS SERVICES LANKA (PVT) LTD.

AUTHORIZED SIGNATORY

APPROVED BY:

tor INDRATITE HATHURUSINGEA MANAGER-

FOOD LABORATORY



Report No:

TEST REPORT

(7418)144-0214G(SL)

Jul 14, 2018

Page 4 of 4

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END OF THE REPORT.

Environmental Impact Assessment for the Waste-to-Energy Plant Project in Thilafushi

Biodiversity and Critical Habitat Assessment



Prepared by: Aleef Naseem and Abdul Aleem (EIA P03/2019)



25th November 2019

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Х.	Conclusion and Recommendations

I. Introduction

1. The ADB Safeguard Policy Statement (ADB 2009) requires assessment of whether the project is planned in an area that may qualify as Critical Habitat or Natural Habitat. This assessment followed more detailed guidance in International Finance Corporation Performance Standard 6 and its recently updated accompanying guidance note (IFC 2012, 2019).

2. ADB SPS requires that any projects financed by ADB shall not implement project activities and components in area of critical habitat/s, unless (i) there are no measurable adverse impacts on the critical habitat that could impair its ability to function, (ii) there is no reduction in the population of any recognized endangered or critically endangered species, and (iii) any lesser impacts are mitigated. If a project is located within a legally protected area, ADB requires that the project implement additional programs to promote and enhance the conservation aims of the protected area. In an area of natural habitats, there must be no significant conversion or degradation, unless (i) alternatives are not available, (ii) the overall benefits from the project substantially outweigh the environmental costs, and (iii) any conversion or degradation is appropriately mitigated. ADB SPS further requires the use of precautionary approach in the use, development, and management of renewable natural resources.

3. In order to assess whether the Greater Malé Waste-to-Energy Project (WTE project) is located in a critical habitat, an initial screening was undertaken using the Integrated Biodiversity Assessment Tool (IBAT).¹ Results show that the location of the WTE project is likely a critical habitat. Therefore, a critical habitat assessment is needed to confirm the results.

4. This biodiversity and critical habitat assessment is applicable to the WTE project. Apart from the information from the IBAT screening, this report is also based on the baseline information provided in the EIA for the WTE project, which was supported with literature review and field data collection.

II. Definition of Critical Habitat

5. Critical habitat is defined in ADB SPS (2009) as a subset of both natural and modified habitat that deserves particular attention. Critical habitat includes areas with high biodiversity value, including (i) habitat required for the survival of critically endangered or endangered species; (ii) areas having special significance for endemic or restricted-range species; (iii) sites that are critical for the survival of migratory species; (iv) areas supporting globally significant concentrations or numbers of individuals of congregatory species; (v) areas with unique assemblages of species or that are associated with key evolutionary processes or provide key ecosystem services; and (vi) areas having biodiversity of significant social, economic, or cultural importance to local communities.

¹ The Integrated Biodiversity Assessment Tool (IBAT) is a multi-institutional programme of work involving BirdLife International, Conservation International, IUCN, and UNEP-WCMC. IBAT provides a basic risk screening on biodiversity. It draws together information on globally recognised biodiversity information drawn from a number of IUCN's Knowledge Products: IUCN Red List of Threatened Species, Key Biodiversity Areas (priority sites for conservation) and Protected Planet/The World Database on Protected Areas (covering nationally and internationally recognised sites, including IUCN management categories I–VI, Ramsar Wetlands of International Importance and World Heritage sites).

III. Areas of analysis

6. Critical Habitat and Natural Habitat assessment ideally takes place across sensible ecological or political units that are sufficiently large to encompass all direct and indirect impacts from the project. These areas of analysis (AoAs) are thus often much broader than the direct project footprint. AoAs may be separate or combined, depending on the ecology of the biodiversity concerned.

7. Considering the extent of potential impacts on aquatic biodiversity from the Project an aquatic AoA was identified as the 50-km study area to make consistent with the default range in the IBAT Screening. This area is approximately within the Zone 3 of Maldives, within which common biological communities and/or management issues exist (Figure 1).

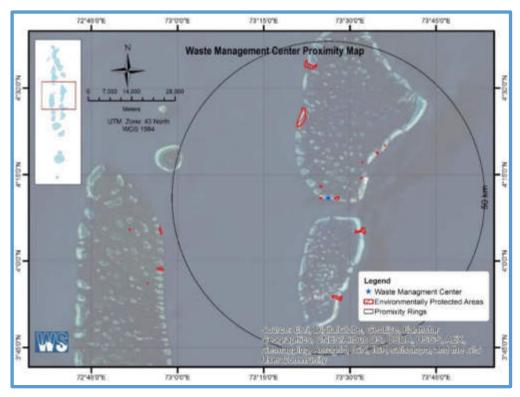


Figure 1: 50km buffer zone from project site at Thilafushi

8. Identification of AoAs does not mean that the project has any obligations across them. The aim of this Critical Habitat Assessment is to identify whether the broad units qualify as Critical Habitat and, if so, for which biodiversity features. This information helps to prioritize impact assessment and to focus mitigation efforts.

IV. Thresholds of Critical Habitat

1. To identify if a certain species can qualify the project AoA as Critical Habitat, the IFC Guidance Note 6 $(2019)^2$ has been used.

V. Critical Habitat Screening and Assessment

2. Critical habitat screening considered critical habitat-qualifying biodiversity candidates identified within the EIA as actually or potentially present. In each case, reasons are identified for each biodiversity feature likely meeting or not meeting Critical Habitat. IBAT was used as the initial screening for critical habitat values. Performance Standard 6 (PS6) defines these values for critical habitat (PS6: para. 16) and legally protected and internationally recognized areas (PS6: para. 20). The IBAT was used to screen for known risks within a standard 50km buffer of the project area at Thilafushi (see **Error! Reference source not found.**).

VI. Criteria 1 – 3: Critically Endangered or Endangered Species, Endemic and/or Restricted-range species Migratory or Congregatory Species

3. Habitat of significant importance to priority species can trigger critical habitat status. IBAT was used to create a preliminary list of priority species that could occur within the AoA. This list is drawn from the IUCN Red List of Threatened Species (IUCN RL). Due to the uncertainty surrounding the assessment at this preliminary stage, the list of species for which Critical Habitat may be triggered is still provisional and will require further analysis as reiterated in the conclusion.

4. The justification for the assessment has been provided in Table 1.

5. It should be noted that this list is preliminary and other species not currently included or poorly represented such as birds, fish, and invertebrates may come to light and require inclusion following monitoring and field surveys, continued desk study, and stakeholder engagement during project implementation.

² <u>https://www.ifc.org/wps/wcm/connect/5e0f3c0c-0aa4-4290-a0f8-4490b61de245/GN6_English_June-27-2019.pdf?MOD=AJPERES&CVID=mRQjZva</u>

Table 1: Critical Habitat Screening Assessment

Species Name	Criteria 1 CR or EN Species	Criteria 2 Endemic / Restricted Range Species	Criteria 3 Migratory / Congregatory Species	Rationale
Mammals				
Blue Whale <i>Balaenoptera</i> <i>musculus</i>	EN	-	М	About 5,000 individuals of this species survive today in three populations: North Atlantic, North Pacific, and the Southern Hemisphere. According to interviews with local people, there has been only few sightings of Blue Whales in Maldives waters and is regarded as an uncommon visitor to the Maldives. There is no recorded information that can confirm the regular occurrence of this species in the AoA. It is very unlikely that the Project AoA holds >0.5% of the global population of this species, and >5 pairs, at least seasonally. <i>Balaenoptera musculus</i> does not appear to qualify the Project area as Critical Habitat.
Birds				
Matsudaira's Storm-petrel Oceanodroma matsudairae	_	RS	Μ	Population is only known to breed on the Volcano Islands in southern Japan. After breeding the species move south across equatorial belt and then winters in the equatorial belt. Only recorded in Ha. Atoll (Anderson & Baldock 2001), which is not within the AoA. There is a possibility that the species could occur near the coast in the Project AoA. This is, however, unlikely given degradation and development in that area. Based on the available information, <10% of the species' range overlap the terrestrial AoA, and there is low likelihood that suitable habitat exists in the Project area as Critical Habitat.

Species Name	Criteria 1 CR or EN Species	Criteria 2 Endemic / Restricted Range Species	Criteria 3 Migratory / Congregatory Species	Rationale
Odonata				
Enallagma maldivense	CR	RS	-	<i>Enallagma maldivensis</i> is a species of damselfly. There is insufficient data available for this species. No data is available on its population size in the AoA nor population size for the entire country. Dragonflies normally are found in freshwater habitats. No information is available on the presence of freshwater habitats (e.g. ponds) in the AoA. On a precautionary basis, it is possible that the terrestrial AoA holds more than 0.5% of the global population of this globally Critically Endangered damselfly. As such, <i>Enallagma maldivense</i> qualifies the project AoA as Critical Habitat.
Fishes				
Pondicherry Shark Carcharhinus hemiodon	CR	-	-	The Pondicherry Shark is a rare shark found on the continental and insular shelves of the eastern Indian Ocean and the western Pacific, from India to New Guinea. Thought to be extinct, recently found near a seasonal fishing village in Sri Lanka. There have been no recorded sightings in Maldives. It is very unlikely that the Project AoA holds >0.5% of the global population of this species, and >5 pairs. <i>Carcharhinus hemiodon</i> does not appear to qualify the Project area as Critical Habitat.
Bowmouth Guitar shark <i>Rhina ancylostoma</i>	VU*	-	_	Although this shark is found throughout coastal areas across the Indian Ocean, sightings of this species in Maldives is rare. There is no recorded information that can confirm the regular occurrence of this species in the AoA. There is no reason to suspect that the AoA holds disproportionately high or low populations. The Project only occupies a small percentage of the AoA and is not predicted to have broad-scale impacts. Without further information, it thus seems unlikely that the Project could have impacts on this shark that would impact it to a level that it would become Endangered. As such, <i>Rhina ancylostoma</i> does not qualify the Project area as Critical Habitat.

Species Name	Criteria 1 CR or EN Species	Criteria 2 Endemic / Restricted Range Species	Criteria 3 Migratory Congregatory Species	Rationale
Bottlenose Wedge shark <i>Rhynchobatus australiae</i>	CR	-	-	The Bottlenose Wedgefish inhabits inshore waters on the continental shelves, specifically enclosed bays, estuaries, and coral reefs. It is found in South-East Asia and Australia. Although this shark is also found throughout coastal areas across the Indian Ocean, sightings of this species in Maldives is rare. There is no recorded information that can confirm the regular occurrence of this species in the AoA. It is very unlikely that the Project AoA holds >0.5% of the global population of this species, and >5 pairs. <i>Rhynchobatus australiae</i> does not appear to qualify the Project area as Critical Habitat.
Whale Shark <i>Rhincodon typus</i>	EN	-	-	Whale sharks are commonly found within Maldives. A possible resident population exists in ADh. Atoll which is outside the AoA. Sightings are rare within the AoA. It is very unlikely that the Project AoA holds >0.5% of the global population of this species, and >5 pairs. <i>Rhincodon typus</i> does not appear to qualify the Project area as Critical Habitat.
Shortfin Mako Shark <i>Isurus oxyrinchus</i>	EN	-	Μ	The Shortfin Mako is an offshore littoral and epipelagic species found occurring in tropical and warm-temperate waters of all oceans. It is a highly migratory species making extensive journeys of over 3,000 kilometers. This species is found throughout Maldives. However, occurrence close to the atolls is very rare. There is no recorded information that can confirm the regular occurrence of this species in the AoA, It is very unlikely that the Project AoA holds >0.5% of the global population of this species, and >5 pairs. <i>Isurus oxyrinchus</i> does not appear to qualify the Project area as Critical Habitat.

Species Name	Criteria 1 CR or EN Species	Criteria 2 Endemic / Restricted Range Species	Criteria 3 Migratory Congregatory Species	Rationale
Great Hammerhead <i>Sphyrna mokarran</i>	EN	-	-	<i>Sphyrna mokarran</i> is a coastal-pelagic and semi-oceanic tropical hammerhead occurring close inshore and well offshore, over the continental shelves, island terraces, and in passes and lagoons of coral atolls, as well as over deep water near land. Sightings are seasonal during the start of North-east Monsoon. According to diver community, southern atolls have the most likelihood of sightings which fall outside the AoA. The great hammerhead ranges widely throughout the tropical waters of the world. For this reason, it is very unlikely that the Project AoA holds >0.5% of the global population of this species, and >5 pairs. <i>Sphyrna mokarran</i> does not appear to qualify the Project area as Critical Habitat.
Ornate Eagle Ray <i>Aetomylaeus vespertilio</i>	EN	-	-	The Ornate Eagle Ray has a sporadic distribution in the Indo-West Pacific, including Maldives. It occurs on the inner continental shelf to depths of 110 m over soft sandy substrate. Rarely seen and one sighting at Landaa Giraavaru, Baa Atoll, Maldives was recorded on February 2018. This area is outside the AoA. It is very unlikely that the Project AoA holds >0.5% of the global population of this species, and >5 pairs. <i>Aetomylaeus vespertilio</i> does not appear to qualify the Project area as Critical Habitat.
Longfin Mako <i>Isurus paucus</i>	EN	_	-	The Longfin Mako is widespread in tropical and warm temperate waters, and likely occurs in all oceans, although its distribution is poorly recorded. Sightings of this species in Maldives is rare. It is very unlikely that the Project AoA holds >0.5% of the global population of this species, and >5 pairs. <i>Isurus paucus</i> does not appear to qualify the Project area as Critical Habitat.

Species Name	Criteria 1 CR or EN Species	Criteria 2 Endemic / Restricted Range Species	Criteria 3 Migratory / Congregatory Species	Rationale
Sky Emperor <i>Lethrinus mahsena</i>	EN	-	-	This species is found in coral reef habitats and adjacent sandy and seagrass areas. Commercially fished in most of its habitat, but there are no evidences that it happens in the Maldives as well. It is very unlikely that the Project AoA holds >0.5% of the global population of this species, and >5 pairs. <i>Lethrinus mahsena</i> does not appear to qualify the Project area as Critical Habitat.
Echinoderms				
Golden Sandfish <i>Holothuria</i> <i>scabra;</i> Golden Sandfish <i>Holothuria</i> <i>lesson;</i> Black Teatfish <i>Holothuria nobilis</i>	EN	-	-	All these holothurian species are fished commercially, with some local populations in sharp decline due to overexploitation. All three species have a wide range across Indo-Pacific tropical seas. No information is available about the presence and abundance of these species in the project AoA; however, it is very unlikely that the Project AoA holds >0.5% of the global population of this species, and >5 pairs. <i>Holothuria spp.</i> do not appear to qualify the Project area as Critical Habitat.
Corals				
Acropora rudis	EN	-	-	This species is found in the northern Indian Ocean and the central Indo-Pacific. Found also in the Maldives, however, data lacks on population size. The AoA is already impacted and not all the reefs are in pristine conditions, and this species was also not found during the underwater surveys. It is extremely unlikely the Project AoA holds >0.5% of the global population of this species. <i>Acropora rudis</i> does not appear to qualify the Project area as Critical Habitat.

CR – Critically Endangered under IUCN Red List; EN – Endangered under the IUCN Red List; RS – Restricted Range Species under IUCN; M – migratory. *- Recently changed to vulnerable status in IUCN Red List

VII. Criterion 4: Unique assemblages of species that are associated with key evolutionary processes

6. As is the case for the majority of Indo-Pacific islands, the Maldives Archipelago has been subject to long and extreme isolation that has allowed evolutionary processes to generate unique, endemic flora and fauna. Beyond this general context, however, there is no reason to believe that the terrestrial or aquatic AoA host particularly unusual or key evolutionary processes. Unique assemblages of species associated with key evolutionary processes thus do not qualify the Project area as Critical Habitat.

VIII. Criterion 5: Areas having biodiversity of significant social, economic, or cultural importance to local communities (including ecosystem services)

7. This additional assessment considers the ecosystem services from biodiversity in general. The assessment of significance of ecosystem services to local communities is assessed retrospectively in line with the consultation with local dive communities.

8. Ecosystem services affected by the project are prioritized when all three of the following criteria are met: (i) the project might affect the ability of others to benefit from the service; (ii) the affected service is important to beneficiaries' well-being; and (iii) beneficiaries do not have viable alternatives for that service.

9. The limited information presented does not give reason to believe that the Project terrestrial or aquatic AoA are sufficiently important to local people that they represent Critical Habitat under this criterion. However, it is beyond the scope of this assessment to collect additional information on ecosystem services, and then to assess which may qualify the project area as Critical Habitat.

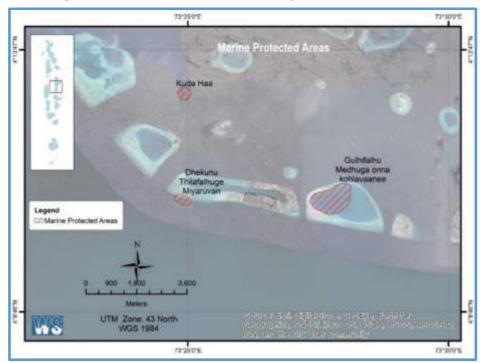


Figure 2. 5km buffer zone from project site at Thilafushi

IX. Legally protected areas and internationally recognized areas

10. There are some areas near to the Project. The nearest MPA to the WTE project site is the "*Lions Head*" (Dhekunu Thilafalhuge Miyaruvani), around 1 km from the proposed plant. Additionally, as a precautionary approach, a more focused habitat assessment was conducted for this MPA. Results show that none of the IUCN species categorized as critically endangered species, endangered species or vulnerable species is found within this MPA. Results also show that none of nationally protected species is found within this MPA. Results also show that none of attached as Annex 2.

24. Following IFC (2019), none of the protected areas found in the Project AoA meets the thresholds for Critical Habitat for some species for which it was designated. For this reason, none of the protected areas found in the AoA qualify the Project area as Critical Habitat.

X. Conclusion and Recommendations

25. The WTE project will be established in Maldives, a country rich in biodiversity. Based on the initial screening using IBAT, the project site is likely to be a critical habitat at least for a terrestrial insect.

11. In the course of project implementation, it is highly recommended that continuous marine underwater monitoring be undertaken around Thilfushi island to confirm the extent of biodiversity in various seasons of the year, including assessment of features pertinent to critical habitats. In cases when future information determines the existence of critical habitat within the study area, the WTE project should be able to demonstrate that:

- It does not lead to measurable adverse impacts on those biodiversity values for which the critical habitat was designated, and on the ecological processes supporting those biodiversity values;
- (ii) It does not lead to a net reduction in the global and/or national/regional population of any Critically Endangered or Endangered species over a reasonable period of time; and
- (iii) It has integrated into its management program a robust, appropriately designed, and long-term biodiversity monitoring and evaluation program.

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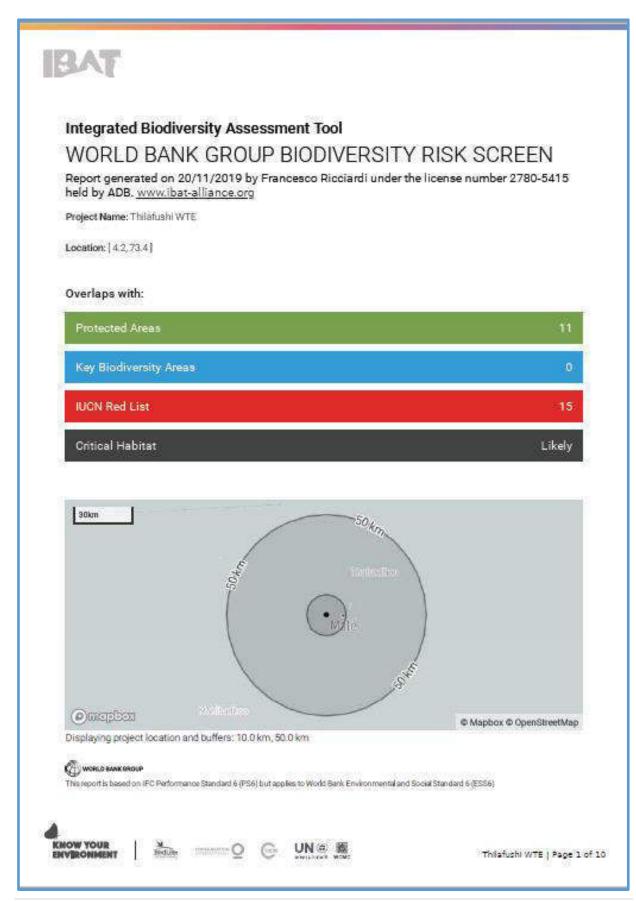
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Annex 1: IBAT assessment report



BAT

About this report

IBAT provides initial screening for critical habitat values. Performance Standard 6 (PS6) defines these values for critical habitat (PS6: para. 16) and legally protected and internationally recognized areas (PS6: para. 20). PS6 will be triggered when IFC client activities are located in modified habitats containing "significant biodiversity value," natural habitats, critical habitats, legally protected areas, or areas that are internationally recognized for biodiversity. References to PS6 and Guidance Note 6 (GN6) are provided to guide further assessment and detailed definitions where necessary. Please see https://www.lfc.org/gs6 for full details on PS6 and GN6.

The report screens for known risks within a standard 50km buffer of the coordinates used for analysis. This buffer is not intended to indicate the area of impact. The report can be used to:

- · Scope risks to include within an assessment of risks and impacts
- Identify gaps within an existing assessment of risks and impacts
- · Prioritize between sites in a portfolio for further assessment of risks and impacts
- Inform a preliminary determination of critical habitat
- Assess the need for engaging a biodiversity specialist

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· Identify additional conservation experts or organizations to inform further assessment or planning

WARNING: IBAT aims to provide the most up-to-date and accurate information available at the time of analysis. There is however a possibility of incomplete, incorrect or out-of-date information. All findings in this report must be supported by further desktop review, consultation with experts and/or on-the-ground field assessment as described in PS6 and GN5. Please consult IBAT for any additional disclaimers or recommendations applicable to the information used to generate this report.

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Priority Species

Habitat of significant importance to priority species will trigger critical habitat status (See PS6, para 16). IBAT provides a preliminary list of priority species that could occur within the 50km buffer. This list is drawn from the IUCN Red List of Threatened Species (IUCN RL). This list should be used to guide any further assessment, with the aim of confirming knownor likely occurrence of these species within the project area. It is also possible that further assessment may confirm occurrence of additional priority species not listed here. It is strongly encouraged that any new species information collected by the project be shared with species experts and/or IUCN wherever possible in order to improve IUCN datasets.

IUCN Red List of Threatened Species - CR & EN

The following species are potentially found within 50km of the area of interest. For the full IUCN Red List please refer to the associated csv in the report folder.

Species name	Common name	IUCN Category	Group
Carcharhinus herniodon	Pondicherry Shark	CR	CHONDRICHTHYES
Rhina ancylostoma	Bowmouth Guitarfish	CR	CHONDRICHTHYES
Rhynchobatus australiae	Bottlenose Wedgefish	CR	CHONDRICHTHYES
Enallagma maldivense		CR	INSECTA
Balaenoptera musculus	Blue Whale	EN	MAMMALIA
Rhincodon typus	Whale Shark	EN	CHONDRICHTHYES
Isurus oxyrinchus	Shortfin Mako	EN	CHONDRICHTHYES
Sphyma mokarran	Great Hammerhead	EN	CHONDRICHTHYES
Aetomylaeus vespertilio	Ornate Eagle Ray	EN	CHONDRICHTHYES
Isurus paucus	Longfin Mako	EN	CHONDRICHTHYES
		EN	ANTHOZOA

Biodiversity features which are likely to trigger Critical Habitat

Protected Areas

BAT

The following protected areas are found within 10.0 km and 50.0 km of the area of interest. For further details please refer to the associated csy file in the report folder.

Area name	Distance	Recommendation
Giravaru Kuda Haa	10.0 km	Assess for biodiversity risk
Hans Hass Plave (Gulhi Falhu)	10.0 km	Assess for biodiversity risk
Lions Head (Thilafalhu Miyaruvani)	10.0 km	Assess for biodiversity risk
Banana reef (Gaathu Giri)	50.0 km	Assess for biodiversity risk
Embudhoo Kanduolhi	50.0 km	Assess for biodiversity risk
Guraidhoo Kandu	50.0 km	Assess for biodiversity risk
Huraa Mangrove	50.0 km	Assess for biodiversity risk
Makunudhoo Kandu	50 .0 km	Assess for biodiversity risk
Nassimo Thila (Lankan Thila)	50.0 km	Assess for biodiversity risk
Rastari	50.0 km	Assess for biodiversity risk.
Thanburudhoo Thila (HP Reef)	50.0 km	Assess for biodiversity risk

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Area Taxonomic group	Total assessed species	Total (CR, EN & VU)	CR	EN	VU	NT	LC	P
CHONDRICHTHYES	28	19	3	5	11	2	4	3
INSECTA	1	1	Ŭ.	0	0	0	0	0
MAMMALIA	10	1	o	1	0	o	7	2
ANTHOZOA	124	23	0	1	22	40	53	8
HOLOTHUROIDEA	31	5	o	3	2	0	15	it.
ACTINOPTERYGIL	656	3	0	1	2	3	628	23
REPTILIA	2	12	0	0	a.	0	×.	0
AVES	36	2	0	(0)	2	4	30	0
MAGNOLIOPSIDA	5	0	<u>9</u>	0	0	(0)	5	0
AMPHIBIA	1	0	0	0	0	0	i.	0
HYDROZOA	2	0	o	ø	o	o	2	0
MALACOSTRACA	8	0	0	Ó	0	0	×.	Ĩ
LILIOPSIDA	3	0	o	o	0	0	8	0

The following key biodiversity areas are found within 10.0 km and 50.0 km of the area of interest.

For further details please refer to the associated csv file in the report folder.

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BAT Total assessed species Total (CR, EN & VU) Area Taxonomic LC CR EN VU NT DD group POLYPODIOPSIDA \mathbf{T} 0 0 0 0 0 0 14 GASTROPODA 66 0 0 0 0 0 65 t BIVALVIA 1 0 0 0 1 0 0 0 KNOW YOUR ENVIRONMENT When the second of the second Thilafushi WTE | Page 8 of 10

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Country-level summary Coming soon	
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Recommended Experts and Organizations

For projects located in critical habitat, clients must ensure that external experts with regional expertise are involved in further assessment (GN6: GN22). Clients are encouraged to develop partnerships with recognized and credible conservation organizations and/or academic institutes, especially with respect to potential developments in natural or critical habitat (GN6: GN23). Where critical habitats are triggered by priority species, species specialists must be involved. IBAT provides data originally collected by a large network of national partners, while species information is sourced via the IUCN Red List and affiliated Species Specialist Groups. These experts and organizations are listed below. Please note that this is not intended as a comprehensive list of organizations and experts. These organizations and experts are under no obligation to support any further assessment and do so entirely at their discretion and under their terms. Any views expressed or recommendations made by these stakeholders should not be attributed to the IFC or IBAT for IFC partners.

Relevant national or regional organizations

IBAT integrates information developed by a global network of conservation agencies, organizations and experts. These efforts are coordinated by the IBAT Alliance (BirdLife International, Conservation International, IUCN and UNEP-WCMC) who compile and maintain this information as globally standardized databases. The local partners most relevant to the area of analysis are:

Wild Bird Society of Japan Address: Maruwa Building, 3-9-23 Nishi-Gotanda, Shinagawa-ku, Tokyo 141-0031, JapanWeb. http://www.wbsj.org/

BirdLife Asia Regional Office Address: 354 Tanglin Road, #01-16/17, Tanglin International Centre, Singapore 247672 Email: singapore.office@birdlife.org.Web.http://www.birdlife.org/asia

Directory for Species Survival Commission (SSC) Specialist Groups and Red List Authorities

URL: http://www.iuch.org/about/work/programmes/species/who_we_are/ssc_specialist_groups_and_r ed_list_authorities_directory/

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Annex 2: Critical Habitat Assessment for Lions Head MPA



FINAL REPORT

Baseline Socio Economic Survey in Thilafushi and Gulhifalhu

TA 9327 - Greater Male' Environmental Improvement and Waste Management Project

August – September2019

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1. Introduction

Asian Development Bank (ADB) requested and received assistance through the Ministry of Environment and Energy (MEE) for the services of Live and Learn Environment Education to carry out the baseline socio-economic survey of the residents of Thilafushi and Gulhifalhu which was a requirement of the Greater Male' Environmental Improvement and Waste Management Project.

The overall objective of this consultancy was to ascertain baseline socio economic profile of the residents in Thilafushi and Gulhifalhu islands. The survey also aimed to determine the current waste disposal practices, the needs and willingness of the companies operating in the islands to pay for waste management services. The results of the survey will be used for evidence-based planning and designing needs based socially inclusive strategies to maximize project benefits.

This document reports a summary of the purpose, methodology, sampling frame and strategy, data collection and analysis process, key findings of the study, limitations of the study and general recommendations.

2. Methodology

2.1 Objectives

The aim of this study was to ascertain baselines with regards to poverty and development indicators that included a set of socio- economic variables such as, education, occupation, economic status, access to basic services- including access to healthcare, accommodation, clean drinking water and food, and waste management. The survey targeted residents living and/or working in all areas in Thilafushi and Gulhifalhu islands.

2.2 Approach

The following schematic diagram summarizes the key steps of the approach that was followed to carry out the assignment.

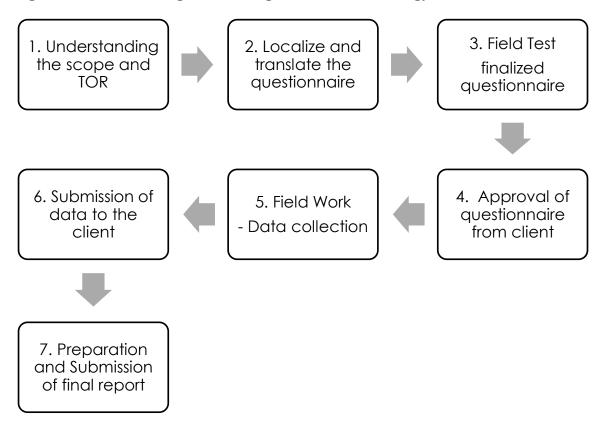


Figure 1: Schematic diagram showing the work methodology

2.3 The Sampling Frame and Sampling Strategy

The survey was carried out in Thilafushi and Gulhifalhu islands. The survey was based on a core sets of information, an updated list of tenants obtained from Greater Male' Industrial Zone Limited (GMIZL) and estimated number of workers on site. The survey sample represented a cross-section of the individuals working and/or residing in Thilafushi and Gulhifalhu Islands and the companies based in these two islands.

During the inception phase, Live and Learn identified the survey locations, sampling methodology and sample size. The sample size was based on instructions provided by the client. Specific instructions were provided to survey about 200 individuals living/ and or working in areas or sites that are close in proximity to the waste management site in Thilafushi. Survey locations were finalized with guidance from Thilafushi and Gulhifalhu management office, the Greater Male' Industrial Zone Limited (GMIZL). According to the information received, not many companies were in areas close to the waste management site in Thilafushi. GMIZL highlighted that there are discrepancies in utility services available in the different zones of the island, that the "old Thilafushi" identified in the map as "silver plots" did not have water and sanitation services available. They also guided the survey team to identify the size and type of tenants in the different zones of the islands. Care was taken to ensure that the sample represented residents living/ and working in sites near all areas/ zones in the islands. To maximize on the quality, a comprehensive list of tenants was obtained from GMIZL. See *Appendix A* for the list of tenants located in Thilafushi, obtained from GMIZL and *Appendix B* for maps of Thilafushi and Gulhifalhu with the surveyed companies located.

2.4 Data Collection

2.4.1 Questionnaire

The survey was carried out using two questionnaires based on socio economic variables - one for individuals working and/ or residing in Thilafushi and Gulhifalhu and the other for companies based in Thilafushi and Gulhifalhu Islands. The sample covered 430 individuals (Thilafushi 374; Gulhifalhu 56) and 35 companies (Thilafushi 32; Gulhifalhu 3).

The questionnaires were developed to elicit the most important quantifiable data for this assessment. The questionnaires included various research questions that intended to get information for the research areas, specifically,

- a. Provision and accessibility to basic services including;
 - Accommodation
 - Food
 - Healthcare
- b. Expenses on basic needs and savings
- c. Waste management
- d. Factors influencing waste management practices
- e. Readiness to use improved waste management services

The questionnaires were modified in line with the societal norms, adapted to the local context and was translated in Dhivehi. The questionnaires were field-tested and refined based on the experience gained by the field test. The modified questionnaires are included in *Appendix C*.

2.5 Data Analysis

2.5.1 Data entry, analysis, synthesis and interpretation

The questionnaires were filled by trained enumerators using tablet computers or smart phones in order to ensure efficiency and accuracy. The data were automatically entered, coded and fed into a central data base.

Data analysis and tabulation were carried out using a set of tables prepared by the Consultant's Team and shared with the client for feedback and comments.

2.5.2 Integration of Different Information Gathering Processes

Findings of field research were triangulated and documented to ensure their credibility and validity. Information gathered from the different sources were checked through comparisons and verification discussions. For example, information from surveys was cross checked with information gathered from discussions with client, project documents and observations. Consultant compared data mainly from these three sources prior to making conclusions and reporting. Evidence from secondary sources including stakeholder consultation and interviews were used as supplementary sources of information to support the findings gathered from the above three key sources. Following figure illustrates the triangulation process of data that was gathered from various methods under this study.

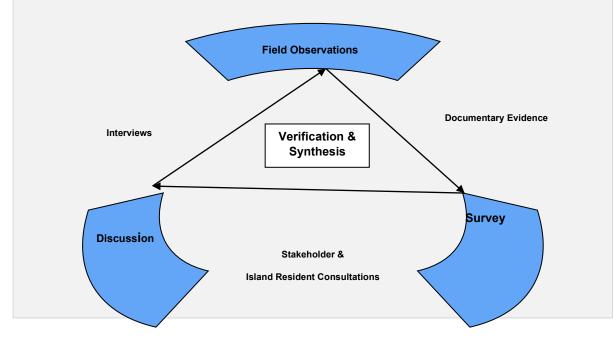


Figure 2: Triangulation of raw data collected from different methods

3. Key Findings

3.1 General Information

The survey respondents comprised of 1 female and 429 males. The respondents' ages ranged from 18 to 67 and are mostly Muslims (81%) and from Bangladesh (66%). The length of stay of the respondents in Maldives ranged from less than one year to more than 35 years. 78 percent of the respondents stated that they had a work visa or permit, 18 percent did not have a work visa or work permit and 3 percent did not want to respond to the question. Note that Maldivians (15%) do not need a permit to work in Thilafushi and Gulhifalhu. Hence, out of the 85 percent of foreign respondents, approximately 66 percent had a work visa or permit.

The education level of the respondents' showed that 9 percent did not have any education, 12 percent had basic literacy skills, 25 percent completed primary and 39 percent completed secondary education (secondary school and O'level), 7 percent have completed A'level and 4 percent have completed degree and above.

The education level was reflected in the job titles that the respondents hold as 54 percent of the respondents were unskilled labourers, 35 percent skilled workers, 7 percent at supervisor level, 1 percent at managerial level and 3 percent of the respondents' held jobs that were not categorized in any of the above mentioned categories.

The key points that emerged from the study are;

3.2 Income, Expenditure and Savings

- The self-assessed economic status showed that 24 percent respondents perceived themselves to be poor. The proportion of respondent who felt that they were in the lower middle-income level to middle income level constituted approximately 70 percent. Two percent respondents believed that they are rich.

 The highest expenditure for the respondents was estimated to be on communication (phone and internet) and the average monthly spent monthly ranged from MVR 500 to MVR 1500. The monthly expenditure on accommodation and basic needs such as utilities, food and drinks, and health care were borne by the employers and respondents had to spend minimal amount on these (Refer Table 1 below).

Expenditure (MVR)							
	B2.Food & Drinks	B3. House Rent	B4. House Maintenance	B5. Healthcare	B6. Electricity	B7. Water	B8. Communication
0-499	253	395	404	396	402	403	149
500-999	40	1	7	14	9	13	205
1000-1499	47	3	3	10	5	2	45
1500-1999	36	3	2	1	3	1	14
2000-2499	15	1	3	4	5	6	11
2500-2999	1	1	2	0	1	0	0
3000-3499	13	2	2	1	0	1	2
3500-3999	2	1	1	0	0	2	0
4000-4499	5	1	1	0	1	1	2
Above 5000	18	22	5	4	4	1	2

Table 1: Summary of expenditure

- The respondents stated that their average savings would be about 60 to 80 percent of the monthly income and 78 percent of the respondents send their savings to their families in respective countries.

Table 2: Summary	of Income
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Place of Residence	Below poverty line (<2000 MVR)	2001-4000	4001-6000	>6000		
Male'	2	7	3	40		
Thilafushi	19	46	140	119		
Gulhifalhu	5	14	19	14		
Boat	0	0	2	1		
Other	1	0		2		
Total	27	67	164	176		

No. of respondents' – Summary of Income (MVR)

Note: As indicated in the initial communications with the client, it was anticipated that
a lot of people would hesitate to provide accurate data for income and expenditure,
since the state is preparing to decree income tax. It appears that the data on expenditure
and savings have errors and inconsistencies due to this. The main observation is that
the lowest incomes estimated from the data received range from MVR200 to MVR500,
some of whom are local and foreign nationals serving as technical/skilled employees.
No local would work on a full-time job for a salary that is less than MVR5000,
specifically in this job category. Additionally, the lowest income for foreign laborers
will not be less than USD200, i.e., approximately 3000 per month.

3.3 Housing, Infrastructure and Basic Services

- Majority of the respondents lived in Thilafushi (74%) and the rest of the respondents lived in Male' (12%), Gulhifalhu (12%) and in a boat or a dhoni (1%).
- 46 percent of the respondents lived in shared rooms, 37 percent in living quarters, 14 percent in single rooms and 3 percent at the project worksite.
- In the majority of the accommodation that respondents lived, the walls are built with concrete blocks plastered with cement (60%) and the rest corrugated iron (25%), wood (12%) and stone (2%); and the roofs are mostly built with corrugated iron (87%).
- 58 percent of the respondents had a separate kitchen in their living premises and out of that 50% use cooking gas for cooking.
- Main sources of drinking water were house/building service connection (34%), public tap water from treated source (30%), bottled water (28%) and rainwater (4%). Similarly the source of water used for washing and bathing include house/building service connection (53%), public tap water from treated source (41%), and rainwater (2%)
- On average it was reported that respondents shared a toilet among 5 to 10 people and 96 percent of the toilets they used were flush latrine connected to piped sewer system.
 15 respondents stated that they use alternated toilets and out of which 3 respondents used public toilets.
- For the question on whether respondents were aware of their rights, 39 percent said "Yes" and 61 percent said "No". In terms of respondents perception on what their basic rights were, majority said right to accommodation (33%) and the rest said right to food (30%), salary (29%), healthcare (29%), leave (26%), safe water and sanitation (26%) and number of working hours (23%).

3.4 Health Condition and Healthcare Services

- 68 percent of the respondents surveyed had a health insurance and 46 percent had a health issue past six months. The common issues reported were fever (65%) and cold (9%). Other issues reported include asthma, breathing problems, throat pain and other body aches and pains.
- 94 percent of those who reported sick saw a doctor and 96 percent went to a health facility in Male'. This could be because a health facility was opened in Thilafushi only recently (July 2019) and with limited facilities and services.

Table 3: Disease Incidence Summary

	No. of respondents'					
Place of Residence	Asthma/Lung related/Allergies/Cold, cough, fever	Water-borne diseases	Vector-borne diseases	Skin diseases		
Male'	16	0	2	0		
Thilafushi	125	0	6	5		
Gulhifalhu	5	0	0	0		
Boat	0	0	0	0		
Other (Villimale and Hulhumale)	0	0	0	0		
Total	146	0	8	5		

Note: Records of water and air borne diseases are not available.

3.5 Solid Waste Management

- Majority of the respondents (66%) and companies (76%) highlighted that they are aware of the health issues related to garbage while 32 percent of the respondents' 24 percent of the companies said that they are not aware of such issues.
- 46 percent of the respondents believed that garbage is a huge problem in their locality, 19 percent of the respondents believed that it is a problem while 8 percent of the respondents reported that they rarely have issues and 25 percent respondents said not an issue at all. Similarly, 46 percent of the companies believed that garbage is a huge problem in their locality, 43 percent believed that it is a problem while 3 percent reported that they rarely have issues and 6 percent said not an issue at all.
- 67 of the respondents and 83 percent of the companies reported that the present practice of waste disposal in Thilafushi, including burning caused health issues and majority of the respondents said main problem was health problems due to air pollution and smoke (59%). Other problems stated include problems due to flies (4%) and problems due to contamination of lagoon (1%).

Solid waste management survey was mostly focused on to the companies based in Thilafushi and Gulheefalhu Islands and hence the key findings stated below in this section are based on the company responses.

- 69 percent reported that they segregate waste while 29 percent said that they do not.
 The companies who segregate waste reported that they segregate waste into plastics (31%), organics (32%), paper (14%) and metal (51%).
- 6 percent of the companies have received training on waste management while the majority 94 percent reported that they have not received any training in this area.

However, 71 percent companies stated that training on solid waste management will be beneficial.

- 37 percent companies said that they sell recyclable materials, while the majority 63 percent said that they do not sell recyclable waste materials.
- 29 percent of companies had door to door waste collection service and 71 percent opted for private arrangement. The frequency of waste collection or disposal services include: daily (9%), weekly (12%), monthly (3%) and irregular (6%).
- 9 percent of the companies reported that they use WAMCO's services for waste disposal. 91 percent said that they made private arrangements. This was evident from the responses as 71 percent of the companies stated that they were poorly satisfied with the present waste collection mechanism.
- 62 percent of the companies said they pay for waste collection and 38 percent said that they did not pay. The amount, companies who were paying for waste disposal, range from MVR 500 – MVR 40,000.
- From the companies currently not using the services of WAMCO for waste disposal, 85 percent stated that they will shift to WAMCO if services were improved and 9 percent said they did not want. In addition, 91 percent companies are willing to pay a reasonable amount to WAMCO if waste disposal practices were improved.
- Most companies (65%) were not aware about Government's program on Solid Waste Management (SWM) improvement through Ministry of environment and WAMCO.

3.6 Other Issues

Other socioeconomic issues, problems and concerns raised by the individual respondents and companies during the survey included:

- No electricity and water services available in some parts of Thilafushi
- No regulations on road safety and parking.
- No regular ferry services were available, hence, the residents had to hire speedboats if there was an emergency medical issue.
- Smoke inhalation is the main problem. Some days smoke becomes so thick that you will not be able to see the person standing next to you.
- No banks and other facilities available on the Islands and therefore, have to go to Male' to send money home.
- Currently, government charging a very high amount for waste disposal.
- Waste management is a hazard. Hope the government solves this problem soon

See *Appendix D* and *Appendix E* for graphical representation of data obtained from individual survey and company survey respectively.

4. Limitations

- Time constraints Since the timeframe for data collection was about 4 days, data collection process was rushed and enumerators may have missed some information given by the respondents. In addition, had to seek permission from the companies to conduct the survey and since most of the companies' heads were based in Male, it was difficult to contact them within the time frame and hence, was not able to get some data such as number of employees from all the companies surveyed.
- Communication The translators were briefed about the survey. However, even translators were not able to comprehend some questions such as "Are you aware of your rights?" and explain to respondents. One reason for this could be that translators competency in formal Dhivehi language may be limited.
- Reluctant or refused to give information on certain questions such as salary and company assets.

5. Recommendations

- Conduct regular assessments of the risk factors involved for residents of Thilafushi and Gulheefalhu and establish mechanisms to reduce risk factors including health hazards.
- Enhance health facility at Thilafushi with improved services to deal with emergency at all times.
- Have schedule ferries at night.
- Develop and improve the current waste management system used
 - Regular collection of waste
 - Create awareness and provide training on proper waste management and individual responsibility
 - Establish a system to collect payment based on the amount of garbage
 - Enact laws and regulations. Penalize those do not abide by the regulations
 - Train WAMCO staff on customer care and establish a grievance procedure and an efficient complaints system
 - Manage waste and abolish burning of waste to minimize health hazards.

APPENDICES

APPENDIX A: List of Tenants Located in Thilafushi

#	TENANT NAME	ZONE	LOCATION	TYPE OF WORK
1	Aasandha Company Limited	Silver	Thilafushi 01	File Storage
2	Waste Management Corporation Limited	-	-	Waste management
3	Villa Hakatha Pvt Ltd	Platinum Plot	Thilafushi 02	LPG storage and refilling plant, bulk cement station, cement packing plant, cement storage, diesel petrol kerosene storage tank, LPG and oxygen, sale of cement and oil, warehousing and All works allowed in Thilafushi
4	Heavy Load Maldives Pvt Ltd			Loading and unloading harbor, warehousing and labor accomodation
5	MTCC	Platinum Plot	Thilafushi 02	Warehousing and slipway
6	MTCC	Gold Plot	Thilafushi 02	Boat building and boat repair
7	Silver Sands Pvt Ltd	Gold Plot	Thilafushi 01	Boat repair and slipway
8	Yacht Tours Maldives	-	-	Slipway work
9	Nalahiya Tradings Pvt Ltd	Platinum Plot	Thilafushi 02	Warehouse of construction materials Shop (by letter no: TCL- PRJ/PRIV/2018/005)
10	State Trading Organization Plc Ltd	Gold Plot	Thilafushi 02	Warehousing
11	Fuel Express Maldves Pvt Ltd	Platinum Plot	Thilafushi 01	Vessel building and servicing fiber glass work
12	Fuel Express Maldves Pvt Ltd	Platinum Plot	Thilafushi 01	Vessel building and servicing fiber glass work
13	Maldives Ports Limited	Platinum Plot	Thilafushi 01	Boat building and boat repair
14	Maldive Gas Pvt Ltd	Platinum Plot	Thilafushi 01	LPG refilling
15	Villa Shipping & Trading Co. Pvt Ltd	Gold Plot	Thilafushi 02	Cooking gas, cement, oxygen tank, diesel, petrol, kerosene storage and sale ,warehousing , boat building and repair ,slipway, engine repair and maintenance workshop for land and sea vessel and labor accommodation
16	Apollo Holdings Pvt Ltd	Platinum Plot	Thilafushi 02	All Works allowed in Thilafushi
17	Sun Transport Pvt Ltd	TIZ	TIZ	Boat Yard
18	Maldive Gas Pvt Ltd	Platinum Plot	Thilafushi 01	LPG
19	Gulf Craft Service Centre Maldives Pvt Ltd	Gold Plot	Thilafushi 02	Speed boat building and repair

TENANT REGISTRY SHEET| GREATER MALE' INDUSTRIAL ZONE LIMITED

20	Gulf Craft Service Centre Maldives Pvt Ltd	Gold Plot	Thilafushi 02	Vessel work
21	Nalahiya Tradings Pvt Ltd	Gold Plot	Thilafushi 02	Warehouse of construction materials
22	Universal Enterprises Pvt Ltd	Platinum Plot	Thilafushi 01	Boat repair
23	Ahmed Luthfee	Platinum Plot	Thilafushi 01	Fiber glass speed boat & fishing boat building and boat repair
24	R.K.L Group Pvt Ltd	Platinum Plot	Thilafushi 01	Warehousing and related works, Cement brick and related works, heavy vehicle parking and repairing related works, land and sea vessel building and repairing and related works
25	Coastline Investments Pvt Ltd	Platinum Plot	Thilafushi 01	Warehousing
26	Al Shaali Marine Maldives Pvt Ltd	Platinum Plot	Thilafushi 01	Vessel repair
27	Coastline Investments Pvt Ltd	Platinum Plot	Thilafushi 01	Vessel repair, all works allowed in Thilafushi, diesel storage tank and warehousing
28	VA Pvt Ltd	Platinum Plot	Thilafushi 02	Warehousing
29	Nalahiya Construction Material	platinum Plot	Thilafushi 02	Warehousing
30	Agas Maldives Pvt Ltd	Gold Plot	Thilafushi 01	Warehousing & land and sea vessel building
31	Uniforce Investment Pvt Ltd	Gold Plot	Thilafushi 01	Warehousing and land and sea vessel building
32	Coastline Investments Pvt Ltd	Silver Plot	Thilafushi 01	Vessel repair
33	Fuel Supplies Maldives Pvt Ltd	Platinum Plot	Thilafushi 01	Vessel building and repair, workshop, labor accommodation and warehousing
34	State Trading Organization Plc Ltd	-	-	N/A
35	Maldives Structural Products Pvt Ltd	Gold Plot	Thilafushi 02	Production of metal sheet
36	Static Company Pvt Ltd	Gold Plot	Thilafushi 01	RO plant workshop (diselination plant manafuacturing), workshop (welding, lathing, engineering and repair works, pannel making), fiber works, warehousing and labor accommodation
37	Villa Hakatha Pvt Ltd	Gold Plot	Thilafushi 02	All works allowed in Thilafushi
38	Waste Management Corporation Limited	-	-	warehousing, accommodation block, parking, garage, recycle facility and office building
39	Tommy Engineering Pvt Ltd			Boat Yard
40	Ministry of Defence and National Security	-	-	MNDF works

41	State Electric Company Ltd	Silver Plot	Thilafushi 02	Electricity sevices to Thilafushi
42	Apollo Holdings Pvt Ltd	Gold Plot	Thilafushi 02	All Works allowed in Thilafushi
43	Apollo Holdings Pvt Ltd	Gold Plot	Thilafushi 02	All Works allowed in Thilafushi
44	Timber House Pvt Ltd	Silver Plot	TIZ	Wood storage and other works
45	The Hawks Pvt Ltd	Platinum Plot	Thilafushi 01	Retail shop, oil supply, brick work, café and boat building
46	Secure Bag (Maldives) Pvt Ltd	Gold Plot	Thilafushi 01	-
47	Muni Enterprises Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
48	A.H. Brothers Pvt Ltd	Silver	Thilafushi 01	Warehousing
49	Alia Investments Pvt Ltd	TIZ	TIZ	Auto Mobile/ Motor Vehicle
50	Amin Construction Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and Carpentry work
51	Apollo Holdings Pvt Ltd	Gold Plot	Thilafushi 02	All Works allowed in Thilafushi
52	Ego Maldives Pvt Ltd	TIZ	TIZ	Warehousing and Carpentry work
53	Marine Export & Trading Company Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and vehicle repair
54	Rainbow Aluminum Pvt Ltd	Gold Plot	Thilafushi 02	Construction work and aluminum works
55	Rainbow Enterprises	Gold Plot	Thilafushi 02	Warehousing, Furniture production and related works
56	Vimla Construction and Trade Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing, carpentry and labor accommodation
57	Alia Investments Pvt Ltd	TIZ	TIZ	Industrial Equipments/ Marine Power Generation
58	Moosa Kaleem	Silver Plot	-	Warehousing of construction materials, hardware materials GI pipe and structural beam
59	Heavy Dockyard Maldives Pvt Ltd	Platinum Plot	Thilafushi 01	All Works allowed in Thilafushi
60	Coastline Investments Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
61	Universal Enterprises Pvt Ltd	Platinum Plot	Thilafushi 01	Warehousing
62	Mild Steel Maldives Pvt Ltd	Gold Plot	Thilafushi 01	Boat yard
63	Sonee Hardware Pvt Ltd	TIZ	TIZ	General harware and Warehousing
64	Sonee Hardware Pvt Ltd	TIZ	TIZ	General harware and Warehousing
65	Sonee Hardware Pvt Ltd	TIZ	TIZ	General harware and Warehousing
66	Mafhaa Private Limited	Gold Plot	Thilafushi 01	Boat building and boat repair
67	Coastline Investments Pvt Ltd	Platinum Plot	Thilafushi 01	Warehousing
68	Heavy Dockyard Maldives Pvt Ltd	Platinum Plot	Thilafushi 01	All Works allowed in Thilafushi
69	Aima Construction Pvt Ltd	TIZ	TIZ	brick works

70	Umet Construction Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and construction work
71	Mohamed Manik	Gold Plot	Thilafushi 01	Warehousing
72	Sunfront Pvt Ltd	-	-	Warehousing
73	MWSC	TIZ	TIZ	Water production and distribution system
74	Coastline Investments Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
75	Apollo Holdings Pvt Ltd	Platinum Plot	Thilafushi 02	All Works allowed in Thilafushi
76	Maldive Gas Pvt Ltd	Platinum Plot	Thilafushi 01	Buffer zone
77	Sunfront Pvt Ltd	Gold Plot	Thilafushi 01	Warehousing
78	Far Horizon Pvt Ltd	Silver Plot	Thilafushi 01	Fish processing plant, ice plant, aquaponics, fiber tub construction, boat construction and boat repair
79	Maziya Service Pvt Ltd	TIZ	TIZ	fabrication and wood work
80	Maldives Ports Limited	-	-	Vehicle storage
81	Sun Transport Pvt Ltd	TIZ	TIZ	Godown ,carpentary , fiber glass works and workshop
82	Abdul Latheef	TIZ	TIZ	Alluminium Workshop
83	Maldives Petroleum Link Pvt Ltd	Platinum Plot	Thilafushi 01	Warehousing and oil works
84	Vermillion International Pvt Ltd	Gold Plot	Thilafushi 01	Warehousing, boat building, machanicale engineering and brick production
85	Simdi Company Pvt Ltd	Gold Plot	Thilafushi 01	Warehousing
86	Nazaki Aluminium Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and aluminum workshop
87	Heavy Load Maldives Pvt Ltd	Silver Plot	Thilafushi 01	All works allowed in Thilafushi
88	Marine Export & Trading Company Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
89	Leo Trading Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing, parking, vehicle repair and temporary labor accommodation
90	Beach Marine Pvt ltd	TIZ	TIZ	Workshop
91	Aaru Pvt Ltd	Silver	Thilafushi 01	Warehousing
92	Abbas Abdulla	Gold	Thilafushi 02	Warehousing of Construction Materials
93	Agas Maldives Pvt Ltd	Gold Plot	Thilafushi 01	Warehousing
94	Ahmed Mujah	Silver Plot	Thilafushi 01	Warehousing, Work shop and live fish
95	Aima Construction Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing & Carpentry
96	Ali Abdulla	Gold Plot	Thilafuhsi 2	Warehousing/Construction Materials
97	Ali Muththalib	TIZ	TIZ	Warehousing, fiber works & workshop
98	Al Shaali Marine Maldives Pvt Ltd	Platinum Plot	Thilafushi 01	Vessel repair
99	Apollo Holdings Pvt Ltd	Platinum Plot	Thilafushi 02	All Works allowed in Thilafushi
100	Aries Enterprises Pvt Ltd	TIZ	TIZ	Warehousing

101	Coastline Investments Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
102	FW Construction Company Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and workshop
103	Fuel Supplies Maldives Pvt Ltd	Silver Plot	Thilafushi 01	Oil works
104	Maldives Petroleum Link Pvt Ltd	Platinum Plot	Thilafushi 01	Workshop and oil works
105	Heavy Force Pvt Ltd	Gold Plot	Thilafushi 01	Vehicle repair
106	Ibrahim Abdul Latheef	-	-	Workshop
107	Ismail Shafeeu	Silver Plot	Thilafushi 01	Warehousing
108	M.T Hojgaard Pvt Ltd	TIZ	TIZ	Concrete work, carpentry, welding and boat repair
109	Nakachafushi Island Resort	Silver Plot	Thilafushi 01	Warehousing
110	Nalahiya Tradings Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
111	Olhahali Investment Pvt Ltd	Gold Plot	Thilafushi 01	Warehousing
112	Reollo Enterprise Pvt Ltd	TIZ	TIZ	Warehousing and workshop
113	Sunfront Pvt Ltd	Gold Plot	Thilafushi 01	Warehousing
114	Sunfront Pvt Ltd	Gold Plot	Thilafushi 01	Warehousing
115	Sunland Trading Company Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
116	Tep Construction Pvt Ltd	TIZ	TIZ	Warehousing of Construction Materials
117	Vista Investments Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and construction work
118	Amin Construction Pvt Ltd	TIZ	TIZ	Warehousing
119	Ahmed Luthfee	Silver Plot	Thilafushi 01	Fiber glass speed boat & fishing boat building and boat repair
120	Moosa Kaleem	Silver Plot	Thilafushi 01	Warehousing
121	Adam Ibrahim	Silver	Thilafushi 01	Warehousing
122	Alia Construction Pvt Ltd	TIZ	TIZ	Warehousing, workshop, carpentry, labor quarter,vessel building, garage and parking zone
123	Umar Zahir	Silver Plot	Thilafushi 01	Warehousing
124	Sandcays Pvt Ltd	TIZ	TIZ	Warehousing and labor accommodation
125	Mohamed Ahmed Abdulla	Silver Plot	Thilafushi 01	Warehousing
126	Coastline Investments Pvt Ltd	Silver Plot	Thilafushi 01	Vessel repair and vessel building
127	Hussain Mohamed Fulhu	Silver Plot	Thilafushi 01	All works allowed in Thilafushi
128	Marine Coral Maldives Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
129	Mohamed Moosa	Silver Plot	Thilafushi 01	Warehousing
130	Ibrahim Rasheed Ali	Silver Plot	Thilafushi 01	Wood warehousing and wood works
131	Waste Management Corporation Limited	-	-	warehousing, accommodation block, parking, garage, recycle facility and office building

132	Mass Enterprises Pvt Ltd	Silver Plot	Thilafushi 01	Wood warehousing and wood works
133	Aima Construction Pvt Ltd	TIZ	TIZ	Vehicle and Barge repair
134	Ali Naashid	Silver Plot	Thilafushi 01	Wood warehousing & wood works
135	Alia Investments Pvt Ltd	Silver Plot	Thilafushi 01	Wood warehousing and wood works
136	FW Construction Company Pvt Ltd	Silver Plot	Thilafushi 01	Wood warehousing and wood works
137	Far Horizon Pvt Ltd	Silver Plot	Thilafushi 01	Wood warehousing and wood works
138	Ibrahim Hassan	Silver Plot	Thilafushi 01	Wood warehousing and wood works
139	Onus Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
140	Sunfront Pvt Ltd	-	-	Warehousing and Carpentry work
141	Timber House Pvt Ltd	Silver Plot	Thilafushi 01	Wood storage and other works
142	Timber Trade Pvt Ltd	Silver Plot	Thilafushi 01	Wood storage and other works
143	Ali Shareef	Silver Plot	Thilafushi 01	Warehousing
144	Ahmed Sinah	Platinum Plot	Thilafushi 01	Dockyard
145	Coastline Investments Pvt Ltd	Silver Plot	Thilafushi 01	All works allowed in Thilafushi
146	Maldives Petroleum Link Pvt Ltd	Platinum Plot	Thilafushi 01	Warehousing
147	Heavy Load Maldives Pvt Ltd	Silver Plot	Thilafushi 01	All works allowed in Thilafushi, except works stated in clause 12 of the agreement.
148	Aaru Pvt Ltd	Silver	Thilafushi 01	Warehousing
149	Hello Maldives Pvt Ltd	Gold Plot	Thilafushi 01	Fish processing plant, ice plant, aquaponics, fiber tub construction, boat construction and boat repair
150	Silver Sands Pvt Ltd	Gold Plot	Thilafushi 01	All works allowed in Thilafushi
151	Bio Diversity Education and Awareness Maldives (BEAM)	-	-	Collecting, segregating and bailing ocean plastic
152	Marine Coral Maldives Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and brick works
153	Damas Company Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and workshop
154	Leo Trading Pvt Ltd	Gold Plot	-	Warehousing and workshop (Heavy vehicle maintenance and services)
155	Mild Steel Maldives Pvt Ltd	-	-	Warehousing
156	Maldives Structural Products Pvt Ltd	Gold Plot	Thilafushi 02	Warehousing
157	Island Engineering Services and Supplies Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
158	Static Company Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
159	Damas Company Pvt Ltd	Silver Plot	Thilafushi 01	Vehicle repair and vehicle storage

160	The Hawks Pvt Ltd	Silver Plot	Thilafushi 01	Bric work, fiber work and carpentry
161	Hussain Khalid	Silver Plot	Thilafushi 01	Warehousing, hotel, shop and labor accommodation
162	Ismail Adil	Silver Plot	Thilafushi 01	Warehousing
163	Hassan Haleem	Silver Plot	Thilafushi 01	Brick work
164	Mohamed Sameer	Silver Plot	Thilafushi 01	Brick work
165	Tep Construction Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing of Construction Materials
166	Monaza Contracting Company Pvt Ltd	Silver Plot	Thilafushi 01	Carpentry, staff accommodation, café, workshop and saloon
167	Mohamed Majid	Silver Plot	Thilafushi 01	Warehousing and Tailor work
168	Saroof Naazim	TIZ	TIZ	Non Flammable works
169	Aaru Pvt Ltd	Silver	Thilafushi 01	Labor Accommodation
170	Agas Maldives Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
171	Ahmed Sameeru	Silver Plot	Thilafushi 01	Warehousing
172	Ahmed Sinah	TIZ	TIZ	Warehousing
173	Ahmed Zareer	TIZ	TIZ	Warehousing
174	Aima Construction Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
175	Aima Construction Pvt Ltd	Silver Plot	Thilafushi 01	All works allowed in Thilafushi
176	Ali Ibrahim Rashid	TIZ	TIZ	Warehousing
177	Apollo Holdings Pvt Ltd	Platinum Plot	Thilafushi 02	All Works allowed in Thilafushi
178	Asian Power Investment Pvt Ltd	TIZ	TIZ	Warehousing and workshop
179	Coastline Investments Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and vehicle repair
180	Coastline Investments Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
181	Dhivehi Meysthiri Pvt Ltd	Silver Plot	Thilafushi 01	All Works allowed in Thilafushi
182	Dhivehi Meysthiri Pvt Ltd	Silver Plot	Thilafushi 01	Carpentry
183	Dynamic Construction and Trading Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and brick works
184	Farifeyran Pvt Ltd	Silver Plot	Thilafushi 01	Brick work, warehousing, cement works, carpentry, workshop, metal works, fiber works, sale of wood and hardware construction work
185	Faunu Enterprises Pvt Ltd	Gold Plot	Thilafushi 01	Vessel repair Shop (by letter no: TCL- LEGAL/PRIV/2018/025)
186	Haajaraa Workshop	Silver Plot	Thilafushi 01	Warehousing and machinery repair
187	Maldives Petroleum Link Pvt Ltd	TIZ	TIZ	Warehousing, labor accommodation and maintences work
188	Maldives Petroleum Link Pvt Ltd	TIZ	TIZ	Warehousing, labor accommodation and maintences work

189	Ibrahim Majid	TIZ	TIZ	Warehousing and Compact works of steel and plastic	
190	Ilyas	Silver Plot	Thilafushi 01	Workshop	
191	Ismail Hilmy	Silver Plot	Thilafushi 01	Warehousing	
192	Ismail Zahir	TIZ	TIZ	Vessel repair	
193	Ives Pvt Ltd	TIZ	TIZ	Warehousing and workshop	
194	Jausa Holdings Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing	
195	LuckyHiya Maldives Pvt	Silver Plot	Thilafushi 01	Warehousing and Carpentry	
195	Ltd	Silver Plot	I miaiusni 01	work	
196	Maldives Road Development Corporation Limited	Silver Plot	Thilafushi 01	Brick works site office	
197	Mohamed Moosa	Silver Plot	Thilafushi 01	Brick work, warehousing, cement works, carpentry, workshop, metal works, fiber works, sale of wood and hardware construction work	
198	Mohamed Naasih	Silver Plot	Thilafushi 01	Vehicle repair	
199	Mohamed Shareef	TIZ	TIZ	Warehousing and services	
200	Muaz Mohamed	TIZ	TIZ	Warehousing	
201	Muni Enterprises Pvt Ltd	TIZ	TIZ	Carpentry	
202	MWSC	Platinum Plot	Thilafushi 01	Water plant and other water related works	
203	MWSC	Platinum Plot	Thilafushi 01	Water supply for Thilafushi	
204	Ocean Brilliant Sea Food International Pvt Ltd	TIZ	TIZ	Fish processing	
205	Prop Pvt Ltd	-	-	N/A	
206	Rasheed Carpentry & Construction Pvt Ltd	Silver Plot	Thilafushi 01	Carpentry	
207	Rasheed Carpentry & Construction Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and Carpentry work	
208	The Hawks Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing, vehicle repair, brick work, oil storage, retail business, boat building and café	
209	Universal Enterprises Pvt Ltd	Silver Plot	Thilafushi 01	Labor Acommodation	
210	Vantha Pvt Ltd	TIZ	TIZ	Warehousing, labor accommodation and boat building and repair	
211	Villa Hakatha Pvt Ltd	Platinum Plot	Thilafushi 02	Warehousing	
212	Villa Hakatha Pvt Ltd	Gold Plot	Thilafushi 02	All works allowed in Thilafushi	
213	Damas Company Pvt Ltd	Silver Plot	Thilafushi 01	All Works allowed in Thilafushi	
214	Maziya Service Pvt Ltd	TIZ	TIZ	Warehousing	
215	Hassan Jawhary	Silver Plot	Thilafushi 01	Warehousing	
216	Damas Company Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing	
217	Sirius Enterprises Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing	
218	Ahmed Lilal			building material storage	
219	Sirius Enterprises Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing	
220	Eye Care Pvt Ltd	TIZ	TIZ	Warehousing, workshop and café	

221	Ahmed Sameeru	Silver Plot	Thilafushi 01	Warehousing and Vessels/Vehicle repair
222	Thoha Mohamed	TIZ	TIZ	Warehousing and Carpentry work
223	Abdul Muhsin Hussain	Gold	-	Warehousing
224	Coastline Investments Pvt Ltd	Silver Plot	Thilafushi 01	N/A
225	Marine Coral Maldives Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
226	Marine Coral Maldives Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
227	Meridium Services Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and oil works
228	Tennssor Holdings Pvt Ltd	TIZ	TIZ	Warehousing and workshop
229	Wheel Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and workshop
230	Asian Power Investment Pvt Ltd	TIZ	TIZ	Vessel repair and production of machine
231	Mario Maldives Pvt Ltd	Silver Plot	Thilafushi 01	Construction work
232	Haneefa Exzim Investment	Silver Plot	Thilafushi 01	Warehousing
233	Ahmed Sameeru	Silver Plot	Thilafushi 01	Warehousing and Workshop
234	Asir Nizar	Silver Plot	Thilafushi 01	Workshop
235	The Wiz Company Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing
236	Mohamed Yoosuf	TIZ	TIZ	Warehousing and brick works
237	Ali Ahmed	TIZ	TIZ	Warehousing, Café, Shop & Workshop
238	The Hawks Pvt Ltd	Silver Plot	Thilafushi 01	Retail shop, oil supply, brick work, café and boat building
239	Ahmed Luthfee	Silver Plot	Thilafushi 01	Fiber glass speed boat & fishing boat building and boat repair
240	LoneStar Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing, workshop and labor accommodation
241	Maldives Petroleum Link Pvt Ltd	TIZ	TIZ	Warehousing, labor accommodation and maintences work
242	Mohamed Waheed Hassan	TIZ	TIZ	Warehousing, shop, café and workshop
243	Rayline Services Pvt Ltd	TIZ	TIZ	Warehousing
244	Mario Maldives Pvt Ltd	Silver Plot	Thilafushi 01	Construction work
245	The Hawks Pvt Ltd	Silver Plot	Thilafushi 01	Retail shop, oil supply, brick work, café and boat building
246	Denicon Construction & Trading Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and construction work
247	Ahmed Naseer	TIZ	TIZ	Warehousing
248	Rishtha Company Pvt Ltd	TIZ	TIZ	Warehousing and brick works
249	Tennssor Holdings Pvt Ltd	TIZ	TIZ	Heavy machinery storage and services
250	Abdulla Abdul Sattar	Silver	Thilafushi 01	Workshop
251	Abdulla Salih	TIZ	TIZ	Warehousing & Workshop
252	Afeef Mohamed	TIZ	TIZ	Labor Accommodation & Café Fiber Glass Work (Allowed through letter)

253	Ahmed Amir	Silver	Thilafushi 01	All Works allowed in Thilafushi
254	Ahmed Mujah	TIZ	TIZ	Warehousing
255	Ali Abdulla	Silver Plot	Thilafushi 01	Workshop
256	Ali Ahmed	TIZ	TIZ	Warehousing, Café, Shop & Workshop
257	Ali Rasheed	Silver Plot	Thilafushi 01	Warehousing
258	Alia Investments Pvt Ltd	TIZ	TIZ	Warehousing and workshop
259	Alia Investments Pvt Ltd	TIZ	TIZ	Warehousing and workshop
260	Alia Investments Pvt Ltd	TIZ	TIZ	Warehousing and workshop
261	Bric Construction	TIZ	TIZ	Workshop and warehouse
262	Coastline Investments Pvt Ltd	Silver Plot	Thilafushi 01	Warehouse
263	Denicon Construction & Trading Pvt Ltd	Silver Plot	Thilafushi 01	Labor Accommodation and shop
264	Dhiraagu	Silver Plot	Thilafushi 01	Mobile antenna
265	Gasim Mahmood	TIZ	TIZ	Workshop
266	Heavy Force Pvt Ltd	Gold Plot	Thilafushi 01	Engineering works
267	Hussain Khalid	TIZ	TIZ	Warehousing & labor accommodation
268	Hussain Nazeeh	Silver Plot	Thilafushi 01	Warehousing
269	Hussain Rasheed	TIZ	TIZ	Warehousing
270	Hussain Shiyam	TIZ	TIZ	Warehousing
271	Hussain Waheed	TIZ	TIZ	Workshop
272	Ibrahim Ali	TIZ	TIZ	Carpentry
273	Jiaz Maldives Pvt Ltd	Silver Plot	TIZ	Warehousing and labor accommodation
274	Meridium Services Pvt Ltd	Silver Plot	Thilafushi 01	Oil works
275	Misraab Trading Co Pvt Ltd	TIZ	TIZ	Warehousing
276	Mohamed Abdul Sattar	Silver Plot	TIZ	Warehousing
277	Mohamed Haleel	Silver Plot	-	Warehousing and workshop
278	Mohamed Musthag	TIZ	TIZ	Warehousing and workshop
279	Mohamed Naasih	-	-	Warehousing
280	Mohamed Rasheed Ahmed	Silver Plot	TIZ	Warehousing, café, workshop and shop
281	Mohamed Rasheed Hussain	TIZ	TIZ	Warehousing, workshop, brick work and machine production
282	Mohamed Shakir	Silver Plot	Thilafushi 01	Vehicle and engine repair
283	Mohamed Shareef	TIZ	TIZ	Metal sheet storage
284	Musthafa Fareed	TIZ	TIZ	Warehousing
285	Naadira Jameel	TIZ	TIZ	Show room and workshop
286	Nasrullah Abdul Waahid	TIZ	TIZ	Warehousing
287	Ocean Logistics Pvt Ltd	TIZ	TIZ	Warehousing of Construction Materials
288	Ooredhoo Maldives Pvt Ltd	Silver Plot	Thilafushi 01	Antenna
289	Pool Chemicals and Services Maldives Pvt Ltd	TIZ	TIZ	Radio station
290	Prestige Group Maldives Pvt Ltd	TIZ	TIZ	Warehousing

291	Relax Maldives Pvt Ltd	TIZ	TIZ	Warehousing, brick work and café	
292	Relax Maldives Pvt Ltd	TIZ	TIZ	Warehousing, brick work and café	
293	Relax Maldives Pvt Ltd	TIZ	TIZ	Brick work and workshop	
294	Riffathulla Ali	TIZ	TIZ	Warehousing, café, workshop and shop	
295	Riznee Mohamed	TIZ	TIZ	Warehousing, labor accommodation and hydroponics agriculture	
296	Shen Maldives Raufa Construction Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing and labor accommodation	
297	Standard and Origin Pvt Ltd	TIZ	TIZ	Warehousing and workshop	
298	Standard and Origin Pvt Ltd	TIZ	TIZ	Warehousing and workshop	
299	Tennssor Holdings Pvt Ltd	TIZ	TIZ	Heavy machinery storage and services	
300	Tennssor Holdings Pvt Ltd	TIZ	TIZ	Heavy machinery storage and services	
301	Try On Maldives Pvt Ltd	TIZ	TIZ	Marine engineering workshop	
302	Umar Zahir	Silver Plot	Thilafushi 01	Clinic	
303	Urban Investment Pvt Ltd	TIZ	TIZ	Warehousing	
304	Well Land Investment Pvt Ltd	TIZ	TIZ	Warehousing and making of name board	
305	Ahmed Nizar	Silver Plot	Thilafushi 01	Garage	
306	B Company Pvt Ltd	TIZ	TIZ	Godown	
307	Hussain Musthaq	Silver Plot	Thilafushi 01	Warehousing	
308	Sunfront Pvt Ltd	Silver Plot	Thilafushi 01	Warehousing of Construction Materials	
309	Wheel Pvt Ltd	Silver Plot	Thilafushi 01	Workshop	
310	Equalise Investment Pvt Ltd	TIZ	TIZ	Auto Repair and maintenance services	
311	Aboobakuru Jauhary	TIZ	TIZ	Vehicles Paintings and cleaning works	
312	Moosa Ali	TIZ	TIZ	metal fabrication	
313	Aujaz Hassan	TIZ	TIZ	Workshop and brick work	
314	Department of Public Health	Silver Plot	Thilafushi 01	Warehousing	
315	Department of Public Health	Silver Plot	Thilafushi 01	Warehousing	
316	State Electric Company Ltd	Silver Plot	Thilafushi 02	Electricity sevices to Thilafushi	
317	State Electric Company Ltd	Silver Plot	Thilafushi 02	Electricity sevices to Thilafushi	
318	State Electric Company Ltd	Silver Plot	Thilafushi 02	Electricity sevices to Thilafushi	
319	State Electric Company Ltd	Silver Plot	Thilafushi 02	Electricity sevices to Thilafushi	
320	Greater Male' Industrial Zone Limited		Thilafushi	Overall administration and management of Thilafushi and Gulhifalhu	

APPENDIX B: Maps of Thilafushi and Gulhifalhu with the surveyed individuals and companies located

INDIVIDUALS LOCATIONS



COMPANIES LOCATIONS



APPENDIX C: Questionnaires for Individual and Company Surveys

(Attached as a separate file)

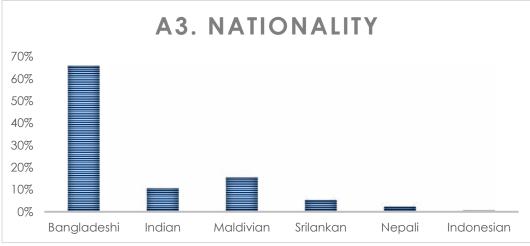
APPENDIX D: Graphical representation of data obtained from individual survey

A2. ISLAND NAME 100% 90% 80% 70% 60% 50% 40% 30% 20% 10% Gulheefalhu Fulafushi

Gulheefalhu	56	13%
Thilafushi	378	87%

A3/A4. Nationality

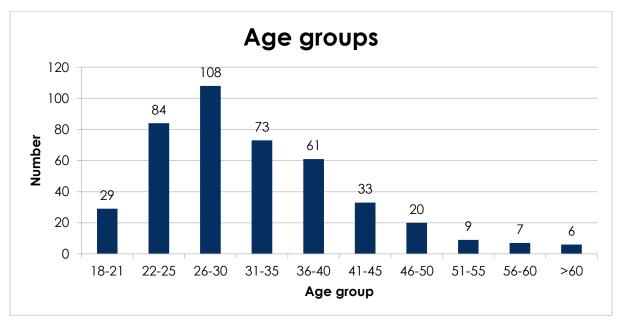
A2. Island Name



Bangladeshi	286	66%
Indian	46	11%
Maldivian	67	15%
Srilankan	23	5%
Nepali	10	2%
Indonesian	2	0%

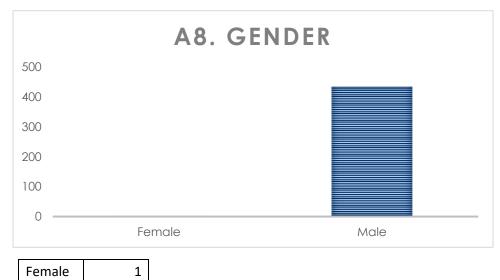
A. GENERAL INFORMATION: RESPONDENT

A7. Age group



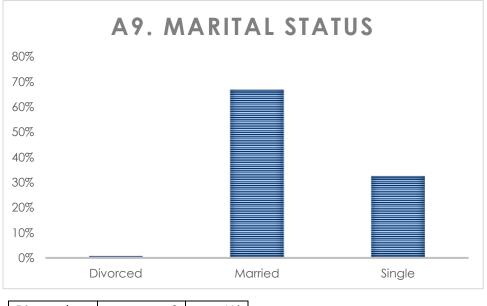
Age group	Count
18-21	29
22-25	84
26-30	108
31-35	73
36-40	61
41-45	33
46-50	20
51-55	9
56-60	7
>60	6
	430

A8. Gender



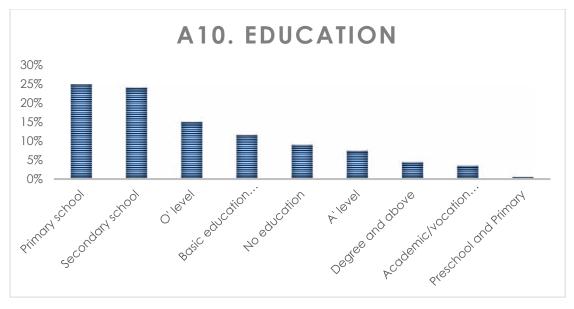
Male	429
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A9. Marital Status



Divorced	3	1%
Married	290	67%
Single	141	32%

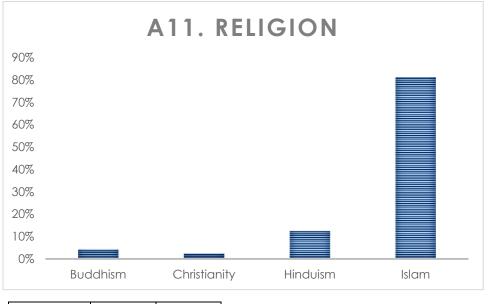
A10. Education



Primary school	108	25%
Secondary school	104	24%
O' level	65	15%
Basic education (basic		
literacy)	50	12%
No education	39	9%
A' level	32	7%

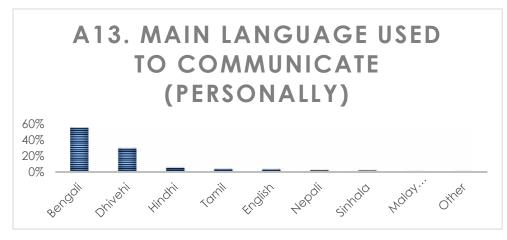
Degree and above	19	4%
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A11/A12. Religion

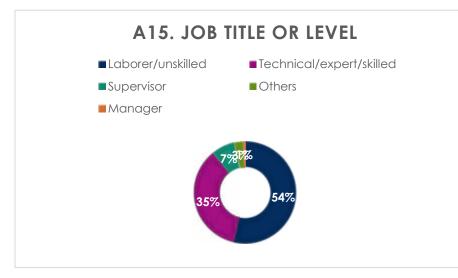


Buddhism	18	4%
Christianity	10	2%
Hinduism	54	12%
Islam	352	81%

A13/A14. Main Language used to communicate

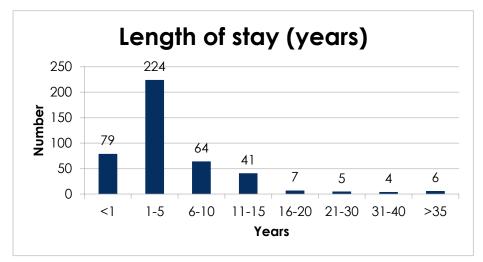


Bengali	239	55%
Dhivehi	127	29%
Hindhi	22	5%
Tamil	15	3%
English	13	3%
Nepali	9	2%
Sinhala	7	2%
Malayalam	1	0%



Laborer/unskilled	233	54%
Technical/expert/skilled	154	35%
Supervisor	32	7%
Others	12	3%
Manager	3	1%

A16. Length of Stay



Length of stay	
(years)	Count
<1	79
1-5	224
6-10	64
11-15	41
16-20	7
21-30	5
31-40	4