#### QUARTERLY EM&A REPORT

OSCAR Bioenergy Joint Venture

Contract No. EP/SP/61/10
Organic Waste Treatment Facilities
Phase 1:
Third Quarterly EM&A Summary
Report

1 December 2015 - 29 February 2016

#### **Environmental Resources Management**

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# Organic Waste Treatment Facilities, Phase I

3<sup>rd</sup> Quarterly EM&A Summary Report (1 December 2015 – 29 February 2016)

(March 2015)

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Position: <u>Inc</u>	ependent Environmental Checke
Date	30 Mar 2016

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1 December 2015 – 29 February 2016 Reference 0279222

For and on behalf of ERM-Hong Kong, Limited				
Approved by: Frank Wan				
Signed: Machine				
Position: Partner				
Certified by:  (Environmental Team Leader - Mandy To)  Certified by:				
(Registered Landscape Architect No. R-150 - Albert Chung)				
Date: 30 March 2016				

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#### **EXECUTIVE SUMMARY**

The construction works of *No. EP/SP/61/10 Organic Waste Treatment Facilities Phase I (the Project)* commenced on 21 May 2015. This is the third quarterly Environmental Monitoring and Audit (EM&A) summary report presenting the EM&A works carried out during the period from 1 December 2015 to 29 February 2016 in accordance with the EM&A Manual.

#### **Environmental Monitoring and Audit Progress**

A summary of the monitoring activities undertaken in this reporting period is listed below:

• Joint Environmental Site Inspection

13 times

• Landscape & Visual Monitoring

7 times

#### Waste Management

Waste generated from this Project includes inert construction and demolition (C&D) materials (public fill) and non-inert C&D materials (construction wastes).

Environmental Exceedance/Non-conformance/Compliant/Summons and Prosecution

No exceedance was recorded during the reporting period.

No non-compliance event was recorded during the reporting period.

No environmental complaint and summon/prosecution was received in this reporting period.

#### 1 INTRODUCTION

ERM-Hong Kong, Limited (ERM) was appointed by OSCAR Bioenergy Joint Venture (the Contractor) as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) programme for the *Contract No. EP/SP/61/10 of Organic Waste Treatment Facilities Phase I (the Project)*.

#### 1.1 Purpose of the Report

This is the third quarterly EM&A summary report, which summarizes the impact monitoring results and audit findings for the EM&A programme during the reporting period from 1 December 2015 to 29 February 2016.

#### 1.2 STRUCTURE OF THE REPORT

The structure of the report is as follows:

#### Section 1: **Introduction**

It details the scope and structure of the report.

#### Section 2: **Project Information**

It summarises background and scope of the Project, site description, project organization, construction programme, the construction works undertaken and the status of Environmental Permits (EP)/licences over the construction phase of the Project.

#### Section 3: Environmental Monitoring Requirements

It summarises the environmental monitoring including monitoring parameters, monitoring programmes, monitoring frequency, monitoring locations, Action and Limit Levels, Event/Action Plans, environmental mitigation measures as recommended in the approved EIA report, EP and relevant environmental requirements stated in the Contract Specification.

## Section 4 : **Implementation Status on Environmental Mitigation Measures**It summarises the implementation of environmental protection measures during the reporting period.

#### Section 5: Waste Management

It summarises the quantity of public fill and construction waste generated in the reporting period

#### Section 6: **Environmental Site Inspection**

It summarises the audit findings of the weekly site inspections undertaken within the reporting period.

#### Section 7: Environmental Non-conformance

It summarises any exceedance of environmental performance standard, and environmental complaints and environmental summons received within the reporting period.

Section 8 : Conclusions

#### PROJECT INFORMATION

#### 2.1 BACKGROUND

2

The Organic Waste Treatment Facilities (OWTF) Phase I development (hereinafter referred to as "the Project") is to design, construct and operate a biological treatment facility with a capacity of about 200 tonnes per day and convert source-separated organic waste from commercial and industrial sectors (mostly food waste) into compost and biogas through proven biological treatment technologies.

The environmental acceptability of the construction and operation of the Project had been confirmed by findings of the associated Environmental Impact Assessment (EIA) Study completed in 2009. The Director of Environmental Protection approved this EIA Report under the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499) in February 2010 (Register No.: AEIAR-149/2010) (hereafter referred to as the approved EIA Report). Subsequent Report on Re-assessment on Environmental Implications and Report on Re-assessment on Hazard to Life Implications were completed in 2013, respectively.

An Environmental Permit (EP) (No. EP-395/2010) was issued by the Environmental Protection Department (EPD) to the EPD, the Permit Holder, on 21 June 2010 and varied on 18 March 2013 (No. EP-395/2010/A) and 21 May 2013 (No. EP-395/2010/B), respectively. The Design Build and Operate Contract for the OWTF (Contract No. EP/SP/61/10 Organic Waste Treatment Facilities Phase I (the Contract)) was awarded to SITA Waste Services Limited, ATAL Engineering Limited and Ros-Roca, Sociedad Anonima jointly trading as the OSCAR Bioenergy Joint Venture (OSCAR or the Contractor). A Further EP (No. FEP-01/395/2010/B) was issued by the EPD to the OSCAR on 16 February 2015. Variation to both EPs No. EP-395/2010/B and No. FEP-01/395/2010/C and No. FEP-01/395/2010/C, were issued by the EPD on 21 December 2015.

Under the requirements of Condition 5 of the EP (No. FEP-01/395/2010/C), an Environmental Monitoring and Audit (EM&A) programme as set out in the Agreement No. CE7/2008 (EP) EM&A Manual (hereinafter referred to as EM&A Manual) is required to be implemented. ERM-Hong Kong, Ltd (ERM) has been appointed by OSCAR as the Environmental Team (ET) to undertake the EM&A programme for the Contract.

The construction works commenced on 21 May 2015 and are scheduled for completion by April 2017.

#### 2.2 GENERAL SITE DESCRIPTION

The Project Site is located at Siu Ho Wan in North Lantau with an area of about 2 hectares. The layout of the upgrading works is illustrated in *Annex A*.

#### 2.3 CONSTRUCTION ACTIVITIES

A summary of the major construction activities undertaken in the reporting period is shown *Table 2.1*. The locations of the construction activities are shown in *Annex B*. The construction programme of the Project is presented in *Annex C*.

#### Table 2.1 Summary of Construction Activities Undertaken in the Reporting Period

#### **Construction Activities Undertaken**

- Construction Works for Building 2 and Leachate Tank
- Excavation Works for Building 1, Building 2 and AD Tank
- Foundation Works for AD Tank
- Loading Test for Ammonia Stripping Plant
- Pile Cap Works for AD Tank
- Raft Foundation Footing Works for Building 2
- Superstructure and Substructure Works for Building 2

#### 2.4 PROJECT ORGANISATION AND MANAGEMENT STRUCTURE

The project organisation chart and contact details are shown in *Annex D*.

#### 2.5 STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS

A summary of the valid permits, licences, and/or notifications on environmental protection for this Project is presented in *Table 2.2*.

Table 2.2 Summary of Environmental Licensing, Notification and Permit Status

Permit/ Licenses/ Notification	Reference	Validity Period	Remarks
Environmental Permit	FEP-	Throughout the	Permit granted on 21
	01/395/2010/C	Contract	December 2015
		Valid until FEP-	Permit granted on 16
	FEP-	01/395/2010/C is	February 2015
	01/395/2010/B	granted	•
Notification of	Ref No. 386715	Throughout the	-
Construction Works		Contract	
under the Air Pollution			
Control (Construction			
Dust) Regulation			
Effluent Discharge	WT00021482-	21 May 2015 - 31	Approved on 21 May
License	2015	May 2020	2015
Construction Noise	GW-RW0396-15	1 April 2015 - 14	-
Permit		January 2016	
	GW-RW0001-16	15 January 2016 - 14	-
		July 2016	
Chemical Waste Producer	WPN 5213-961-	Throughout the	Approved on 29 April
Registration	O2231-01	Contract	2015
Waste Disposal Billing	Account	Throughout the	-
Account	number: 702310	Contract	

## 3 ENVIRONMENTAL MONITORING REQUIREMENT, ENVIRONMENTAL MITIGATION MEASURES

All the relevant environmental mitigation measures listed in the EIA Report and EM&A Manual are summarised in *Annex E*.

According to the EM&A Manual and EP requirement, no air quality, noise and water quality monitoring is required.

Bi-weekly landscape and visual audit is required to ensure that the design, implementation and maintenance of landscape and visual mitigation measures recommended in the EIA Report are fully achieved.

## 4 IMPLEMENTATION STATUS ON ENVIRONMENTAL PROTECTION REQUIREMENTS

The Contractor has implemented environmental mitigation measures and requirements as stated in the approved EIA Report and EM&A Manual. The implementation status of the measures during the reporting period is summarised in *Annex E*.

Wastes generated from this Project include inert construction and demolition (C&D) materials (public fill) and non-inert C&D materials (construction waste). Construction waste comprises general refuse, metals and paper/cardboard packaging materials. Metals generated from the Project are also grouped into construction waste as the materials were not disposed of with others at public fill. Reference has been made to the Monthly Summary Waste Flow Table prepared by the Contractor (see *Annex F*). With reference to the relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are summarised in in *Table 5.1*.

Table 5.1 Quantities of Waste Generated from the Project

Month / Year	Quantity				
	Total Inert C&D	Non-inert C&D Materials (b)			
	Materials Generated (a)	C&D Materials Recycled (c)	C&D Waste Disposed of at Landfill <sup>(d)</sup>	Chemical Waste	
December 2015	2,199.56 tonnes	41.00 kg	21.83 tonnes	0 L	
January 2016	4,601.43 tonnes	18,140 kg	20.86 tonnes	640 L	
February 2016	4,166.42 tonnes	589.00 kg	16.57 tonnes	0 L	

#### **Notes:**

- (a) Inert C&D materials (public fill) include bricks, concrete, building debris, rubble and excavated spoil. In total, 10,967.41 tonnes of inert C&D material were generated from the Project, of which 75.28 tonnes were reused in this Contract and the remaining 10,892.13 tonnes were disposed as public fill to Fill Banks at Tuen Mun Area 38 and Tseung Kwan O Area 137. The detailed waste flow is presented in *Annex F*.
- (b) Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.
- (c) 18,650.00 kg of metals, 120.00 kg of papers/ cardboard packing and 0.00 kg of plastics were sent to recyclers for recycling during the reporting period.
- (d) Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at NENT Landfill by subcontractors.

#### 6 ENVIRONMENTAL INSPECTIONS

#### 6.1 WEEKLY SITE AUDITS

Thirteen site inspections were conducted during the reporting period. There was no non-compliance recorded during the site inspections. Follow-up actions were undertaken as reported by the Contractor and observed in the subsequent weekly site inspections conducted in the reporting period.

December 2015

Joint site inspections were conducted by the representatives of the Contractor, SOR and the ET on 4, 11, 16, 23 and 30 December 2015. The IEC was also present at the joint inspection on 16 December 2015.

January 2016

Joint site inspections were conducted by the representatives of the Contractor, SOR and the ET on 8, 15, 20 and 29 January 2016. The IEC was also present at the joint inspection on 20 January 2016.

February 2016

Joint site inspections were conducted by the representatives of the Contractor, SOR and the ET 5, 12, 17 and 26 February 2016. The IEC was also present at the joint inspection on 17 February 2016.

#### 6.2 LANDSCAPE AND VISUAL AUDIT

Seven landscape and visual monitoring site inspections were conducted during the reporting period. Follow-up actions needed to be implemented were recommended to the Contractor and the status of the follow-up actions was reviewed during the subsequent weekly site inspections. It was confirmed that most of the necessary landscape and visual mitigation measures as summarised in *Annex I* were implemented by the Contractor.

In accordance with the EM&A Manual, bi-weekly landscape and visual inspection is required to ensure that the design, implementation and maintenance of landscape and visual mitigation measures recommended in the EIA Report are fully achieved. The onsite inspection of the landscape and visual mitigation measures has commenced since June 2015 during weekly site inspections.

December 2015

Bi-weekly site inspections were conducted on 4, 16 and 30 December 2015.

January 2016

Bi-weekly site inspections were conducted on 15 and 29 January 2016.

February 2016

Bi-weekly site inspections were conducted on 12 and 26 February 2016.

Key landscape and visual mitigation measures implemented in the reporting period included:

- Provide insect prevention measure to the exposed root of retained tree to prevent potential damage due to the exposure.
- Repair boundary of tree protection zone to ensure the protection is effective.

#### 6.3 EFFECTIVENESS OF MITIGATION MEASURES AND MONITORING

The mitigation measures recommended in the EIA report and required by the EP are considered effective in minimizing environmental impacts.

The EM&A for the Project was conducted as scheduled during the reporting period. No non-compliance events were observed during site inspections and no exceedances were recorded during this reporting period. The EM&A programme is considered effective.

#### 7 ENVIRONMENTAL NON-CONFORMANCE

#### 7.1 SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE

No non-compliance event was recorded during the reporting period.

#### 7.2 SUMMARY OF ENVIRONMENTAL COMPLAINT

No complaint was received during the reporting period. The cumulative environmental complaint log is shown in *Annex G*.

#### 7.3 SUMMARY OF ENVIRONMENTAL SUMMON AND SUCCESSFUL PROSECUTION

No summon/prosecution was received during the reporting period. The cumulative summons/prosecution log is shown in *Annex G*.

#### 8 CONCLUSIONS

This EM&A Report presents the EM&A works undertaken during the reporting period from 1 December 2015 to 29 February 2016 in accordance with EM&A Manual and requirements of EP (FEP-01/395/2010/C).

No air quality, noise and water quality monitoring is required.

Bi-weekly landscape and visual monitoring was conducted in this quarterly period. Most of the necessary landscape and visual mitigation measures recommended in the EIA Report were implemented by the Contractor. Follow-up actions would be implemented by the Contractor to improve protection measures on the retained or to-be transplanted trees.

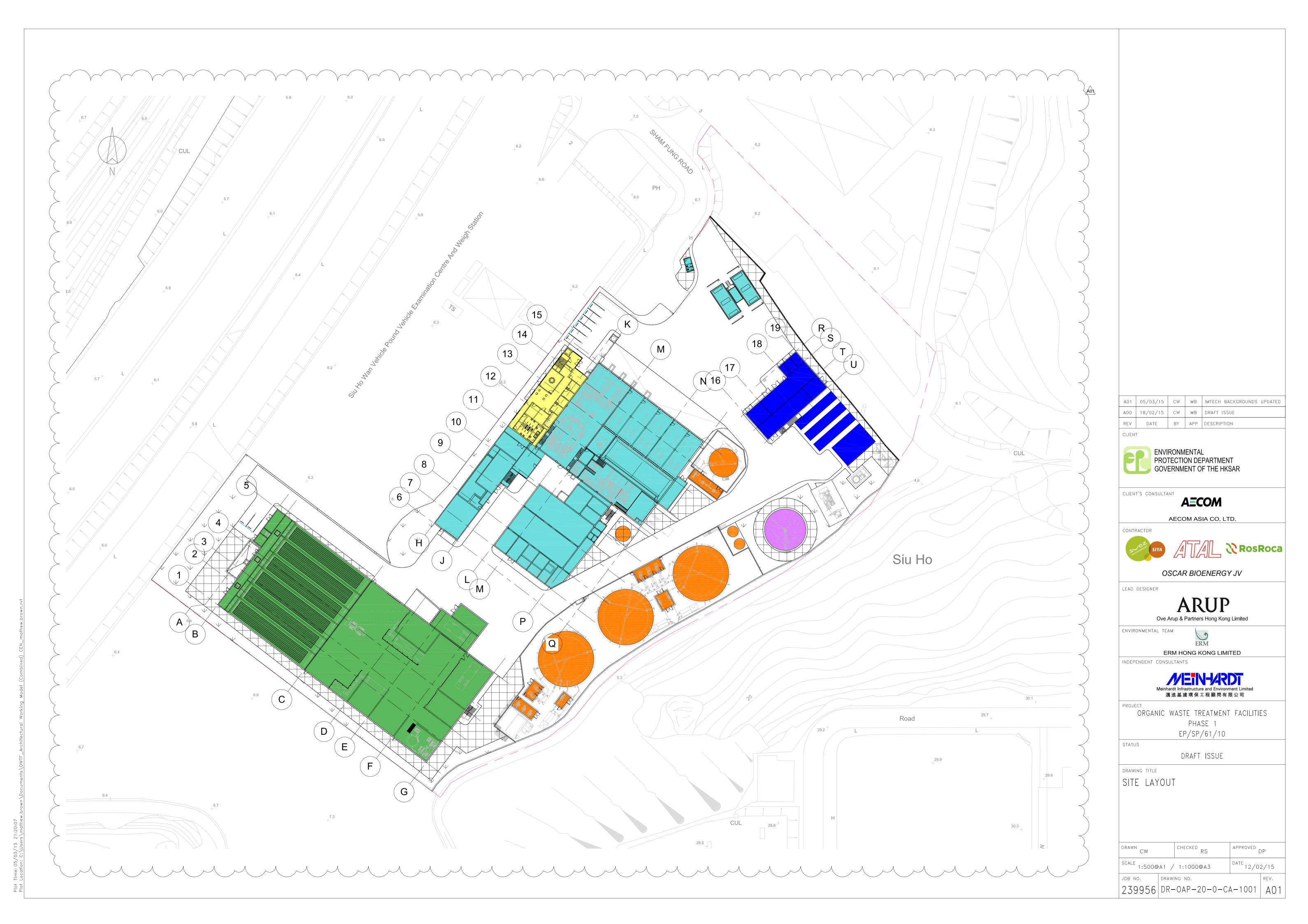
No non-compliance event was recorded during the reporting period.

No complaint and summons/prosecution was received during the reporting period.

The ET will keep track on the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures in the coming periods.

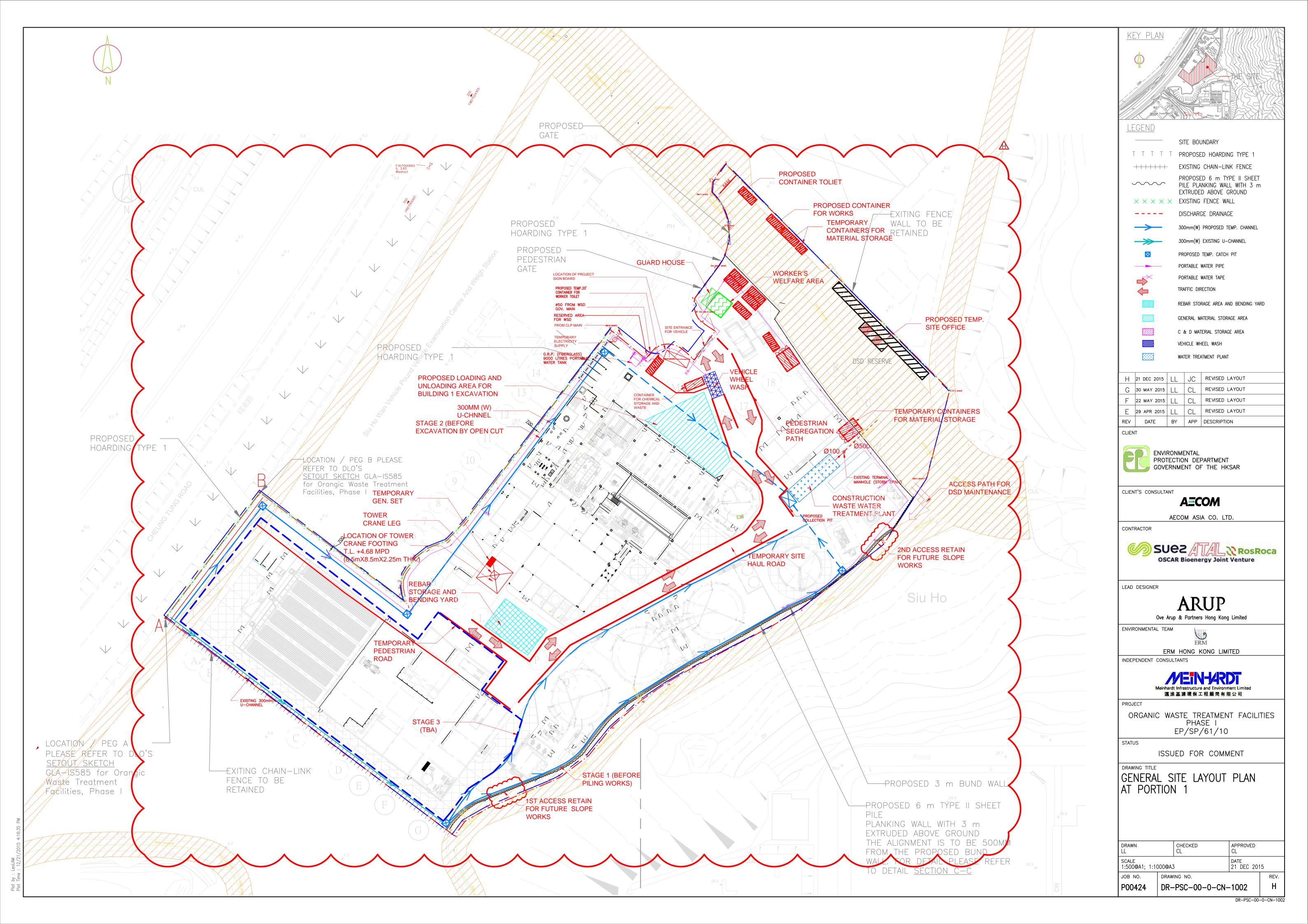
#### Annex A

## Project Layout



#### Annex B

### Works Location

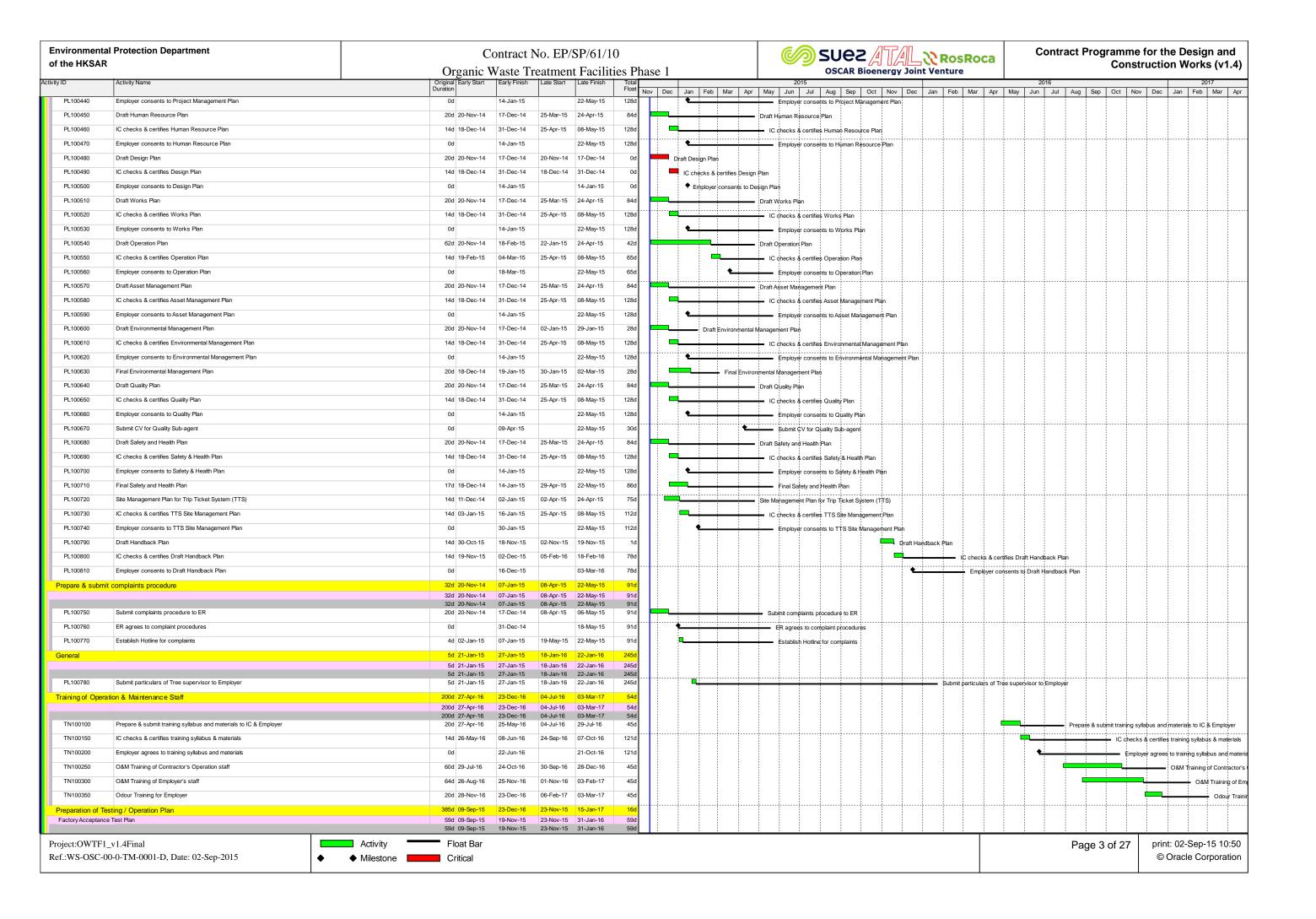


#### Annex C

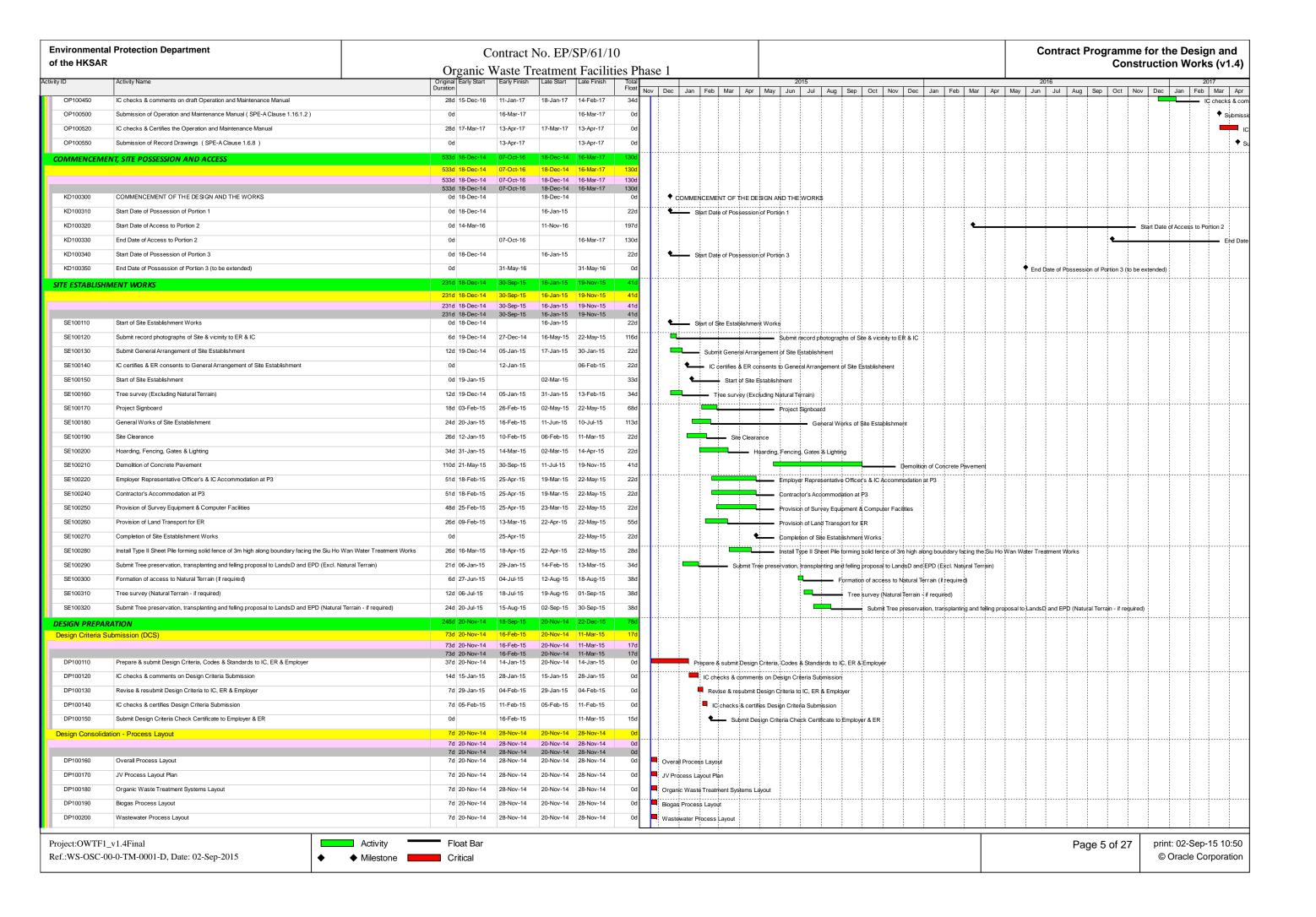
Construction Programme of the Project

**Environmental Protection Department** SUEZ ATAL & RosRoca **Contract Programme for the Design and** Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4) OSCAR Bioenergy Joint Venture** Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr Contract No. EP/SP/61/10 - The Design & Construction Works 1d 19-Nov-14 19-Nov-14 1d 19-Nov-14 19-Nov-14 19-Nov-14 19-Nov-14 1d 19-Nov-14 19-Nov-14 19-Nov-14 19-Nov-14 LETTER OF ACCEPTANCE 1d 19-Nov-14 19-Nov-14 19-Nov-14 19-Nov-14 LETTER OF ACCEPTANCE KD100200 MAJOR MILESTONES 295d 17-Dec-14 16-Dec-15 15-Jan-15 03-Mar-16 MC110100 MC1.1 - Substantial Completion of ER & IC Accommodation 0d 25-Apr-15 22-May-15 MC1.1 Substantial Completion of ER & IC Accord MC1.2 - Joint signing of IC Agreement 0d 17-Dec-14 15-Jan-15 MC110200 MC1.2 - Joint signing of IC Agreement MC1.3 - Employer's consent granted on draft Contractor's Plans 0d 16-Dec-15 03-Mar-16 51d MC110300 MC1.3 - Employer's consent granted on draft Contractor's Plans 23-Feb-16 26-Aug-15 12-Apr-16 218d 20-Jul-15 23-Feb-16 MC2.1 The Employer's consent granted on Detailed Design Submission 218d 20-Jul-15 MC210100 MC2.1.1 - Employer's consent granted in respect of Detailed Design of Waste Receiving & Pre-treatment System 27-Oct-15 MC2.1.1 - Employer's consent granted in respect of Detailed Design of Waste Receiving & Pre-treatment System MC210200 MC2.1.2 - Employer's consent granted in respect of Detailed Design of Anaerobic Digestion Treatment System 0d 20-Oct-15 18-Nov-15 MC2.1.2 Employer's consent granted in respect of Detailed Design of Anaerobic Digestion Treatment System 0d 21d MC210300 MC2.1.3 - Employer's consent granted in respect of Detailed Design of Biogas treatment & CHP Generation System 05-Aug-15 26-Aug-15 MC2.1.3 - Employer's consent granted in respect of Detailed Design of Biogas treatment & CHP Generation System 0d 26-Oct-15 11-Feb-16 108d MC210400 MC2.1.4 - Employer's consent granted in respect of Detailed Design of Composting System MC2.1.4 - Employer's consent granted in respect of Detailed Design of Composting System MC210500 MC2.1.5 - Employer's consent granted in respect of Detailed Design of CAPCS & WWTS 0d 23-Sep-15 02-Nov-15 40d MC2,1.5 - Employer's consent granted in respect of Detailed Design of CAPCS & WWTS MC210600 MC2.1.6 - Employer's consent granted in respect of Detail Design of control & instrumentation works 20-Oct-15 29-Dec-15 MC2.1.6 - Employer's consent granted in respect of Detail Design of control & instrumentation works 0d MC210700 MC2.1.7 - Employer's consent granted in respect of building services & electrical works 04-Nov-15 24-Nov-15 20d MC2.1.7 - Employer's consent granted in respect of building services & electrical works 0d MC2.1.8 - Employer's consent granted in respect of Detailed Design of civil, structural & gented MC2.1.8 - Employer's consent granted in respect of Detailed Design of civil, structural & geotechnical works 23-Feb-16 12-Apr-16 MC210800 Οd MC210900 MC2.1.9 - Employer's consent granted in respect of Detailed Design of architectural & landscape works 03-Dec-15 01-Mar-16 MC2.1.9 - Employer's consent granted in respect of Detailed Design of architectural & landscape works MC2.2 Completion of the Design of the Works 23-Feb-16 12-Apr-16 12-Apr-16 23-Feb-16 12-Apr-16 MC220100 MC2.2 - Completion of the Design of the Works 23-Feb-16 12-Apr-16 MC2.2 - Completion of the Design of the Works 16-Mar-17 16-Mar-17 MC3 Milestones for Construction of the Works 16-Mar-17 427d 06-Jul-15 MC3.1 Construction of Civil and Structural Works 08-Dec-16 06-Jul-15 427d 06-Jul-15 08-Dec-16 16-Mar-17 MC310100 MC3.1.1 - Completion of site formation 08-Dec-15 MC3.1.1 - Completion of site formation MC310200 MC3.1.2 - Completion of 50% of piling works 0d 06-Jul-15 06-Jul-15 MC3.1.2 - Completion of 50% of piling works 0d MC310300 MC3.1.3 - Completion of 100% of piling works 22-Sep-15 08-Apr-16 158d MC3.1.3 - Completion of 100% of piling works MC3.1.4 - Completion of 50% of superstructure works 0d ♦ MC3.1.4 - Completion of 50% of superstructure works MC310400 08-Jan-16 08-Jan-16 MC310500 MC3.1.5 - Completion of 80% of superstructure works 0d 13-Feb-16 13-Feb-16 ♦ MC3.1.5 - Completion of 80% of superstructure works 0d MC3.1.6 - Completion of 100% of superstructure works 11-Apr-16 26-May-16 37d MC310600 MC3.1.6 - Completion of 100% of superstructure works MC310700 MC3.1.7 - Completion of 100% of drainage, road and geotechnical works 0d 08-Dec-16 16-Mar-17 125d 26-Jan-16 02-Jul-16 24-Mar-16 07-Sep-16 MC3.2 Delivery of Materials and Equipment to the Site MC320100 MC3.2.1 - Completion of Delivery of Pre-treatment System MC3.2.1 - Completion of Delivery of Pre-treatment System MC3.2.2 - Completion of Delivery of Anaerobic Digesters 0d 25-Feb-16 24-Mar-16 20d MC320200 MC3.2.2 - Completion of Delivery of Anaerobic Digesters MC320300 MC3.2.3 - Completion of Delivery of Combined Heat and Power Units 0d 02-Jul-16 02-Jul-16 MC3.2.3 - Completion of Delivery of Combined Heat and Power Units 0d MC320400 MC3.2.4 - Completion of Delivery of Composting Tunnels 25-May-16 07-Sep-16 MC3.2.4 - Completion of Delivery of Composting Tunnels MC320500 MC3.2.5 - Completion of Delivery of Centralized Air Pollution Control System 0d 26-Jan-16 03-Jun-16 MC3;2.5 - Completion of Delivery of Centralized Air Pollution Control System MC320600 MC3.2.6 - Completion of Delivery of Wastewater Treatment System 13-Apr-16 19-May-16 MC3.2.6 - Completion of Delivery of Wastewater Treatment System MC3.3 Equipment and System Installations 134d 22-Jun-16 30-Nov-16 17-Aug-16 30-Nov-16 134d 22-Jun-16 30-Nov-16 17-Aug-16 30-Nov-16 MC3.3.1 - Completion of Waste Receiving, Storage and Feeding System & Pre-treatment System MC3.3.1 - Completion of Waste Receiving. Storage and F MC3.3.2 - Completion of Anaerobic Digestion Treatment System 0d 12-Sep-16 12-Sep-16 ♦ MC3.3.2 - Completion of Anaerobic Digestion Treatment S MC330200 0d MC3.3.3 - Completion of Biogas Cleaning and Storage System 29-Nov-16 MC3.3.3 - Completion of Biogas Clea 0d MC330400 MC3.3.4 - Completion of Heat Recovery and Power Generation System 30-Nov-16 30-Nov-16 ♦ MC3.3.4 - Completion of Heat Reco MC330500 0d 19-Nov-16 MC3.3.5 - Completion of Composting System 12-Nov-16 ▲ MC3.3.5 - Completion of Composting Sys 0d MC3.3.6 - Completion of Centralized Air Pollution Control System 10-Nov-16 63d MC330600 25-Aug-16 MC3.3.6 - Completion of Centralized Air Po 0d MC3.3.7 - Completion of Wastewater Treatment System 17-Aug-16 MC3.3.7 - Completion of Wastewater Treatment System MC330800 MC3.3.8 - Completion of control and instrumentation works 0d 19-Aug-16 14-Sep-16 22d MC3.3.8 - Completion of control and instrumentation wor MC330900 MC3.3.9 - Completion of building services works & electrical works MC3.3.9 - Completion of building services work MC3.4 Architectural and Landscape works 0d 31-Dec-16 31-Dec-16 16-Mar-17 16-Mar-17 Project:OWTF1\_v1.4Final Activity Float Bar Page 1 of 27 print: 02-Sep-15 10:50 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation ◆ Milestone Critical

**Environmental Protection Department Contract Programme for the Design and** Contract No. EP/SP/61/10 SUEZ A ROSROCA of the HKSAR **Construction Works (v1.4)** OSCAR Bioenergy Joint Venture Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr MC340100 MC3.4 - Completion of architectural and landscape works 16-Mar-17 15-Jan-17 16-Mar-17 MC3.5 Testing and Commissioning 65d 23-Dec-16 65d 23-Dec-16 16-Mar-17 15-Jan-17 16-Mar-17 MC350100 MC3.5.1 - Employer's consent granted on all FAT,SAT,System Comm.Test,Process Start Up & Process Comm.&Plant 23-Dec-16 15-Jan-17 MC3.5.1 Employer's co MC3.5.2 - Employer's consent granted on all System Commissioning Reports 0d 19-Jan-17 19-Jan-17 MC350200 MC3.5.2 - Employer's co 0d MC350300 MC3.5.3 - Employer's consent granted on the Process Start Up & Process Commissioning Report 27-Feb-17 27-Feb-17 ♦ MC3.5.3 - Em 0d ♦ MC3.5.4 MC3.5.4 - Employer's consent granted on the Plant Commissioning Report 16-Mar-17 16-Mar-17 MC350400 MC3.6 Issuance of the Certificate of Substantial Completion by the Employer 0d 16-Mar-17 16-Mar-17 16-Mar-17 16-Mar-17 0d 16-Mar-17 16-Mar-17 16-Mar-17 16-Mar-17 MC3.6 Issuance of the Certificate of Substantial Completion by the Employer ♦ MC3.6 Is: PRELIMINARY AND GENERAL REQUIREMENT WORKS 20d 20-Nov-14 17-Dec-14 16-Dec-14 24-Apr-15 Appointment and Assignment of Contractor's Superintendents, Designers, IC and ER 20d 20-Nov-14 17-Dec-14 16-Dec-14 24-Apr-15 20d 20-Nov-14 17-Dec-14 16-Dec-14 24-Apr-15 PL100110 Notify the Employer of the proposed Project Manager 5d 20-Nov-14 26-Nov-14 16-Dec-14 22-Dec-14 Notify the Employer of the proposed Project Manager PL100120 Submit Contractor's Management Team to Employer 10d 27-Nov-14 10-Dec-14 23-Dec-14 08-Jan-15 Submit Contractor's Management Team to Employer 0d 10-Dec-14 08-Jan-15 PL100130 Employer appoves proposed Project Manager Employer appoves proposed Project Manage PL100140 Appoint Project Manager 5d 11-Dec-14 17-Dec-14 09-Jan-15 15-Jan-15 Appoint Project Manager 10d 20-Nov-14 03-Dec-14 16-Dec-14 31-Dec-14 PL100150 Jointly Appoint the Independent Consultant with the Employe Jointly Appoint the Independent Consultant with the Employer PL100160 IC to submit names of representatives to Employer & Contractor 20d 20-Nov-14 17-Dec-14 25-Mar-15 24-Apr-15 IC to submit names of representatives to Employer & Contractor PL100180 Employer notifies Contractor of Employer's Representative 17-Dec-14 15-Jan-15 Employer notifies Contractor of Employer's Representative 22-Apr-15 39d 20-Nov-14 16-Jan-15 22-Apr-15 17-Jun-15 39d 20-Nov-14 16-Jan-15 22-Apr-15 17-Jun-15 PL100190 Submit application for Further Environmental Permit 5d 20-Nov-14 26-Nov-14 20-May-15 27-May-15 PL100200 Prepare & submit Emergency Procedures Plan by ET to IEC & ER 12d 20-Nov-14 05-Dec-14 22-Apr-15 08-May-15 Prepare & submit Emergency Procedures Plan by ET to IEC & ER PL100210 IEC checks & verifies Emergency Procedures Plan 10d 08-Dec-14 19-Dec-14 11-May-15 22-May-15 101d (EC checks & verifies Emergency Procedures Plan PL100220 ER approves Emergency Procedures Plan 05-Jan-15 04-Jun-15 101d ER approves Emergency Procedures Plan Submit approved Emergency Procedures Plan to Dir of EP 4d 06-Jan-15 09-Jan-15 05-Jun-15 10-Jun-15 PL100230 101d Submit approved Emergency Procedures Plan to Dir of EP PL100240 Obtain Further Environmental Permit from Dir of EP 16-Jan-15 17-Jun-15 Obtain Further Environmental Permit from Dir of EP 40d 20-Nov-14 19-Jan-15 16-Dec-14 22-May-15 40d 20-Nov-14 19-Jan-15 16-Dec-14 22-May-15 40d 20-Nov-14 19-Jan-15 16-Dec-14 22-May-15 PL100250 Provision of Guarantee to Employer 10d 20-Nov-14 03-Dec-14 02-Jan-15 15-Jan-15 Provision of Guarantee to Employer PL100260 Provision of Undertaking to Employer 10d 20-Nov-14 03-Dec-14 02-Jan-15 15-Jan-15 Provision of Undertaking to Employer 10d 20-Nov-14 03-Dec-14 02-Jan-15 15-Jan-15 PL100270 Provision of Undertakings from related companies to Employer Provision of Undertakings from related companies to Employer PL100280 Provision of the Bond to Employer 15d 20-Nov-14 10-Dec-14 23-Dec-14 15-Jan-15 Provision of the Bond to Employe 20d 20-Nov-14 17-Dec-14 Provision of Contractor's All Risks Insurance PL100290 Provision of Contractor's All Risks Insurance 16-Dec-14 15-Jan-15 PI 100300 Provision of Professional Indemnity Insurance 20d 20-Nov-14 17-Dec-14 16-Dec-14 15-Jan-15 Provision of Professional Indemnity Insurance PL100310 Provision of Employee Compensation Insurance 20d 20-Nov-14 17-Dec-14 16-Dec-14 15-Jan-15 Provision of Employee Compensation Insurance PL100320 Provision of Motor Vehicle Insurance 20d 20-Nov-14 17-Dec-14 16-Dec-14 15-Jan-15 Provision of Motor Vehicle Insurance PL100330 40d 20-Nov-14 19-Jan-15 24-Mar-15 22-May-15 Submit Undertakings & Certificates of PI Insurance Submit Undertakings & Certificates of PI Insurance 25-Mar-15 22-May-15 45d 20-Nov-14 14-Jan-15 45d 20-Nov-14 14-Jan-15 25-Mar-15 22-May-15 45d 20-Nov-14 14-Jan-15 25-Mar-15 22-May-15 PL100340 Prepare & Submit Programme to IC & Employer 10d 20-Nov-14 03-Dec-14 13-Apr-15 24-Apr-15 Prepare & Submit Programme to IC & Employe 14d 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 128d PL100350 ■ IC checks & certifies Programme 0d 14-Jan-15 PL100360 Employer Consents to Contract Programme 22-May-15 128d Employer Consents to Contract Programme PL100370 10d 04-Dec-14 17-Dec-14 11-May-15 22-May-15 103d Prepare & submit 3 months programme to Employer, ER & IC Prepare & submit 3 months programme to Employer, ER & IC Prepare & submit Critical Path Network to Employer, ER & IC 20d 20-Nov-14 17-Dec-14 25-Mar-15 24-Apr-15 PL100380 - Prepare & submit Critical Path Network to Employer, ER & IC 128d PL100390 14d 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 ■ IC checks & certifies Critical Path Network PL100400 Employer Consents to Critical Path Network 0d 14-Jan-15 22-May-15 128d Employer Consents to Critical Path Network Prepare & submit Contractor's Plans to Employer, ER & IC 319d 20-Nov-14 16-Dec-15 20-Nov-14 03-Mar-16 319d 20-Nov-14 16-Dec-15 20-Nov-14 03-Mar-16 PL100410 Sub-contractor Management Plan 20d 20-Nov-14 17-Dec-14 24-Apr-15 22-May-15 103d Sub-contractor Management Pla PL100420 Draft Project Management Plan 20d 20-Nov-14 17-Dec-14 25-Mar-15 24-Apr-15 Draft Project Management Plan 14d 18-Dec-14 31-Dec-14 25-Apr-15 08-May-15 PL100430 IC checks & certifies Project Management Plan 128d Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 2 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation ◆ Milestone Critical



**Environmental Protection Department Contract Programme for the Design and** Contract No. EP/SP/61/10 SUEZ A LA ROSROCA of the HKSAR **Construction Works (v1.4)** OSCAR Bioenergy Joint Venture Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr TP100100 Submission of Factory Acceptance Test Plan TP100110 IC checks & comments on Factory Acceptance Test Plan 14d 09-Oct-15 22-Oct-15 21-Dec-15 03-Jan-16 IC checks & comments on Factory Acceptance Test Plan TP100120 Revise & resubmit Factory Acceptance Test Plan 7d 23-Oct-15 29-Oct-15 04-Jan-16 10-Jan-16 Revise & resubmit Factory Acceptance Test Plan TP100130 IC checks & certifies Factory Acceptance Test Plan 73d 7d 30-Oct-15 05-Nov-15 11-Jan-16 17-Jan-16 IC checks & certifies Factory Acceptance Test Plan Employer Consents to Factory Acceptance Test Plan 0d TP100140 31-Jan-16 Employer Consents to Factory Acceptance Test Plan 57d 31-Dec-15 10-Mar-16 08-Apr-16 18-Jun-16 Site Acceptance Test Plan 57d 31-Dec-15 10-Mar-16 08-Apr-16 TP100200 Submission of Site Acceptance Test Plan 20d 31-Dec-15 28-Jan-16 08-Apr-16 06-May-16 Submission of Site Acceptance Test Plan IC checks & comments on Site Acceptance Test Plan 14d 29-Jan-16 11-Feb-16 08-May-16 21-May-16 100d TP100210 IC checks & comments on Site Acceptance Test Plan TP100220 Revise & resubmit Site Acceptance Test Plan 7d 12-Feb-16 18-Feb-16 22-May-16 28-May-16 100d Revise & resulpmit Site Acceptance Test Plan TP100230 IC checks & certifies Site Acceptance Test Plan 25-Feb-16 29-May-16 04-Jun-16 100d IC checks & certifies Site Acceptance Test Plan TP100240 Employer Consents to Site Acceptance Test Plan 10-Mar-16 18-Jun-16 100d Employer Consents to Site Acceptance Test Plan Detail CV 36d 20-Jun-16 01-Aug-16 09-Sep-16 23-Oct-16 09-Sep-16 23-Oct-16 OP100100 Submission of Detail CV before Process Start up and commissioning 1d 20-Jun-16 20-Jun-16 09-Sep-16 09-Sep-16 Submission of Detail CV before Process Start up and co 14d 21-Jun-16 04-Jul-16 OP100110 IC checks & comments on Detail CV 12-Sep-16 25-Sep-16 IC checks & comments on Detail CV 11-Jul-16 Revise & resubmit Detail CV OP100120 Revise & resubmit Detail CV 7d 05-Jul-16 26-Sep-16 02-Oct-16 83d OP100130 IC checks & certifies Detail CV 03-Oct-16 09-Oct-16 ■ IC dhecks & certifies Detail CV OP100140 Employer Consents to Detail CV before Process Start up and commissioning 0d 01-Aug-16 23-Oct-16 834 Employer Consents to Detail CV before Proce 41d 14-Jun-16 01-Aug-16 30-Sep-16 All System Commissioning Plan 41d 14-Jun-16 01-Aug-16 30-Sep-16 15-Dec-16 OP100150 Submission of All System Commissioning Plan 5d 14-Jun-16 20-Jun-16 30-Sep-16 06-Oct-16 Submission of All System Commissioning Plan OP100160 IC checks & comments on All System Commissioning Plan 17-Nov-16 136d IC checks & comments on All System C Revise & resubmit All System Commissioning Plan 11-Jul-16 OP100170 7d 05-Jul-16 18-Nov-16 24-Nov-16 136d Revise & resubmit All System Comm IC checks & certifies All System Commissioning Plan IC checks & certifies All System Cor OP100190 Employer Consents to All System Commissioning Plan 0d 01-Aug-16 15-Dec-16 136d 40d 01-Aug-16 16-Sep-16 15-Aug-16 02-Oct-16 Process Start Up Plan 40d 01-Aug-16 16-Sep-16 15-Aug-16 02-Oct-16 OP100200 Submission of Process Start up Plan 5d 01-Aug-16 05-Aug-16 15-Aug-16 19-Aug-16 Submission of Process Start up Plan OP100210 IC checks & comments on Process Start up Plan 19-Aug-16 22-Aug-16 04-Sep-16 IC checks & comments on Process Start up Plan OP100220 Revise & resubmit Process Start up Plan 7d 20-Aug-16 26-Aug-16 05-Sep-16 11-Sep-16 Revise & resubmit Process Start up Plan OP100230 IC checks & certifies Process Start up Plan IC checks & certifies Process Start up Plan OP100240 Employer Consents to Process Start up Plan 0d 16-Sep-16 02-Oct-16 Employer Consents to Process Start up Plan 40d 03-Oct-16 18-Nov-16 14-Nov-16 01-Jan-17 40d 03-Oct-16 18-Nov-16 14-Nov-16 01-Jan-17 Submission of Process Commissioning Plan OP100250 5d 03-Oct-16 07-Oct-16 14-Nov-16 18-Nov-16 Submission of Process Commis OP100260 IC checks & comments on Process Commissioning Plan 14d 08-Oct-16 21-Oct-16 21-Nov-16 04-Dec-16 IC checks & comments on Proces Revise & resubmit Process Commissioning Plan 28-Oct-16 05-Dec-16 11-Dec-16 OP100270 7d 22-Oct-16 Revise & resubmit Process Com OP100280 IC checks & certifies Process Commissioning Plan 7d 29-Oct-16 04-Nov-16 12-Dec-16 18-Dec-16 IC checks & certifies Process ( OP100290 Employer Consents to Process Commissioning Plan 18-Nov-16 01-Jan-17 Employer Consents to Pro Operation Plan 36d 21-Jun-16 02-Aug-16 07-Oct-16 18-Nov-16 36d 21-Jun-16 02-Aug-16 07-Oct-16 18-Nov-16 Submission of Operation Plan OP100300 07-Oct-16 07-Oct-16 1d 21-Jun-16 21-Jun-16 Submission of Operation Plan OP100310 IC checks & comments on Operation Plan 14d 22-Jun-16 05-Jul-16 08-Oct-16 21-Oct-16 108d IC checks & comments on Opera OP100320 Revise & resubmit Operation Plan 7d 06-Jul-16 12-Jul-16 22-Oct-16 28-Oct-16 Revise & resubmit Operation Plan OP100330 IC checks & certifies Operation Plan 7d 13-Jul-16 19-Jul-16 29-Oct-16 04-Nov-16 108d IC checks & certifies Operation Plan Employer Consents to Operation Plan 18-Nov-16 OP100340 02-Aug-16 Employer Consents to Oberation Plan 41d 07-Nov-16 23-Dec-16 28-Nov-16 15-Jan-17 Plant Commissioning Plan 41d 07-Nov-16 23-Dec-16 28-Nov-16 15-Jan-17 OP100350 Submission of Plant Commissioning Plan 28-Nov-16 02-Dec-16 Submission of Plant Commissioning 14d 12-Nov-16 25-Nov-16 05-Dec-16 18-Dec-16 OP100360 IC checks & comments on Plant Commissioning Plan IC checks & comments on Plan Revise & resubmit Plant Commissioning Plan Revise & resubmit Plant Com 7d 03-Dec-16 09-Dec-16 26-Dec-16 01-Jan-17 IC checks & certifies Plant ( OP100380 IC checks & certifies Plant Commissioning Plan 23d Employer Consents to Plant Commissioning Plan Employer Consents to Pla 96d 15-Dec-16 18-Jan-17 13-Apr-17 eration and Maintenance Manuals and Record Drawings 96d 15-Dec-16 13-Apr-17 18-Jan-17 13-Apr-17 96d 15-Dec-16 13-Apr-17 18-Jan-17 13-Apr-17 OP100400 Submission of draft Operation and Maintenance Manual (SPE-A Clause 1.16.1.1) Submission of draft Ope 0d 15-Dec-16 18-Jan-17 Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 4 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation ◆ Milestone Critical



**Environmental Protection Department Contract Programme for the Design and** SUEZ A LA ROSROCA Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4)** OSCAR Bioenergy Joint Venture Organic Waste Treatment Facilities Phase 1 Activity Name Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr DP100210 Waste Air Process Layou 20-Nov-14 28-Nov-14 DP100220 Completion of Process Layout 0d 28-Nov-14 28-Nov-14 Completion of Process Lavout Waste Receiving, Pre-treatment & Administration Building #1 9d 01-Dec-14 11-Dec-14 05-Dec-14 18-Dec-14 9d 01-Dec-14 11-Dec-14 05-Dec-14 18-Dec-14 9d 01-Dec-14 11-Dec-14 05-Dec-14 18-Dec-14 Waste Reception Area Layout DP110110 Waste Reception Area Layout 9d 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 DP110120 Pre-treatment System Layout Pre-treatment System Layout 9d 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 Wastewater Treatment System Layout DP110130 Wastewater Treatment System Layout Administration Building Layout Administration Building Layout 9d 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 Centralized Air Pollution Control System Layout DP110150 Centralized Air Pollution Control System Layout 9d 01-Dec-14 11-Dec-14 05-Dec-14 17-Dec-14 Completion of Pre-Treatment Building Layout 0d 11-Dec-14 18-Dec-14 Completion of Pre-Treatment Building Layout DP110160 9d 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 9d 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 9d 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 Composting Tunnel Layout DP210110 Composting Tunnel Layout 9d 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 DP210120 Maturation Area & Facilities Lavout 9d 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 Maturation Area & Facilities Layout 9d 01-Dec-14 11-Dec-14 08-Dec-14 18-Dec-14 DP210130 Digestate Dewatering System Layout Digestate Dewatering System Layout DP210140 Completion of Compositing Building Layout 0d 11-Dec-14 18-Dec-14 Completion of Compositing Building Layout 46d 01-Dec-14 05-Feb-15 01-Dec-14 05-Feb-15 Auxiliary Buildings & Facilities Layout #3 46d 01-Dec-14 05-Feb-15 01-Dec-14 05-Feb-15 46d 01-Dec-14 05-Feb-15 01-Dec-14 05-Feb-15 Anaerobic Digestion Treatment System Layou Anaerobic Digestion Treatment System Layout 9d 01-Dec-14 11-Dec-14 01-Dec-14 11-Dec-14 DP310120 Biogas Cleaning and Storage System Layout Biogas Cleaning and Storage System Layout DP310130 Heat Recovery and Power Generation System Layout 9d 01-Dec-14 11-Dec-14 01-Dec-14 11-Dec-14 Heat Recovery and Power Generation System Layout DP310140 Weighbridge System Layout 9d 01-Dec-14 11-Dec-14 01-Dec-14 11-Dec-14 Weighbridge System Layout DP310150 Switchgear Room & Facilities Layou 11-Dec-14 01-Dec-14 11-Dec-14 Switchgear Room & Facilities Layout DP310160 Continuous Emission Monitoring System Layout 9d 01-Dec-14 11-Dec-14 01-Dec-14 11-Dec-14 Continuous Emission Monitoring System Layout DP310170 Completion of Auxiliary Buildings Layout 11-Dec-14 Completion of Auxiliary Buildings Layout Piled Foundation DP310180 Piled Foundation 10d 23-Jan-15 05-Feb-15 23-Jan-15 05-Feb-15 56d 01-Dec-14 23-Feb-15 18-Dec-14 08-May-15 56d 01-Dec-14 23-Feb-15 18-Dec-14 08-May-15 DP100510 Topographic Survey 14d 06-Jan-15 23-Jan-15 20-Apr-15 08-May-15 Toppgraphic Survey 11-Dec-14 18-Dec-14 DP100520 Completion of Design Layout Completion of Design Layout DP100530 Completion of Design Preparation 0d 23-Feb-15 08-May-15 Completion of Design Preparation 5d 01-Dec-14 05-Dec-14 05-Mar-15 11-Mar-15 Frozen E&M Equipment Loading and General Layout DP100540 Frozen E&M Equipment Loading and General Lavou Finalized E&M Equipment Detail DP100550 Finalized E&M Equipment Detail 42d 19-Dec-14 23-Feb-15 09-Jan-15 11-Mar-15 12d 225d 20-Nov-14 25-Aug-15 20-Nov-14 10-Oct-15 ation (including Natural Terrain Hazards) 225d 20-Nov-14 25-Aug-15 20-Nov-14 10-Oct-15 225d 20-Nov-14 25-Aug-15 20-Nov-14 10-Oct-15 Prepare & submit GI Plan to IC & ER Prepare & submit GI Plan to IC & ER IC certifies GI Plan 10d 04-Dec-14 17-Dec-14 04-Dec-14 17-Dec-14 DP100570 IC certifies GI Plan DP100580 ER Consents to GI Plan ER Consents to GI Plan DP100590 Mobilization and Appointment of GI Sub-Contractor 21d 20-Nov-14 13-Dec-14 04-Dec-14 30-Dec-14 Mobilization and Appointment of GI Sub-Contractor DP100600 Fieldwork (Including Predrilling and works at Natrual Terrain Unit 4) 14-Feb-15 06-Jan-15 14-Feb-15 Fieldwork (Including Predrilling and works at Natrual Terrain Unit 4) DP100610 Preliminary Fieldwork Report for AD Tanks Piling Design 3d 20-Jan-15 22-Jan-15 20-Jan-15 22-Jan-15 Preliminary Fieldwork Report for AD Tanks Piling Design DP100620 Final Fieldwork Report and Geotechnical Interpretative Report 8d 16-Feb-15 27-Feb-15 28-Mar-15 10-Apr-15 Final Fieldwork Report and Geotechnical Interpretative Report Fieldwork (Natural Terrain - if required) 8d 17-Aug-15 25-Aug-15 02-Oct-15 10-Oct-15 ين. DP100655 Fieldwork (Natural Terrain - if required) 39d 06-Jan-15 23-Feb-15 17-Feb-15 02-Jun-15 39d 06-Jan-15 23-Feb-15 17-Feb-15 02-Jun-15 DP100660 Excavation for Plate Load Test 31d 06-Jan-15 10-Feb-15 17-Feb-15 27-Mar-15 Excavation for Plate Load Test Setup Loading platform and equipment for Plate Loat Test 15-Jan-15 24-Feb-15 02-Mar-15 DP100670 Setup Loading platform and equipment for Plate Loat Test Carry-out Plate Load Test PLT6~8 (Bldg # 2) 6d 16-Jan-15 22-Jan-15 03-Mar-15 09-Mar-15 DP100680 Carry-out Plate Load Test PLT6~8 (Bldg # 2) DP100690 Carry-out Plate Load Test PLT9~11 (Bldg # 1) 10-Mar-15 16-Mar-15 Carry-out Plate Ldad Test PLT9~11 (Bldg # 1) Carry-out Plate Load Test PLT2, 3, & 5 (Bldg #3) DP100700 6d 30-Jan-15 05-Feb-15 17-Mar-15 23-Mar-15 Carry-out Plate Load Test PLT2, 3, & 5 (Bldg #3) DP100710 Carry-out Plate Load Test PLT1 & 4 (Bldg #3) 12-Feb-15 Carry-out Plate Load Test PLT1 & 4 (Bldg #3) DP100720 Prepare Preliminary Report for PLT6~8 (Bldg # 2) 2d 23-Jan-15 24-Jan-15 10-Mar-15 11-Mar-15 Prepare Preliminary Report for PLT6~8 (Bldg # 2) Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 6 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation Milestone Critical

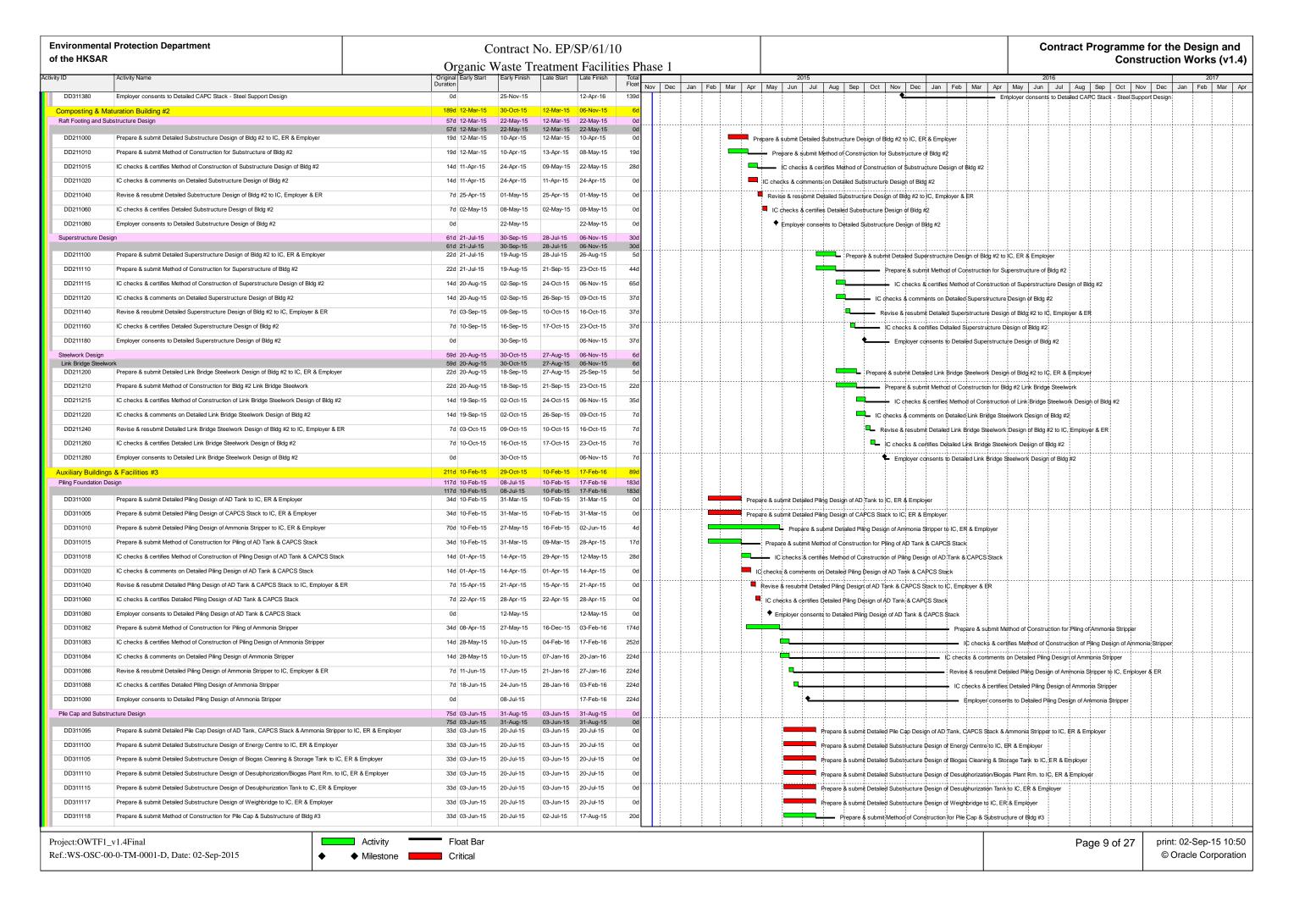
**Environmental Protection Department** SUEZ ATAL & RosRoca **Contract Programme for the Design and** Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4) OSCAR Bioenergy Joint Venture** Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr DP100730 Prepare Preliminary Report for PLT9~11 (Bldg#1 Prepare Preliminary Report for PLT9~11 (Bldg#1) DP100740 Prepare Preliminary Report for PLT2, 3, & 5 (Bldg #3) 2d 06-Feb-15 07-Feb-15 01-Jun-15 02-Jun-15 Prepare Preliminary Report for PLT2, 3, & 5 (Bldg #3) DP100750 Prepare Preliminary Report for PLT1&4 (Bldg #3) 2d 13-Feb-15 14-Feb-15 31-Mar-15 01-Apr-15 Prepare Preliminary Report for PLT1&4 (Bldg #3) Issue Formal Report for Plate Load Test Issue Formal Report for Plate Load Test DP100760 4d 16-Feb-15 23-Feb-15 02-Apr-15 10-Apr-15 85d 14-Apr-15 13-Aug-15 Environmental Review Report (ERR) Air Quality Impact Assessment (AQIA) 17-Jun-15 16-Jul-15 16-Jul-15 26-Aug-15 DP100770 Forecast of 2031 traffic data 30d 14-Apr-15 27-May-15 orecast of 2031 traffic data 45d 14-Apr-15 17-Jun-15 16-Jul-15 16-Sep-15 Air dispersion modelling Landscape & Visual Impact Assessment (LVIA) 45d 14-Apr-15 17-Jun-15 16-Jul-15 16-Sep-15 DP100790 Update photomontages 45d 14-Apr-15 17-Jun-15 16-Jul-15 16-Sep-15 Update photomontages view Report (ERR) 40d 18-Jun-15 13-Aug-15 17-Sep-15 16-Nov-15 DP100800 Prepare & submit ERR to EPD for informal review 20d 18-Jun-15 16-Jul-15 17-Sep-15 16-Oct-15 Prepare & submit ERR to EPD for informal review DP100810 EPD to issue administrative comments on ERR 0d EPD to issue administrative comments on ERR Variation Environmental Permit (VEP) 26d 14-Aug-15 18-Sep-15 17-Nov-15 22-Dec-15 26d 14-Aug-15 18-Sep-15 17-Nov-15 22-Dec-15 DP100820 Revise ERR and submit VEP to Director of EPD 20-Aug-15 17-Nov-15 23-Nov-15 Revise ERR and submit VEP to Director of EPD 18-Sep-15 DP100830 EPD issue VEP 0d 22-Dec-15 EPD issue VEP DETAILED DESIGN SUBMISSION (DDS) - GENERAL, CIVIL, ABWF AND LANDSCAPE 347d 19-Dec-14 23-Feb-16 19-Dec-14 28-Sep-16 Overall Design 19-Dec-14 27-Aug-15 General Building Plans Design 178d 19-Dec-14 30-Jul-15 19-Dec-14 27-Aug-15 DD101000 Prepare & submit General Building Plans to Stat Authorities/ Government, IC, ER & Employer 105d 19-Dec-14 28-May-15 19-Dec-14 28-May-15 are & submit General Building Plans to Stat Authorities/ Government, IC, ER & Employe 0d DD101020 General Building Plans endorsed by Stat Authorities/ Governmen 17-Jun-15 ◆ General Building Plans endorsed by Stat Authorities/ Government 0d DD101040 Submit General Building Plans to IC, ER & Employer 18-Jun-15 18-Jun-15 Submit General Building Plans to IC, ER & Employer IC checks & comments on General Building Plans 14d 19-Jun-15 02-Jul-15 19-Jun-15 02-Jul-15 IC checks & comments on General Building Plans DD101080 Revise & resubmit General Building Plans to IC, ER & Employer 7d 03-Jul-15 09-Jul-15 03-Jul-15 09-Jul-15 Revise & resubmit General Building Plans to IC, ER & Employe IC checks & certifies General Building Plans 10-Jul-15 16-Jul-15 IC checks & certifies General Building Plans Employer consents to General Building Plans DD101120 0d 30-Jul-15 27-Aug-15 Employer consents to General Building Plans 188d 19-Dec-14 11-Aug-15 08-Jan-15 27-Aug-15 Fire Safety Strategy Report 188d 19-Dec-14 11-Aug-15 08-Jan-15 27-Aug-15 DD102110 Prepare & submit Detailed Design of Fire Safety Strategy Report to Stat Authorities/ Government, IC, ER & Employer 14d 19-Dec-14 12-Jan-15 08-Jan-15 27-Jan-15 pare & submit Detailed Design of Fire Safety Strategy Report to Stat Authorities/ Government, IC, ER & Employer DD102115 Comment from FSD Prepare & Re-submit Fire Safety Strategy Report to FSD Prepare & Re-submit Fire Safety Strategy Report to FSD DD102120 40d 31-Mar-15 01-Jun-15 20-Apr-15 16-Jun-15 DD102130 Liaison with FSD for Agreement of EVA 60d 31-Mar-15 29-Jun-15 20-Apr-15 15-Jul-15 Liaison with FSD for Agreement of EVA 0d 15-Jul-15 DD102140 Detailed Design of Fire Safety Strategy Report Approved by FSD 29-Jun-15 Detailed Design of Fire Safety Strategy Report Approved by FSD DD102180 Submit Detailed Design of Fire Safety Strategy Report to IC, ER & Employe 30-Jun-15 16-Jul-15 Submit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer DD102200 IC checks & comments on Detailed Design of Fire Safety Strategy Report 14-Jul-15 17-Jul-15 IC checks & comments on Detailed Design of Fire Safety Strategy Report 14d 01-Jul-15 30-Jul-15 DD102220 Revise & resubmit Detailed Design of Fire Safety Strategy Report to IC, ER & Employe Revise & resubmit Detailed Design of Fire Safety Strategy Report to IC, ER & Employe IC checks & certifies Detailed Design of Fire Safety Strategy Report DD102240 IC checks & certifies Detailed Design of Fire Safety Strategy Report 7d 22-Jul-15 28-Jul-15 07-Aug-15 13-Aug-15 Employer consents to Detailed Design of Fire Safety Strategy Report DD102260 11-Aug-15 Employer consents to Detailed Design of Fire Safety Strategy Report 48d 23-Mar-15 03-Jun-15 24-Jun-15 31-Aug-15 Lavout Drawings DD120010 Prepare & submit Site Wide Layout Drawings for ArchSD Comment 48d 23-Mar-15 03-Jun-15 24-Jun-15 31-Aug-15 Prepare & submit Site Wide Layout Drawings for Arch\$D Comment DD120020 Prepare & submit Architectural Layout Drawings of Building #2 for ArchSD Comment 48d 23-Mar-15 03-Jun-15 24-Jun-15 31-Aug-15 Prepare & submit Architectural Layout Drawings of Building #2 for ArchSD Comment DD120030 48d 23-Mar-15 03-Jun-15 24-Jun-15 31-Aug-15 Prepare & submit Architectural Layout Drawings of Building #1 for ArchSD Comment Prepare & submit Architectural Layout Drawings of Building #1 for ArchSD Comment 48d 23-Mar-15 03-Jun-15 24-Jun-15 31-Aug-15 Prepare & submit Architectural Layout Drawings of Building #3 for ArchSD Comment 62d DD120040 Prepare & submit Architectural Layout Drawings of Building #3 for ArchSD Comment Geotechnical Design including Natural Terrain Hazard Mitigation works 303d 12-Feb-15 23-Feb-16 25-Feb-15 28-Sep-16 178 Geotechnical Interpretative Report 91d 12-Feb-15 08-Jun-15 25-Feb-15 27-Jul-15 Prepare & submit Geotechnical Interpretative Report to GEO 30d 12-Feb-15 27-Mar-15 25-Feb-15 10-Apr-15 DD101140 Prepare & submit Geotechnical Interpretative Report to GEO DD101160 GEO - Comment on Geotechnical Interpretative Report 0d 24-Apr-15 08-May-15 GEO - Comment on Geotechnical Interpretative Report 0d 15-Jun-15 DD101180 Submit Geotechnical Interpretative Report to IC, ER & Employer 27-Apr-15 Submit Geotechnical Interpretative Report to IC, ER & Employer DD101200 IC Checks & comments on Geotechnical Interpretative Report 14d 28-Apr-15 11-May-15 16-Jun-15 29-Jun-15 IC Checks & comments on Geotechnical Interpretative Report DD101220 Revise & resubmit Geotechnical Interpretative Report to IC, Employer & ER 7d 12-May-15 18-May-15 30-Jun-15 06-Jul-15 Revise & resubmit Geotechnical Interpretative Report to IC, Employer & ER DD101240 IC checks & certifies Geotechnical Interpretative Report 7d 19-May-15 25-May-15 07-Jul-15 13-Jul-15 IC checks & certifies Geotechnical Interpretative Report 0d DD101260 Employer consents to Geotechnical Interpretative Report 08-Jun-15 27-Jul-15 Employer consents to Geotechnical Interpretative Report 147d 26-Aug-15 23-Feb-16 12-Oct-15 28-Sep-16 Natural Terrain Hazard Mitigation Prepare & submit NTH Assessment Study report to GEO DD101280 30d 26-Aug-15 08-Oct-15 12-Oct-15 23-Nov-15 Prepare & submit NTH Assessment Study report to GEO Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 7 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation ◆ Milestone Critical

**Environmental Protection Department Contract Programme for the Design and** SUEZ ATTALL ROSROCA Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4) OSCAR Bioenergy Joint Venture** Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr DD101300 GEO - Approval of NTH Assessment Study report DD101320 Prepare & submit Design of NTH Mitigation works to GEO 20d 06-Nov-15 03-Dec-15 22-Dec-15 20-Jan-16 320 Prepare & submit Design of NTH Mitigation works to GEO DD101330 Prepare & submit NTH Mitigation Method of Construction 173d 18-Aug-16 14-Sep-16 Prepare & submit NTH MitIgation Method of Construction IC checks & certifies Method of Construction of NTH Mitigation Design 254d DD101335 14d 05-Jan-16 18-Jan-16 15-Sep-16 28-Sep-16 IC checks & certifies Method of Construction of NTH 0d 04-Jan-16 24-Jun-16 116 GEO - Approval of NTH Mitigation Design Submit NTH Mitigation Design to IC, ER & Employer 0d 116d DD101360 05-Jan-16 27-Jun-16 Submit NTH Mitigation Design to IC, ER & Employer IC checks & comments on NTH Mitigation Design DD101380 14d 06-Jan-16 IC checks & comments on NTH Mitigation Design DD101400 Revise & resubmit NTH Mitigation Design to IC, Employer & ER 7d 20-Jan-16 26-Jan-16 25-Aug-16 31-Aug-16 218d Revise & resubmit NTH Mitigation Design to IC, Employer & DD101420 IC checks & certifies NTH Mitigation Design 14-Sep-16 218d IC checks & certifies NTH Mitigation Design Employer consents to NTH Mitigation Design 23-Feb-16 218d DD101440 0d 28-Sep-16 Employer consents to NTH Mitigation Design DD101460 Prepare & submit Design of Manmade Slope to GEO 03-Dec-15 22-Dec-15 repare & submit Design of Manmade Slope to GEO 14-Sep-16 173d DD101470 Prepare & submit Manmade Slope Method of Construction 20d 04-Dec-15 04-Jan-16 18-Aug-16 Prepare & submit Manmade Slope Method of Construct DD101475 IC checks & certifies Method of Construction of Manmade Slope Design 14d 05-Jan-16 18-Jan-16 15-Sep-16 28-Sep-16 254d DD101480 GEO - Approval of Manmade Slope Design 04-Jan-16 22-Feb-16 GEO - Approval of Manmade Slope Design DD101500 Submit Manmade Slope Design to IC, ER & Employer 0d 05-Jan-16 23-Feb-16 32d Submit Manmade Slope Design to IC, ER & Employer 24-Feb-16 08-Mar-16 DD101520 IC checks & comments on Manmade Slope Design 14d 06-Jan-16 19-Jan-16 IC checks & comments on Manmade Slope Design DD101540 Revise & resubmit Manmade Slope Design to IC, Employer & ER 7d 20-Jan-16 26-Jan-16 09-Mar-16 15-Mar-16 Revise & resubmit Manmade Slope Design to IC, Employer & ER DD101560 IC checks & certifies Manmade Slope Design 14d 27-Jan-16 16-Mar-16 29-Mar-16 IC checks & certifies Manmade Slope Design DD101580 Employer consents to Manmade Slope Design 0d 23-Feb-16 12-Apr-16 Employer consents to Manmade Slope Design Waste Receiving, Pre-treatment & Administration Building #1 Raft Footing and Substructure Design 70d 21-Apr-15 15-Jul-15 28-Apr-15 18-Aug-15 70d 21-Apr-15 15-Jul-15 28-Apr-15 18-Aug-15 Prepare & submit Detailed Substructure Design of Bldg #1 to IC, ER & Employe Prepare & submit Detailed \$ubstructure Design of Bldg #1 to IC, ER & Employer DD111010 43d Prepare & submit Method of Construction for Substructure of Bldg #1 30d 21-Apr-15 03-Jun-15 23-Jun-15 04-Aug-15 Prepare & submit Method of Construction for Substructure of Bldg #1 DD111015 IC checks & certifies Method of Construction of Detailed Substructure Design of Bldg #1 14d 04-Jun-15 IC checks & certifies Method of Construction of Detailed Substructure Design of Bldg #1 IC checks & comments on Detailed Substructure Design of Bldg #1 DD111020 IC checks & comments on Detailed Substructure Design of Bldg #1 14d 04-Jun-15 17-Jun-15 08-Jul-15 21-Jul-15 DD111040 Revise & resubmit Detailed Substructure Design of Bldg #1 to IC, Employer & ER Revise & resubmit Detailed Substructure Design of Bldg #1 to IC, Employer & ER IC checks & certifies Detailed Substructure Design of Bldg #1 DD111060 7d 25-Jun-15 01-Jul-15 04-Aug-15 29-Jul-15 IC checks & certifies Detailed Substructure Design of Bldg #1 DD111080 Employer consents to Detailed Substructure Design of Bldg #1 Employer consents to Detailed Substructure Design of Bldg #1 11-Jun-15 04-Oct-15 74d 04-Jun-15 31-Aug-15 Superstructure Design 31-Aug-15 DD111100 Prepare & submit Detailed Superstructure Design of Bldg #1 to IC, ER & Employe 20-Jul-15 Prepare & submit Detailed Superstructure Design of Bldg #1 to IC, ER & Employer DD111110 Prepare & submit Method of Construction for Superstructure of Bldg #1 32d 04-Jun-15 20-Jul-15 06-Aug-15 18-Sep-15 Prepare & submit Method of Construction for Superstructure of Bldg #1 DD111115 IC checks & certifies Method of Construction of Detailed Superstructure Design of Bldg #1 14d 21-Jul-15 03-Aug-15 21-Sep-15 04-Oct-15 IC checks & certifies Method of Construction of Detailed Superstructure Design of Bldg #1 DD111120 IC checks & comments on Detailed Superstructure Design of Bldg #1 IC checks & comments on Detailed Superstructure Design of Bldg #1 14d 21-Jul-15 03-Aug-15 24-Aug-15 06-Sep-15 DD111140 Revise & resubmit Detailed Superstructure Design of Bldg #1 to IC, Employer & ER 07-Sep-15 Revise & resubmit Detailed Superstructure Design of Bldg #1 to IC, Employer & ER DD111160 IC checks & certifies Detailed Superstructure Design of Bldg #1 17-Aug-15 IC checks & certifies Detailed Superstructure Design of Bldg #1 7d 11-Aug-15 14-Sep-15 20-Sep-15 DD111180 Employer consents to Detailed Superstructure Design of Bldg #1 0d 31-Aug-15 04-Oct-15 Employer consents to Detailed Superstructure Design of Bldg #1 107d 21-Jul-15 25-Nov-15 22-Sep-15 04-May-16 Steelwork Desig Building #1 Roof Steel Structure 23-Oct-15 22-Sep-15 30-Dec-15 Prepare & submit Detailed Design of Bldg #1 Roof - Structural Steelwork to IC, ER & Employer 39d 21-Jul-15 11-Sep-15 22-Sep-15 18-Nov-15 Prepare & submit Detailed Design of Bldg #1 Roof - Structural Steelwork to IC, ER & Employer DD111210 Prepare & submit Method of Construction for Bldg #1 Roof - Structural Steelwork 25d 10-Aug-15 12-Nov-15 16-Dec-15 Prepare & submit Method of Construction for Bldd #1 Roof - Structural Steelwork DD111215 IC checks & certifies Method of Construction of Bldg #1 Roof - Structural Steelwork 14d 12-Sep-15 25-Sep-15 17-Dec-15 30-Dec-15 IC checks & certifies Method of Construction of Bldg #1 Roof - Structural Steelwork DD111220 IC checks & comments on Detailed Design of Bldg #1 Roof - Structural Steelwork 14d 12-Sep-15 25-Sep-15 19-Nov-15 02-Dec-15 IC checks & comments on Detailed Design of Bldg #1 Roof - \$tructural Steelwork DD111240 Revise & resubmit Detailed Design of Bldg #1 Roof - Structural Steelwork to IC, Employer & ER 02-Oct-15 03-Dec-15 09-Dec-15 Revise & resubmit Detailed Design of Bldg #1 Roof - Structural Steelwork to IC, Employer & ER DD111260 IC checks & certifies Detailed Design of Bldg #1 Roof - Structural Steelwork 7d 03-Oct-15 09-Oct-15 10-Dec-15 16-Dec-15 IC checks & certifies Detailed Design of Bldg #1 Roof - Structural Steelwork DD111280 Employer consents to Detailed Design of Bldg #1 Roof - Structural Steelwork 0d 23-Oct-15 Employer consents to Detailed Design of Bldg #1 Roof - Structural Steelwork 30-Dec-15 CAPC Stack 60d 14-Sep-15 25-Nov-15 28-Jan-16 04-May-16 127d Prepare & submit Detailed CAPC Stack - Steel Support Design to IC, ER & Employer 14-Oct-15 Prepare & submit Detailed CAPC Stack - Steel Support Design to IC, ER & Employer DD311310 Prepare & submit Method of Construction for CAPC Stack - Steel Support 21d 14-Sep-15 14-Oct-15 18-Mar-16 20-Apr-16 126d Prepare & submit Method of Construction for CAPC Stack - Steel Suppor DD311315 IC checks & certifies Method of Construction of CAPC Stack - Steel Support 189 14d 15-Oct-15 28-Oct-15 21-Apr-16 IC checks & certifies Method of Construction of CAPC Stack - Steel Support DD311320 IC checks & comments on Detailed CAPC Stack - Steel Support Design 139d 14d 15-Oct-15 28-Oct-15 02-Mar-16 15-Mar-16 IC checks & comments on Detailed CAPC Stack - Steel Support Design DD311340 Revise & resubmit Detailed CAPC Stack - Steel Support Design to IC, Employer & ER 7d 29-Oct-15 04-Nov-15 16-Mar-16 22-Mar-16 139d Revise & resubmit Detailed CAPC Stack - Steel Support Design to IC, Employer & ER IC checks & certifies Detailed CAPC Stack - Steel Support Design DD311360 7d 05-Nov-15 11-Nov-15 139d IC checks & certifies Detailed CAPC Stack - Steel Support Design

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Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015



Environmental Protection Department of the HKSAR

Contract No. EP/SP/61/10

SUEZ ATAL ROSROCA
OSCAR Bioenergy Joint Venture

Contract Programme for the Design and Construction Works (v1.4)

Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr DD311119 IC checks & certifies Method of Construction of Pile Cap & Substructure Design of Bldg & Facilities #3 IC checks & certifies Method of Construction of Pile Cap & Substructure Design of Bldg & Facilities #3 IC checks & comments on Detailed Pile Cap & Substructure Design of Bldg & Facilities #3 DD311120 IC checks & comments on Detailed Pile Cap & Substructure Design of Bldg & Facilities #3 14d 21-Jul-15 03-Aug-15 21-Jul-15 03-Aug-15 DD311140 Revise & resubmit Detailed Pile Cap & Substructure Design of Bldg & Facilities #3 to IC, Employer & ER 04-Aug-15 Revise & resubmit Detailed Pile Cap & Substructure Design of Bldg & Facilities #3 to IC, Employer & ER ■ IC checks & certifies Detailed Pile Cap & Substructure Design of Bldg & Facilities #3 DD311160 IC checks & certifies Detailed Pile Cap & Substructure Design of Bldg & Facilities #3 7d 11-Aug-15 17-Aug-15 11-Aug-15 17-Aug-15 Employer consents to Detailed Pile Cap & Substructure Design of Bldg & Facilities #3 0d 31-Aug-15 Employer consents to Detailed Pile Cap & Substructure Design of Bldg & Facilities #3 58d 20-Aug-15 29-Oct-15 08-Oct-15 18-Dec-15 Superstructure Design 08-Oct-15 DD311200 Prepare & submit Detailed Supertructure Design of Energy Centre to IC, ER & Employe 21d 20-Aug-15 17-Sep-15 08-Oct-15 06-Nov-15 Prepare & submit Detailed Supertructure Design of Energy Centre to IC, ER & Employe Prepare & submit Detailed Supertructure Design of Weighbridge to IC, ER & Employer 17-Sep-15 DD311205 21d 20-Aug-15 08-Oct-15 06-Nov-15 33d Prepare & submit Detailed Supertructure Design of Weighbridge to IC, ER & Employer DD311210 Prepare & submit Detailed Supertructure Design of Gate House to IC, ER & Employer 17-Sep-15 08-Oct-15 06-Nov-15 Prepare & submit Detailed Supertructure Design of Gate House to IC, ER & Employe DD311215 Prepare & submit Detailed Supertructure Design of AD Tanks & Bund Wall to IC, ER & Employer 21d 20-Aug-15 17-Sep-15 08-Oct-15 06-Nov-15 Prepare & submit Detailed Supertructure Design of AD Tanks & Bund Wall to IC. ER & Employer 17-Sep-15 DD311218 Prepare & submit Method of Construction for Superstructure of Bldg #3 21d 20-Aug-15 06-Nov-15 04-Dec-15 Prepare & submit Method of Construction for Superstructure of Bldg #3 DD311219 IC checks & certifies Method of Construction of Superstructure Design of Bldg & Facilities #3 14d 18-Sep-15 01-Oct-15 05-Dec-15 18-Dec-15 ■ IC checks & certifies Method of Construction of Superstructure Design of Bldg & Facilities #3 DD311220 IC checks & comments on Detailed Superstructure Design of Bldg & Facilities #3 14d 18-Sep-15 01-Oct-15 07-Nov-15 IC checks & comments on Detailed Superstructure Design of Bldg & Facilities #3 Revise & resubmit Detailed Superstructure Design of Bldg & Facilities #3 to IC, Employer & ER DD311240 7d 02-Oct-15 08-Oct-15 21-Nov-15 27-Nov-15 Revise & resubmit Detailed Superstructure Design of Bldg & Facilities #3 to IC, Employer & ER DD311260 IC checks & certifies Detailed Superstructure Design of Bldg & Facilities #3 7d 09-Oct-15 15-Oct-15 28-Nov-15 04-Dec-15 IC checks & certifies Detailed Superstructure Design of Bldg & Facilities #3 Employer consents to Detailed Superstructure Design of Bldg & Facilities #3 18-Dec-15 DD311280 29-Oct-15 Employer consents to Detailed Superstructure Design of Bldg & Facilities #3 184d 27-Apr-15 04-Dec-15 Section 1- Sewerage System and Rising Main and Section 2- Storm Drain 11-May-15 106d 27-Apr-15 01-Sep-15 Prepare & submit Detailed Civil Design of external works (Section 1 & 2) to EPD & DSD DD411000 Prepare & submit Detailed Civil Design of external works (Section 1 & 2) to EPD & DSD 38d 27-Apr-15 19-Jun-15 11-May-15 03-Jul-15 Prepare & submit Method of Construction for External Works (Section 1 & 2) Prepare & submit Method of Construction for External Works (Section 1 & 2) DD411015 IC checks & certifies Method of Construction of External Works (Section 1 & 2) 14d 22-Jul-15 04-Aug-15 22-Sep-15 05-Oct-15 IC checks & certifies Method of Construction of External Works (Section 1 & 2) DD411020 Submit Detailed Design of External Works (Section 1 & 2) to IC, Employer & ER 21-Jul-15 Submit Detailed Design of External Works (Section 1 & 2) to IC, Employer & ER DD411040 IC checks & comments on Detailed Design of External Works (Section 1 & 2) 14d 22-Jul-15 04-Aug-15 25-Aug-15 07-Sep-15 IC checks & comments on Detailed Design of External Works (Section 1 & 2) DD411060 Revise & resubmit Detailed Design of External Works (Section 1 & 2) to IC, Employer & ER 11-Aug-15 Revise & resubmit Detailed Design of External Works (Section 1 & 2) to IC, Employer & ER IC checks & certifies Detailed Civil Design of External Works (Section 1 & 2) DD411080 7d 12-Aug-15 18-Aug-15 15-Sep-15 21-Sep-15 IC checks & certifies Detailed Civil Design of External Works (Section 1 & 2) Employer consents to Detailed Civil Design of External Works (Section 1 & 2) 01-Sep-15 05-Oct-15 84d 27-Apr-15 06-Aug-15 11-May-15 05-Oct-15 Section 3- Street Fire Hydrant and Section 4- Water Supply 06-Aug-15 11-May-15 05-Oct-15 84d 27-Apr-15 Prepare & submit Detailed Civil Design of external works (Section 3 & 4) to WSD 21d 27-Apr-15 11-May-15 Prepare & submit Detailed Civil Design of external works (Section 3 & 4) to WSD DD411130 Prepare & submit Method of Construction for External Works (Section 3 & 4) 21d 28-May-15 25-Jun-15 24-Aug-15 21-Sep-15 Prepare & submit Method of Construction for External Works (Section 3 & 4) DD411135 IC checks & certifies Method of Construction of External Works (Section 3 & 4) 09-Jul-15 22-Sep-15 05-Oct-15 IC checks & certifies Method of Construction of External Works (Section 3 & 4) Submit Detailed Design of External Works (Section 3 & 4) to IC. Employer & ER 41d DD411140 0d 25-Jun-15 24-Aug-15 Submit Detailed Design of External Works (Section 3 & 4) to IC, Employer & ER DD411160 IC checks & comments on Detailed Design of External Works (Section 3 & 4) IC checks & comments on Detailed Design of External Works (Section 3 & 4) DD411180 Revise & resubmit Detailed Design of External Works (Section 3 & 4) to IC, Employer & ER 7d 10-Jul-15 16-Jul-15 08-Sep-15 14-Sep-15 Revise & resubmit Detailed Design of External Works (Section 3 & 4) to IQ, Employer & ER DD411200 IC checks & certifies Detailed Civil Design of External Works (Section 3 & 4) 23-Jul-15 IC checks & certifies Detailed Civil Design of External Works (Section 3 & 4) DD411220 Employer consents to Detailed Civil Design of External Works (Section 3 & 4) 0d 06-Aug-15 05-Oct-15 600 ■ Employer consents to Detailed Civil Design of External Works (Section 3 & 4) Section 5- Road, Paving, Road Marking, Section 6- Ext. Lighting, Section 7 Fencing, Gate, Perm. Signboard 109d 28-Jul-15 04-Dec-15 21-Dec-15 DD411240 Prepare & submit Detailed Civil Design of external works (Section 5, 6, 7) to Hyd & TD 43d 28-Jul-15 24-Sep-15 10-Aug-15 09-Oct-15 Prepare & submit Detailed Civil Design of external works (Section 5, 6, 7) to Hyd & TD DD411250 Prepare & submit Method of Construction for External Works (Section 5 ,6, 7) 25d 16-Sep-15 23-Oct-15 03-Nov-15 07-Dec-15 Prepare & submit Method of Construction for External Works (Section 5 ,6, 7) IC checks & certifies Method of Construction of External Works (Section 5 ,6, 7) DD411255 IC checks & certifies Method of Construction of External Works (Section 5 ,6, 7) 14d 24-Oct-15 06-Nov-15 08-Dec-15 21-Dec-15 45d Submit Detailed Design of External Works | Section 5 ,6, 7) to IC, Employer & ER DD411260 Submit Detailed Design of External Works (Section 5,6,7) to IC, Employer & ER 0d 23-Oct-15 09-Nov-15 DD411280 IC checks & comments on Detailed Design of External Works (Section 5,6,7) 14d 24-Oct-15 06-Nov-15 10-Nov-15 23-Nov-15 IC checks & comments on Detailed Design of External Works (Section 5 ,6, 7) DD411300 Revise & resubmit Detailed Design of External Works (Section 5 ,6, 7) to IC, Employer & ER 7d 07-Nov-15 13-Nov-15 24-Nov-15 30-Nov-15 Revise & resubmit Detailed Design of External Works (Section 5 ,6, 7) to IC, Employer & ER DD411320 IC checks & certifies Detailed Civil Design of External Works (Section 5,6,7) 7d 14-Nov-15 20-Nov-15 01-Dec-15 07-Dec-15 IC checks & certifies Detailed Civil Design of External Works (Section 5.6.7) Employer consents to Detailed Civil Design of External Works (Section 5 ,6, 7) DD411340 Employer consents to Detailed Civil Design of External Works (Section 5, 6, 7) 87d 12-Aug-15 24-Nov-15 27-Oct-15 04-Feb-16 Sub & Superstructure - Boundary Wall 24-Nov-15 43d 12-Aug-15 DD411360 Prepare & submit Detailed Civil Design of external works (Sub & Superstructure - Boundary Wall) to IC. Employer & ER 13-Oct-15 27-Oct-15 24-Dec-15 repare & submit Detailed Civil Design of external works (Sub & Superstructure - Boundary Wall) to IC, Employer & ER DD411370 25d 07-Sep-15 Prepare & submit Method of Construction for External Works (Sub & Superstructure - Boundary Wall) 13-Oct-15 16-Dec-15 21-Jan-16 Prepare & submit Method of Construction for External Works (Slib & Superstructure - Boundary Wall) DD411375 IC checks & certifies Method of Construction of External Works (Sub & Superstructure - Boundary Wall) 14d 14-Oct-15 27-Oct-15 22-Jan-16 04-Feh-16 100d IC checks & certifies Method of Construction of External Works (Sub & Superstructure - Boundary Wall) IC checks & comments on Detailed Design of External Works (Sub & Superstructure - Boundary Wall) DD411380 14d 14-Oct-15 25-Dec-15 07-Jan-16 IC checks & comments on Detailed Design of External Works (Sub & Superstructure - Boundary Wall) DD411400 Revise & resubmit Detailed Design of External Works (Sub & Superstructure - Boundary Wall) to IC, Employer & ER 7d 28-Oct-15 03-Nov-15 08-Jan-16 14-Jan-16 Revise & resubmit Detailed Design of External Works (Sub & Superstructure - Boundary Wall) to IC, Employer & ER DD411420 IC checks & certifies Detailed Civil Design of External Works (Sub & Superstructure - Boundary Wall) 7d 04-Nov-15 10-Nov-15 15-Jan-16 21-Jan-16 IC checks & certifies Detailed Civil Design of External Works (Sub & Superstructure - Boundary Wall)

**Environmental Protection Department** SUEZ ATALX RosRoca **Contract Programme for the Design and** Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4) OSCAR Bioenergy Joint Venture** Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr Employer consents to Detailed Civil Design of External Works (Sub & Superstructure - Boundary Wall) DD411440 Employer consents to Detailed Civil Design of External Works (Sub & Superstructure - Boundary Wall) ectural, Building Works & Finishes (ABWF 12-Oct-15 09-Oct-15 04-Feb-16 Building #1 (Waste Receiving, Pre-treatment & Admin. Building) 86d 02-Jul-15 86d 02-Jul-15 12-Oct-15 09-Oct-15 04-Feb-16 Prepare & submit Detailed Design of Bldg.#1 ABWF to IC, ER & Employer 31-Aug-15 Prepare & submit Detailed Design of Bldg.#1 ABWF to IC, ER & Employer DD120110 Prepare & submit Method of Construction for Bldg.#1 ABWF 25d 28-Jul-15 31-Aug-15 16-Dec-15 21-Jan-16 Prepare & submit Method of Construction for Bldg.#1 ABWF IC checks & certifies Method of Construction of Bldg.#1 ABWF 14d 01-Sep-15 14-Sep-15 22-Jan-16 04-Feb-16 143d IC checks & certifies Method of Construction of Blda.#1 ABW DD120120 IC checks & comments on Detailed Design of Bldg.#1 ABWF 14d 01-Sep-15 14-Sep-15 25-Dec-15 07-Jan-16 115d IC checks & comments on Detailed Design of Bldg.#1 ABWF DD120140 Revise & resubmit Detailed Design of Bldg.#1 ABWF to IC, Employer & ER 08-Jan-16 14-Jan-16 Revise & resubmit Detailed Design of Bldg.#1 ABWF to IC. Employer & ER DD120160 IC checks & certifies Detailed Design of Bldg.#1 ABWF 7d 22-Sep-15 28-Sep-15 15-Jan-16 21-Jan-16 115d IC checks & certifies Detailed Design of Bldg.#1 ABWF Employer consents to Detailed Design of Bldg.#1 ABWF 12-Oct-15 04-Feb-16 115d DD120180 0d Employer consents to Detailed Design of Bldg.#1 ABWF 86d 02-Jul-15 12-Oct-15 Building #2 (Composting & Maturation Building) 29-Sep-15 11-Jan-16 12-Oct-15 86d 02-Jul-15 29-Sep-15 11-Jan-16 31-Aug-15 29-Sep-15 Prepare & submit Detailed Design of Bldg.#2 ABWF to IC, ER & Employer DD121110 Prepare & submit Method of Construction for Bldg.#2 ABW F 25d 28-Jul-15 31-Aug-15 23-Nov-15 28-Dec-15 81d Prepare & submit Method of Construction for Bldg.#2 ABWF DD121115 IC checks & certifies Method of Construction of Bldg.#2 ABWF 29-Dec-15 IC checks & certifies Method of Construction of Bldg.#2 ABWF DD121120 IC checks & comments on Detailed Design of Bldg.#2 ABWF 14d 01-Sep-15 14-Sep-15 01-Dec-15 14-Dec-15 IC checks & comments on Detailed Design of Bldg.#2 ABWF DD121140 Revise & resubmit Detailed Design of Bldg.#2 ABWF to IC, Employer & ER Revise & resubmit Detailed Design of Bldg.#2 ABWF to IC, Employer & ER IC checks & certifies Detailed Design of Bldg.#2 ABWF DD121160 7d 22-Sep-15 28-Sep-15 22-Dec-15 28-Dec-15 IC checks & certifies Detailed Design of Bldg.#2 ABWF DD121180 Employer consents to Detailed Design of Bldg.#2 ABWF 11-Jan-16 Employer consents to Detailed Design of Bldg.#2 ABWF 22-Oct-15 09-Oct-15 14-Feb-16 Building #3 (Auxiliary Buildings & Facilities) 84d 14-Jul-15 22-Oct-15 09-Oct-15 14-Feb-16 84d 14-Jul-15 Prepare & submit Detailed Design of Bldg.#3 ABWF to IC, ER & Employe Prepare & submit Detailed Design of Bldg.#3 ABWF to IC, ER & Employer 25d 07-Aug-15 10-Sep-15 24-Dec-15 29-Jan-16 DD122110 Prepare & submit Method of Construction for Bldg.#3 ABWF Prepare & submit Method of Construction for Bldg.#3 ABWF DD122115 IC checks & certifies Method of Construction of Bldg.#3 ABWF 24-Sep-15 01-Feb-16 14-Feb-16 143d IC checks & certifies Method of Construction of Bldg.#3 ABWF IC checks & comments on Detailed Design of Bldg.#3 ABWF 04-Jan-16 17-Jan-16 115d DD122120 14d 11-Sep-15 24-Sep-15 IC checks & comments on Detailed Design of Bldg.#3 ABWF DD122140 Revise & resubmit Detailed Design of Bldg.#3 ABWF to IC, Employer & ER Revise & resubmit Detailed Design of Bldg.#3 ABWF to IC, Employer & ER IC checks & certifies Detailed Design of Bldg.#3 ABWF 115d DD122160 7d 02-Oct-15 08-Oct-15 25-Jan-16 31-Jan-16 IC checks & certifies Detailed Design of Bldg.#3 ABWF DD122180 Employer consents to Detailed Design of Bldg.#3 ABWF Employer consents to Detailed Design of Bldg.#3 ABWF nterior Fitting-out Works 75d 04-Sep-15 03-Dec-15 03-Dec-15 12-Apr-16 75d 04-Sep-15 03-Dec-15 03-Dec-15 12-Apr-16 102 75d 04-Sep-15 03-Dec-15 03-Dec-15 12-Apr-16 102d Prepare & submit Detailed Interior Fitting-out Design to IC, ER & Employer DD120200 22-Oct-15 03-Dec-15 19-Jan-16 Prepare & submit Detailed Interior Fitting out Design to IC, ER & Employe 32d 04-Sep-15 25d 15-Sep-15 22-Oct-15 22-Feb-16 29-Mar-16 106d DD120210 Prepare & submit Method of Construction for Interior Fitting-out Prepare & submit Method of Construction for Interior Fitting-o DD120215 IC checks & certifies Method of Construction of Interior Fitting-out IC checks & certifies Method of Construction of Interior Fitting-out DD120220 IC checks & comments on Detailed Interior Fitting-out Design 14d 23-Oct-15 05-Nov-15 20-Jan-16 02-Feb-16 IC checks & comments on Detailed Interior Fitting-out Design DD120240 Revise & resubmit Detailed Fitting-out Design to IC, Employer & ER 12-Nov-15 03-Feb-16 09-Feb-16 Revise & resubmit Detailed Fitting-out Design to IC, Employer & ER DD120260 IC checks & certifies Detailed Interior Fitting-out Design 7d 13-Nov-15 19-Nov-15 10-Feb-16 16-Feb-16 IC checks & certifies Detailed Interior Fitting-out Design DD120280 Employer consents to Detailed Interior Fitting-out Design 0d 03-Dec-15 Employer consents to Detailed Interior Fitting-out Design External Lands scape Works and Building #2 Green Roof 133d 22-Jun-15 27-Nov-15 09-Nov-15 133d 22-Jun-15 27-Nov-15 09-Nov-15 06-Sep-16 133d 22-Jun-15 27-Nov-15 09-Nov-15 06-Sep-16 Prepare & submit Detailed Design of Landscape and Building #2 Green Roof to EPD, LandsD, PlanD, ArchSD DD410200 32d 22-Jun-15 05-Aug-15 09-Nov-15 22-Dec-15 Prepare & submit Detailed Design of Landscape and Building #2 Green Roof to EPD, LandsD, PlanD, ArchSD DD410210 Prepare & submit Method of Construction for Landscape and Building #2 Green Roo 50d 06-Aug-15 16-Oct-15 14-Jun-16 23-Aug-16 210d Prepare & submit Method of Construction for Landscape and E IC checks & certifies Method of Construction of Landscape and Building #2 Green Roof 14d 17-Oct-15 30-Oct-15 24-Aug-16 06-Sep-16 312d DD410215 IC checks & certifies Method of Construction of Landscap DD410220 Submit Detailed Design of Landscape and Building #2 Green Roof to IC, Employer & ER 0d 16-Oct-15 19-Jan-16 Submit Detailed Design of Landscape and Building #2 Green Roof to IC, Employer & ER DD410240 IC checks & comments on Detailed Design of Landscape and Building #2 Green Roof 14d 17-Oct-15 30-Oct-15 20-Jan-16 02-Feb-16 95d LC checks & comments on Detailed Design of Landscape and Building #2 Green Roof Revise & resubmit Detailed Design of Landscape and Building #2 Green Roof to IC, Employer & ER 03-Feb-16 DD410260 7d 31-Oct-15 06-Nov-15 09-Feb-16 Revise & resubmit Detailed Design of Landscape and Building #2 Green Roof to IC, Employer & ER IC checks & certifies Detailed Design of Landscape and Building #2 Green Roof 13-Nov-15 16-Feb-16 DD410280 7d 07-Nov-15 10-Feb-16 IC checks & certifies Detailed Design of Landscape and Building #2 Green Roof DD410300 Employer consents to Detailed Design of Landscape and Building #2 Green Roof 0d 27-Nov-15 01-Mar-16 Employer consents to Detailed Design of Landscape and Building #2 Green Roof 27-Mar-15 18-May-15 22-May-15 HAZOP 5d 23-Mar-15 5d 23-Mar-15 27-Mar-15 18-May-15 22-May-15 5d 23-Mar-15 27-Mar-15 18-May-15 22-May-15 5d 23-Mar-15 27-Mar-15 18-May-15 22-May-15 HAZOP Analysis 153d 29-Dec-14 08-Jul-15 Waste Receiving, Storage and Feeding System 16-Jan-15 27-Apr-16 153d 29-Dec-14 08-Jul-15 16-Jan-15 27-Apr-16 153d 29-Dec-14 08-Jul-15 16-Jan-15 27-Apr-16 Project:OWTF1\_v1.4Final Activity Float Bar Page 11 of 27 print: 02-Sep-15 10:50 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation

◆ Milestone

Critical

Environmental Protection Department of the HKSAR

Contract No. EP/SP/61/10

Organic Waste Treatment Facilities Phase 1

SUEZ ROSROCA
OSCAR Bioenergy Joint Venture

Contract Programme for the Design and Construction Works (v1.4)

Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Apr DE110200 Prepare & make Waste Receiving Equipment & Performance Submission to IC, ER & Employer Prepare & make Waste Receiving Equipment & Performance Submission to IC, ER & Employe IC checks & comments on Waste Receiving, Storage & Feeding Equipment DE110250 IC checks & comments on Waste Receiving, Storage & Feeding Equipment 06-Feb-15 12-Feb-15 25-Feb-15 14d 24-Jan-15 DE110300 Revise & resubmit Waste Receiving, Storage & Feeding Equipment to IC, Employer & ER 7d 07-Feb-15 26-Feb-15 04-Mar-15 13-Feb-15 Revise & resubmit Waste Receiving, Storage & Feeding Equipment to IC, Employer & ER IC checks & certifies Waste Receiving, Storage and Feeding Equipment DE110350 IC checks & certifies Waste Receiving, Storage and Feeding Equipment 7d 14-Feb-15 20-Feb-15 05-Mar-15 11-Mar-15 Employer consents to Waste Receiving, Storage and Feeding Equipmer 0d Employer consents to Waste Receiving, Storage and Feeding Equipme Prepare & submit Detailed Design of Waste Receiving, Storage & Feeding System to IC, ER & Employer 27-May-15 DE110450 33d 09-Apr-15 09-Jul-15 24-Aug-15 62d Prepare & submit Detailed Design of Waste Receiving, Storage & Feeding System to IC, ER & Employe DE110460 Prepare & submit Method of Construction for Waste Receiving, Storage and Feeding System 07-Mar-16 Prepare & submit Method of Construction for Waste Receiving, Storage and Feeding System IC checks & certifies Method of Construction of Waste Receiving, Storage and Feeding Syst DE110465 IC checks & certifies Method of Construction of Waste Receiving, Storage and Feeding System 14d 28-May-15 10-Jun-15 14-Apr-16 27-Apr-16 322d DE110500 IC checks & comments on Detailed Design of Waste Receiving, Storage & Feeding System ■ IC checks & comments on Detailed Design of Waste Receiving, Storage & Feeding System DE110550 Revise & resubmit Detailed Design of Waste Receiving, Storage & Feeding System to IC, Employer & ER 17-Jun-15 7d 11-Jun-15 08-Sep-15 14-Sep-15 Revise & resubmit Detailed Design of Waste Receiving, Storage & Feeding System to IC, Employer & ER DE110600 IC checks & certifies Waste Receiving, Storage and Feeding System IC checks & certifies Waste Receiving, Storage and Feeding System Employer consents to Waste Receiving, Storage and Feeding System DE110650 Od 08-Jul-15 05-Oct-15 Employer consents to Waste Receiving, Storage and Feeding Syster Pre-Treatment System 155d 08-Jan-15 20-Jul-15 15-Jan-15 05-May-16 05-May-16 20d 08-Jan-15 DE120200 Prepare & make Pre-treatment Equipment & Performance Submission to IC, ER & Employe 04-Feb-15 15-Jan-15 11-Feb-15 Prepare & make Pre-treatment Equipment & Performance Submission to IC, ER & Employe DE120250 IC checks & comments on Pre-Treatment Equipment 14d 05-Feb-15 12-Feb-15 25-Feb-15 IC checks & comments on Pre-Treatment Equipment DE120300 Revise & resubmit Pre-Treatment Equipment IC, Employer & ER 7d 19-Feb-15 25-Feb-15 26-Feb-15 04-Mar-15 Revise & resubmit Pre-Treatment Equipment IC, Employer & ER DE120350 IC checks & certifies Pre-treatment Equipment 04-Mar-15 05-Mar-15 11-Mar-15 IC checks & certifies Pre-treatment Equipment 7d 26-Feb-15 DF120400 Employer consents to Pre-treatment Equipment DΩ 18-Mar-15 25-Mar-15 Employer consents to Pre-treatment Equipmen DE120450 Prepare & submit Detailed Design of Pre-treatment System to IC, ER & Employer 33d 21-Apr-15 08-Jun-15 31-Jul-15 15-Sep-15 Prepare & submit Detailed Design of Pre-treatment System to IC, ER & Employer DF120460 Prepare & submit Method of Construction for Pre-treatment System 25d 04-May-15 08-Jun-15 15-Mar-16 21-Apr-16 216d Prepare & submit Method of Construction for Pre-treatment System DE120465 IC checks & certifies Method of Construction of Pre-treatment System 22-Jun-15 318d 14d 09-Jun-15 22-Apr-16 05-May-16 LC checks & certifies Method of Construction of Pre-treatment System DE120500 IC checks & comments on Detailed Design of Pre-Treatment System 14d 09-Jun-15 22-Jun-15 16-Sep-15 29-Sep-15 C checks & comments on Detailed Design of Pre-Treatment System DE120550 Revise & resubmit Detailed Design of Pre-Treatment System to IC, Employer & ER 7d 23-Jun-15 29-Jun-15 30-Sep-15 06-Oct-15 Revise & resubmit Detailed Design of Pre-Treatment System to IC. Employer & ER DE120600 IC checks & certifies Detailed Design of Pre-treatment System 06-Jul-15 07-Oct-15 13-Oct-15 IC checks & certifies Detailed Design of Pre-treatment System 27-Oct-15 Employer consents to Detailed Design of Pre-treatment System DE120650 20-Jul-15 Employer consents to Detailed Design of Pre-treatment System 205d 09-Feb-15 20-Oct-15 10-Mar-15 28-Mar-16 10-Mar-15 28-Mar-16 205d 09-Feb-15 20-Oct-15 10-Mar-15 28-Mar-16 127d Prepare & make AD Equipment & Performance Submission to IC, ER & Employe DE130200 18d 09-Feb-15 06-Mar-15 10-Mar-15 02-Apr-15 Prepare & make AD Equipment & Performance Submission to IC, ER & Employer DE130250 IC checks & comments on AD Equipmer DE130300 Revise & resubmit AD Equipment to IC, Employer & ER 7d 21-Mar-15 27-Mar-15 18-Apr-15 24-Apr-15 Revise & resubmit AD Equipment to IC, Employer & ER DE130350 IC checks & certifies AD Equipmen → IC checks & certifies AD Equipment DE130400 Employer consents to AD Equipment 0d 17-Apr-15 15-May-15 Employer consents to AD Equipm 12-Aug-15 07-Oct-15 DE130450 Prepare & submit Detailed Design of AD Treatment System to IC, ER & Employer 39d 16-Jul-15 08-Sep-15 Prepare & submit Detailed Design of AD Treatment System to IC, ER & Employer Prepare & submit Method of Construction for AD Treatment System DE130460 25d 05-Aug-15 08-Sep-15 04-Feb-16 14-Mar-16 126d Prepare & submit Method of Construction for AD Treatment System DE130465 IC checks & certifies Method of Construction of AD Treatment System 15-Mar-16 IC checks & certifies Method of Construction of AD Treatment System DE130500 IC checks & comments on Detailed Design of AD treatment System 14d 09-Sep-15 22-Sep-15 08-Oct-15 21-Oct-15 IC checks & comments on Detailed Design of AD treatment System DE130550 Revise & resubmit Detailed Design of AD Treatment System to IC, Employer & ER 22-Oct-15 Revise & resultmit Detailed Design of AD Treatment System to IC, Employer & ER DE130600 IC checks & certifies AD Treatment System 7d 30-Sep-15 06-Oct-15 29-Oct-15 04-Nov-15 IC checks & certifies AD Treatment System DE130650 Employer consents to Detailed Design of AD Treatment System Employer consents to Detailed Design of AD Treatment System 152d 28-Jan-15 17-Feb-15 22-Jul-16 152d 28-Jan-15 05-Aug-15 17-Feb-15 22-Jul-16 152d 28-Jan-15 05-Aug-15 17-Feb-15 22-Jul-16 285d Prepare & make Biogas Equipment & Performance Submission to IC, ER & Employe DE140200 18d 28-Jan-15 24-Feb-15 17-Feb-15 Prepare & make Biogas Equipment & Performance Submission to IC, ER & Employe DE140250 IC checks & comments on Biogas Cleaning & Storage Equipment 14d 25-Feb-15 10-Mar-15 17-Mar-15 30-Mar-15 IC checks & comments on Biogas Cleaning & Storage Equipment Revise & resubmit Biogas Cleaning & Storage Equipment to IC, Employer & ER DE140300 Revise & resubmit Biogas Cleaning & Storage Equipment to IC, Employer & ER 7d 11-Mar-15 17-Mar-15 31-Mar-15 06-Apr-15 IC checks & certifies Biogas Cleaning & Storage Equipmen DE140350 IC checks & certifies Biogas Cleaning & Storage Equipment 7d 18-Mar-15 24-Mar-15 07-Apr-15 13-Apr-15 20d DE140400 0d 07-Apr-15 27-Apr-15 Employer consents to Biogas Cleaning & Storage Equipment Employer consents to Biogas Cleaning & Storage Equipment DF140450 Prepare & submit Detailed Design of Biogas System to IC, ER & Employer 37d 04-May-15 24-Jun-15 22-May-15 15-Jul-15 Prepare & submit Detailed Design of Biogas System to IC, ER & Employer 257d DE140460 Prepare & submit Method of Construction for Biogas Cleaning & Storage System 25d 20-May-15 02-Jun-16 08-Jul-16 Prepare & submit Method of Construction for Biogas Cleaning & Storage S DE140465 IC checks & certifies Method of Construction of Biogas Cleaning & Storage System 14d 25-Jun-15 08-Jul-15 09-Jul-16 22-Jul-16 380d C checks & certifies Method of Construction of Biogas Cleaning & Stor IC checks & comments on Detailed Design of Biogas System DE140500 IC checks & comments on Detailed Design of Biogas System 14d 25-Jun-15 08-Jul-15 16-Jul-15 29-Jul-15 21d

**Environmental Protection Department Contract Programme for the Design and** Contract No. EP/SP/61/10 SUEZ A ROSROCA of the HKSAR **Construction Works (v1.4) OSCAR Bioenergy Joint Venture** Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr DE140550 Revise & resubmit Detailed Design of Biogas System to IC, Employer & ER IC checks & certifies Biogas Cleaning & Storage System DE140600 IC checks & certifies Biogas Cleaning & Storage System 7d 16-Jul-15 22-Jul-15 06-Aug-15 12-Aug-15 Employer consents to Biogas Cleaning & Storage System DE140650 Employer consents to Biogas Cleaning & Storage System 135d 15-Jan-15 Combined Heat Recovery and Power (CHP) Generation System 03-Jul-15 135d 15-Jan-15 03-Jul-15 15-Jan-15 03-Jul-16 135d 15-Jan-15 03-Jul-15 15-Jan-15 03-Jul-16 296d Prepare & make CHP Equipment & Performance Submission to IC, ER & Employer Prepare & make CHP Equipment & Performance Submission to IC, ER & Employer 15-Jan-15 30-Jan-15 12d 15-Jan-15 30-Jan-15 DE150250 IC checks & comments on CHP Equipment 14d 31-Jan-15 13-Feb-15 31-Jan-15 13-Feb-15 IC checks & comments on CHP Equipment DE150300 Revise & resubmit CHP Equipment to IC, Employer & ER Revise & resubmit CHP Equipment to IC, Employer & ER IC checks & certifies CHP Equipment DE150350 IC checks & certifies CHP Equipment 7d 21-Feb-15 27-Feb-15 21-Feb-15 27-Feb-15 DE150400 Employer consents to CHP Equipment 13-Mar-15 13-Mar-15 ♦ Employer consents to CHP Equipment DE150450 Prepare & submit Detailed Design of CHP Generation System to IC, ER & Employer 35d 31-Mar-15 22-May-15 31-Mar-15 22-May-15 Prepare & submit Detailed Design of CHP Generation System to IC, ER & Employer DE150460 Prepare & submit Method of Construction for CHP Generation System 22-May-15 13-May-16 17-Jun-16 Prepare & submit Method of Construction for CHP Generation System DF150465 IC checks & certifies Method of Construction of CHP Generation System 14d 23-May-15 05-Jun-15 20-.lun-16 03-.lul-16 IC checks & certifies Method of Construction of CHP Generation System IC checks & comments on Detailed Design of CHP Generation System DE150500 IC checks & comments on Detailed Design of CHP Generation System 14d 23-May-15 05-Jun-15 23-May-15 05-Jun-15 Revise & resubmit Detailed Design of CHP Generation System to IC, Employer & ER DE150550 7d 06-Jun-15 12-Jun-15 06-Jun-15 12-Jun-15 Revise & resubmit Detailed Design of CHP Generation System to IC, Employer & ER DE150600 IC checks & certifies CHP Generation System 19-Jun-15 IC checks & certifies CHP Generation System 13-Jun-15 19-Jun-15 DE150650 Employer consents to CHP Generation System 03-Jul-15 03-Jul-15 Employer consents to CHP Generation System Continuous Emission Monitoring System (CEMS) 10-Sep-15 160d 27-Feb-15 04-Mar-15 15-May-16 197d 160d 27-Feb-15 10-Sep-15 04-Mar-15 15-May-16 Prepare & make CEMS Equipment & Performance Submission to IC, ER & Employe Prepare & make CEMS Equipment & Performance Submission to IC, ER & Employer DE180250 IC checks & comments on CEMS Equipment IC checks & comments on CEMS Equipment 14d 27-Mar-15 09-Apr-15 01-Apr-15 14-Apr-15 DE180300 Revise & resubmit CEMS Equipment to IC, Employer & ER 7d 10-Apr-15 15-Apr-15 21-Apr-15 Revise & resubmit CEM\$ Equipment to IC, Employer & ER IC checks & certifies CEMS Equipment IC checks & certifies CEMS Eduipmer DE180350 7d 17-Apr-15 23-Apr-15 22-Apr-15 28-Apr-15 DE180400 Employer consents to CEMS Equipment 07-May-15 12-May-15 Employer consents to CEMS Equipment DE180450 Prepare & submit Detailed Design of CEMS to IC, ER & Employer 36d 10-Jun-15 30-Jul-15 10-Jun-15 30-Jul-15 Prepare & submit Detailed Design of CEMS to IC, ER & Employe 23-Mar-16 DF180460 Prepare & submit Method of Construction for CEMS 25d 25-Jun-15 30-Jul-15 185d Prepare & submit Method of Construction for CEMS IC checks & certifies Method of Construction of CEMS 276d 15-May-16 DE180465 14d 31-Jul-15 13-Aug-15 02-May-16 IC checks & certifies Method of Construction of CEMS IC Checks & comments on Detailed Design of CEMS DE180500 IC Checks & comments on Detailed Design of CEMS DE180550 Revise & resubmit Detailed Design of CEMS to IC, Employer & ER 7d 14-Aug-15 12-Nov-15 18-Nov-15 Revise & resubmit Detailed Design of CEMS to IC, Employer & ER 20-Aug-15 IC checks & certifies CEMS DE180600 27-Aug-15 IC checks & certifies CEMS DE180650 Employer consents to CEMS 0d 10-Sep-15 09-Dec-15 Employer consents to CEMS Digestate Dewatering System 250d 19-Dec-14 26-Oct-15 19-Dec-14 07-Sep-16 26-Oct-15 2580 250d 19-Dec-14 19-Dec-14 07-Sep-16 14-Jan-15 DF163200 Prepare & make Digestate Dewatering Equipment & Performance Submission to IC, ER & Employer 16d 19-Dec-14 19-Dec-14 14-Jan-15 Prepare & make Digestate Dewatering Equipment & Performance Submission to IC, ER & Employe DE163250 IC checks & comments on Digestate Dewatering Equipment 28-Jan-15 15-Jan-15 IC checks & comments on Digestate Dewatering Equipment DE163300 Revise & resubmit Digestate Dewatering Equipment to IC, Employer & ER 7d 29-Jan-15 04-Feb-15 29-Jan-15 04-Feb-15 Revise & resubmit Digestate Dewatering Equipment to IC, Employer & ER DE163350 11-Feb-15 IC checks & certifies Digestate Dewatering Equipment IC checks & certifies Digestate Dewatering Equipment 7d 05-Feb-15 11-Feb-15 DE163400 Employer consents to Digestate Dewatering Equipment 0d 25-Feb-15 25-Feb-15 Employer consients to Digestate Dewatering Equipmer DE163450 Prepare & submit Detailed Design of Digestate Dewatering System to IC, ER & Employer 34d 29-Jul-15 14-Sep-15 13-Nov-15 31-Dec-15 Prepare & submit Detailed Design of Digestate Dewatering System to IC, ER & Employe DE163500 Prepare & submit Method of Construction for Digestate Dewatering System 25d 11-Aug-15 14-Sep-15 21-Jul-16 24-Aug-16 2330 Prepare & submit Method of Construction for Digestate D IC checks & certifies Method of Construction of Digestate Dewatering System DE163520 IC checks & certifies Method of Construction of Digestate DE163550 IC checks & comments on Detailed Design of Digestate Dewatering System 28-Sep-15 14-Jan-16 108 IC checks & comments on Detailed Design of Digestate Dewatering System DE163600 Revise & resubmit Detailed Design of Digestate Dewatering System to IC, Employer & ER 7d 29-Sep-15 05-Oct-15 15-Jan-16 21-Jan-16 Revise & resubmit Detailed Design of Digestate Dewatering System to IC, Employer & ER DE163650 IC checks & certifies Digestate Dewatering System 7d 06-Oct-15 12-Oct-15 22-Jan-16 28-Jan-16 1086 IC checks & certifies Digestate Dewatering System Employer consents to Digestate Dewatering System DE163700 26-Oct-15 11-Feb-16 Employer consents to Digestate Dewatering System 212d 19-Dec-14 19-Dec-14 30-May-1 19-Dec-14 30-May-16 212d 19-Dec-14 08-Sep-15 212d 19-Dec-14 08-Sep-15 19-Dec-14 30-May-16 212d DE160200 Prepare & make Composting & Maturation Equipment & Performance Submission to IC, ER & Employee 16d 19-Dec-14 14-Jan-15 19-Dec-14 14-Jan-15 Prepare & make Composting & Maturation Equipment & Performance Submission to IC, ER & Employer DE160250 IC checks & comments on Composting & Maturation Equipmen 15-Jan-15 IC checks & comments on Composting & Maturation Equipment DE160300 Revise & resubmit Composting & Maturation Equipment to IC, Employer & ER 7d 29-Jan-15 Revise & resubmit Composting & Maturation Equipment to IC, Employer & ER 04-Feb-15 29-Jan-15 04-Feb-15 11-Feb-15 IC checks & certifies Composting & Maturation Equipment 7d 05-Feb-15 IC checks & certifies Composting & Maturation Equipmen DE160400 0d 25-Feb-15 25-Feb-15 Employer consents to Composting & Maturation Equipment Employer consents to Composting & Maturation Equipment Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 13 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation Milestone Critical

**Environmental Protection Department Contract Programme for the Design and** Contract No. EP/SP/61/10 SUEZ A ROSROCA of the HKSAR **Construction Works (v1.4) OSCAR Bioenergy Joint Venture** Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr DE160450 Prepare & submit Detailed Design of Composting System to IC, ER & Employer Prepare & submit Detailed Design of Composting System to IC, ER & Employe DE160460 Prepare & submit Method of Construction for Composting System 25d 23-Jun-15 28-Jul-15 11-Apr-16 16-May-16 197d Prepare & submit Method of Construction for Composting System DE160465 IC checks & certifies Method of Construction of Composting System 17-May-16 30-May-16 293d IC checks & certifies Method of Construction of Composting System DE160500 IC checks & comments on Detailed Design of Composting System 75d 14d 29-Jul-15 11-Aug-15 12-Oct-15 25-Oct-15 IC checks & comments on Detailed Design of Composting System Revise & resubmit Detailed Design of Composting System to IC, Employer & ER 18-Aug-15 Revise & resubmit Detailed Design of Composting System to IC, Employer & ER DE160600 IC checks & certifies Composting System 7d 19-Aug-15 25-Aug-15 02-Nov-15 08-Nov-15 IC checks & certifies Composting System DE160650 Employer consents to Composting System 0d Employer consents to Composting System 202d 19-Jan-15 29-Jan-15 25-Apr-16 Wastewater T reatment System (WWTS) 23-Sep-15 202d 19-Jan-15 23-Sep-15 29-Jan-15 25-Apr-16 202d 19-Jan-15 23-Sep-15 29-Jan-15 25-Apr-16 171d Prepare & make WWTS Equipment & Performance Submission to IC, ER & Employer Prepare & make WWTS Equipment & Performance Submission to IC, ER & Employe DE190200 20d 19-Jan-15 13-Feb-15 29-Jan-15 27-Feb-15 DE190250 IC checks & comments on WWTS Equipment 14d 14-Feb-15 27-Feb-15 02-Mar-15 15-Mar-15 IC checks & comments on WWTS Equipment DE190300 Revise & resubmit WWTS Equipment to IC, Employer & ER Revise & resubmit WWTS Equipment to IC, Employer & ER DE190350 IC checks & certifies WWTS Equipment 7d 07-Mar-15 13-Mar-15 23-Mar-15 29-Mar-15 IC checks & certifies WWTS Equipment DE190400 Employer consents to WWTS Equipment 0d 27-Mar-15 12-Apr-15 Employer consents to WWTS Equipmen DE190450 Prepare & submit Detailed Design of WWTS to IC. ER & Employer 37d 22-Jun-15 12-Aug-15 22-Jun-15 12-Aug-15 Prepare & submit Detailed Design of WWTS to IC, ER & Employer DE190460 Prepare & submit Method of Construction for Wastewater Treatment System 03-Mar-16 12-Aug-15 11-Apr-16 Prepare & submit Method of Construction for Wastewater Treatment System 14d 13-Aug-15 DE190465 IC checks & certifies Method of Construction of Wastewater Treatment System 26-Aug-15 12-Apr-16 25-Apr-16 243d IC checks & certifies Method of Construction of Wastewater Treatment Sys IC checks & comments on Detailed Design ofWWTS DE190500 26-Aug-15 14d 13-Aug-15 22-Sep-15 05-Oct-15 IC checks & comments on Detailed Design of WWTS DF190550 Revise & resubmit Detailed Design of WWTS to IC. Employer & ER 7d 27-Aug-15 02-Sep-15 06-Oct-15 12-Oct-15 Revise & resubmit Detailed Design of WWTS to IC, Employer & ER DE190600 IC checks & certifies Wastewater Treatment System 09-Sep-15 13-Oct-15 19-Oct-15 IC checks & certifies Wastewater Treatment System DF190650 Employer consents to Wastewater Treatment System 0d 23-Sep-15 02-Nov-15 Employer consents to Wastewater Treatment Sys 27-Aug-15 Centralized Air Pollution Control (CAPC) System 203d 18-Dec-14 27-Aug-15 18-Dec-14 05-Jun-16 227d 203d 18-Dec-14 27-Aug-15 18-Dec-14 05-Jun-16 227d Prepare & make CAPC Equipment & Performance Submission to IC, ER & Employe Prepare & make CAPC Equipment & Performance Submission to IC, ER & Employer DE170250 14d 15-Jan-15 28-Jan-15 15-Jan-15 28-Jan-15 IC checks & comments on CAPC System Equipment IC checks & comments on CAPC System Equipment DE170300 Revise & resubmit CAPC System Equipment to IC, Employer & ER 04-Feb-15 29-Jan-15 04-Feb-15 Revise & resubmit CAPC System Equipment to IC, Employer & ER IC checks & certifies CAPC System Equipment 11-Feb-15 05-Feb-15 11-Feb-15 IC checks & certifies CAPC System Equipment DE170350 7d 05-Feb-15 DE170400 Employer consents to CAPC System Equipment 25-Feb-15 25-Feb-15 ♠ Employer consents to CAPC System Equipment DE170450 Prepare & Submit Detailed Design of CAPC System to IC, ER & Employer 34d 29-May-15 16-Jul-15 29-May-15 16-Jul-15 Prepare & Submit Detailed Design of CAPC System to IC, ER & Employer DE170460 Prepare & submit Method of Construction for CAPC System Prepare & submit Method of Construction for CAPC System DE170465 IC checks & certifies Method of Construction of CAPC System 14d 17-Jul-15 30-Jul-15 23-May-16 05-Jun-16 311d LC checks & certifies Method of Construction of CAPC System IC checks & comments on Detailed Design of CAPC System DE170500 IC checks & comments on Detailed Design of CAPC System Revise & resubmit Detailed Design of CAPC System to IC. Employer & ER 67d DE170550 7d 31-Jul-15 06-Aug-15 06-Oct-15 12-Oct-15 Revise & resubmit Detailed Design of CAPC System to IC, Employer & ER DE170600 IC checks & certifies CAPC System 13-Aug-15 13-Oct-15 19-Oct-15 67d ■ IC checks & certifies CAPC System Employer consents to CAPC System 67d DE170650 0d 27-Aug-15 02-Nov-15 Employer consents to CAPC System 09-Mar-15 30-Dec-15 181d 09-Mar-15 16-Oct-15 Electrical System and Accessories - Switchgear, LCP, Cable, Earthing, etc. 181d 09-Mar-15 09-Mar-15 30-Dec-15 181d 09-Mar-15 09-Mar-15 30-Dec-15 16-Oct-15 Prepare & make Elect. Equipment & Performance Submission to IC, ER & Employer DE200200 Prepare & make Elect, Equipment & Performance Submission to IC, ER & Employe 19d 09-Mar-15 02-Apr-15 09-Mar-15 02-Apr-15 03-Apr-15 IC checks & comments on Electrical System Equipment IC checks & comments on Electrical System Equipment 16-Apr-15 DE200300 Revise & resubmit Electrical System Equipment to IC. Employer & ER 7d 17-Apr-15 23-Apr-15 17-Apr-15 23-Apr-15 Revise & resubmit Electrical System Equipment to IC, Employer & ER IC checks & certifies Electrical System Equipment IC checks & certifies Electrical System Equipment DE200350 7d 24-Apr-15 30-Apr-15 24-Apr-15 30-Apr-15 DE200400 Employer consents to Electrical System Equipment 14-May-15 14-May-15 ◆ Employer consents to Electrical System Equipme DE200450 Prepare & submit Detailed Design of Electrical System to IC, ER & Employer 37d 02-Jul-15 21-Aug-15 02-Jul-15 21-Aug-15 Prepare & submit Detailed Design of Electrical System to IC, ER & Employer DE200460 Prepare & submit Method of Construction for Electrical System 25d 20-Jul-15 21-Aug-15 12-Nov-15 16-Dec-15 Prepare & submit Method of Construction for Electrical System DE200465 IC checks & certifies Method of Construction of Electrical System 14d 22-Aug-15 04-Sep-15 17-Dec-15 30-Dec-15 IC checks & certifies Method of Construction of Electrical System IC checks & comments on Detailed Design of Electrical System DE200500 IC checks & comments on Detailed Design of Electrical System 14d 22-Aug-15 04-Sep-15 05-Sep-15 18-Sep-15 11-Sep-15 DE200550 Revise & resubmit Detailed Design of Electrical System to IC, Employer & ER 7d 05-Sep-15 19-Sep-15 25-Sep-15 Revise & resubmit Detailed Design of Electrical System to IC, Employer & ER DF200600 IC checks & certifies Electrical System 7d 12-Sep-15 18-Sep-15 26-Sep-15 02-Oct-15 IC checks & certifies Electrical System 0d DE200650 Employer consents to Electrical System 16-Oct-15 16-Oct-15 Employer consents to Electrical System 166d 30-Mar-15 15-May-16 166d 30-Mar-15 20-Oct-15 29-Jun-15 15-May-16 166d 30-Mar-15 20-Oct-15 29-Jun-15 15-May-16 Prepare & make SCADA/PLC Equipment & Performance Submission to IC. ER & Employer DE210200 17d 30-Mar-15 24-Apr-15 29-Jun-15 22-Jul-15 Prepare & make SCADA/PLC Equipment & Performance Submission to IC, ER & Employer Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 14 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation Milestone Critical

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Employer & ER DE210350 IC checks & certifies SCADA/PLC Equipment 22-May-15 IC checks & certifies SCADA/PLC Equipment Employer consents to SCADA/PLC Equipment 0d DE210400 05-Jun-15 02-Sep-15 Employer consents to SCADA/PLC Equipmen Prepare & submit Detailed Design of SCADA/PLC to IC, ER & Employe 08-Sep-15 ■ Prepare & submit Detailed Design of SCADA/PLC to IC, ER & Employer Prepare & submit Method of Construction for SCADA/PLC System 157d DE210460 25d 05-Aug-15 08-Sep-15 23-Mar-16 29-Apr-16 Prepare & submit Method of Construction for SCADA/PLC System IC checks & certifies Method of Construction of SCADA/PLC System 236 DE210465 IC checks & certifies Method of Construction of SCADA/PLC System DE210500 IC checks & comments on Detailed Design of SCADA/PLC System 14d 09-Sep-15 22-Sep-15 18-Nov-15 01-Dec-15 IC checks & comments on Detailed Design of SCADA/PLC System DE210550 Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER 02-Dec-15 Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER IC checks & certifies SCADA/PLC System DE210600 7d 30-Sep-15 06-Oct-15 09-Dec-15 15-Dec-15 IC checks & certifies SCADA/PLC System Employer consents to SCADA/PLC System DE210650 - Employer consents to SCADA/PLC System 83d 15-Jun-15 rmanent Mohile Plants 83d 15-Jun-15 21-Sep-15 23-Sep-15 03-Jan-16 83d 15-Jun-15 21-Sep-15 23-Sep-15 03-Jan-16 DE300200 Prepare & make Perm. Mobile Plants Equipment & Performance Submission to IC, ER & Employer 40d 15-Jun-15 10-Aug-15 23-Sep-15 20-Nov-15 Prepare & make Perm. Mobile Plants Equipment & Performance Submission to IC. ER & Employe DE300250 IC checks & comments on Permanent Mobile Plants 14d 11-Aug-15 24-Aug-15 23-Nov-15 06-Dec-15 104d IC checks & comments on Permanent Mobile Plants DE300300 Revise & resubmit Permanent Mobile Plants to IC, Employer & ER 07-Dec-15 31-Aug-15 13-Dec-15 Revise & resubmit Permanent Mobile Plants to IC. Employer & ER IC checks & certifies Permanent Mobile Plants DE300350 IC checks & certifies Permanent Mobile Plants 7d 01-Sep-15 07-Sep-15 14-Dec-15 20-Dec-15 104 Employer consents to Permanent Mobile Plants DE300400 0d 21-Sep-15 03-Jan-16 104 Employer consents to Permanent Mobile Plants DETAILED DESIGN SUBMISSION (DDS) - BUILDING SERVICES 103d 18-Jun-15 21-Oct-15 15-Jul-15 21-Oct-15 103d 18-Jun-15 21-Oct-15 15-Jul-15 17-Apr-16 143d Prepare & submit Lift, Fire Safety, Dangerous Goods Application & FSI to FSD & EMSD DS110200 32d 18-Jun-15 03-Aug-15 15-Jul-15 27-Aug-15 Prepare & submit Lift, Fire Safety, Danderous Goods Application & FSI to FSD & EMSD DS110210 27d 04-Aug-15 09-Sep-15 23-Feb-16 137d Prepare & submit Method of Construction for Lift & F\$I DS110220 IC checks & certifies Method of Construction of Lift & FSI 14d 10-Sep-15 23-Sep-15 04-Apr-16 17-Apr-16 207d IC checks & certifies Method of Construction of Lift & FSI Submit Lift & FSI Detailed Design to IC, ER & Employer 0d DS110250 Submit Lift & FSI Detailed Design to IC, ER & Employer IC checks & comments on Lift & FSI Detailed Design DS110300 14d 10-Sep-15 14-Oct-15 27-Oct-15 23-Sep-15 IC checks & comments on Lift & FSI Detailed Design DS110350 Revise & resubmit Lift & FSI Detailed Design to IC, Employer & ER 30-Sep-15 28-Oct-15 Revise & resubmit Lift & FSI Detailed Design to IC, Employer & ER IC checks & certifies Lift & FSI Detailed Design 07-Oct-15 DS110400 7d 01-Oct-15 04-Nov-15 10-Nov-15 IC checks & certifies Lift & FSI Detailed Design Employer consents to Lift & FSI Detailed Design Employer consents to Lift & FSI Detailed Design 73d 18-May-15 Waste Receiving, Pre-treatment & Administration Bldg #1 73d 18-May-15 13-Aug-15 27-Aug-15 16-Dec-15 73d 18-May-15 13-Aug-15 27-Aug-15 16-Dec-15 Prepare & make Bldg #1 BS Detailed Design - Electrical System to IC, ER & Employer 32d 18-May-15 02-Jul-15 27-Aug-15 13-Oct-15 Prepare & make Bldg #1 BS Detailed Design - Electrical System to IC, ER & Employer DS120210 Prepare & make Bldg #1 BS Detailed Design - FS System to IC, ER & Employer 32d 18-May-15 02-Jul-15 27-Aug-15 13-Oct-15 Prepare & make Bldg #1 BS Detailed Design - FS \$ystem to IC, ER & Employer DS120220 Prepare & make Bldg #1 BS Detailed Design - P/D System to IC, ER & Employer 13-Oct-15 Prepare & make Bidg #1 BS Detailed Design - P/D System to IC, ER & Employer Prepare & make Bldg #1 BS Detailed Design - MVAC System to IC, ER & Employer DS120230 32d 18-May-15 02-Jul-15 27-Aug-15 13-Oct-15 Prepare & make Bldg #1 BS Detailed Design - MVAC System to IC, ER & Employe DS120240 Prepare & submit Method of Construction for Bldg #1 Building Services 02-Jul-15 29-Oct-15 02-Dec-15 25d 28-May-15 Prepare & submit Method of Construction for Blda #1 Building Services DS120245 IC checks & certifies Method of Construction of Bldg #1 Building Services 14d 03-Jul-15 16-Jul-15 03-Dec-15 16-Dec-15 153d IC checks & certifies Method of Construction of Bldg #1 Building Services DS120250 IC checks & comments on Bldg #1 Building Services 14d 03-Jul-15 16-Jul-15 14-Oct-15 27-Oct-15 IC checks & comments on Bldg #1 Building Services DS120300 Revise & resubmit Bldg #1 BS Detailed Design to IC, Employer & ER 7d 17-Jul-15 23-Jul-15 28-Oct-15 03-Nov-15 103d Revise & resubmit Bldg #1 BS Detailed Design to IC, Employer & ER DS120350 IC checks & certifies Bldg #1 Building Services 7d 24-Jul-15 30-Jul-15 103d 04-Nov-15 IC checks & certifies Bldg #1 Building Services DS120400 Employer consents to Bldg #1 Building Services 0d 13-Aug-15 24-Nov-15 103d Employer consents to Bldg #1 Building \$ervices 15-Apr-15 07-Jul-15 Composting & Maturation Building #2 80d 16-Mar-15 24-Jun-15 15-Apr-15 07-Jul-15 15-Apr-15 07-Jul-15 Prepare & make Bldg #2 BS Detailed Design - Electrical System to IC, ER & Employe Prepare & make Bldg #2 BS Detailed Design - Electrical System to IC, ER & Employe Prepare & make Bldg #2 BS Detailed Design - FS System to IC, ER & Employer 27-Apr-15 15-Apr-15 26-May-15 DS130210 28d 16-Mar-15 Prepare & make Bldg #2 BS Detailed Design - FS System to IC, ER & Employer DS130220 Prepare & make Bldg #2 BS Detailed Design - P/D System to IC, ER & Employer 27-Apr-15 15-Apr-15 26-May-15 Prepare & make Bldg #2 BS Detailed Design - P/D System to IC, ER & Employer DS130230 Prepare & make Bldg #2 BS Detailed Design - MVAC System to IC, ER & Employer 28d 16-Mar-15 27-Apr-15 15-Apr-15 26-May-15 Prepare & make Bldg #2 BS Detailed Design - MVAC System to IC, ER & Employer DS130240 Prepare & submit Method of Construction for Bldg #2 Building Services 19-May-15 Prepare & submit Method of Construction for Bldg #2 Building Services DS130245 IC checks & certifies Method of Construction of Bldg #2 Building Services 14d 28-Apr-15 11-May-15 24-Jun-15 07-Jul-15 IC checks & certifies Method of Construction of Bldg #2 Building Services DS130250 IC checks & comments on Bldg #2 Building Services 27-May-15 IC checks & comments on Bldg #2 Building Services Revise & resubmit Bldg #2 BS Detailed Design to IC, Employer & ER DS130300 7d 12-May-15 18-May-15 Revise & resubmit Bldg #2 BS Detailed Design to IC, Employer & ER 10-Jun-15 16-Jun-15 IC checks & certifies Bldg #2 Building Services IC checks & certifies Bldg #2 Building Services DS130350 7d 19-May-15 25-May-15 17-Jun-15 23-Jun-15 Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 15 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation Milestone Critical

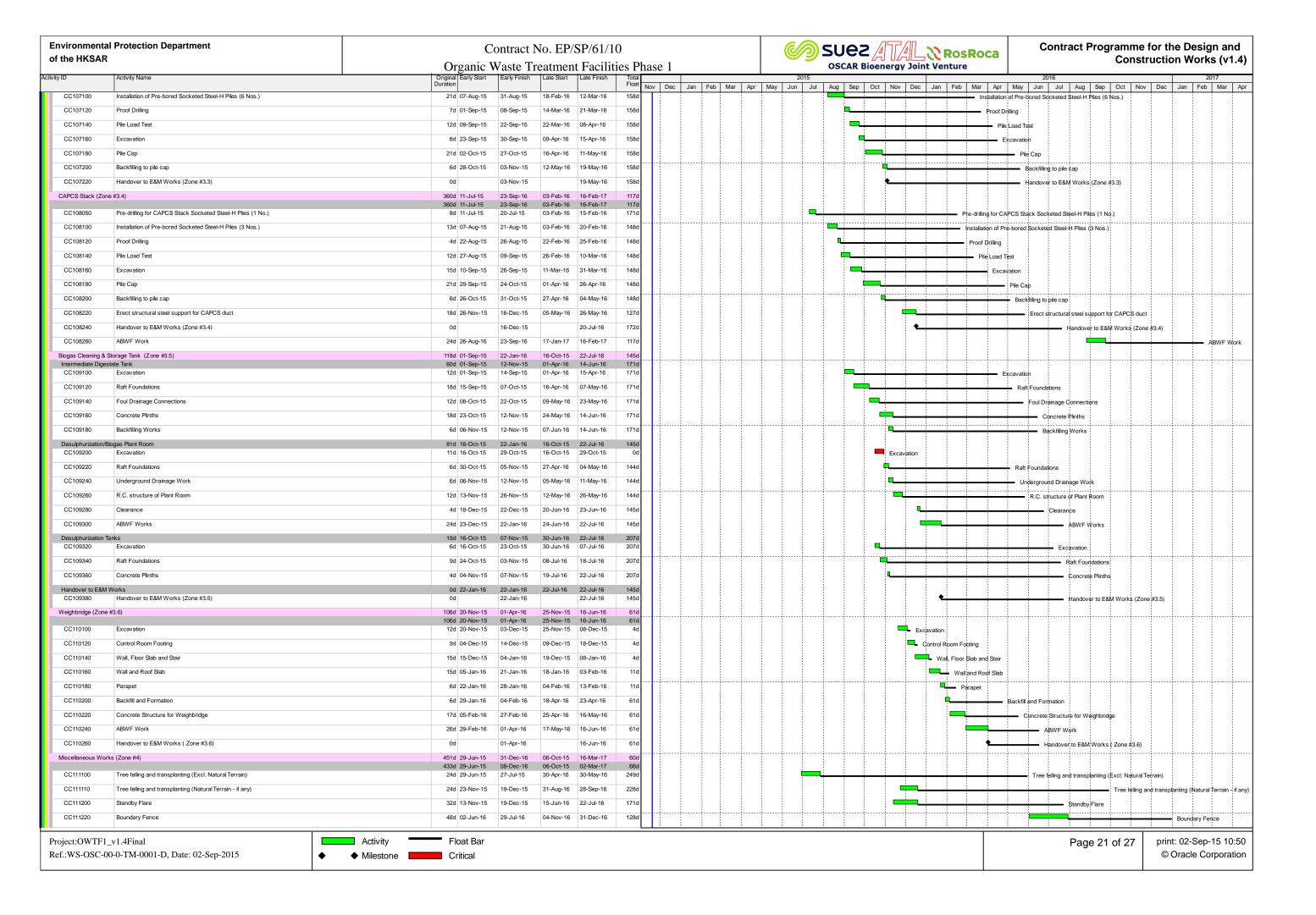
**Environmental Protection Department** SUEZ ATAL X RosRoca **Contract Programme for the Design and** Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4) OSCAR Bioenergy Joint Venture** Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr DS130400 Employer consents to Bldg #2 Building Services 04-Nov-15 10-Dec-1 Auxiliary Building & Facilities #3 71d 11-Aug-15 04-Nov-15 27-Aug-15 10-Dec-15 71d 11-Aug-15 04-Nov-15 27-Aug-15 10-Dec-15 Prepare & make Bldg #3 BS Detailed Design - Electrical System to IC, ER & Employer Prepare & make Bldg #3 BS Detailed Design - Electrical System to IC, ER & Employer Prepare & make Bldg #3 BS Detailed Design - FS System to IC, ER & Employer 12d Prepare & make Bldg #3 BS Detailed Design - FS System to IC, ER & Employer DS140210 32d 11-Aug-15 23-Sep-15 27-Aug-15 13-Oct-15 Prepare & make Bldg #3 B\$ Detailed Design - P/D System to IC, ER & Employer Prepare & make Bldg #3 BS Detailed Design - P/D System to IC, ER & Employer 32d 11-Aug-15 23-Sep-15 27-Aug-15 13-Oct-15 Prepare & make Bldg #3 BS Detailed Design-MVAC of Energy Centre to IC, ER & Employer Prepare & make Bldg #3 BS Detailed Design-MVAC of Energy Centre to IC, ER & Employe DS140230 32d 11-Aug-15 23-Sep-15 27-Aug-15 13-Oct-15 DS140240 Prepare & make Bldg #3 BS Detailed Design- ELV System to IC, ER & Employer 32d 11-Aug-15 23-Sep-15 27-Aug-15 13-Oct-15 Prepare & make Bldg #3 BS Detailed Design- ELV System to IC, ER & Employer DS140245 Prepare & submit Method of Construction for Bldg #3 Building Services 25d 20-Aug-15 23-Sep-15 23-Oct-15 26-Nov-15 Prepare & submit Method of Construction for Bldg #3 Building Services DS140248 IC checks & certifies Method of Construction of Bldg #3 Building Services 14d 24-Sep-15 07-Oct-15 IC checks & certifies Method of Construction of Bldg #3 Building Services 27-Nov-15 10-Dec-15 IC checks & comments on Bldg #3 Building Services DS140250 IC checks & comments on Bldg #3 Building Services 14d 24-Sep-15 07-Oct-15 14-Oct-15 27-Oct-15 20d DS140300 Revise & resubmit Bldg #3 BS Detailed Design to IC, Employer & ER 14-Oct-15 28-Oct-15 Revise & resubmit Bldg #3 BS Detailed Design to IC, Employer & ER DS140350 IC checks & certifies Bldg #3 Building Services 7d 15-Oct-15 21-Oct-15 04-Nov-15 10-Nov-15 20d IC checks & certifies Bldg #3 Building Services DS140400 Employer consents to Bldg #3 Building Services 0d 04-Nov-15 24-Nov-15 Employer consents to Bldg #3 Building Services STATUTORY AND UTILITIES DESIGN SUBMISSION 411d 30-Jan-15 15-Mar-16 06-Mar-15 19-Sep-16 411d 30-Jan-15 15-Mar-16 06-Mar-15 19-Sep-16 411d 30-Jan-15 15-Mar-16 06-Mar-15 19-Sep-16 SU110200 EPD, LandsD, PlanD & ArchSD - Approval for Landscape & Bldg #2 Green Roof Design 28d 19-Sep-15 16-Oct-15 23-Dec-15 19-Jan-16 EPD, LandsD, PlanD & ArchSD - Approval for Landscape & Bldg #2 Green Roof Design SU110210 ArchSD - Comment on Architectural Design 28d 04-Jun-15 01-Jul-15 01-Sep-15 28-Sep-15 - ArchSD - Comment on Architectural Design 24-Apr-15 13-Apr-15 10-May-15 SU110250 GEO - Comment on Geotechnical Interpretative Report 28d 28-Mar-15 GEO - Comment on Geotechnical Interpretative Report SU110260 GEO - Approval for NTH Study Report 28d 09-Oct-15 05-Nov-15 24-Nov-15 21-Dec-15 GEO - Approval for NTH Study Report SU110270 GEO - Approval of NTH Mitigation Design 174d 28d 08-Dec-15 04-Jan-16 30-May-16 26-Jun-16 GEO - Approval of NTH Mitigation Design SU110280 GEO - Approval of Manmade Slope Design 26-Jan-16 22-Feb-16 GEO - Approval of Manmade Slope Design SU110300 EPD - Sewage Discharge License approval 28d 20-Jun-15 17-Jul-15 05-Jul-15 01-Aug-15 EPD - Sewage Discharge License approval SU110330 CLP - Consent of Scheme for Provision of Electricity to CLP 06-Mar-15 CLP - Consent of Scheme for Provision of Electricity to CLP CLP - Approval of Transformer Room layout, Cable duct arrangement and Grid Connection CLP - Approval of Transformer Room layout, Cable duct arrangement and Grid Connectio SU110350 28d 22-Aug-15 18-Sep-15 22-Aug-15 18-Sep-15 SU110360 CLP - Approval of Subission Package on Grid Arrangement 16-Oct-15 19-Sep-15 16-Oct-15 CLP - Approval of Subission Package on Grid Arrangement DSD - Approval for Stormwater and Sewerage Connection 17-Jul-15 SU110400 28d 20-Jun-15 05-Jul-15 01-Aug-15 DSD - Approval for Stormwater and Sewerage Connection SU110450 WSD - Approval for Water Supply & Plumbing WSD - Approval for Water Supply & Plumbing FSD - Approval for Fire Safety, Dangerous Goods Application and Fire Services Installations SU110500 FSD - Approval for Fire Safety, Dangerous Goods Application and Fire Services Installations 28d 12-Aug-15 08-Sep-15 28-Aug-15 24-Sep-15 SU110550 31-Aug-15 EMSD - Approval for Lift Design SU110600 TD & HyD - Approval for Access Road & Entrance (Portion 2) Design 28d 25-Sep-15 22-Oct-15 12-Oct-15 08-Nov-15 TD & HyD - Approval for Access Road & Entrance (Portion 2) Design SU110620 Liaison with HKPF, TD & HyD - for Access Road & Entrance (Portion 2) works 15-Mar-16 188 Liaison with HKPF, TD & HyD - for Access Road & Entra 43d SU110650 LandsD & EPD - Approval of Tree preservation, transplanting and felling proposals (Excl. Natural Terrain) 70d 30-Jan-15 09-Apr-15 14-Mar-15 22-May-15 LandsD & EPD - Approval of Tree preservation, transplanting and felling proposals (Excl. Natural Terrain) LandsD & EPD - Approval of Tree preservation, transplanting and felling proposals (Natural Terrain - if any) 70d 16-Aug-15 24-Oct-15 25-May-16 02-Aug-16 283d LandsD & EPD - Approval of Tree preservation, transplanting and fe PROCUREMENT, MANUFACTURING, F.A.T., SHIPMENT AND DELIVERY OF E&M SYSTEMS EQUIPMENT Waste Receiving, Storage and Feeding System 221d 09-Mar-15 26-Jan-16 26-Mar-15 28-Jun-16 26-Mar-15 28-Jun-16 221d 09-Mar-15 26-Jan-16 221d 09-Mar-15 26-Jan-16 26-Mar-15 28-Jun-16 102d PR110110 Issue orders & receive shop drawings from Waste Receiving, Storage and Feeding System suppliers 20d 09-Mar-15 08-Apr-15 26-Mar-15 27-Apr-15 - Issue orders & receive shop drawings from Waste Receiving, Storage and Feeding System suppliers PR110120 Overhead Grabbing System 192d 22-Apr-15 26-Jan-16 20-Jul-15 27-Apr-16 60d Overhead Grabbing System Weighbridge Platform 103d 09-Jul-15 03-Dec-15 130d PR200100 14-Jan-16 16-Jun-16 Weighbridge Platform PR200120 Weighbridge Computer System 61d 22-Oct-15 18-Jan-16 31-Mar-16 28-Jun-16 1084 PR210100 Vehicle Wash Plant / Bin Handling / Water Canon System 102d 09-Jul-15 02-Dec-15 10-Dec-15 12-May-16 Vehicle Wash Plant / Bin Handling / Water Canon System PR210120 Water Reclamation System 102d 09-Jul-15 02-Dec-15 10-Dec-15 12-May-16 107d Pre-Treatment System 205d 19-Mar-15 14-Jan-16 26-Mar-15 27-Apr-16 205d 19-Mar-15 14-Jan-16 26-Mar-15 27-Apr-16 PR110100 Issue orders & receive shop drawings from Pre-treatment suppliers 26-Mar-15 27-Apr-15 20d 19-Mar-15 20-Apr-15 Issue orders & receive shop drawings from Pre-treatment suppliers PR110140 Reception Hoppers and Screw Conveyors 86d 03-Aug-15 03-Dec-15 18-Dec-15 27-Apr-16 Reception Hoppers and Screw Conveyors PR110160 86d 07-Sep-15 11-Jan-16 18-Dec-15 27-Apr-16 Crushers 11-Jan-16 PR110180 Sieve Drums 86d 07-Sep-15 18-Dec-15 27-Apr-16 Sieve Drums PR110200 Sand Grip Trap / Metal Separator 86d 07-Sep-15 11-Jan-16 18-Dec-15 27-Apr-16 Sand Grip Trap / Metal Separator Suspension Buffer Tank PR110220 86d 07-Sep-15 11-Jan-16 18-Dec-15 27-Apr-16 Suspension Buffer Tank Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 16 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation Milestone Critical

**Environmental Protection Department Contract Programme for the Design and** SUEZ A LA ROSROCA Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4)** OSCAR Bioenergy Joint Venture Organic Waste Treatment Facilities Phase 1 | Total | Float | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | PR110240 Pumps and Mixers / Mecrator / Compressed Air System PR110260 Overhead Travelling Crane 123d 21-Jul-15 14-Jan-16 28-Oct-15 27-Apr-16 Overhead Travelling Crane Anaerobic Digestion (AD) Treatment System 213d 20-Apr-15 25-Feb-16 15-Jul-15 24-Mar-16 25-Feb-16 213d 20-Apr-15 25-Feb-16 15-Jul-15 24-Mar-16 PR120100 Issue orders & receive shop drawings from AD suppliers 20d 20-Apr-15 18-May-15 15-Jul-15 11-Aug-15 Issue orders & receive shop drawings from AD suppliers PR120120 86d 22-Oct-15 25-Feb-16 19-Nov-15 24-Mar-16 Digester Tanks PR120140 86d 22-Oct-15 25-Feb-16 19-Nov-15 24-Mar-16 Jet Mixing System Heat Exchangers PR120160 86d 22-Oct-15 25-Feb-16 19-Nov-15 24-Mar-16 Heat Exchangers PR120180 Digestate Circulation and Feeding Pumps 86d 22-Oct-15 25-Feb-16 19-Nov-15 24-Mar-16 Digestate Circulation and Feeding Pumps PR120200 Intermediate Digestate Tanks 64d 22-Oct-15 21-Jan-16 21-Dec-15 24-Mar-16 Intermediate Digestate Tanks 306d 08-Apr-15 30-Jun-16 28-Apr-15 27-Jul-16 Biogas Cleaning and Storage System 219d 08-Apr-15 23-Feb-16 28-Apr-15 22-Jul-16 219d 08-Apr-15 23-Feb-16 28-Apr-15 22-Jul-16 102d PR130100 Issue orders & receive shop drawings from Biogas suppliers 17d 08-Apr-15 30-Apr-15 28-Apr-15 21-May-15 Issue orders & receive shop drawings from Biogas suppliers PR130120 Desulphurisation System 64d 19-Nov-15 23-Feb-16 21-Apr-16 22-Jul-16 102d Desulphurisation Syster PR130140 Biogas Storage Tank 64d 19-Nov-15 23-Feb-16 21-Apr-16 22-Jul-16 102d Biogas Storage Tank Biogas Distribution System 306d 08-Apr-15 30-Jun-16 28-Apr-15 27-Jul-16 306d 08-Apr-15 30-Jun-16 28-Apr-15 27-Jul-16 Standby Gas Flaring Unit PR140180 107d 06-Aug-15 08-Jan-16 22-Feb-16 27-Jul-16 134d Standby Gas Flaring Unit 17d 08-Apr-15 30-Apr-15 28-Apr-15 21-May-15 PR160100 Issue orders & receive shop drawings from Biogas suppliers 14d Issue orders & receive shop drawings from Biogas suppliers PR160120 Biogas Blowers 223d 06-Aug-15 30-Jun-16 27-Aug-15 22-Jul-16 PR160140 Biogas Cooling and Condensate Removal System 223d 06-Aug-15 30-Jun-16 27-Aug-15 22-Jul-16 Combined Heat Recovery and Power (CHP) Generation System 383d 15-Mar-15 02-Jul-16 15-Mar-15 02-Jul-16 383d 15-Mar-15 02-Jul-16 15-Mar-15 02-Jul-16 15-Mar-15 30-Mar-15 Issue orders & receive shop drawings from CHP suppliers Issue orders & receive shop drawings from CHP suppliers PR140120 Co Generator and Heat Exchanger / H2S Polishing 365d 04-Jul-15 02-Jul-16 04-Jul-15 02-Jul-16 Co Generator and Heat Exchanger / H2S Polishing PR140140 FAT of Co-Generator and Heat Exchanger 5d 19-Jan-16 25-Jan-16 22-Apr-16 28-Apr-16 FAT of Co-Generator and Heat Exchanger Electric Water Heater 64d 06-Jul-15 05-Oct-15 30-Mar-16 30-Jun-16 182d Flectric Water Heater PR140160 PR140200 Heat Water Circulation Pumps 64d 06-Jul-15 05-Oct-15 30-Mar-16 30-Jun-16 Continuous Emission Monitoring System (CEMS) 191d 08-May-15 12-Feb-16 13-May-15 13-May-16 191d 08-May-15 12-Feb-16 13-May-15 13-May-16 PR190100 Issue orders & receive shop drawings from CEMS suppliers 19d 08-May-15 04-Jun-15 13-May-15 09-Jun-15 Issue orders & receive shop drawings from CEMS suppliers CEMS Equipment 103d 11-Sep-15 12-Feb-16 10-Dec-15 13-May-16 PR190120 CEMS Equipment 315d 12-Feb-15 25-May-16 12-Feb-15 07-Sep-16 315d 12-Feb-15 25-May-16 12-Feb-15 07-Sep-16 315d 12-Feb-15 25-May-16 12-Feb-15 07-Sep-16 PR170110 Issue orders & receive shop drawings from Digestate Dewatering suppliers 18d 12-Feb-15 11-Mar-15 12-Feb-15 11-Mar-15 Issue orders & receive shop drawings from Digestate Dewatering suppliers PR170180 Centrifuge / Polymer Dosing System 143d 27-Oct-15 25-May-16 12-Feb-16 07-Sep-16 Centrifuge / Polymer Dosing System \_\_\_\_\_ PR170190 Leachate Treatment, Pump & Sump Pump 143d 27-Oct-15 25-May-16 12-Feb-16 07-Sep-16 73d Leachate Treatment, Pump & Sump Pump 284d 12-Feb-15 11-Apr-16 Composting System (Composting Tunnel, Maturation Area and Structurant Reception Area) 12-Feb-15 07-Sep-16 284d 12-Feb-15 11-Apr-16 12-Feb-15 07-Sep-16 284d 12-Feb-15 11-Apr-16 12-Feb-15 07-Sep-16 PR170100 Issue orders & receive shop drawings from Composting suppliers 18d 12-Feb-15 11-Mar-15 12-Feb-15 11-Mar-15 Issue orders & receive shdp drawings from Composting suppliers PR170120 103d 09-Sep-15 05-Feb-16 13-Apr-16 07-Sep-16 Crusher PR170140 143d 09-Sep-15 11-Apr-16 12-Feb-16 07-Sep-16 104d PR170160 Sieve / Belt Conveyor 103d 09-Sep-15 05-Feb-16 23-Nov-15 25-Apr-16 Sieve / Belt Conveyor PR170200 Compost Bagging Machine 103d 09-Sep-15 05-Feb-16 13-Apr-16 07-Sep-16 144d PR170220 Aeration Blowers 103d 09-Sep-15 05-Feb-16 13-Apr-16 07-Sep-16 Aeration Blowers PR170240 Heat Exchangers 103d 09-Sep-15 05-Feb-16 23-Nov-15 25-Apr-16 Heat Exchangers PR170260 Hot Water Circulation Pumps 103d 09-Sep-15 05-Feb-16 23-Nov-15 25-Apr-16 Hot Water Circulation Pumps PR170280 Tunnel Doors / Mesh Floor 103d 09-Sep-15 05-Feb-16 28-Dec-15 30-May-16 Tunnel Doors / Mesh Floor 266d 16-Mar-15 13-Apr-16 31-Mar-15 19-May-16 Wastewater Treatment System (WWTS) 266d 16-Mar-15 13-Apr-16 31-Mar-15 19-May-16 266d 16-Mar-15 13-Apr-16 31-Mar-15 19-May-16 17d 16-Mar-15 10-Apr-15 Issue orders & receive shop drawings from WWTS suppliers 31-Mar-15 27-Apr-15 Issue orders & receive shop drawings from WWTS suppliers PR150120 Wastewater Treatment Plant 103d 24-Sep-15 25-Feb-16 23-Nov-15 25-Apr-16 PR150140 Ammonia Stripping Plant 134d 24-Sep-15 13-Apr-16 03-Nov-15 19-May-16 Ammonia Stripping Plant 236d 12-Feb-15 26-Jan-16 12-Feb-15 03-Jun-16 Centralized Air Pollution Control (CAPC) System Project:OWTF1\_v1.4Final Activity Float Bar Page 17 of 27 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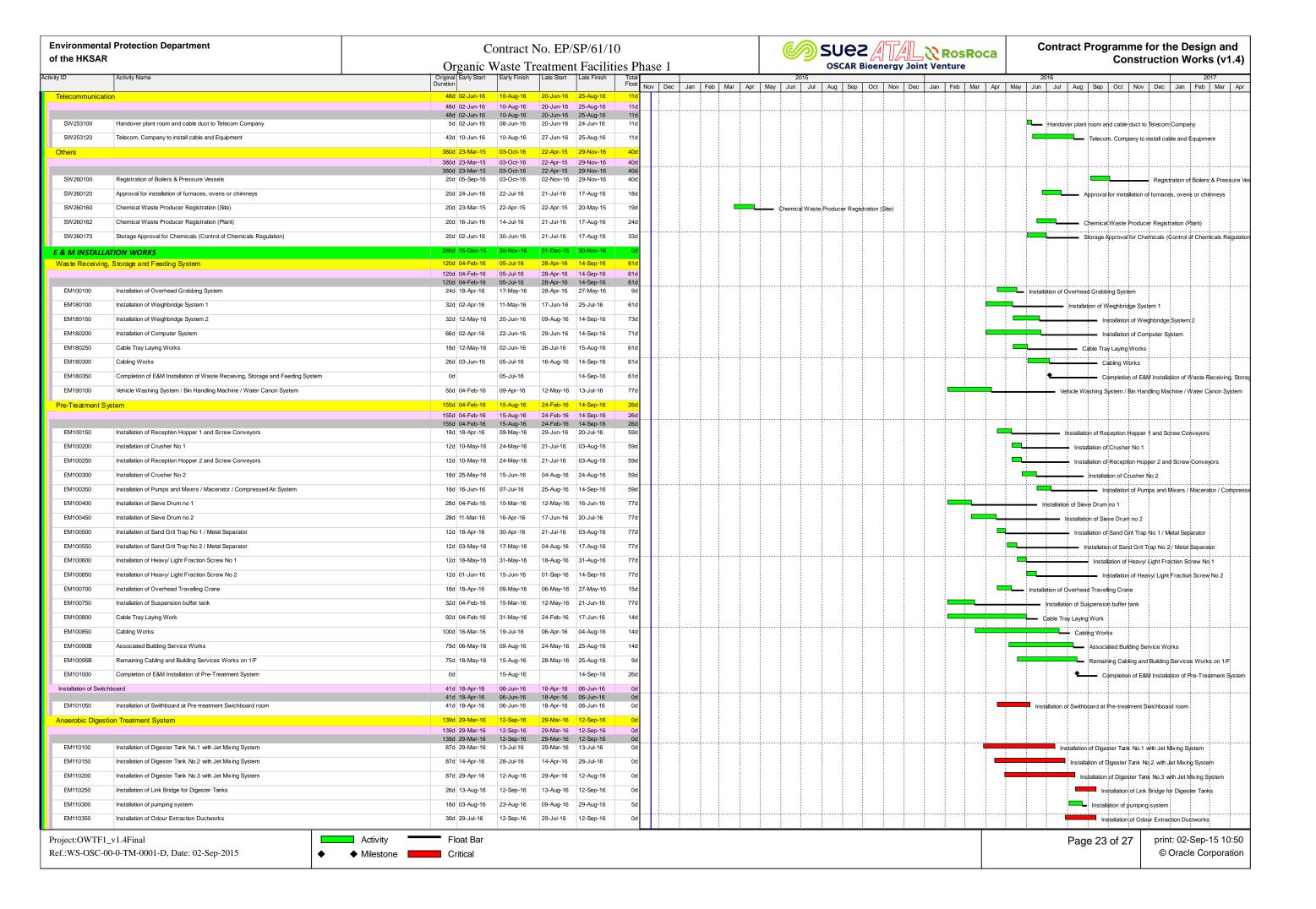
**Environmental Protection Department Contract Programme for the Design and** SUEZ A LA ROSROCA Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4)** OSCAR Bioenergy Joint Venture Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Apr 236d 12-Feb-15 26-Jan-16 12-Feb-15 03-Jun-16 12-Feb-15 11-Mar-15 PR180100 Issue orders & receive shop drawings from CAPC suppliers 18d 12-Feb-15 11-Mar-15 Issue orders & receive shop drawings from CAPC suppliers PR180120 CAPC System Equipment 103d 28-Aug-15 26-Jan-16 04-Jan-16 03-Jun-16 Bulk Materia 295d 09-Mar-15 18-May-16 26-Mar-15 25-Aug-16 295d 09-Mar-15 18-May-16 26-Mar-15 25-Aug-16 26-Mar-15 27-Apr-15 Issue orders & receive shop drawings from Mechanical Equipment suppliers Issue orders & receive shop drawings from Mechanical Equipment suppliers 105d 21-Jul-15 17-Dec-15 11-Nov-15 15-Apr-16 PR220100 Mechanical Equipment - Penstock, Pipework, Valve, Lifting Appliance, Roller Shutters etc. Mechanical Equipment - Penstock, Pipework, Valve, Lifting Appliance, Roller Shutters etc. PR220110 Issue orders & receive shop drawings from Platforms, Handrails & Ladders suppliers 20d 17-Jun-15 15-Jul-15 15-Jul-15 11-Aug-15 Issue orders & receive shop drawings from Platforms, Handrails & Ladders suppliers 90d 05-Nov-15 16-Mar-16 19-Apr-16 25-Aug-16 PR220120 110d Platforms, Handrails and Ladders PR220130 Issue orders & receive shop drawings from Permanent Mobile Plants suppliers Issue orders & receive shop drawings from Permanent Mobile Plants suppliers Permanent Mobile Plants PR220140 120d 20-Nov-15 18-May-16 03-Mar-16 25-Aug-16 Electrical System & Accessorie 228d 15-May-15 15-Apr-16 15-May-15 15-Apr-16 228d 15-May-15 15-Apr-16 15-May-15 15-Apr-16 PR230100 Issue orders & receive shop drawings from Electrical suppliers 12d 15-May-15 02-Jun-15 15-May-15 02-Jun-15 Issue orders & receive shop drawings from Electrical suppliers PR230120 MCC and Electrical Accessories System 121d 19-Oct-15 15-Apr-16 19-Oct-15 15-Apr-16 MCC and Electrical Accessories System PR230180 Cables and Accessories, Cable Containment System 61d 19-Oct-15 14-Jan-16 14-Jan-16 15-Apr-16 40d 19-Oct-15 14-Dec-15 04-Nov-15 30-Dec-15 PR230200 Earthing and Lightning Earthing and Lightning PR230220 Emergency Generator 101d 19-Oct-15 15-Mar-16 17-Nov-15 15-Apr-16 Emergency Generator Main LV Switch Board 228d 15-May-15 15-Apr-16 15-May-15 15-Apr-16 PR230130 Issue orders & receive shop drawings from LV Switch Board suppliers 12d 15-May-15 02-Jun-15 15-May-15 02-Jun-15 Issue orders & receive shop drawings from LV Switch Board suppliers 121d 19-Oct-15 15-Apr-16 19-Oct-15 15-Apr-16 LV Switch Board, switchgear and Instrumentation LV Switch Board, switchgear and Instrumentation FAT of LV Switch Board 5d 01-Apr-16 08-Apr-16 01-Apr-16 08-Apr-16 FAT of LV Switch Board PR230160 SCADA /PLC System 85d 27-May-15 22-Feb-16 185d 27-May-15 22-Feb-16 24-Aug-15 04-May-16 185d 27-May-15 22-Feb-16 24-Aug-15 04-May-16 PR240100 Issue orders & receive shop drawings from SCADA/PLC suppliers 20d 27-May-15 23-Jun-15 24-Aug-15 18-Sep-15 ssue orders & receive shop drawings from SCADA/PLC suppliers PR240120 SCADA/PLC System and component 83d 22-Oct-15 22-Feb-16 30-Dec-15 04-May-16 SCADA/PLC System and componer PR240140 FAT of SCADA/PLC System 2d 29-Jan-16 01-Feb-16 14-Apr-16 15-Apr-16 FAT of SCADA/PLC System 23-Mar-16 274d 12-Feb-15 13-Mar-15 06-Jul-16 Building Services Equipment (Including Lift & Renewable Energy System) 274d 12-Feb-15 23-Mar-16 13-Mar-15 06-Jul-16 274d 12-Feb-15 23-Mar-16 13-Mar-15 06-Jul-16 Issue orders & receive shop drawings from BS supplier 13-Mar-15 13-Mar-15 14-Apr-15 Issue orders & receive shop drawings from BS suppliers PR250120 Firemen and Disable Lift 83d 22-Oct-15 22-Feb-16 11-Dec-15 15-Apr-16 Firemen and Disable Lift PR250140 Absorption Chiller 11-Dec-15 11-Dec-15 15-Apr-16 Absorption Chiller PR250160 Electrical Chiller 81d 05-Nov-15 03-Mar-16 15-Dec-15 15-Apr-16 Electrical Chiller PR250170 81d 05-Nov-15 03-Mar-16 25-Nov-15 23-Mar-16 Cooling Tower Cooling Tower PR250175 45d 18-Jan-16 23-Mar-16 05-Feb-16 15-Apr-16 Airduct and Accessories Airduct and Accessories 11-Dec-15 PR250180 Chilled Water Circulation Pumps 11-Dec-15 15-Apr-16 Chilled Water Circulation Pumps PR250200 Fan coil and air handling units 83d 14-Aug-15 11-Dec-15 11-Dec-15 15-Apr-16 Fan coil and air handling units PR250210 Fire Services System Equipmen 15-Dec-15 15-Apr-16 Fire Services System Equipmen Plumbing and Drainage System Equipment 81d 05-Nov-15 03-Mar-16 15-Dec-15 15-Apr-16 PR250220 Plumbing and Drainage System Equipm ELV System Equipment 81d 05-Nov-15 03-Mar-16 08-Mar-16 06-Jul-16 PR250230 ELV System Equipmen 24d 26-Feb-15 25-Mar-15 14-Apr-15 12-May-15 24d 26-Feb-15 25-Mar-15 14-Apr-15 12-May-15 24d 26-Feb-15 25-Mar-15 14-Apr-15 12-May-15 36d CC100010 Permission / Comments from WSD before Commencement of works 24d 26-Feb-15 25-Mar-15 14-Apr-15 12-May-15 Permission / Comments from WSD before Commencement of works Location at Grid 6-15/H-M 53d 19-Aug-15 22-Oct-15 19-Aug-15 06-Jan-16 53d 19-Aug-15 22-Oct-15 19-Aug-15 06-Jan-16 Excavation by Open Cut CC100100 Excavation by Open Cut 20d 19-Aug-15 10-Sep-15 19-Aug-15 10-Sep-15 CC100120 Installation of Ground Beams and Slabs 18d 11-Sep-15 03-Oct-15 11-Sep-15 03-Oct-15 Installation of Ground Beams and Slabs 15d 05-Oct-15 22-Oct-15 17-Dec-15 06-Jan-16 CC100140 Underground Drainage Work 62d Underground Drainage Wor Location at Grid 6-15/L-O 63d 11-Sep-15 26-Nov-15 27-Oct-15 01-Mar-16 63d 11-Sep-15 26-Nov-15 27-Oct-15 01-Mar-16 Excavation by Open Cut Limited to Grid 11-15/M-O 12d 11-Sep-15 24-Sep-15 27-Oct-15 09-Nov-15 Excavation by Open Cut Limited to Grid 11-15/M-O CC101100 Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 18 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation Milestone Critical

**Environmental Protection Department** SUEZ ATAL & RosRoca **Contract Programme for the Design and** Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4)** OSCAR Bioenergy Joint Venture Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Apr CC101120 Drive Type II Sheet Pile forming planking wall for ELS Drive Type II Sheet Pile forming planking wall for ELS CC101140 Install ELS and further excavate for Deep Bunker 18d 05-Oct-15 26-Oct-15 18-Nov-15 08-Dec-15 Install ELS and further excavate for Deep Bunker CC101160 Construct Deep Bunker r.c. structure 18d 27-Oct-15 16-Nov-15 30-Jan-16 23-Feb-16 Construct Deep Bunker r.c. structure CC101180 Backfilling - reinstate to Lev. Approx. +6.30m.P.D. 6d 17-Nov-15 23-Nov-15 24-Feb-16 01-Mar-16 Backfilling - reinstate to Lev. Approx. +6.30m.P.D. CC101200 Excavation by Open Cut to whole area 25d 25-Sep-15 27-Oct-15 Excavation by Open Cut to whole area CC101220 Installation of Ground Beams and Slabs 26d 28-Oct-15 26-Nov-15 06-Jan-16 04-Feb-16 57d 362d 05-Oct-15 20-Dec-16 05-Oct-15 16-Mar-17 362d 05-Oct-15 20-Dec-16 05-Oct-15 16-Mar-17 Underground Drainage Work CC102100 18d 30-Dec-15 20-Jan-16 11-Mar-16 05-Apr-16 Underground Drainage Work CC102120 Base of Suspension Buffer Tank 26d 27-Nov-15 29-Dec-15 05-Feb-16 09-Mar-16 57d CC102140 Wall and Column G/F to +12.00m.P.D. 54d 05-Oct-15 07-Dec-15 05-Oct-15 07-Dec-15 Wall and Column G/F to +12 00m PD CC102160 Floor Slabs and Beam at +12.00m.P.D. 16d 08-Dec-15 28-Dec-15 08-Dec-15 28-Dec-15 Floor Slabs and Beam at +12.00m.P.D. Wall and Column from +12.00m.P.D. to +17.20m.P.D. CC102180 17d 29-Dec-15 18-Jan-16 29-Dec-15 18-Jan-16 Wall and Column from +12.00m.P.D. to +17.20m.P.D. CC102200 Floor Slabs and Beam at +17.20m.P.D. 17d 19-Jan-16 06-Feb-16 19-Jan-16 06-Feb-16 Floor Slabs and Beam at +17.20m.P.D. CC102220 Wall and Column from +17.20m.P.D. to +22.60m.P.D. 18d 11-Feb-16 02-Mar-16 14-Mar-16 07-Apr-16 Wall and Column from +17.20m.P.D. to +22.60m.P.D. CC102225 Fabricate & Deliver Roof Structural Steelwork 77d 24-Oct-15 25-Jan-16 31-Dec-15 07-Apr-16 Fabricate & Deliver Roof Structural Steelwork Erect Roof Steelwork at +22.60mPD 09-Mar-16 27d CC102230 6d 03-Mar-16 08-Apr-16 14-Apr-16 Erect Roof Steelwork at +22.60mPD CC102240 Roof at +22.60m.P.D. 12d 10-Mar-16 23-Mar-16 12-May-16 26-May-16 CC102260 Clearance of Internal Area of G/F 6d 29-Dec-15 15-Jan-16 21-Jan-16 05-Jan-16 Clearance of Internal Area of G/F CC102280 Erect bamboo working platform at Internal Area of G/F 12d 06-Jan-16 19-Jan-16 22-Jan-16 04-Feb-16 Ereot bamboo working platform at Internal Area of G/F ABWF Works at G/F ABWF Works at G/F 19-Feb-16 CC102300 24d 20-Jan-16 05-Feb-16 07-Mar-16 CC102320 Clearance of Internal Area of Mezz Lev. & 1/F 10-Mar-16 01-Mar-16 Clearance of Internal Area of Mezz Lev. & 1/F Erect bamboo working platform at Internal Area of Mess Lev. & 1.F Erect bamboo working platform at Internal Area of Mess Lev. & 1.F CC102340 12d 11-Mar-16 24-Mar-16 11-Mar-16 24-Mar-16 CC102360 ABWE Works at 1/F to R/F 40d 29-Mar-16 17-May-16 29-Mar-16 17-May-16 ABWF Works at 1/F to R/F 17-May-16 CC102370 Rermoval of Scaffolding and Working Platform 0d 25-Aug-16 Rermoval of Scaffolding and Working Platform CC102380 External and Remaining ABWF Works 85d 24-Mar-16 08-Aug-16 17-Nov-16 109d External and Remaining ABWF Works CC102400 Handover G/F to E&M Works (Zone #1.1) 0d 04-Feb-16 24-Feb-16 Handover G/F to E&M Works (Zone #1.1) CC102420 Handover 1/F to E&M Works (Zone #1.2) 18-Apr-16 ♦ Handover 1/F to E&M Works (Zone #1.2) CC102440 Interior Fitting-out Works to Admin & Visitor Areas 74d 11-Aug-16 08-Nov-16 02-Nov-16 02-Feb-17 68d Interior Fitting-out V CC102450 Green Roof and Planting Preparation Works (Zone #1) Green Roof and Planting Prepa 1..... Green Roof and Planting Works (Zone #1) 93d CC102460 18d 26-Aug-16 15-Sep-16 16-Dec-16 09-Jan-17 Green Roof and Planting 10-Jan-17 02-Feb-17 CC102470 Green Roof Landscape Softworks (Zone #1) 08-Oct-16 Green Roof Landso Snagging to Interior Fitting-out Works to Admin & Visitor Areas CC102480 36d 09-Nov-16 20-Dec-16 03-Feb-17 16-Mar-17 Composting Building & Facilities - Zone #2 Composting Building #2 (Zone #2.1) For Location at Grid 1-5/A-C 54d 23-May-15 28-Jul-15 23-May-15 06-Oct-15 CC103100 Excavation by Open Cut 21d 23-May-15 17-Jun-15 23-May-15 17-Jun-15 Excavation by Open Cut Tank slabs and walls 18-Jun-15 07-Jul-15 CC103140 Installation of Ground Beams and Slabs 18d 08-.lul-15 28-.lul-15 14-Sep-15 06-Oct-15 Underground Drainage Work CC103160 Underground Drainage Work 24-Jul-15 08-Jul-15 24-Jul-15 For Location at Grid 1-5/C-G 39d 25-Jul-15 08-Sep-15 25-Jul-15 06-Oct-15 Excavation by Open Cut CC103180 21d 25-Jul-15 18-Aug-15 25-Jul-15 18-Aug-15 Excavation by Open Cut CC103200 Installation of Ground Beams and Slabs 18d 19-Aug-15 08-Sep-15 14-Sep-15 06-Oct-15 Installation of Ground Beams and Slabs CC103220 Underground Drainage Work 15d 19-Aug-15 04-Sep-15 17-Sep-15 06-Oct-15 416d 09-Sep-15 04-Feb-17 07-Oct-15 16-Mar-17 CC103240 26d 09-Sep-15 10-Oct-15 07-Oct-15 06-Nov-15 Backfilling works CC103260 Walls & Columns G/F to 1/F 58d 31-Oct-15 09-Jan-16 07-Nov-15 16-Jan-16 Walls & Columns G/F to 1/F Superstructure - 1/F Slab & Beams 27d 30-Dec-15 30-Jan-16 07-Jan-16 06-Feb-16 CC103280 Superstructure - 1/F Slab & Bean Superstructure - 1/F to Roof Superstructure 1/F to Roof CC103320 Clearance 6d 18-Feb-16 24-Feb-16 18-Mar-16 24-Mar-16 Clearance Erect Bamboo Working Platform for Internal Finishing Works CC103340 Erect Bamboo Working Platform for Internal Finishing Works 25d CC103360 Internal Finishing Works 39d 10-Mar-16 28-Apr-16 13-Apr-16 30-May-16 Internal Finishing Works Erect Bamboo Working Platform for External Finishing Works 12d 10-Mar-16 23-Mar-16 05-Jul-16 Erect Bamboo Working Platform for External Finishing Works CC103400 External Finishing Works 43d 24-Mar-16 19-May-16 19-Jul-16 06-Sep-16 External Finishing Works Project:OWTF1\_v1.4Final Activity Float Bar Page 19 of 27 print: 02-Sep-15 10:50 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation ◆ Milestone Critical

Environmental of the HKSAR	Protection Department	Co Organic V	ontract N				oro 1		SUEZ ROSRO OSCAR Bioenergy Joint Venture	Contract Programme Const	for the Design and ruction Works (v1.4)
tivity ID	Activity Name	Original Early Start Duration	Early Finish		Late Finish	Total	ise i	2015	OSCAR Bioenergy Joint Venture	2016	2017
_							ov Dec Jan Feb Mar Apr May	Jun J	Jul Aug Sep Oct Nov Dec Jan Feb Mar		Dec Jan Feb Mar Apr
CC103420	ABWF Work	40d 05-Jan-16	23-Feb-16	12-Jan-16		6d		<u> </u>	ABW		
	Remaining ABWF Work	71d 24-Feb-16	23-May-16	02-Mar-16	30-May-16	6d				Remaining ABWF Work	
CC103460	Handover to E&M Works (Zone #2.1)	Od	23-May-16		30-May-16	6d				◆ Handover to E&M Works (Zorle #2.1)	
CC103480	Green Roof and Planting Preparation Works	77d 29-Jul-16	29-Oct-16	07-Sep-16	08-Dec-16	34d					Green Roof and Planting Prepara
CC103500	Green Roof and Planting Works	26d 31-Oct-16	29-Nov-16	09-Dec-16	11-Jan-17	34d				_	Green Roof and Plantin
CC103520	Green Roof Landscape Softworks	26d 30-Nov-16	31-Dec-16	12-Jan-17	14-Feb-17	34d					Green Roof La
CC103600	Snagging on Zone #2 ABWF works	26d 03-Jan-17	04-Feb-17	15-Feb-17	16-Mar-17	34d					Snaggi
Link Bridge (Zone #2.	2)	166d 31-Oct-15	25-May-16	24-Dec-15	09-Jul-16	37d					
CC104100	Fabricate & deliver Structural Steelwork	166d 31-Oct-15 103d 31-Oct-15	25-May-16 05-Mar-16		09-Jul-16 04-May-16	37d 46d				Fabricate & deliver Structural Steelwork	
CC104120	Installation of Bearing Support for Link Bridge at Bldg 1 & 2	12d 03-Mar-16	16-Mar-16		04-May-16	37d			_		
								ļ		Installation of Bearing Support for Link Bridge at Bld	]1 & 2
	Erect Steelwork for Link Bridge	18d 17-Mar-16	11-Apr-16		26-May-16	37d			_	Erect Steelwork for Link Bridge	
CC104160	ABWF Works at Link Bridge	36d 12-Apr-16	25-May-16		09-Jul-16	37d				ABWF Works at Link Bridge	
CC104180	Handover to E&M Works at Link Bridge (Zone #2.2)	0d	25-May-16		09-Jul-16	37d				Handover to E&M Works at Link E	ridge (Zone #2.2)
	& Facilities (Zone #3)	489d 13-May-15	31-Dec-16	,	16-Mar-17	60d					
Energy Centre (Buildin	g # 3/Zone #3.1)	102d 30-Oct-15 102d 30-Oct-15	03-Mar-16 03-Mar-16		03-Mar-16 03-Mar-16	0d 0d					<del>        </del>
CC105100	Excavation for Bldg #3.1 & Cogen Units	18d 30-Oct-15	19-Nov-15		19-Nov-15	0d			Excavation for Bldg #3.1 & Coge	ı Units	
CC105120	Raft Foundations	18d 20-Nov-15	10-Dec-15	20-Nov-15	10-Dec-15	0d			Raft Foundations		
CC105140	Foul Drainage Connections	11d 11-Dec-15	23-Dec-15	11-Dec-15	23-Dec-15	0d			Foul Drainage Connect	ons	
CC105160	Slab at G/F Bldg #3	11d 24-Dec-15	08-Jan-16	24-Dec-15	08-Jan-16	0d			Slab at G/F Bldq #3		
	Walls & Columns G/F to 1/F	5d 09-Jan-16	14-Jan-16		14-Jan-16	0d			■ Walls & Columns		
CC105200	Slab at 1/F					Od			Slab at 1/F	3/F to 1/F	
		6d 15-Jan-16	21-Jan-16		21-Jan-16						
	Walls & Columns 1/F to R/F	6d 22-Jan-16	28-Jan-16		28-Jan-16	0d			■ Walls & Colur		
CC105240	R/F Slab & Beams	6d 29-Jan-16	04-Feb-16		04-Feb-16	0d			R/F Slab & I	eams	
CC105260	Parapet Walls	5d 05-Feb-16	13-Feb-16	05-Feb-16	13-Feb-16	0d			Parapet V	alls	
CC105280	Backfilling Works	12d 15-Jan-16	28-Jan-16	02-Feb-16	18-Feb-16	15d			Backfillir	y Works	
CC105300	Concrete Plinths / Walls / Trenches	12d 29-Jan-16	15-Feb-16	19-Feb-16	03-Mar-16	15d			Con	rete Plinths / Walls / Trenches	
CC105320	ABWF Works	16d 15-Feb-16	03-Mar-16	15-Feb-16	03-Mar-16	0d			<b>□</b> ABW	F Works	
CC105340	Handover to E&M Works (Bldg #3/Zone #3.1)	Od	03-Mar-16		03-Mar-16	0d			<b>♦</b> Han	over to E&M Works (Bldg #3/Zone #3.1)	
Anaerobic Digestion T	anks (Zone #3.2)	263d 13-May-15	31-Mar-16	13-May-15	12-Apr-16	9d					
CC106050	Mobilization and Pre-drilling for AD Tank Socketed Steel-H Piles (16 Nos.)	129d 13-May-15 48d 13-May-15	15-Oct-15 10-Jul-15	_	15-Oct-15 10-Jul-15	0d 0d	_		M		
	Installation of Pre-bored Socketed Steel-H Piles (64 Nos.)					Od Od		1 1	Mobilization and Pre-drilling for AD Tank Socketed Steel-H Files (16	NOS.)	
				21-May-15					Installation of Pre-bored Socketed Steel-H Piles (64 Nos.)		
CC106120	Proof Drilling	24d 07-Aug-15	03-Sep-15	07-Aug-15		0d			Proof Drilling		
CC106140	Pile Load Test	24d 07-Aug-15	03-Sep-15	07-Aug-15	03-Sep-15	0d		<u> </u>	Pile Load Test		
CC106160	Excavation	37d 01-Sep-15	15-Oct-15	01-Sep-15	15-Oct-15	0d			Excavatioh		
Installation of AD r.c. CC106180	•	71d 16-Oct-15 17d 16-Oct-15	11-Jan-16 05-Nov-15		11-Jan-16	0d 0d			AD Pump Room 1		
	AD Pump Room 1				05-Nov-15						
	AD Tank 1	18d 06-Nov-15	26-Nov-15	06-Nov-15		0d			AD Tank 1		
CC106220	AD Tank 2	18d 27-Nov-15	17-Dec-15	27-Nov-15		0d		ļl	AD Tank 2		
CC106240	AD Tank 3	18d 18-Dec-15	11-Jan-16	18-Dec-15	11-Jan-16	0d			AD Tank 3		
General CC106260	Backfilling to pile cap	63d 12-Jan-16 21d 12-Jan-16	31-Mar-16 04-Feb-16		12-Apr-16 04-Feb-16	9d 0d			David William	pile can	
									Backfilling to		
CC106280	AD Pump Room 1	24d 12-Jan-16	11-Feb-16		13-Feb-16	2d			AD Pump		
	AD plinths	24d 29-Jan-16	29-Feb-16		10-Mar-16	9d			— AE		
CC106320	ABWF for Pump Buildings	18d 19-Feb-16	10-Mar-16	04-Mar-16	24-Mar-16	12d				ABWF for Pump Buildings	
CC106340	Foul Drain Connection	21d 05-Feb-16	03-Mar-16	01-Mar-16	24-Mar-16	18d				Foul Drain Connection	
CC106360	Boundary Wall (Wall Stem)	24d 05-Feb-16	07-Mar-16	05-Feb-16	07-Mar-16	0d			Bot	ndary Wall (Wall Stem)	
CC106380	Bund Wall	24d 01-Mar-16	31-Mar-16	11-Mar-16	12-Apr-16	9d				Bund Wall	
CC106400	Concrete Plinths / Walls / Trenches	12d 23-Feb-16	07-Mar-16	23-Feb-16	07-Mar-16	0d			Col	crete Plinths / Walls / Trenches	
CC106420	ABWF Works	15d 08-Mar-16	24-Mar-16	08-Mar-16	24-Mar-16	0d				ABWF Works	
	Handover to E&M Works (Zone #3.2)	0d	24-Mar-16		24-Mar-16	0d				Handover to E&M Works (Zone:#3.2)	
Ammonia Stripper (Zo		96d 11-Jul-15	03-Nov-15	18-Feb-16		158d				3.0 23	
		96d 11-Jul-15	03-Nov-15	18-Feb-16	19-May-16	158d			_		
CC107050	Pre-drilling for Ammonia Stripper Socketed Steel-H Piles (3 Nos.)	15d 11-Jul-15	28-Jul-15	18-Feb-16	05-Mar-16	181d			Pre	drilling for Ammonia Stripper Socketed Steel-H Piles (3 Nos.)	
Project:OWTF1_v Ref.:WS-OSC-00-		ctivity Float Bar filestone Critical								Page 20 of 27	print: 02-Sep-15 10:50 © Oracle Corporation



**Environmental Protection Department Contract Programme for the Design and** SUEZ A LA ROSROCA Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4)** OSCAR Bioenergy Joint Venture Organic Waste Treatment Facilities Phase 1 Activity Name Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Apr CC111240 43d 16-Mar-16 10-May-16 13-Jul-16 0d 10-May-16 CC111260 Handover of Gate House for E&M Works 31-Aug-16 Handover of Gate House for E&M Works CC111280 Sitewide Drainage 146d 17-Sep-15 15-Mar-16 06-Oct-15 05-Apr-16 Sitewide Drainage CC111300 149d 02-Sep-15 03-Mar-16 28-Dec-15 30-Jun-16 Sitewide Sewage Sitewide Sewage Sitewide Pipe Ducts, Trenches, Drawpits and Utilities CC111320 Sitewide Pipe Ducts, Trenches, Drawpits and Utilities 142d 05-Dec-15 01-Jun-16 CC111340 47d 02-Jun-16 28-Jul-16 02-Jul-16 25-Aug-16 24d Site Roadworks Site Roadworks CC111360 NTH Mitigation works NTH Mitigation works CC111370 Manmade Slope Stability Work 77d 13-Jul-16 13-Oct-16 29-Sep-16 31-Dec-16 Manmade Slope Stability Wo CC111390 Snagging on Zone #4 Work & NTH Mitigation and Manmade Slope Stability Work 48d 14-Oct-16 08-Dec-16 03-Jan-17 02-Mar-17 Snagging on 101d 08-Mar-16 12-Jul-16 31-May-16 28-Sep-16 Boundary Wall CC111120 43d 08-Mar-16 30-Apr-16 31-May-16 21-Jul-16 Excavation CC111140 Footing and Wall 75d 08-Mar-16 10-Jun-16 31-May-16 27-Aug-16 CC111160 Backfilling 26d 11-Jun-16 12-Jul-16 29-Aug-16 28-Sep-16 129d 29-Jul-16 31-Dec-16 07-Sep-16 16-Mar-17 Landscaping Work 77d 29-Jul-16 29-Oct-16 07-Sep-16 08-Dec-16 CC111380 Preparation works Preparation works CC111400 Planting works (incl. Compensatory Tree Planting) 26d 31-Oct-16 29-Nov-16 12-Jan-17 14-Feb-17 Planting works ( 26d 30-Nov-16 31-Dec-16 15-Feb-17 16-Mar-17 CC111420 Landscape Softworks 145d 15-Apr-16 07-Oct-16 20-Sep-16 16-Mar-17 CC111440 Utitlities Diversion 86d 15-Apr-16 28-Jul-16 20-Sep-16 03-Jan-17 130d Utitlities Diversion CC111460 Road Construction 102d 07-Jun-16 07-Oct-16 11-Nov-16 16-Mar-17 130d STATUTORY AND UTILITIES WORKS 117d 03-Mar-16 27-Jul-16 03-Mar-16 27-Jul-16 Electricity Supply and Energization - CLP 117d 03-Mar-16 27-Jul-16 03-Mar-16 27-Jul-16 117d 03-Mar-16 27-Jul-16 03-Mar-16 27-Jul-16 Handover of Electrical Building and Transformer room to BS SW250100 03-Mar-16 0d Handover of Electrical Building and Transformer room to BS SW250120 Building services installation in Transformer room 38d 04-Mar-16 21-Apr-16 04-Mar-16 21-Apr-16 Building services installation in Transformer room 0d 21-Apr-16 21-Apr-16 ♦ Handover Transformer Room to CLP SW250140 Handover Transformer Room to CLF SW250160 CLP to install transformers 90d 22-Apr-16 20-Jul-16 22-Apr-16 20-Jul-16 SW250180 Handover Associated cable duct to CLP 6d 31-Mar-16 07-Apr-16 04-Jun-16 11-Jun-16 Handover Associated cable duct to CLE SW250200 CLP to install HV cable and LV cable 26d 08-Apr-16 09-May-16 13-Jun-16 13-Jul-16 CLP to install HV cable and LV cable Submit WR1 to CLP and CLP inspection 6d 10-May-16 17-May-16 14-Jul-16 20-Jul-16 Submit WR1 to CLP and CLP inspection SW250220 SW250240 CLP install energy meter and energize power 6d 21-Jul-16 27-Jul-16 21-Jul-16 27-Jul-16 CLP install energy meter and energize power LIft Installation - EMSD 17-Aug-16 08-Sep-16 17d 05-Aug-16 29-Aug-16 17d 05-Aug-16 29-Aug-16 17-Aug-16 08-Sep-16 Submit Form LE5 to EMSD 18-Aug-16 10d 05-Aug-16 17-Aug-16 30-Aug-16 Submit Form LE5 to EMSD 0d SW250520 EMSD Inspection 18-Aug-16 30-Aug-16 EMSD Inspection SW250560 Lift Certificate (Use Permit) Obtained 0d 29-Aug-16 08-Sep-16 Lift Certificate (Use Permit) Obtained 47d 01-Aug-16 06-Oct-16 11-Aug-16 19-Oct-16 ire Services - FSD 47d 01-Aug-16 06-Oct-16 11-Aug-16 19-Oct-16 47d 01-Aug-16 06-Oct-16 11-Aug-16 19-Oct-16 SW251020 ◆ DG Inspection 0d 01-Aug-16 11-Aug-16 0d SW251040 DG Re-inspection 15-Aug-16 25-Aug-16 **L** DG Re∙inspection SW251100 Re-submit Form FS314 10d 16-Aug-16 29-Aug-16 26-Aug-16 08-Sep-16 Re-submit Form FS314 Submit Form FS501 SW251140 Submit Form FS501 10d 16-Aug-16 29-Aug-16 26-Aug-16 08-Sep-16 0d SW251160 29-Aug-16 08-Sep-16 FSD Inspection 0d SW251180 ESD Re-inspection 12-Sep-16 23-Sep-16 FSD Re-inspection SW251200 F.S. Approval Certificate FS251 & DG Certificate 17d 13-Sep-16 06-Oct-16 26-Sep-16 19-Oct-16 F.S. Approval Certificate FS251 & DG Certificate 30-Aug-16 27-Jun-16 14-Sep-16 62d 01-Jun-16 62d 01-Jun-16 30-Aug-16 27-Jun-16 14-Sep-16 62d 01-Jun-16 30-Aug-16 27-Jun-16 14-Sep-16 Submit Form WW046 Part IV - Request for Inspection (FS Water Supply) SW252000 01-Jun-16 27-Jun-16 Submit Form WW046 Part IV - Request for Inspection (FS Water Supply) SW252020 WSD inspection and reinspection (FS Water Supply) WSD inspection and reinspection (FS Water Supply) SW252040 Form WW046 Part V (FS Water Supply) 21d 05-Jul-16 02-Aug-16 28-Jul-16 25-Aug-16 17d Form WW046 Part V (FS Water Supply) SW252100 Submit Form WW046 Part IV - Request for Inspection (Fresh Water Supply) 0d 30-Jun-16 18-Jul-16 Submit Form WW046 Part IV - Request for Inspection (Fresh Water Sup SW252120 WSD inspection and reinspection (Fresh Water Supply) WSD inspection and reinspection (Fresh Water Supply) SW252140 Form WW046 Part V (Fresh Water Supply) Form WW046 Part V (Fresh Water Supply) Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 22 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation ◆ Milestone Critical



Environmenta of the HKSAR	l Protection Department		ontract				aaa 1						SU	<b>e</b> z	AT	TAL.	₹ Ro	sRoca		Con	tract F	Progra C					and (v1.4)
Activity ID	Activity Name	Organic V	Early Finish	Late Start	Late Finish		ase 1					2015	USC	AK BI	oener	gy Join	t ventu	re		2016						2017	
		Duration	Lany i mion			Float	Nov Dec	c Jan	Feb M	lar Apr	r May		Aug	Sep	Oct N	ov Dec	Jan Fe	Mar A	r May .								Mar Ap
EM110400	Installation of Intermediate Digestate Tank	12d 24-Aug-16	06-Sep-16	30-Aug-16	12-Sep-16	5d															-	Installa	ation of Inte	rmediate D	Digestate	Tank	
EM110420	Cable Tray Laying Work	92d 06-Apr-16	26-Jul-16	13-Apr-16	02-Aug-16	6d												-			Cable	Tray Laying	Work				
EM110440	Cabling Works	95d 16-May-16	05-Sep-16	23-May-16	12-Sep-16	6d														-		- Cabling	g Works				
EM110450	Completion of E&M Installation of Anaerobic Digestion Treatment System	0d	12-Sep-16		12-Sep-16	0d																◆ Comple	etion of E&	M Installati	ion of Ana	ıerobic D	Digestion T
Installation of Switch	board	39d 29-Mar-16	16-May-16	28-Jul-16	10-Sep-16	99d																					
EM110500	Installation of Swithboard at Swichboard room no 2	39d 29-Mar-16 39d 29-Mar-16	16-May-16 16-May-16	28-Jul-16 28-Jul-16	10-Sep-16 10-Sep-16	99d 99d												_				Installat	tion of Swit	hhoard at	Swichhor	ard room	nn 2
	nd Power Generation System	126d 04-Jul-16	30-Nov-16	04-Jul-16	30-Nov-16	0d																i i i i			5		
rical recovery ar	a rower dendration dystem	126d 04-Jul-16	30-Nov-16	04-Jul-16	30-Nov-16	0d																					
EM120100	Installation of Combine Heat Power System no 1	126d 04-Jul-16 39d 04-Jul-16	30-Nov-16 17-Aug-16	04-Jul-16 04-Jul-16	30-Nov-16 17-Aug-16	0d															-	atallatish of	Cambinal	last David	C	1	
						7.1															ın	stallation of		1 1	1		
EM120150	Installation of Combine Heat Power System no 2	40d 18-Aug-16	05-Oct-16	26-Aug-16	14-Oct-16	/d															_	_	<u> </u>	1 1			System no :
EM120200	Installation of Combine Heat Power System no 3	40d 06-Oct-16	22-Nov-16	15-Oct-16	30-Nov-16	7d															_	_		1 1			leat Power
EM120250	Installation of Heat Recovery system / H2S Polishing	26d 18-Aug-16	17-Sep-16	18-Aug-16	17-Sep-16	0d															_	Instal	lation of He	at Recove	ery syster	n / H2S F	Polishing
EM120300	Installation of Electric Boiler	39d 29-Aug-16	15-Oct-16	29-Aug-16	15-Oct-16	0d															1		Installati	on of Electi	ric Boiler		
EM120350	Installation of Continuous Emissions Monitoring System (CEMS)	26d 01-Nov-16	30-Nov-16	01-Nov-16	30-Nov-16	0d																		Installa	ition of Cr	ontinuous	s Emission
EM120400	Cable Tray Laying Works	26d 01-Nov-16	30-Nov-16	01-Nov-16	30-Nov-16	0d																		Cable	Tray Layin	ng Works	s
EM120450	Cabling Works	39d 17-Oct-16	30-Nov-16	17-Oct-16	30-Nov-16	0d								-									<del>-</del>	Cabling	g Works		
EM120500	Completion of E&M Installation of Heat Recovery and Power Generation System	Od	30-Nov-16		30-Nov-16	0d								-										1 [		&M Insta	allation of H
Biogas Cleaning	and Storage System	108d 02-Jul-16	08-Nov-16	23-Jul-16	29-Nov-16	18d																					
		108d 02-Jul-16	08-Nov-16	23-Jul-16	29-Nov-16	18d																					
EM130100	Installation of Bio Gas Cleaning System no.1	108d 02-Jul-16 26d 02-Jul-16	08-Nov-16 01-Aug-16	23-Jul-16 23-Jul-16	29-Nov-16 22-Aug-16	18d 18d																Installation o	of Rid Cas I	leaning ©	Svetom de		
EM130150						18d																		1 1			
	Installation of Bio Gas Cleaning System no.2	26d 02-Aug-16	31-Aug-16	23-Aug-16	22-Sep-16																	Insta					
EM130200	Installation of Bio Gas Cleaning Storage Tank	26d 01-Sep-16	03-Oct-16	14-Oct-16	12-Nov-16	34d																		stallation (	of Bio Gas	3 Cleanin	ng Storage
EM130300	Installation of Desulphirsation	12d 01-Sep-16	14-Sep-16	11-Oct-16	24-Oct-16	31d																	- Install	ation of De	sulphirsa	tion	
EM130350	Associated Bio gas Conveying Duct Works	31d 15-Sep-16	24-Oct-16	25-Oct-16	29-Nov-16	31d																	<del>-</del>	- Associ	ated Bio ç	jas Conv	veying Duc
EM130400	Cable Tray Laying Works	39d 01-Sep-16	19-Oct-16	23-Sep-16	09-Nov-16	18d																	c:	able Tray L	aying Wc	orks	
EM130450	Cabling Works	17d 20-Oct-16	08-Nov-16	10-Nov-16	29-Nov-16	18d																	<u></u>	<ul><li>Cabling</li></ul>	Works		
EM130500	Completion of E&M Installation of Biogas Cleaning and Storage System	Od	08-Nov-16		29-Nov-16	18d																	•	Comple	etion of E	&M Insta	allation of B
Biogas Distributio	n System	74d 02-Jul-16	27-Sep-16	28-Jul-16	29-Nov-16	52d																					
	·	74d 02-Jul-16	27-Sep-16	28-Jul-16	29-Nov-16	52d																					
EM130250	Installation of Standby Flaring Gas Unit	74d 02-Jul-16 18d 02-Jul-16	27-Sep-16 22-Jul-16	28-Jul-16 28-Jul-16	29-Nov-16 17-Aug-16	52d 22d															in	stallation of	Standby F	aring Gas	Unit		
EM130260	Installation of Biogas Blowers	18d 02-Jul-16	22-Jul-16		22-Sep-16	52d															i		; ;				
EM130270	Installation of Biogas Cooling and Condensate Removal System	18d 02-Jul-16				52d															-	: :		17 1	: :		
																						Insta		1 1	: :		ate Remov
EM130280	Cable Tray Laying Works	39d 23-Jul-16	06-Sep-16		09-Nov-16	52d																	T C	able Tray L		rks	
EM130290	Cabling Works	17d 07-Sep-16	27-Sep-16	10-Nov-16	29-Nov-16	52d																		<ul> <li>Cabling</li> </ul>	Works		
EM130295	Completion of E&M Installation of Biogas Disgtribution System	0d	27-Sep-16		29-Nov-16	52d																•		<ul><li>Comple</li></ul>	etion of E	M Instalد	allation of B
Wastewater Treat	ment System	94d 26-Feb-16	22-Jun-16	26-Apr-16	17-Aug-16	47d																					
		94d 26-Feb-16 94d 26-Feb-16	22-Jun-16 22-Jun-16	26-Apr-16 26-Apr-16	17-Aug-16 17-Aug-16	47d 47d																					
EM140100	Installation of Pumping System and associated pipework	40d 26-Feb-16	16-Apr-16	26-Apr-16	14-Jun-16	47d														■ Installat	tion of Pum	ping System	and assoc	iated pipe	work		
EM140150	Installation of Aeration Pipework	24d 18-Apr-16	17-May-16	15-Jun-16	13-Jul-16	47d													<del>-</del> +	<del>-</del>	Installation	of Aeration I	Pipework				
EM140200	Installation of Odour Containment System	26d 18-May-16	17-Jun-16	14-Jul-16	12-Aug-16	47d														<b></b>	Ins	tallation of C	dour Cont	alnment Sy	ystem		
EM140250	Installation of Odour Extraction Ductwork	21d 28-May-16	22-Jun-16	25-Jul-16	17-Aug-16	47d													<u> </u>	<u> </u>	in	stallation of	Odour Ext	raction Du	ctwork		
EM140300	Installation of Ammonia Stripping Plant	51d 14-Apr-16	15-Jun-16		20-Jul-16	29d																in of Ammon		1 1			
EM140350	Cable Tray Laying Works	21d 18-Apr-16	12-May-16	23-Jun-16	18-Jul-16	54d																y Laying Wo	- 1				
EM140400	Cabling Works	26d 13-May-16	14-Jun-16	19-Jul-16	17-Aug-16	54d											ļ					abling Work		J	<u></u>		
EM140450	Completion of E&M Installation of Wastewater Treatment System	0d	22-Jun-16		17-Aug-16	47d														+	<del></del>	ompletion of	E&M Insta	allation of V	√astewat	er Treatn	nent Syste
Composting Syst	em I Composting 1 to 6	144d 24-May-16 126d 24-May-16	12-Nov-16 22-Oct-16		19-Nov-16 29-Oct-16	6d 6d																					
mistaliation of runing	Composing 1 to 0	126d 24-May-16	22-Oct-16	31-May-16	29-Oct-16	6d																					
EM160100	Installation Air Extraction Ductwork	75d 24-May-16	20-Aug-16	31-May-16	27-Aug-16	6d																Installation	Air Extract	ion Ductwo	ork		
EM160150	Installation of Water Spraying System	51d 22-Aug-16	22-Oct-16	29-Aug-16	29-Oct-16	6d															_		Insta	llation of W	/ater Spr	aying Sys	tem
Installation of Leach	ate Treatment System	18d 24-Oct-16	12-Nov-16	31-Oct-16	19-Nov-16	6d																					
EM160200	Installation of Leachate Treatment System	18d 24-Oct-16 18d 24-Oct-16	12-Nov-16 12-Nov-16	31-Oct-16 31-Oct-16	19-Nov-16 19-Nov-16	6d 6d																	<del></del>	Installation	n of Leac	hate Tre	atment Sys
Installation of Matur	<u> </u>	108d 24-May-16			19-Nov-16	42d																			_5001		
						.20	<u> </u>	-	- i	<u> </u>		<u> </u>		<u>i</u> _	<u>:</u>		<u> </u>	<del>-  </del>	_ <del></del>			<u> </u>	<u> </u>	<u></u>	<del></del>	<u> </u>	
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**Environmental Protection Department Contract Programme for the Design and** SUEZ A LA ROSROCA Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4)** OSCAR Bioenergy Joint Venture Organic Waste Treatment Facilities Phase 1 Activity ID Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr Installation Air Extraction System EM160250 Installation Air Extraction System 18d 22-Aug-16 10-Sep-16 13-Oct-16 02-Nov-16 9d 12-Sep-16 22-Sep-16 03-Nov-16 12-Nov-16 EM160300 Installation of Sieve / Belt Conveyor Installation of Sieve / Belt Conveyor Installation of Bagging Facilities EM160350 Installation of Bagging Facilities 6d 23-Sep-16 29-Sep-16 14-Nov-16 19-Nov-16 42d EM160400 2d 24-May-16 25-May-16 25-Oct-16 26-Oct-16 127d Installation of Mobile Mixer EM160450 Cable Tray Laying Works 9d 26-May-16 04-Jun-16 27-Oct-16 05-Nov-16 127d Cable Tray Laying Works EM160500 Cabling Works Cabling Works 44d 24-May-16 15-Jul-16 19-Jul-16 07-Sep-16 Installation of Structurant Storage Area 44d 24-May-16 15-Jul-16 19-Jul-16 07-Sep-16 Installation Air Extraction System 19-Jul-16 Installation Air Extraction System Installation of Structurant Storage System 12d 24-May-16 06-Jun-16 04-Aug-16 17-Aug-16 60d EM160600 Installation of Structurant Storage Syste EM160650 Cable Tray Laying Works 12d 24-Jun-16 08-Jul-16 18-Aug-16 31-Aug-16 Cable Tray Laying Works EM160700 Cabling Works 12d 02-Jul-16 15-Jul-16 25-Aug-16 07-Sep-16 Cabling Works 60d 16-Jul-16 24-Sep-16 08-Sep-16 19-Nov-16 Installation of Digestate Dewatering System 60d 16-Jul-16 24-Sep-16 08-Sep-16 19-Nov-16 EM160750 Installation of Centrifuges 9d 16-Jul-16 26-Jul-16 08-Sep-16 19-Sep-16 Installation of Centrifuges EM160800 Instllation of Sludge Pumping system 9d 27-Jul-16 05-Aug-16 24-Oct-16 02-Nov-16 Instillation of Sludge Pumping system EM160850 Installation of Screw Conveyors System 9d 06-Aug-16 16-Aug-16 03-Nov-16 12-Nov-16 Installation of Screw Conveyors System EM160900 Installation of Dewatering Storage Tank 4d 17-Aug-16 20-Aug-16 14-Nov-16 17-Nov-16 Installation of Dewatering Storage Tank Installtion of Strirer Installtion of Striner EM160950 2d 22-Aug-16 23-Aug-16 18-Nov-16 19-Nov-16 73d EM161000 Cable Tray Laying Work 43d 22-Jul-16 09-Sep-16 14-Sep-16 05-Nov-16 Cable Tray Laying Work EM161050 Cabling Works 43d 05-Aug-16 24-Sep-16 29-Sep-16 19-Nov-16 Cabling Works 144d 24-May-16 12-Nov-16 15-Aug-16 19-Nov-16 144d 24-May-16 12-Nov-16 15-Aug-16 19-Nov-16 EM161100 Completion of E&M Installation of Composting System Completion of E&M Installation of Comp 39d 24-May-16 09-Jul-16 15-Aug-16 29-Sep-16 EM161150 Installaton Electrical Switchboard Room no 4 nstallaton Electrical Switchboard Room no 4 25-Aug-16 Centralized Air Pollution Control System 108d 18-Apr-16 25-Aug-16 06-Jun-16 10-Nov-16 108d 18-Apr-16 25-Aug-16 06-Jun-16 10-Nov-16 Installation of Chemical Scrubber EM150100 Installation of Dosing Pumps, associated pipeworks and Stack Unit EM150150 Installation of Dosing Pumps, associated pipeworks and Stack Unit 26d 28-Apr-16 30-May-16 17-Jun-16 18-Jul-16 Installation of Activated Carbon Filter EM150200 Installation of Activated Carbon Filter 26d 31-May-16 30-Jun-16 12-Oct-16 10-Nov-16 EM150250 Installation of Odour Extraction Duct Work 77d 26-May-16 25-Aug-16 21-Jul-16 21-Oct-16 Installation of Odour Extraction Duct Work EM150300 Installation of Chemical Storage Tanks 19-Jul-16 Installation of Chemical Storage Tanks Cable Tray Laying Works EM150350 Cable Tray Laving Works 34d 20-May-16 29-Jun-16 30-Aug-16 11-Oct-16 EM150400 26d 30-Jun-16 30-Jul-16 12-Oct-16 10-Nov-16 Cabling Works Completion of E&M Installation of Centralized Air Pollution Control System EM150450 0d 25-Aug-16 10-Nov-16 63d Completion of E&M Installation of Centralia EM150500 Installation of Swithboard at CAPCS Swichboard room 42d 07-Jun-16 27-Jul-16 07-Jun-16 27-Jul-16 Installation of Swithboard at CAPCS Swichboard room 151d 04-Feb-16 10-Aug-16 Administration Offices & Visitor Areas 151d 04-Feb-16 10-Aug-16 13-May-16 25-Aug-16 151d 04-Feb-16 10-Aug-16 13-May-16 25-Aug-16 Building Service Installation of Adminstration Offices 13-May-16 27-Jun-16 37d 18-Apr-16 01-Jun-16 Building Service Installation of Administration Offices FM17012B Lift Installation of Adminstration Offices 60d 25-May-16 04-Aug-16 06-Jun-16 16-Aug-16 Lift Installation of Adminstration Offices EM170150 11-Jul-16 25-Aug-16 Visitor and Educational Centre EM17020B Completion of F&M Installation of Administration Offices & Visitor Areas 0d 10-Aug-16 25-Aug-16 Completion of E&M Installation of Administration Offices & Visito EM170250 Installation of Electrical Switchboard Room no 3 41d 04-Feb-16 29-Mar-16 08-Jun-16 27-Jul-16 Installation of Electrical Switchboard Room no 3 234d 15-Dec-15 29-Sep-16 31-Dec-15 20-Oct-16 234d 15-Dec-15 29-Sep-16 31-Dec-15 20-Oct-16 234d 15-Dec-15 29-Sep-16 31-Dec-15 20-Oct-16 EM190150 Insturmentation, Control & Monitoring System (SCADA/PLC) 103d 18-Apr-16 19-Aug-16 16-May-16 14-Sep-16 Insturmentation, Control & Monitoring System (SCADA/P) EM19020B Building Services and Management System 125d 18-Apr-16 14-Sep-16 18-Apr-16 14-Sep-16 Building Services and Management System EM19021B Switchboard and MCC Installation 100d 18-Apr-16 16-Aug-16 18-Apr-16 16-Aug-16 Switchboard and MCC Installation EM19022B Cables and Accessories, Cable Containment System Installation 115d 18-Apr-16 02-Sep-16 29-Apr-16 14-Sep-16 Cables and Accessories, Cable Containment System Inst Earthing and Lightning System Installation EM19023B Earthing and Lightning System Installation 210d 15-Dec-15 31-Aug-16 31-Dec-15 14-Sep-16 Emergency Genset Installation EM19024B Emergency Genset Installation Equipment at Gate House 12d 11-May-16 25-May-16 01-Sep-16 14-Sep-16 EM19025B Equipment at Gate House ELV System Installation EM19030B ELV System Installation 60d 22-Jun-16 31-Aug-16 07-Jul-16 Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 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**Environmental Protection Department Contract Programme for the Design and** SUEZ A LA ROSROCA Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4)** OSCAR Bioenergy Joint Venture Organic Waste Treatment Facilities Phase 1 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr EM19050E Platform & Handrails (FRP) Permanent Mobile Plants EM200100 Permanent Moblie Plants 45d 08-Aug-16 29-Sep-16 26-Aug-16 20-Oct-16 1d 28-Jul-16 28-Jul-16 28-Jul-16 Energisation of Switchboards 28-Jul-16 30-Sep-16 28-Jul-16 28-Jul-16 30-Sep-16 Energisation of Switchboard (Main LV Switchroom) EN100100 Energisation of Switchboard (Main LV Switchroom) 1d 28-Jul-16 28-Jul-16 28-Jul-16 28-Jul-16 EN100150 Energisation of Switchboard (For Anaerobic Digestion System and Dewatering System) 28-Jul-16 12-Sep-16 12-Sep-16 Energisation of Switchboard (For Anaerobic Digestion Sys Energisation of Switchboard (For Adminstration Building) 1d 28-Jul-16 28-Jul-16 28-Jul-16 28-Jul-16 EN100200 | Energisation of Switchboard (For Adminstration Building) Energisation of Switchboard (For Composting System) EN100250 30-Sep-16 30-Sep-16 Energisation of Switchboard (For Composting Syste Energisation of Switchboard (For Pre-Traetment System) EN100300 1d 28-Jul-16 28-Jul-16 28-Jul-16 28-Jul-16 | Energisation of Switchboard (For Pre-Traetment System) EN100350 Energisation of Switchboard (For Centralized Air Pollution System) 1d 28-Jul-16 28-Jul-16 28-Jul-16 28-Jul-16 Energisation of Switchboard (For Centralized Air Pollution System) TESTING AND CO 07-Jan-17 Site Testing (including hydraulic testing & pipe pressure testing) 134d 29-Jul-16 134d 29-Jul-16 07-Jan-17 18-Aug-16 14-Jan-17 134d 29-Jul-16 07-Jan-17 18-Aug-16 14-Jan-17 Site Testing of Pretreatment System TC100100 Site Testing of Pretreatment System 27d 15-Sep-16 19-Oct-16 15-Sep-16 19-Oct-16 TC100150 Site Testing of Anaerobic Digestion Treatment System 30d 13-Sep-16 20-Oct-16 13-Sep-16 20-Oct-16 \$ite Testing of Anaerobic Digestion Treatment S 30d 01-Dec-16 07-Jan-17 TC100200 Site Testing of Heat Recovery and Power Generation System 01-Dec-16 07-Jan-17 Site Testing of Heat Reco TC100250 Site Testing of Biogas Cleaning and Storage System 30d 09-Nov-16 13-Dec-16 30-Nov-16 06-Jan-17 Site Testing of Bioga's Clear Site Testing of WWTS TC100300 51d 29-Jul-16 27-Sep-16 18-Aug-16 19-Oct-16 Site Testing of WWTS TC100350 Site Testing of CAPCS 51d 26-Aug-16 27-Oct-16 11-Nov-16 12-Jan-17 Site Testing of CAPCS Site Testing of Compostin Site Testing of Composting System 43d 14-Nov-16 05-Jan-17 21-Nov-16 12-Jan-17 TC100400 Site Testing of Weighbrid TC100450 Site Testing of Weighbridge System & Vehicle Wash System 39d 29-Jul-16 12-Sep-16 28-Nov-16 14-Jan-17 101d ssioning (24 hours) 92d 20-Oct-16 19-Jan-17 20-Oct-16 19-Jan-17 92d 20-Oct-16 19-Jan-17 20-Oct-16 19-Jan-17 Pre-Treatment Building & Facilities 20-Oct-16 20-Oct-16 Pre-Treatment Building & Facilities TC110300 Biogas Cleaning and Storage System 1d 14-Dec-16 14-Dec-16 07-Jan-17 07-Jan-17 Biogas Cleaning and Stora Wastewater Treatment Sy 11-Jan-17 11-Jan-17 Centralized Air Pollution C TC110550 Centralized Air Pollution Control System 1d 12-.lan-17 12-.lan-17 12-.lan-17 12-.lan-17 Vehicle Washing System 18-Jan-17 18-Jan-17 Vehicle Washing System Master Control System Master Control System - SCADA/PLC System TC110900 1d 19-Jan-17 19-Jan-17 19-Jan-17 19-Jan-17 3d 21-Oct-16 23-Oct-16 21-Oct-16 06-Jan-17 Anaerobic Digestion Treatment System 3d 21-Oct-16 23-Oct-16 21-Oct-16 06-Jan-17 TC110150 Anaerobic Digester no 1 1d 21-Oct-16 21-Oct-16 21-Oct-16 Anaerobic Digester no 1 TC110200 1d 22-Oct-16 22-Oct-16 05-Jan-17 05-Jan-17 Anaerobic Digester no 2 TC110250 Anaerobic Digester no 3 1d 23-Oct-16 23-Oct-16 06-Jan-17 06-Jan-17 Anaerobic Digester no 3 Heat Recovery and Power Generation System 3d 08-Jan-17 10-Jan-17 08-Jan-17 10-Jan-17 3d 08-Jan-17 10-Jan-17 08-Jan-17 10-Jan-17 TC110350 Combine Heat Power System no 1 Combine Heat Power Syst 1d 08-Jan-17 08-Jan-17 08-Jan-17 08-Jan-17 TC:110400 Combine Heat Power System no 2 1d 09-Jan-17 09-Jan-17 09-Jan-17 Combine Heat Power Syst TC110450 Combine Heat Power System no 3 1d 10-Jan-17 10-Jan-17 10-Jan-17 10-Jan-17 Combine Heat Power Syst 3d 13- Jan-17 15- Jan-17 13- Jan-17 15- Jan-17 3d 13-Jan-17 15-Jan-17 13-Jan-17 15-Jan-17 TC110600 Tunnel Composting nos 1 - 3 Tunnel Composting nos 1 13-Jan-17 13-Jan-17 1d 13-Jan-17 TC110650 Tunnel Composting nos 4 - 6 1d 14-Jan-17 14-Jan-17 14-Jan-17 14-Jan-17 Tunnel Composting nos TC110700 Maturation Area Facilities 1d 15-Jan-17 15-Jan-17 15-Jan-17 15-Jan-17 Maturation Area Facilities 2d 16-Jan-17 17-Jan-17 16-Jan-17 17-Jan-17 Weighbridge System 2d 16-Jan-17 17-Jan-17 16-Jan-17 17-Jan-17 Weighbridge System No 1d 17-Jan-17 17-Jan-17 17-Jan-17 Weighbridge System N TC110800 Weighbridge System No 2 22-Oct-16 16-Mar-17 16-Mar-17 Process Startup, Process Commissioning & Plant Commissioning 90d 22-Oct-16 19-Jan-17 22-Oct-16 19-Jan-17 Process Start up PS900100 N2 Purging of Anaerobic Digester No 1 7d 22-Oct-16 28-Oct-16 22-Oct-16 28-Oct-16 N2 Purging of Anaerobic Digester No 1 14d 29-Oct-16 11-Nov-16 29-Oct-16 11-Nov-16 Inquilate Anaerobic Digester No.1 (Seedi PS900150 Inoculate Anaerobic Digester No.1 (Seeding) PS900200 N2 Purging of Anaerobic Digester No 2 7d 12-Nov-16 18-Nov-16 28-Nov-16 04-Dec-16 N2 Purging of Anaerobic Digester N PS900250 N2 Purging of Anaerobic Digester No 3 7d 19-Nov-16 25-Nov-16 05-Dec-16 11-Dec-16 N2 Purging of Anaerobic Digester 30d 12-Nov-16 11-Dec-16 12-Nov-16 11-Dec-16 Start up test with Anaerobic Diges PS900300 Start up test with Anaerobic Digester No 1 Project:OWTF1\_v1.4Final Activity Float Bar print: 02-Sep-15 10:50 Page 26 of 27 Ref.:WS-OSC-00-0-TM-0001-D, Date: 02-Sep-2015 © Oracle Corporation ◆ Milestone Critical

**Environmental Protection Department** SUEZ ATAL X RosRoca **Contract Programme for the Design and** Contract No. EP/SP/61/10 of the HKSAR **Construction Works (v1.4)** OSCAR Bioenergy Joint Venture Organic Waste Treatment Facilities Phase 1 Total
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Storm Reduction from (special) PS900350 Biogas Production from Anaerobic Digester No 1 Biogas Production from Anaero Start-Up of Gas System (Ir 7d 19-Dec-16 25-Dec-16 03-Jan-17 09-Jan-17 PS900400 Start-Up of Gas System (Including Desulphurisation System) Dewatering Test and Start-L PS900450 Dewatering Test and Start-Up of Dewatering System 15d 19-Dec-16 02-Jan-17 22-Dec-16 05-Jan-17 Start-Up of Composting PS900500 14d 03-Jan-17 16-Jan-17 06-Jan-17 19-Jan-17 Start-Up of Composting System PS900550 Transfering 50% Digester from Anaerobic Digester No.1 to No.2 1d 19-Dec-16 19-Dec-16 19-Dec-16 Transfering 50% Digester from PS900600 Start up test with Anaerobic Digester No 2 30d 20-Dec-16 18-Jan-17 20-Dec-16 18-Jan-17 Start up test with Anaer PS900650 Biogas Production from Anaerobic Digester No 2 7d 12-Jan-17 18-Jan-17 12-Jan-17 18-Jan-17 Biogas Production from Transfering 50% Digest PS900700 Transfering 50% Digester from Anaerobic Digester No.2 to No.3 1d 19-Jan-17 19-Jan-17 19-Jan-17 PS900750 Start up test with Anaerobic Digester No 3 30d 21-Dec-16 19-Jan-17 21-Dec-16 19-Jan-17 Start up test with Anaer Biogas Production from Anaerobic Digester No 3 7d 13-Jan-17 19-Jan-17 13-Jan-17 19-Jan-17 Biogas Production from PS900800 39d 20-Jan-17 27-Feb-17 20-Jan-17 27-Feb-17 39d 20-Jan-17 27-Feb-17 20-Jan-17 27-Feb-17 Process Commis 26d 20-Jan-17 14-Feb-17 20-Jan-17 14-Feb-17 PS900850 Process Commissioning with Anaerobic Digester No 1&3 (Assume 2 nos. Anaerobic digesters) Process Com PS900880 Process Commissioning with Anaerobic Digester No 2&3 (Assume another 2 nos. Anaerobic digesters) 26d 02-Feb-17 27-Feb-17 02-Feb-17 27-Feb-17 30d 15-Feb-17 16-Mar-17 15-Feb-17 16-Mar-17 Plant Commissioning 30d 15-Feb-17 16-Mar-17 15-Feb-17 16-Mar-17 PS900900 30d 15-Feb-17 16-Mar-17 15-Feb-17 16-Mar-17 1d 16-Mar-17 17-Mar-17 16-Mar-17 17-Mar-17 1d 16-Mar-17 17-Mar-17 16-Mar-17 17-Mar-17

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Completion of the Design and the Works including Testing and Commissioning

Commencement of the Operation

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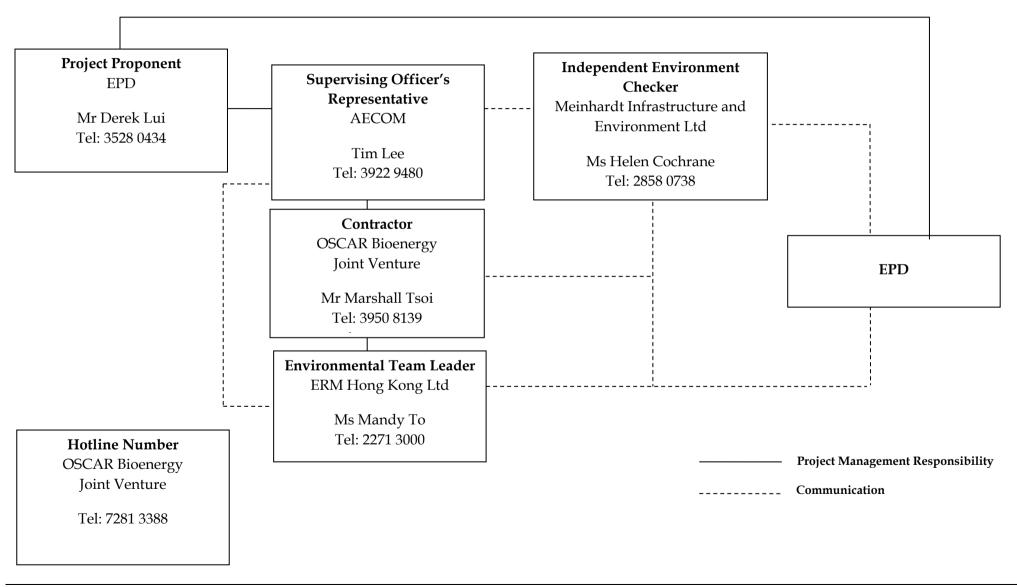
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#### Annex D

# Project Organization Chart with Contact Details

#### Project Organization During Construction Phase (with contact details)



#### Annex E

## Implementation Schedule of Mitigation Measures

### Annex E Summary of Mitigation Measures Implementation Schedule

EIA Ref. EM	Environmental Protection Measures	Location/ Timing	Status
Log			
Summary of Envir	ental Mitigation Measures in the EIA and EM&A Manual		
A. Air Qual			
0 7	Air Pollution Control (Construction Dust) Regulation & Good Site Practices  Use of regular watering, with complete coverage, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather.  Use of frequent watering for particularly dusty construction areas and areas close to ASRs.  Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering should be applied to aggregate fines.  Open stockpiles should be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.  Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.  Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.  Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading points, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods.  Imposition of speed controls for vehicles on unpaved site roads. 8 kilometers per hour is the recommended limit.  Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs.  Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides.  Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed.  Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system.	Construction Site / During Construction Period	

#### B. Hazard to Life

4.102	3.3	Construction Phase	Construction Site / During	V
7.102	3.5	• The number of workers on site during construction stage should be kept at the same level as	Construction Period	,
		the assessment.	Construction 1 chou	
		Construction works should be suspended when delivery of chlorine takes place.		
		3m high fence should be constructed along the boundary facing the SHWWTW.		
		Emergency evacuation procedures should be formulated and the Contractor should ensure		
		all workers on site should be familiar with these procedures as well as the route to escape in		
		case of gas release incident. Relevant Departments, such as Fire Services Department (FSD),		
		should be consulted during the development of Emergency procedures. Diagram showing the		
		escape routes to a safe place should be posted in the site notice boards and at the entrance/exit		
		of site. A copy of the latest version emergency procedures should be dispatched to Tung		
		Chung Fire Station for reference once available.		
		The emergency procedures should specify means of providing a rapid and direct warning		
		(e.g. Siren and Flashing Light) to construction workers in the event of chlorine gas release in the SHWWTW.		
		The Contractor should establish a communication channel with the SHWWTW operation		
		personnel and FSD during construction stage. In case of any hazardous incidents in the		
		treatment works, operation personnel of SHWWTW should advise the Contractor to inform		
		construction workers to proceed with emergency procedure. The Contractor should appoint a		
		Liaison Officer to communicate with FSD Incident Commander on site in case of emergency.		
		• Introduction training should be provided to any staff before carryout construction works at		
		the Project site.		
		• Periodic drills should be coordinated and conducted to ensure all construction personnel are		
		familiar with the emergency procedures. Upon completion of the drills, a review on every step		
		taken should be conducted to identify area of improvement. Prior notice of periodic drills		
		should be given to Station Commander of Tung Chung Fire Station. Joint operational exercise		
		with FSD and SHWWTW is recommended.		
	11			
	Vater Quality	Construction site run-off and general construction activities:	Construction City / Duning	
5.44	4.5	The mitigation measures as outlined in the ProPECC PN 1/94 Construction Site Drainage	Construction Site / During Construction Period	<>
		should be adopted where applicable.	Construction remod	
		Should be adopted where applicable.		
5.45	4.5	Excavation of Soil Materials	Construction Site / During	√
		The construction programme should be properly planned to minimise soil excavation, if any,	Construction Period	
		in rainy seasons. This prevents soil erosion from exposed soil surfaces. Any exposed soil		
		surfaces should also be properly protected to minimise dust emission. In areas where a large		
		amount of exposed soils exist, earth bunds or sand bags should be provided. Exposed		
		stockpiles should be covered with tarpaulin or impervious sheets at all times. The stockpiles of		

		materials should be placed at locations away from any stream courses so as to avoid releasing materials into the water bodies. Final surfaces of earthworks should be compacted and protected by permanent work.		
5.46	4.5	Accidental spillage of chemicals:  Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	Construction Site / During Construction Period	√ ·
5.47	4.5	Maintenance of vehicles and equipments involving activities with potential for leakage and spillage should only be undertaken within the areas which appropriately equipped to control these discharges.	Construction Site / During Construction Period	<b>√</b>
5.48	4.5	Oils and fuels should only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas should be sited on sealed areas in order to prevent spillage of fuels and solvents to the nearby watercourses. All waste oils and fuels should be collected in designated tanks prior to disposal.	Construction Site / During Construction Period	<>
5.49	4.5	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows:  • Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport.  • Chemical waste containers should be suitably labeled, to notify and warn the personnel who are handling the wastes, to avoid accidents.  • Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.	Construction Site / During Construction Period	<>
5.50		Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid entering to the nearby watercourses. Stockpiles of cement and other construction materials should be kept covered when not being used. Rubbish and litter from construction sites should also be collected to prevent spreading of rubbish and litter from the site area. It is recommended to clean the construction sites on a regular basis.	Construction Site / During Construction Period	<b>V</b>
5.51	4.5	Sewage Effluent  The presence of construction workers generates sewage. It is recommended to provide	Work site/During the construction period	√

		sufficient chemical toilets in the works areas. The toilet facilities should be more than 30m from any watercourse. A licensed waste collector should be deployed to clean the chemical toilets on a regular basis.		
5.52	4.5	Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the project. Regular environmental audit on the construction site can provide an effective control of any malpractices and can achieve continual improvement of environmental performance on site.	Work Site / Du Construction Period	ring V
5.53	4.5	Nullah Decking To minimize the potential water quality impacts from the nullah reconstruction works, the practices outlined below should be adopted where applicable:  The proposed works should be carried out within the dry season between October and March when the flow in the open nullah is low.  The use of less or smaller construction plants may be specified to reduce the disturbance to the nullah bed.  Temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from the nullah and any water courses during carrying out of the construction works.  Stockpiling of construction materials and dusty materials should be covered and located away from the nullah any water courses.  Construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nullah and nearby water receivers.  Construction activities, which generate large amount of wastewater, should be carried out in a distance away from the nullah, where practicable.  Construction effluent, site run-off and sewage should be properly collected and/or treated.  Any works site inside the nullah should be temporarily isolated, such as by placing of sandbags or silt curtains with lead edge at bottom and properly supported props to prevent adverse impact on the water quality.  Proper shoring may need to be erected in order to prevent soil/mud from slipping into the nullah and nearby watercourse.	Work Site / Du Construction Period	ring N/A

6.41	Waste Manage	Good Site Practices	Work Site / During	√
0.41	5.4	Recommendations for good site practices during the construction phase would include:  Obtain relevant waste disposal permits from appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354) and subsidiary Regulations and the Land (Miscellaneous Provisions) Ordinance (Cap. 28);  Provide staff training for proper waste management and chemical handling procedures;  Provide sufficient waste disposal points and regular waste collection;  Provide appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;  Carry out regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;  Separate chemical wastes for special handling and disposed of to licensed facility for treatment; and  Employ licensed waste collector to collect waste.	Construction Period	V
6.42	5.5	Waste Reduction Measures  Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include:  • Design foundation works that could minimise the amount of excavated material to be generated;  • Provide training to workers on the importance of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling;  • Sort out demolition debris and excavated materials from demolition works to recover reusable/ recyclable portions (i.e. soil, broken concrete, metal etc.);  • Segregate and store different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;  • Encourage the collection of aluminium cans by providing separate labelled bins to enable this waste to be segregated from other general refuse generated by the workforce; and  • Plan and stock construction materials carefully to minimize the amount of waste to be generated and to avoid unnecessary generation of waste.	Work Site/During Design & Construction Period	V
6.44	5.7	Excavated and C&D Materials  In order to minimise the impact resulting from collection and transportation of C&D material for off-site disposal, the excavated material arising from site formation and foundation works should be reused on-site as backfilling material and for landscaping works as far as practicable. Other mitigation requirements are listed below:  • A WMP, which becomes part of the Environmental Management Plan (EMP), should be	Work Site/During Design & Construction Period	<b>V</b>

		prepared in accordance with ETWB TCW No.19/2005; • A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) should be adopted for easy tracking; and • In order to monitor the disposal of excavated and C&D material at public filling facilities and landfills and to control fly-tipping, a trip-ticket system should be adopted (refer to ETWB TCW No. 31/2004).		
6.45 - 6.46	5.8 - 5.9	An EMP should be prepared and implemented in accordance with ETWB TCW No. 19/2005 which describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from construction activities. The EMP should be submitted to the Supervising Officer (SO) and Supervising Officer's Representative (SOR) for approval. The EMP should be reviewed regularly and updated, preferably on a monthly basis.  A system should be devised to work for on-site sorting of excavated and C&D materials and promptly removing all sorted and process materials arising from the construction activities to minimize temporary stockpiling on-site. The system should be included in the EMP identifying the source of generation, estimated quantity, arrangement for on-site sorting, collection, temporary storage areas and frequency of collection by recycling Contractors or frequency of removal off-site.	Work Site/During Design & Construction Period	
6.47	5.10	Chemical Waste Should chemical wastes be produced at the construction site, the Contractor would be required to register with EPD as a Chemical Waste Producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste (such as explosive, flammable, oxidizing, irritant, toxic, harmful, or corrosive). The Contractor should employ a licensed collector to transport and dispose of the chemical wastes, to either the CWTC in Tsing Yi, or any other licensed facilities, in accordance with the Waste Disposal (Chemical Waste) General) Regulation.	Work Site / During Construction Period	<>
6.48	5.11	General Refuse General refuse should be stored in enclosed bins or compaction units separated from C&D material. A licensed waste collector should be employed by the contractor to remove general refuse from the site, separately from C&D material. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	Work Site / During Construction Period	<>>
E. La	andscape and V			
7.99 & Table 7.7	Table 6.1	<ul><li>Construction Phase</li><li>Topsoil, where identified, should be stripped and stored for re-use in the construction of the</li></ul>	Work site/During Design & Construction Stages	1

		<ul> <li>soft landscape works, where practical</li> <li>Compensatory tree planting should be provided to compensate for felled trees.</li> <li>Compensation tree species shall be chosen from both indigenous and ornamental species</li> <li>Compensatory tree planting quantities shall be as per DLO approved requirement.</li> <li>Control of night-time lighting</li> <li>Erection of decorative screen hoarding compatible with the surrounding setting</li> </ul>		
F. 8.25	Noise 7.3	Good Site Practice:  Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program;  Mobile plant, if any, should be sited as far from noise sensitive receivers (NSRs) as possible;  Machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum;  Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and  Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.	Work site/During Design & Construction Stages	

#### Remark:

- Compliance of Mitigation Measures
- Compliance of Mitigation but need improvement Non-compliance of Mitigation Measures <>
- Non-compliance of Mitigation Measures but rectified by OSCAR Bioenergy JV
- Deficiency of Mitigation Measures but rectified by OSCAR Bioenergy JV Δ
- N/A Not Applicable in Reporting Period

#### Annex F

## Waste Flow Table

#### No. EP/SP/61/10 of Organic Waste Treatment Facilities Phase I Monthly Summary Waste Flow Table

		Actual Quant	ities of Inert C&D Mate	rials Generated	•	Actual Quantities of Non-inert C&D Materials (Construction Waste) Generated						
Month	Total Quantity Generated	Reused in the Contract	Reused in other Projects	Hard Rocks & Large Broken Concrete	Disposed as Public Fill	Metals (see Note 1)	Paper/ cardboard packaging (see Note 1)	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse (see Note 3)		
	tonne	tonne	tonne	tonne	tonne	kilogram	kilogram	kilogram	Litre	tonne		
May 2015	29.58	0.00	0.00	0.00	29.58	0.00	0.00	0.00	0.00	0.00		
June 2015	2226.90	0.00	0.00	0.00	2226.90	0.00	0.00	0.00	0.00	9.66		
July 2015	2832.27	0.00	0.00	0.00	2832.27	0.00	0.00	0.00	0.00	33.68		
August 2015	6657.25	0.00	0.00	0.00	6657.25	0.00	0.00	0.00	0.00	55.06		
September 2015	5467.05	0.00	0.00	0.00	5467.05	3480.00	0.00	0.00	0.00	83.81		
October 2015	5419.04	0.00	0.00	0.00	5419.04	18710.00	0.00	0.00	0.00	20.45		
November 2015	1375.26	0.00	0.00	0.00	1375.26	21610.00	0.00	0.00	0.00	17.38		
December 2015	2199.56	75.28	0.00	0.00	2124.28	0.00	41.00	0.00	0.00	21.83		
January 2016	4601.43	0.00	0.00	0.00	4601.43	18140.00	0.00	0.00	640.00	20.86		
February 2016	4166.42	0.00	0.00	0.00	4166.42	510.00	79.00	0.00	0.00	16.57		
Total	34974.76	75.28	0.00	0.00	34899.48	62450.00	120.00	0.00	640.00	279.30		

Notes:

- (1) Metal and paper/cardboard packaging were collected by recycler for recycling.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material collected by recycler for recycling.
- (3) General refuse was disposed of at NENT by subcontractors.

#### Annex G

Environmental Complaint, Environmental Summons and Persecution Log

Annex G Cumulative Complaint and Summons/Prosecutions Log

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
May 2015	0	0
June 2015	0	0
July 2015	0	0
August 2015	0	0
September 2015	0	0
October 2015	0	0
November 2015	0	0
December 2015	0	0
January 2016	0	0
February 2016	0	0
Overall Total	0	0