MONTHLY EM&A REPORT

OSCAR Bioenergy Joint Venture

Contract No. EP/SP/61/10 Organic Waste Treatment Facilities Phase 1: *Ninth Monthly EM&A Report*

1 February 2016 - 29 February 2016

Environmental Resources Management

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Organic Waste Treatment Facilities, Phase I

Monthly EM&A Report (1 February 2016 – 29 February 2016)

(March 2016)

Verified by: <u>Helen Cochrane</u>

Position: Independent Environmental Checker

Date:	[0	Mar. 2016	
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Contract No. EP/SP/61/10 Organic Waste Treatment Facilities Phase 1: *Ninth Monthly EM&A Report*

1 February 2016 – 29 February 2016 Reference 0279222

For and on behalf of ERM-Hong Kong, Limited
Approved by: Frank Wan
Signed: Wards I.
Position: Partner
Certified by:
Certified by:
Date:14 March 2016

CONTENTS

EXECUTIVE SUMMARY

1	INTRODUCTION	1
1.1	Purpose of the Report	1
1.2	STRUCTURE OF THE REPORT	1
2	PROJECT INFORMATION	3
2.1	BACKGROUND	3
2.2	GENERAL SITE DESCRIPTION	3
2.3	CONSTRUCTION ACTIVITIES	4
2.4	PROJECT ORGANISATION AND MANAGEMENT STRUCTURE	4
2.5	STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS	4
3	ENVIRONMENTAL MONITORING REQUIREMENT, ENVIRONMENTA	4L
	MITIGATION MEASURES	5
4	IMPLEMENTATION STATUS ON ENVIRONMENTAL PROTECTION REQUIREMENTS	6
5	WASTE MANAGEMENT	7
6	ENVIRONMENTAL INSPECTIONS	8
6.1	Weekly Site Audits	8
6.2	LANDSCAPE AND VISUAL AUDIT	8
7	ENVIRONMENTAL NON-CONFORMANCE	10
7.1	SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE	10
7.2	SUMMARY OF ENVIRONMENTAL COMPLAINT	10
7.3	SUMMARY OF ENVIRONMENTAL SUMMON AND SUCCESSFUL PROSECUTION	10
8	FUTURE KEY ISSUES	11
8.1	Key Issues for the Coming Month	11
8.2	CONSTRUCTION PROGRAMME	11
9	CONCLUSIONS	12

LIST OF TABLES

- TABLE 2.1
 SUMMARY OF CONSTRUCTION ACTIVITIES UNDERTAKEN IN THE REPORTING PERIOD
- TABLE 2.2
 SUMMARY OF ENVIRONMENTAL LICENSING, NOTIFICATION AND PERMIT STATUS
- TABLE 5.1QUANTITIES OF WASTE GENERATED FROM THE PROJECT
- TABLE 8.1
 CONSTRUCTION WORKS TO BE UNDERTAKEN IN THE NEXT REPORTING PERIOD

LIST OF ANNEXES

- ANNEX A LOCATION OF PROJECT
- ANNEX B WORKS LOCATION
- ANNEX C CONSTRUCTION PROGRAMME FOR THE PROJECT
- ANNEX D PROJECT ORGANIZATION CHART AND CONTACT DETAIL
- ANNEX E IMPLEMENTATION SCHEDULE OF MITIGATION MEASURES
- ANNEX F WASTE FLOW TABLE
- ANNEX G ENVIRONMENTAL COMPLAINT, ENVIRONMENTAL SUMMONS AND PROSECUTION LOG

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 9th EM&A report which summarises the monitoring results and audit findings for the EM&A programme during the reporting period from **1** 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 the background and scope of the Project, site description, project organization, construction programme, construction works undertaken and status of the Environmental Permits (EP)/licences over the construction phase of the Project.

Section 3: Environmental Monitoring Requirements

It summarises the environmental monitoring requirements including monitoring parameters, programmes, methodologies, frequency, locations, Action and Limit Levels, Event/Action Plans, environmental mitigation measures as recommended in the EM&A Manual and approved EIA report.

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, environmental complaints and summons received within the reporting period.

Section 8: Further Key Issues

It summarises the impact forecast and monitoring schedule for the next reporting month.

Section 9: Conclusions

2 **PROJECT INFORMATION**

2.1 BACKGROUND

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/B were made in December 2015. The latest EPs, No. EP-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 Project Site is illustrated in *Annex A*.

2.3 CONSTRUCTION ACTIVITIES

A summary of the major construction activities undertaken in the reporting period is shown in *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 2.1Summary of Construction Activities Undertaken in the Reporting Period

Construction Activities Undertaken

- Excavation, Earthling Installation and Concrete Footing Works for Building 1;
- Construction and Superstructure Works for Building 2;
- Construction, Superstructure and Sheet Pile Extraction Works for AD Tank;
- Construction Works for Boundary Wall; and
- Excavation Works for Biogas Holder Area.

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/ Licences/	Reference	Validity Period	Remarks
Notification	Reference	vullarly i chou	inclination of the second seco
Environmental	FEP-01/395/2010/C	Throughout the	Permit granted on 21
Permit		Contract	December 2015
Notification of	Ref No. 386715	Throughout the	-
Construction Works		Contract	
under the Air			
Pollution Control			
(Construction Dust)			
Regulation			
Effluent Discharge	WT00021482-2015	21 May 2015 – 31	Approved on 21 May
License		May 2020	2015
Construction Noise	GW-RW0001-16	15 January 2016 –	Permit granted on 4
Permit		14 July 2016	January 2016
Chemical Waste	WPN 5213-961-	Throughout the	Approved on 29 April
Producer Registration	O2231-01	Contract	2015
Waste Disposal	Account number:	Throughout the	-
Billing Account	702310	Contract	

ENVIRONMENTAL MONITORING REQUIREMENT, ENVIRONMENTAL MITIGATION MEASURES

3

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.

IMPLEMENTATION STATUS ON ENVIRONMENTAL PROTECTION REQUIREMENTS

4

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 *Table 5.1*.

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 ^(d)	Chemical Waste								
February 2016	4,166.42 tonnes	589.00 kg	16.57 tonnes	0 L								

Table 5.1Quantities of Waste Generated from the Project

Notes:

(a) Inert C&D materials (public fill) include bricks, concrete, building debris, rubble and excavated spoil. In total, 4,166.42 tonnes of inert C&D material were generated from the Project, of which 0.00 tonnes were reused in this Contract and the 4,166.42 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) 510.00 kg of metals, 79.00 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

Joint site inspections were conducted by representatives of the Contractor, the ER, IC and the ET on 5, 12, 17 and 26 February 2016. The IEC was also present at the joint inspection on 17 February 2016. Follow-up actions resulting from the last site inspections were taken as reported by the Contractor and their results were observed in the site inspections conducted in the reporting period.

Key observations during the reporting period are summarised as follows:

5 February 2016

No observation was found.

12 February 2016

• Oil patch was observed on ground near the wastewater treatment tank. It was recommended to enclose and label the contaminated soil for collection by the licensed collector.

17 February 2016

- Several empty chemical containers were found on bare ground near the wastewater treatment facility. The contractor was advised to ensure proper storage of the chemical waste or remove them for chemical waste disposal.
- Chemical waste stored in the chemical waste storage area were found to be without chemical waste label. The contractor was reminded to provide corresponding chemical waste label to them.

26 February 2016

No observation was found.

6.2 LANDSCAPE AND VISUAL AUDIT

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. Onsite inspections of the landscape and visual mitigation measures were performed on 12 and 26 February 2016.

Follow-up actions resulting from the last site inspections were taken as reported by the Contractor and their results were observed in the site inspections conducted in the reporting period.

It was confirmed that the necessary landscape and visual mitigation measures as summarised in *Annex E* were generally implemented by the Contractor.

No specific observation was found during site inspection on 12 and 26 February 2016.

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 FUTURE KEY ISSUES

8.1 KEY ISSUES FOR THE COMING MONTH

Works to be undertaken for the coming monitoring period are summarised in *Table 8.1*.

Table 8.1Construction Works to be undertaken in the Next Reporting Period

Construction Activities Undertaken

- Construction and Raft Foundation Works for Building 1;
- Construction and Superstructure Works for Building 2;
- Excavation Works for Building 3;
- Installation Works for AD Tank;
- Construction Works for Boundary Wall and Boundary Fence Wall;
- Construction Works for second Site Access;
- Construction Works for Boundary Wall;
- Construction Works for Site-wise Drainage and
- Earthling Installation Works.

Potential environmental impacts arising from the above construction activities will be mainly associated with dust, construction noise, site runoffs, waste management and landscaping issues.

8.2 CONSTRUCTION PROGRAMME

The most up-to-date construction programme for the Project is presented in *Annex C*.

CONCLUSIONS

9

This EM&A Report presents the EM&A programme undertaken during the reporting period from 1 February 2016 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 the reporting period. The necessary landscape and visual mitigation measures recommended in the EIA Report were generally implemented by the Contractor.

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 of the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all the necessary mitigation measures in the coming periods.

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 9th monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 February 2016 to 29 February 2016 in accordance with the EM&A Manual.

Summary of Construction Works undertaken during the Reporting Month

Works undertaken in the reporting month included:

- Excavation, Earthling Installation and Concrete Footing Works for Building 1;
- Construction and Superstructure Works for Building 2;
- Construction, Superstructure and Sheet Pile Extraction Works for AD Tank;
- Construction Works for Boundary Wall; and
- Excavation Works for Biogas Holder Area.

Environmental Monitoring and Audit Progress

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

•	Joint Environmental Site Inspection	4 times
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Landscape & Visual Monitoring 2 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).

Inert C&D materials (public fill) include bricks, concrete, building debris, rubble and excavated spoil. In total, 4,166.42 tonnes of inert C&D material were generated from the Project, of which 0.00 tonnes were reused in this Contract. The 4,166.42 tonnes of inert C&D material were disposed of as public fill to the Fill Banks at Tuen Mun Area 38 and Tseung Kwan O Area 137.

Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. 510.00 kg of metals, 79.00 kg of papers/ cardboard packing and 0.00 kg of plastics were sent to recyclers for recycling during the reporting period. 16.57 tonnes of general refuse was disposed as landfill.

0 L of chemical waste was collected by licenced waste collector and sent to West New Territories (WENT) Landfill.

Environmental Site Inspection

Four weekly joint environmental site inspections were carried out by the representatives of the Contractor, SOR and the Environmental Team (ET). The IEC was also present at the joint inspection on 17 February 2016. Details of the audit findings and implementation status of the mitigation measures are presented in *Section 6.1*.

Landscape & Visual

Onsite inspections on landscape and visual mitigation measures were performed on 12 and 26 February 2016. Details of the audit findings and implementation status of the mitigation measures are presented in *Sections 6.2*.

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.

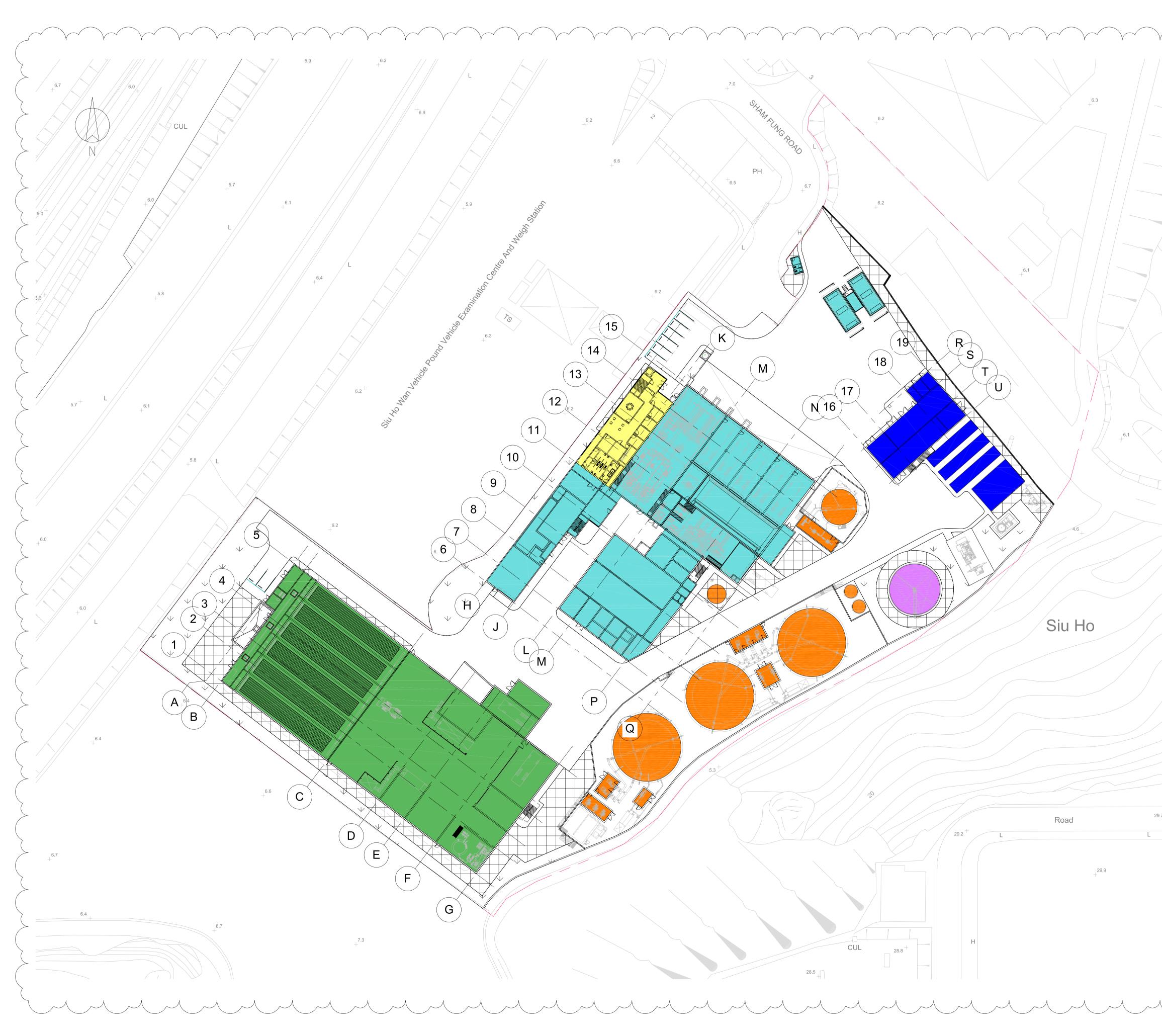
Future Key Issues

Works to be undertaken in the next reporting month include:

- Construction and Raft Foundation Works for Building 1;
- Construction and Superstructure Works for Building 2;
- Excavation Works for Building 3;
- Installation Works for AD Tank;
- Construction Works for Boundary Wall and Boundary Fence Wall;
- Construction Works for second Site Access;
- Construction Works for Boundary Wall;
- Construction Works for Site-wise Drainage and
- Earthling Installation Works.

Environmental impacts arising from the above construction activities are mainly associated with dust, construction noise, site runoffs, waste management and landscaping issues. Annex A

Project Layout

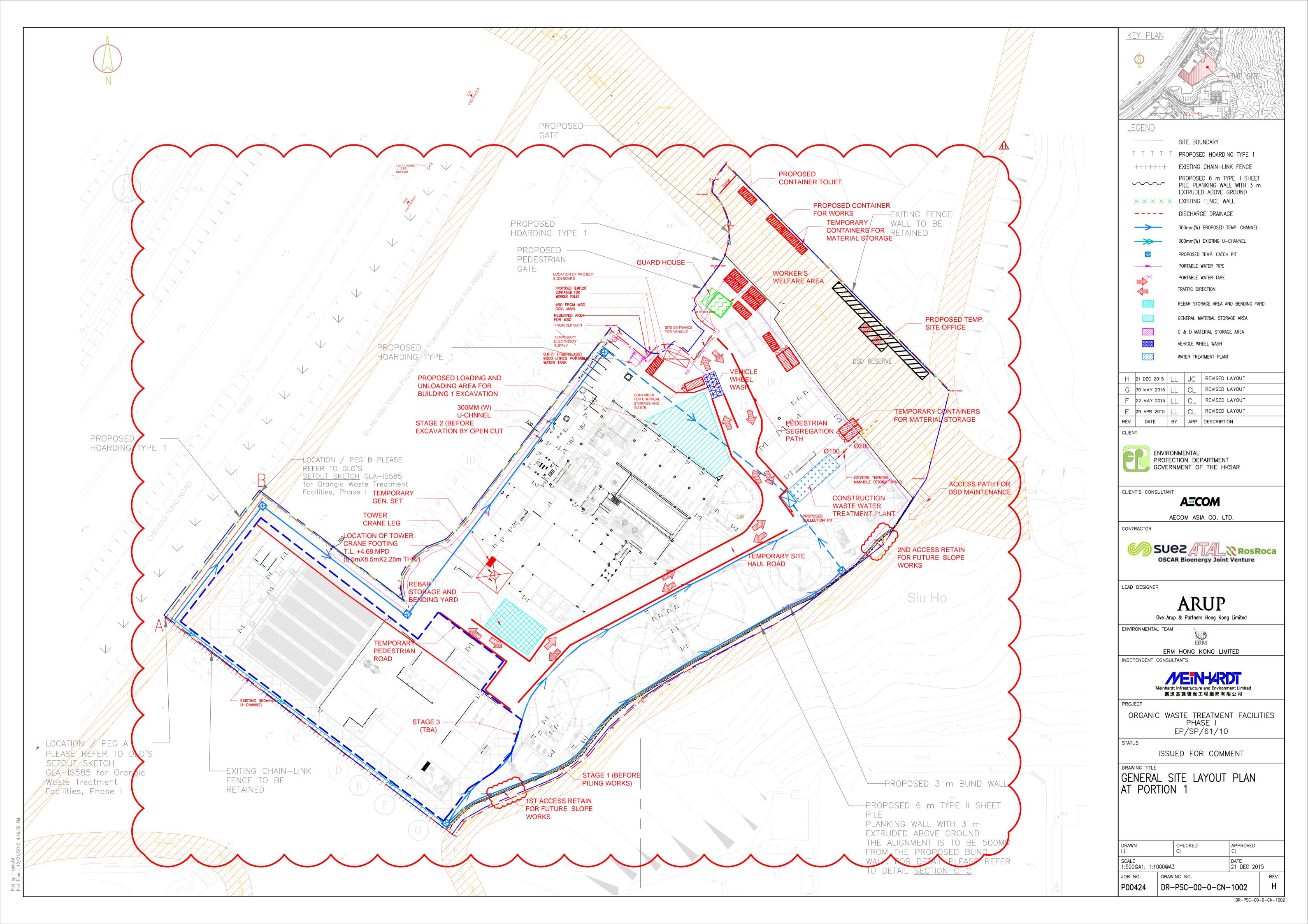


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Annex B

Works Location



Annex C

Construction Programme of the Project

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KD100200	LETTER OF ACCEPTANCE	1d 19-Nov-14	19-Nov-14	19-Nov-14	19-Nov-14	0d	LETTER	OF ACCI	PTANC	E											
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C1 Milestones f	for Preliminaries and General Requirments	295d 17-Dec-14 295d 17-Dec-14	16-Dec-15 16-Dec-15		03-Mar-16 03-Mar-16	61d 61d															
		295d 17-Dec-14	16-Dec-15	15-Jan-15	03-Mar-16	61d							<u> </u>								
MC110100	MC1.1 - Substantial Completion of ER & IC Accommodation	Od	25-Apr-15		22-May-15	22d						• MC1.1	Substa	ntial Con	npletion of	f ER & IC	CAccomn	nodation			
MC110200	MC1.2 - Joint signing of IC Agreement	Od	17-Dec-14		15-Jan-15	18d		— мс	1.2 - Joi	nt signing	of IC Agr	eement						•			
MC110300	MC1.3 - Employer's consent granted on draft Contractor's Plans	0d	16-Dec-15		03-Mar-16	51d												•		MC1.	3 - Em
	for Design of the Works er's consent granted on Detailed Design Submission	218d 20-Jul-15 218d 20-Jul-15	23-Feb-16 23-Feb-16	-	12-Apr-16 12-Apr-16	49d 49d															
		218d 20-Jul-15	23-Feb-16	26-Aug-15	12-Apr-16	49d												_			
MC210100	MC2.1.1 - Employer's consent granted in respect of Detailed Design of Waste Receiving & Pre-treatment System	b0	20-Jul-15		27-Oct-15	99d							-						r's consent		
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	29d													iployer's co		
MC210300	MC2.1.3 - Employer's consent granted in respect of Detailed Design of Biogas treatment & CHP Generation System	Od	05-Aug-15		26-Aug-15	21d								◄	MC2.1.3	- Employ	yer's cons	sent grar	ed in respe		
MC210400	MC2.1.4 - Employer's consent granted in respect of Detailed Design of Compositing System	Od	26-Oct-15		11-Feb-16	108d							ļ			•				C2.1.4 -	
MC210500	MC2.1.5 - Employer's consent granted in respect of Detailed Design of CAPCS & WWTS	Od	23-Sep-15		02-Nov-15	40d									•		MC2.1.5	1	er's conser	1 T	
WC210600	MC2.1.6 - Employer's consent granted in respect of Detail Design of control & instrumentation works	Od	20-Oct-15		29-Dec-15	70d										•			2.1.6 - Em		
MC210700	MC2.1.7 - Employer's consent granted in respect of building services & electrical works	0d	04-Nov-15		24-Nov-15	20d										-	- MC	C2.1.7 - E	mployer's c	onsent o	
MC210800	MC2.1.8 - Employer's consent granted in respect of Detailed Design of civil, structural & geotechnical works	Od	23-Feb-16		12-Apr-16	49d													•		— M
MC210900	MC2.1.9 - Employer's consent granted in respect of Detailed Design of architectural & landscape works	0d	03-Dec-15		01-Mar-16	89d														 MC2. 	1.9 - Er
C2.2 Completion o	of the Design of the Works	0d 23-Feb-16 0d 23-Feb-16	23-Feb-16 23-Feb-16		12-Apr-16 12-Apr-16	49d 49d															
MC220100	MC2.2 - Completion of the Design of the Works	0d	23-Feb-16		12-Apr-16	49d													•		— М
	for Construction of the Works	505d 06-Jul-15 427d 06-Jul-15	16-Mar-17 08-Dec-16		16-Mar-17 16-Mar-17	0d 78d															
		427d 06-Jul-15	08-Dec-16	06-Jul-15	16-Mar-17	78d															
MC310100	MC3.1.1 - Completion of site formation	Od	03-Dec-15		08-Dec-15	4d													- Completi	on of site	forma
	MC3.1.2 - Completion of 50% of piling works	0d	06-Jul-15		06-Jul-15	0d							▼ MC3	3.1.2 - Co	ompletion	of 50% o	of piling w	orks			
	NO.4.0. Oceanization of 4000/ of all an angle	0.1	00.0 45						1				1								
MC310300	MC3.1.3 - Completion of 100% of piling works	0d	22-Sep-15		08-Apr-16	158d					· · ·	- 1			-						
MC310300 MC310400	MC3.1.4 - Completion of 50% of superstructure works	Od	08-Jan-16		08-Jan-16	0d									×			•	MC3.1.4 - (on of 5
MC310300 MC310400 MC310500	MC3.1.4 - Completion of 50% of superstructure works MC3.1.5 - Completion of 80% of superstructure works	0d 0d	08-Jan-16 13-Feb-16		08-Jan-16 13-Feb-16	0d Od												•		Completio	on of 50 Compl
AC310300 AC310400 AC310500 AC310600	MC3.1.4 - Completion of 50% of superstructure works MC3.1.5 - Completion of 80% of superstructure works MC3.1.6 - Completion of 100% of superstructure works	Od Od Od	08-Jan-16 13-Feb-16 11-Apr-16		08-Jan-16 13-Feb-16 26-May-16	0d 0d 37d												•			on of 5
MC310300 MC310400 MC310500 MC310600 MC310700	MC3.1.4 - Completion of 50% of superstructure works MC3.1.5 - Completion of 80% of superstructure works MC3.1.6 - Completion of 100% of superstructure works MC3.1.7 - Completion of 100% of drainage, road and geotechnical works	b0 b0 b0 b0 b0 b0	08-Jan-16 13-Feb-16 11-Apr-16 08-Dec-16		08-Jan-16 13-Feb-16 26-May-16 16-Mar-17	0d 0d 37d 78d												•			on of 5 Comp
MC310300 MC310400 MC310500 MC310600 MC310700	MC3.1.4 - Completion of 50% of superstructure works MC3.1.5 - Completion of 80% of superstructure works MC3.1.6 - Completion of 100% of superstructure works	Od Od Od	08-Jan-16 13-Feb-16 11-Apr-16	24-Mar-16	08-Jan-16 13-Feb-16 26-May-16	0d 0d 37d												•			on of 5 Comp
VIC310300 VIC310400 VIC310500 VIC310600 VIC310700 C3.2 Delivery of M	MC3.1.4 - Completion of 50% of superstructure works MC3.1.5 - Completion of 80% of superstructure works MC3.1.6 - Completion of 100% of superstructure works MC3.1.7 - Completion of 100% of drainage, road and geotechnical works	0d 0d 0d 0d 0d 0d 125d 26-Jan-16	08-Jan-16 13-Feb-16 11-Apr-16 08-Dec-16 02-Jul-16	24-Mar-16 24-Mar-16	08-Jan-16 13-Feb-16 26-May-16 16-Mar-17 07-Sep-16	0d 0d 37d 78d 57d												•			on of 50 Compl
VIC310300 VIC310400 VIC310500 VIC310600 VIC310700 C3.2 Delivery of M VIC320100	MC3.1.4 - Completion of 50% of superstructure works MC3.1.5 - Completion of 80% of superstructure works MC3.1.6 - Completion of 100% of superstructure works MC3.1.7 - Completion of 100% of drainage, road and geotechnical works Mc3.1.7 - Completion of 100% of drainage, road and geotechnical works	0d 0d 0d 0d 0d 0d 125d 26-Jan-16 125d	08-Jan-16 13-Feb-16 11-Apr-16 08-Dec-16 02-Jul-16 02-Jul-16	24-Mar-16 24-Mar-16	08-Jan-16 13-Feb-16 26-May-16 16-Mar-17 07-Sep-16 07-Sep-16	0d 0d 37d 78d 57d 57d												•		C3.1.5 -	on of 50 Compl
VIC310300 VIC310400 VIC310500 VIC310600 VIC310700 S3.2 Delivery of M VIC320100 VIC320200	MC3.1.4 - Completion of 50% of superstructure works MC3.1.5 - Completion of 80% of superstructure works MC3.1.6 - Completion of 100% of superstructure works MC3.1.7 - Completion of 100% of drainage, road and geotechnical works Mc3.1.7 - Completion of 100% of drainage, road and geotechnical works Mc3.2.1 - Completion of Delivery of Pre-treatment System	0d 0d 0d 0d 0d 125d 26-Jan-16 125d 0d	08-Jan-16 13-Feb-16 11-Apr-16 08-Dec-16 02-Jul-16 02-Jul-16 26-Jan-16	24-Mar-16 24-Mar-16	08-Jan-16 13-Feb-16 26-May-16 16-Mar-17 07-Sep-16 07-Sep-16 27-Apr-16	0d 37d 78d 57d 57d 60d												•		C3.1.5 -	on of 50 Compl
MC310300 MC310400 MC310500 MC310600 MC310700 C3.2 Delivery of M MC320100 MC320200 MC320300	MC3.1.4 - Completion of 50% of superstructure works MC3.1.5 - Completion of 80% of superstructure works MC3.1.6 - Completion of 100% of superstructure works MC3.1.7 - Completion of 100% of drainage, road and geotechnical works Atterials and Equipment to the Site MC3.2.1 - Completion of Delivery of Pre-treatment System MC3.2.2 - Completion of Delivery of Anaerobic Digesters	0d 0d 0d 0d 0d 125d 26-Jan-16 0d 0d 0d	08-Jan-16 13-Feb-16 11-Apr-16 08-Dec-16 02-Jul-16 02-Jul-16 26-Jan-16 25-Feb-16	24-Mar-16 24-Mar-16	08-Jan-16 13-Feb-16 26-May-16 16-Mar-17 07-Sep-16 07-Sep-16 27-Apr-16 24-Mar-16	0d 0d 37d 78d 57d 60d 20d												•		C3.1.5 -	on of 50 Comple
MC310300 MC310400 MC310500 MC310500 MC310600 MC310700 S3.2 Delivery of M MC320100 MC320200 MC320200 MC320400	MC3.1.4 - Completion of 50% of superstructure works MC3.1.5 - Completion of 80% of superstructure works MC3.1.6 - Completion of 100% of superstructure works MC3.1.7 - Completion of 100% of drainage, road and geotechnical works MC3.1.7 - Completion of 100% of drainage, road and geotechnical works MC3.2.7 - Completion of Delivery of Pre-treatment System MC3.2.2 - Completion of Delivery of Anaerobic Digesters MC3.2.3 - Completion of Delivery of Combined Heat and Power Units	0d 0d 0d 0d 0d 125d 26-Jan-16 0d 0d 0d 0d	08-Jan-16 13-Feb-16 11-Apr-16 08-Dec-16 02-Jul-16 02-Jul-16 25-Feb-16 02-Jul-16	24-Mar-16 24-Mar-16	08-Jan-16 13-Feb-16 26-May-16 16-Mar-17 07-Sep-16 07-Sep-16 27-Apr-16 24-Mar-16 02-Jul-16	0d 0d 37d 78d 57d 57d 60d 20d 0d												•		C3.1.5 -	on of 50 Compl
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Contract Programme for the Design and
Construction Works (v1.4)

		20)16							20)17	
r	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
mp	loyer's c	onsent	granted	on draft	Contrac	tor's Pla	ns					
spe	ct of De	tailed D	esign of	Waste F	Receivin	g & Pre-	treatme	nt Syste	m			
d in	respect	of Deta	led Desi	ign of An	aerobic	Digestic	n Treat	ment Sys	stem			
De	sign of I	Biogas t	reatmen	& CHP	Genera	tion Sys	tem					
ove	r's cons	ent grai	ted in re	spect o	f Detaile	d Desia	h of Cor	nposting	System			
esp	ect of L	etailed	Design c	IT CAPC	S& WW	(IS						
ent	granted	in resp	ect of De	tail Des	ign of co	ntrol & i	hstrume	entation v	vorks			
ed i	n respe	ct of bui	ding ser	vices &	electrica	l works						
МС	2.1.8 -	Employe	r's cons	ent gran	ted in re	spect o	f Detaile	d Desigi	n of civil,	structu	iral & ge	btechni
Fm	nlover's	consen	aranter	in resn	ect of D	etailed F	lesian c	f archite	ctural &	landsca	ne work	c
MC	2.2 - Co	mpletio	h of the	besign o	f the W	orks						
nati	bn											
NC:	3.1.3 - C	ompletio	on of 100	% of pili	ng work	s						
50	% of sur	erstruc	ture wor	ks								
ipie			uperstru									
		MC3.1.	16 - Com	pletion o	f 100%	bf super	structu	ne works				
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			pletion o					tem				
.2.2	2 - Comp	pletion o	Deliver	y of Ana	erobic D	igesters						
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	٠.				_ мс:	3.2.4 - C	ompleti	on of Del	very of	; Compos	; sting Tur	nels
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				٠_	м	C3.3.1 -	Comple	tion of W	aste Re	ceiving	, Storag	e and F
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Environmental Protection Department of the HKSAR ctivity ID Activity Name MC340100 MC3.4 - Completion of architectural and landscape works						SP/61/1			1				9	20		- Æ		∖ كال	X RO	sRoc	ca
y ID	Activity Name		Organic V	Waste 1		Late Finish	Total	hase	1				2015	osc	CAR B	Bioen	ergy	Joint	Ventur	re	—
			Duration	31-Dec-16		16-Mar-17	Float 60d	Nov I	Dec	Jan Feb Mar A	Apr May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan Feb	b Mar	Арг
MC 340 100			0d 65d 23-Dec-16	16-Mar-17	15-Jan-17	16-Mar-17	000 0d														
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MC350100	MC3.5.1 - Employer's consent granted on all FAT,SAT,System Comm.Test,Process Comm.T.Plan	Start Up & Process Comm.&Plant	Od	23-Dec-16		15-Jan-17	23d														
MC350200	MC3.5.2 - Employer's consent granted on all System Commissioning Reports		0d	19-Jan-17		19-Jan-17	0d														
MC350300	MC3.5.3 - Employer's consent granted on the Process Start Up & Process Commi	ssioning Report	0d	27-Feb-17		27-Feb-17	0d														
MC350400	MC3.5.4 - Employer's consent granted on the Plant Commissioning Report		0d	16-Mar-17		16-Mar-17	0d														
MC3.6 Issuance of t	he Certificate of Substantial Completion by the Employer		0d 16-Mar-17 0d 16-Mar-17	16-Mar-17 16-Mar-17	16-Mar-17 16-Mar-17	16-Mar-17 16-Mar-17	D0 D0														
MC360100	MC3.6 Issuance of the Certificate of Substantial Completion by the Employer		Od	16-Mar-17		16-Mar-17	0d														
RELIMINARY A	ND GENERAL REQUIREMENT WORKS		710d 20-Nov-14	13-Apr-17	20-Nov-14	13-Apr-17	0d														
Appointment and /	Assignment of Contractor's Superintendents, Designers, IC and ER		20d 20-Nov-14	17-Dec-14	16-Dec-14		84d														
			20d 20-Nov-14 20d 20-Nov-14	17-Dec-14 17-Dec-14	16-Dec-14 16-Dec-14	24-Apr-15 24-Apr-15	84d 84d														
PL100110	Notify the Employer of the proposed Project Manager		5d 20-Nov-14	26-Nov-14	16-Dec-14	22-Dec-14	18d	۹	-	Notify the Employer of the p	roposed Pr	oject Ma	anager								
PL100120	Submit Contractor's Management Team to Employer		10d 27-Nov-14	10-Dec-14	23-Dec-14	08-Jan-15	18d		L_	 Submit Contractor's M 	anagement	Feam to	Employe	r i							
PL100130	Employer appoves proposed Project Manager		0d	10-Dec-14		08-Jan-15	18d			Employer appoves pro	posed Proje	ot Man	aģer								
PL100140	Appoint Project Manager		5d 11-Dec-14	17-Dec-14	09-Jan-15	15-Jan-15	18d		•	Appoint Project Man	ager										
PL100150	Jointly Appoint the Independent Consultant with the Employer		10d 20-Nov-14	03-Dec-14	16-Dec-14	31-Dec-14	18d	–		Jointly Appoint the Indepe	endent Cons	ultant w	vith the Er	nployer							
PL100160	IC to submit names of representatives to Employer & Contractor		20d 20-Nov-14	17-Dec-14	25-Mar-15	24-Apr-15	84d		╺─┤		IC to s	ubmit n	ames of r	epresen	tatives tr	o Emplo	yer & Co	ntractor			
PL100180	Employer notifies Contractor of Employer's Representative		Od	17-Dec-14		15-Jan-15	18d		•	Employer notifies Co	ntractor of E	mploye	r's Repre	sentative	3						
Further Environme	ental Permit		39d 20-Nov-14	16-Jan-15	22-Apr-15	17-Jun-15	101d														
			39d 20-Nov-14 39d 20-Nov-14	16-Jan-15 16-Jan-15	22-Apr-15 22-Apr-15	17-Jun-15 17-Jun-15	101d 101d														
PL100190	Submit application for Further Environmental Permit		5d 20-Nov-14	26-Nov-14	20-May-15		120d	<mark>∎</mark> ∔				· Subrr	nit applica	tion for P	urther E	nvironm	ental Pe	rmit			
PL100200	Prepare & submit Emergency Procedures Plan by ET to IEC & ER		12d 20-Nov-14	05-Dec-14	22-Apr-15	08-May-15	101d	-			Pro	epare &	submit E	mergent	cy Proce	dures F	lan by E	T to IEC 8	k ER		
PL100210	IEC checks & verifies Emergency Procedures Plan		10d 08-Dec-14	19-Dec-14	11-May-15	22-May-15	101d					EC ch	ecks & v	erifies En	nergeno	y Proce	dures Pl	an			
PL100220	ER approves Emergency Procedures Plan		Od	05-Jan-15		04-Jun-15	101d			•		- ER	approves	Emerge	ency Pro	cedures	Plan				
PL100230	Submit approved Emergency Procedures Plan to Dir of EP		4d 06-Jan-15	09-Jan-15	05-Jun-15	10-Jun-15	101d			۹		<u> </u>	upmit app	roved Er	mergend	y Proce	dures P	lan to Dir d	of EP		
PL100240	Obtain Further Environmental Permit from Dir of EP		Od	16-Jan-15		17-Jun-15	101d			•		-	Obtain Fu	rther En	vironme	ntal Per	mit from	Dir of EP			
Guarantees, Unde	rtakings & Insurances		40d 20-Nov-14	19-Jan-15	16-Dec-14	22-May-15	<mark>83d</mark>														
			40d 20-Nov-14 40d 20-Nov-14	19-Jan-15 19-Jan-15	16-Dec-14 16-Dec-14	22-May-15 22-May-15	83d 83d														
PL100250	Provision of Guarantee to Employer		10d 20-Nov-14	03-Dec-14	02-Jan-15	15-Jan-15	28d			Provision of Guarant	ee to Emplo	yer									
PL100260	Provision of Undertaking to Employer		10d 20-Nov-14	03-Dec-14	02-Jan-15	15-Jan-15	28d	_		Provision of Undertal	king to Empl	ldyer									
PL100270	Provision of Undertakings from related companies to Employer		10d 20-Nov-14	03-Dec-14	02-Jan-15	15-Jan-15	28d	–		Provision of Undertal	kings¦ from r	elated c	ompanies	to Emp	oyer						
PL100280	Provision of the Bond to Employer		15d 20-Nov-14	10-Dec-14	23-Dec-14	15-Jan-15	23d			Provision of the Bond	to Employe	эr									
PL100290	Provision of Contractor's All Risks Insurance		20d 20-Nov-14	17-Dec-14	16-Dec-14	15-Jan-15	18d			Provision of Contract	tor's All Risk	.s Insur:	ance								
PL100300	Provision of Professional Indemnity Insurance		20d 20-Nov-14	17-Dec-14	16-Dec-14	15-Jan-15	18d	-		Provision of Professi	onal Indemr	iity Insu	rance								
PL100310	Provision of Employee Compensation Insurance		20d 20-Nov-14	17-Dec-14	16-Dec-14	15-Jan-15	18d			Provision of Employe	e Compens	ation In:	surance								
PL100320	Provision of Motor Vehicle Insurance		20d 20-Nov-14	17-Dec-14	16-Dec-14	15-Jan-15	18d			Provision of Motor Ve	ehicle Insura	ince									
PL100330	Submit Undertakings & Certificates of PI Insurance		40d 20-Nov-14	19-Jan-15	24-Mar-15	22-May-15	83d					\$ubmit	Undertal	kings & C	ertificat	es of PI	Insuran	ce			
rogramme			45d 20-Nov-14	14-Jan-15	25-Mar-15	22-May-15	102d														
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PL100340	Prepare & Submit Programme to IC & Employer		10d 20-Nov-14	03-Dec-14	13-Apr-15	24-Apr-15	94d	-			- Prepar	e & Sul	omit Prog	ramme tç	o IC & E	mployer					
PL100350	IC checks & certifies Programme		14d 18-Dec-14	31-Dec-14	25-Apr-15	08-May-15	128d						& certifie								
PL100360	Employer Consents to Contract Programme		Od	14-Jan-15		22-May-15	128d			•		Employ	/er Conse	ents to C	ontract I	Program	me				
PL100370	Prepare & submit 3 months programme to Employer, ER & IC		10d 04-Dec-14	17-Dec-14	11-May-15	22-May-15	103d					Prepar	e & subm	nt 3 mont	ths prog	ramme t	to Empla	yer, ER &	IC		
PL100380	Prepare & submit Critical Path Network to Employer, ER & IC		20d 20-Nov-14	17-Dec-14	25-Mar-15	24-Apr-15	84d				Prepar	rei&sut	onhit Critic	al Path N	letwork	to Emplo	oyer, ER	& IC			
PL100390	IC checks & certifies Critical Path Network		14d 18-Dec-14	31-Dec-14	25-Apr-15	08-May-15	128d						& certifie	1 1	1						
PL100400	Employer Consents to Critical Path Network		Od	14-Jan-15		22-May-15	128d			•	i		/er Conse	·	↓		brk				
	Contractor's Plans to Employer, ER & IC		319d 20-Nov-14	16-Dec-15	20-Nov-14	03-Mar-16	61d														
			319d 20-Nov-14	16-Dec-15	20-Nov-14	03-Mar-16	61d														
PL100410	Sub-contractor Management Plan		319d 20-Nov-14 20d 20-Nov-14	16-Dec-15 17-Dec-14	20-Nov-14 24-Apr-15	03-Mar-16 22-May-15	61d 103d					Sub-cr	ontractor I	Manager	ment Pla	n					
PL100420	Draft Project Management Plan		20d 20-Nov-14	17-Dec-14	25-Mar-15	24-Apr-15	84d				Droft		Vanagem	ļļ	ļ						
PL100430	IC checks & certifies Project Management Plan		14d 18-Dec-14	31-Dec-14	25-Mai-15	08-May-15	128d									omort 5	lar				
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ity ID	Activity Name	Original Early Start Duration	Early Finish	Late Start	Late Finish	Total Float	Nov Dec	Jan Fet	Mar Apr	2015 May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar	2016 Apr May Jun J	ul Aug Sep Oct Nov	/ Dec Jan Feb Mar
PL100440	Employer consents to Project Management Plan	Od	14-Jan-15		22-May-15	128d		•		Employer consents to Project Management Plan			
PL100450	Draft Human Resource Plan	20d 20-Nov-14	17-Dec-14	25-Mar-15	24-Apr-15	84d				Draft Human Resource Plan			
PL100460	IC checks & certifies Human Resource Plan	14d 18-Dec-14	31-Dec-14	25-Apr-15	08-May-15	128d				IC checks & certifies Human Resource Plan			
PL100470	Employer consents to Human Resource Plan	Od	14-Jan-15		22-May-15	128d		•		Employer consents to Human Resource Plan			
PL100480	Draft Design Plan	20d 20-Nov-14	17-Dec-14	20-Nov-14	17-Dec-14	0d	— D	raft Design Pl	an				
PL100490	IC checks & certifies Design Plan	14d 18-Dec-14	31-Dec-14	18-Dec-14	31-Dec-14	0d	-	IC checks	& certifies Desigr	n Plan			
PL100500	Employer consents to Design Plan	Od	14-Jan-15		14-Jan-15	0d		Employ	er consents to D	eşign Plan			
PL100510	Draft Works Plan	20d 20-Nov-14	17-Dec-14	25-Mar-15	24-Apr-15	84d				Draft Works Plan			
PL100520	IC checks & certifies Works Plan	14d 18-Dec-14	31-Dec-14	25-Apr-15	08-May-15	128d	-			IC ohecks & certifies Works Plan			
PL100530	Employer consents to Works Plan	Od	14-Jan-15		22-May-15	128d		•		Employer consents to Works Plan			
PL100540	Draft Operation Plan	62d 20-Nov-14	18-Feb-15	22-Jan-15	24-Apr-15	42d				Draft Operation Plan			
PL100550	IC checks & certifies Operation Plan	14d 19-Feb-15	04-Mar-15	25-Apr-15	08-May-15	65d		1	-	IC checks & certifies Operation Plan			
PL100560	Employer consents to Operation Plan	Dd	18-Mar-15		22-May-15	65d			•	Employer consents to Operation Plan			
PL100570	Draft Asset Management Plan	20d 20-Nov-14	17-Dec-14	25-Mar-15	24-Apr-15	84d				Draft Asset Management Plan			
PL100580	IC checks & certifies Asset Management Plan	14d 18-Dec-14	31-Dec-14	25-Apr-15	08-May-15	128d		<u> </u>		IC checks & certifies Asset Management Plan			
PL100590	Employer consents to Asset Management Plan	Od	14-Jan-15		22-May-15	128d		•		Employer consents to Asset Management Plan			
PL100600	Draft Environmental Management Plan	20d 20-Nov-14	17-Dec-14	02-Jan-15	29-Jan-15	28d		Dra	ft Environmental	Management Plan			
PL100610	IC checks & certifies Environmental Management Plan	14d 18-Dec-14	31-Dec-14	25-Apr-15	08-May-15	128d				IC checks & certifies Environmental Management Plan			
PL100620	Employer consents to Environmental Management Plan	Od	14-Jan-15		22-May-15	128d		•		Employer consents to Environmental Management Plan			
PL100630	Final Environmental Management Plan	20d 18-Dec-14	19-Jan-15	30-Jan-15	02-Mar-15	28d			Final Enviro	nmental Management Plan			
PL100640	Draft Quality Plan	20d 20-Nov-14	17-Dec-14	25-Mar-15	24-Apr-15	84d				Draft Quality Plan			
PL100650	IC checks & certifies Quality Plan	14d 18-Dec-14	31-Dec-14	25-Apr-15	08-May-15	128d				IC checks & certifieş Quality Plan			
PL100660	Employer consents to Quality Plan	Od	14-Jan-15		22-May-15	128d		•		Employer consents to Quality Plan			
PL100670	Submit CV for Quality Sub-agent	00	09-Apr-15		22-May-15	30d			•	Submit ¢V for Quality Sub-agent			
PL100680	Draft Safety and Health Plan	20d 20-Nov-14	17-Dec-14	25-Mar-15	24-Apr-15	84d				Draft Safety and Health Plan			
PL100690	IC checks & certifies Safety & Health Plan	14d 18-Dec-14	31-Dec-14	25-Apr-15	08-May-15	128d				IC checks & certifies Safety'& Health Plan			
PL100700	Employer consents to Safety & Health Plan	Od	14-Jan-15	•	22-May-15	128d		•		Employer consents to Safety & Health Plan			
PL100710	Final Safety and Health Plan	17d 18-Dec-14		29-Apr-15	22-May-15	86d				Final Safety and Health Plan			
PL100720	Site Management Plan for Trip Ticket System (TTS)	14d 11-Dec-14		•	24-Apr-15	75d				Site Management Plan for Trip Ticket System (TTS)			
PL100730	IC checks & certifies TTS Site Management Plan	14d 03-Jan-15		25-Apr-15	08-May-15	112d				IC checks & certifies TTS Site Management/Plan			
PL100740	Employer consents to TTS Site Management Plan	0d	30-Jan-15		22-May-15	112d		•		Employer consents to TTS Site Management Plan			
PL100790	Draft Handback Plan	14d 30-Oct-15		02-Nov-15	19-Nov-15	1d				Praft Handback Plan			
PL100800	IC checks & certifies Draft Handback Plan	14d 19-Nov-15		05-Feb-16	18-Feb-16	78d					s & certifies Draft Handback	Diab	
PL100810	Employer consents to Draft Handback Plan	0d	16-Dec-15		03-Mar-16	78d					byer consents to Draft Handl		
		32d 20-Nov-14		08-Apr-15		01d					yer consents to Drait Hand	Jack Plan	
	it complaints procedure	32d 20-Nov-14		08-Apr-15	22-May-15	91d							
PL100750	Submit complaints procedure to ER	32d 20-Nov-14 20d 20-Nov-14		08-Apr-15 08-Apr-15	22-May-15 06-May-15	91d 91d				Subbit completete procedure to EP			
PL100760	ER agrees to complaint procedures	0d	31-Dec-14		18-May-15	91d				Submit complaints procedure to ER			
PL100700	Establish Hotline for complaints	4d 02-Jan-15		19-Mav-15	22-May-15	91d				Extablish Hotline for complaints			
General		5d 21-Jan-15		-	22-May-15	245d							
General		5d 21-Jan-15		18-Jan-16	22-Jan-16	245d							
PL100780	Submit particulars of Tree supervisor to Employer	5d 21-Jan-15 5d 21-Jan-15		18-Jan-16 18-Jan-16	22-Jan-16 22-Jan-16	245d 245d				Dubnik portinuk		blover	
		200d 27-Apr-16		04-Jul-16	03-Mar-17	54d					rs of Tree supervisor to Emp	loyei	
Training of Open	ation & Maintenance Staff	200d 27-Apr-16 200d 27-Apr-16		04-Jul-16	03-Mar-17	54d							
TN100100	Prepare & submit training syllabus and materials to IC & Employer	200d 27-Apr-16 20d 27-Apr-16		04-Jul-16 04-Jul-16	03-Mar-17 29-Jul-16	54d 45d						Bronoro & outpuit training ou	
TN100100	IC checks & certifies training syllabus & materials	14d 26-May-16	-	24-Sep-16	07-Oct-16	43u 121d							/labus and materials to IC & En
TN100130	Employer agrees to training syllabus and materials	0d		= . cop 10	21-Oct-16	121u							s & certifies training syllabus &
			22-Jun-16	30-Son 40		121d 45d						Emplo	over agrees to training syllabus
TN100250	O&M Training of Contractor's Operation staff	60d 29-Jul-16			28-Dec-16								O&M Training of C
TN100300	O&M Training of Employer's staff	64d 26-Aug-16			03-Feb-17	45d							O&M Tra
TN100350	Odour Training for Employer	20d 28-Nov-16			03-Mar-17	45d							0
Preparation of T	esting / Operation Plan	385d 09-Sep-15 59d 09-Sep-15		23-Nov-15 23-Nov-15		16d 59d							
- actory Acceptent		59d 09-Sep-15	19-Nov-15			59d							
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	Submission of All System Commissioning Plan		5d 14-Jun-16	20-Jun-16	30-Sep-16		76d											
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P100170	Revise & resubmit All System Commissioning Plan		7d 05-Jul-16	11-Jul-16	18-Nov-16	24-Nov-16	136d											
P100180	IC checks & certifies All System Commissioning Plan		7d 12-Jul-16	18-Jul-16	25-Nov-16	01-Dec-16	136d											
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cess Start Up Plan			40d 01-Aug-16	16-Sep-16	15-Aug-16		12d											
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	Submission of Process Start up Plan		5d 01-Aug-16	05-Aug-16	15-Aug-16	19-Aug-16	10d											
P100210	IC checks & comments on Process Start up Plan		14d 06-Aug-16	19-Aug-16	22-Aug-16	04-Sep-16	16d											
P100220	Revise & resubmit Process Start up Plan		7d 20-Aug-16	26-Aug-16	05-Sep-16	11-Sep-16	16d											
P100230	IC checks & certifies Process Start up Plan		7d 27-Aug-16	02-Sep-16	12-Sep-16	18-Sep-16	16d											
P100240	Employer Consents to Process Start up Plan		0d	16-Sep-16		02-Oct-16	16d											
cess Commissionin	ng Plan		40d 03-Oct-16	18-Nov-16	14-Nov-16		35d											
P100250	Submission of Process Commissioning Plan		40d 03-Oct-16 5d 03-Oct-16	18-Nov-16 07-Oct-16	14-Nov-16 14-Nov-16		35d 29d											
P100260	IC checks & comments on Process Commissioning Plan		14d 08-Oct-16	21-Oct-16	21-Nov-16	04-Dec-16	44d											
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P100300	Submission of Operation Plan		1d 21-Jun-16	21-Jun-16	07-Oct-16	07-Oct-16	76d											
	IC checks & comments on Operation Plan		14d 22-Jun-16	05-Jul-16	08-Oct-16	21-Oct-16	108d											
P100320	Revise & resubmit Operation Plan		7d 06-Jul-16	12-Jul-16	22-Oct-16	28-Oct-16	108d											
P100330	IC checks & certifies Operation Plan		7d 13-Jul-16	19-Jul-16	29-Oct-16	04-Nov-16	108d											
P100340	Employer Consents to Operation Plan		0d	02-Aug-16		18-Nov-16	108d											
nt Commissioning P	Plan		41d 07-Nov-16	23-Dec-16	28-Nov-16		16d											
P100350	Submission of Plant Commissioning Plan		41d 07-Nov-16 5d 07-Nov-16	23-Dec-16 11-Nov-16	28-Nov-16 28-Nov-16	15-Jan-17 02-Dec-16	16d 15d											
	IC checks & comments on Plant Commissioning Plan		14d 12-Nov-16	25-Nov-16	05-Dec-16		23d											
	Revise & resubmit Plant Commissioning Plan		7d 26-Nov-16	02-Dec-16	19-Dec-16		23d											
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P100400	Submission of draft Operation and Maintenance Manual (SPE-A Clause 1.16.1.1)		0d 15-Dec-16		18-Jan-17		21d											
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Contract Programme for the Design and Construction Works (v1.4)

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KD100340 Start I KD100350 End D E ESTABLISHMENT SE100110 Start G SE100120 Subm	t Date of Possession of Portion 3 Date of Possession of Portion 3 (to be extended)	0d 18-Dec-1	07-Oct-16	11-100-10		197d											•
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SE100120 Subm	WORKS	231d 18-Dec-1	4 30-Sep-15	16-Jan-15	19-Nov-15	41d								[
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	t of Site Establishment Works	0d 18-Dec-1		16-Jan-15		22d	•	Start of Site Es									
	nit record photographs of Site & vicinity to ER & IC	6d 19-Dec-1	27-Dec-14	16-May-15	22-May-15	116d			Su	bmit record	1 photogra	aphs of Site & v	icinity to El	R&IC			
SE100130 Subm	nit General Arrangement of Site Establishment	12d 19-Dec-1	05-Jan-15	17-Jan-15	30-Jan-15	22d		Submit Ger	eral Arrangement of	Site Establi	ishment						
SE100140 IC cer	ertifies & ER consents to General Arrangement of Site Establishment	Od	12-Jan-15		06-Feb-15	22d		LC certifie	s & ER consents tp	General Arr	angement	of Site Establ	shment				
SE100150 Start	t of Site Establishment	0d 19-Jan-18	,	02-Mar-15		33d		Sta	rt of Site Establishme	ent							
SE100160 Trees	survey (Excluding Natural Terrain)	12d 19-Dec-1	4 05-Jan-15	31-Jan-15	13-Feb-15	34d		Tree su	rvey (Excluding Natu	ıral Terrain))						
SE100170 Project	ect Signboard	18d 03-Feb-1	26-Feb-15	02-May-15	22-May-15	68d			Pr	oject Signb	oard	+					
SE100180 Gene	eral Works of Site Establishment	24d 20-Jan-1	16-Feb-15	11-Jun-15	10-Jul-15	113d				(General W	/orks of Site E	stablishme	nt			
SE100190 Site C	Clearance	26d 12-Jan-1	10-Feb-15	06-Feb-15	11-Mar-15	22d			ite Clearance								
SE100200 Hoard	rding, Fencing, Gates & Lighting	34d 31-Jan-1	14-Mar-15	02-Mar-15	14-Apr-15	22d			Hoarding, Fe	encind. Gat	tes & Liaht	ina					
SE100210 Demo	olition of Concrete Pavement	110d 21-May-1	5 30-Sep-15	11-Jul-15	19-Nov-15	41d				a)				emolitic	n of Conc	crete Pa	aveme
SE100220 Emplo	loyer Representative Officer's & IC Accommodation at P3	51d 18-Feb-1	25-Apr-15	19-Mar-15	22-May-15	22d			En En			ve Officer,'s & I		ļ			
	tractor's Accommodation at P3	51d 18-Feb-1		19-Mar-15	22-May-15	22d						dation at P3					
	ision of Survey Equipment & Computer Facilities	48d 25-Feb-1		23-Mar-15	· · · · · · · · · · · · · · · · · · ·	22d			<u> </u>			uipment & Com	puter Eaci	litios			
	rision of Land Transport for ER	26d 09-Feb-1		22-Apr-15		55d							puter raci	lues			
	upletion of Site Establishment Works	0d	25-Apr-15	22,00,10	22-May-15	22d						sport for ER					
				22-Apr-15		28d						blishment Wor					
	all Type II Sheet Pile forming solid fence of 3m high along boundary facing the Siu Ho Wan Water Tre-									Ĩ		forming solid			-		-
	mit Tree preservation, transplanting and felling proposal to LandsD and EPD (Excl. Natural Terrain)	21d 06-Jan-1		14-Feb-15	13-Mar-15	34d			Submit Tree preserv	ation, trans							
	nation of access to Natural Terrain (if required)	6d 27-Jun-1		12-Aug-15	18-Aug-15	38d						Formation of a			Ì	- É	
	s survey (Natural Terrain - if required)	12d 06-Jul-15	18-Jul-15	19-Aug-15		38d						Tree surve		1			
SE100320 Subm	nit Tree preservation, transplanting and felling proposal to LandsD and EPD (Natural Terrain - if requ		15-Aug-15	02-Sep-15		38d						Sut	bmit Tree p	reservat	ion, trans	planting	and
SIGN PREPARATION		246d 20-Nov-1			22-Dec-15 11-Mar-15	78d											
sign Criteria Submissi	sion (DCS)	73d 20-Nov-1 73d 20-Nov-1		20-Nov-14 20-Nov-14		17d 17d											
DD100110	ann 8 autorit Danim Cataria Cadas 6 Olive to the 10 ED 8 E	73d 20-Nov-1	16-Feb-15	20-Nov-14	11-Mar-15	17d											
	are & submit Design Criteria, Codes & Standards to IC, ER & Employer	37d 20-Nov-1		20-Nov-14		0d		<u></u>	nit Design Criteria, C				oyer				
	hecks & comments on Design Criteria Submission	14d 15-Jan-1		15-Jan-15	28-Jan-15	0d			comments on Desig								
	ise & resubmit Design Criteria to IC, ER & Employer	7d 29-Jan-1		29-Jan-15	04-Feb-15	0d			resubmit Design Cirit			ayer					
	hecks & certifies Design Criteria Submission	7d 05-Feb-1		05-Feb-15		0d		IC chec	ks & certifies Design	Criteria Su	omission						
DP100150 Subm	nit Design Criteria Check Certificate to Employer & ER	Od	16-Feb-15		11-Mar-15	15d		•	Submit Design Criteri	a Check Ce	ertificate to	Employer & E	R				
sign Consolidation - P	Process Layout	7d 20-Nov-1		20-Nov-14 20-Nov-14		b0 Dd								l			
		7d 20-Nov-1 7d 20-Nov-1	4 28-Nov-14			0d 0d											
	rall Process Layout	7d 20-Nov-1	4 28-Nov-14	20-Nov-14	28-Nov-14	0d	- Overa	I Process Layout									
DP100170 JV Pr	Process Layout Plan	7d 20-Nov-1	28-Nov-14	20-Nov-14	28-Nov-14	0d	JV Pr	cess Layout Plan									
OP100180 Organ	anic Waste Treatment Systems Layout	7d 20-Nov-1	4 28-Nov-14	20-Nov-14	28-Nov-14	0d	Orgar	c Waste Treatment S	ystems Layout								
DP100190 Bioga	as Process Layout	7d 20-Nov-1	28-Nov-14	20-Nov-14	28-Nov-14	0d	Bioga	Process Layout									
DP100200 Waste	tewater Process Layout	7d 20-Nov-1	4 28-Nov-14	20-Nov-14	28-Nov-14	0d	H Waste	water Process Layou	t								

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P100600 Fieldwork (In P100610 Preliminary F P100620 Final Fieldwork	onsents to GI Plan	Od	05-Jan-1		05-Jan-15	0d	ER Consents to GI Plan										
P100600 Fieldwork (In P100610 Preliminary F P100620 Final Fieldwork	zation and Appointment of GI Sub-Contractor	21d 20-Nov-14	13-Dec-1	4 04-Dec-14	4 30-Dec-14	12d	Mobilization and Appointment o	f GI Sub-Contractor									
P100610 Preliminary F P100620 Final Fieldwo	vork (Including Predrilling and works at Natrual Terrain Unit 4)	35d 06-Jan-15	14-Feb-1	5 06-Jan-15	5 14-Feb-15	0d			at Natrual Terrain Unit	4)							
P100620 Final Fieldwo	inary Fieldwork Report for AD Tanks Piling Design	3d 20-Jan-15	22-Jan-1	5 20-Jan-15	5 22-Jan-15	0d	Preliminary Fieldwork Re										
P100655 Fieldwork (N	Fieldwork Report and Geotechnical Interpretative Report	8d 16-Feb-15				32d			Geotechnical Interpreta	ative Report							
	vork (Natural Terrain - if required)	8d 17-Aug-15	25-Aug-1	5 02-Oct-15	5 10-Oct-15	38d				eldwork (Natura	I Terrain - if req	uined)					
Load Test		39d 06-Jan-15			5 02-Jun-15	79d						······					
	vation for Plate Load Test	39d 06-Jan-15 31d 06-Jan-15	23-Feb-1	5 17-Feb-15	5 02-Jun-15	79d 36d		tion for Plate Land T									
		6d 09-Jan-15				36d		tion for Plate Load Test									
		6d 16-Jan-15				36d		platform and equipmen									
	Loading platform and equipment for Plate Loat Test	6d 23-Jan-15				36d	······································	ate Load Test PLT6~8 (ļ								
	out Plate Load Test PLT6~8 (Bldg # 2)	6d 30-Jan-15			5 23-Mar-15	36d		Plate Ldad Test PLT9~1									
	-out Plate Load Test PLT6~8 (Bldg # 2) -out Plate Load Test PLT9~11 (Bldg # 1)	6d 06-Feb-15				36d		t Plate Load Test PLT2									
	-out Plate Load Test PLT6-8 (Bldg # 2) -out Plate Load Test PLT9-11 (Bldg # 1) -out Plate Load Test PLT2, 3, & 5 (Bldg #3)	ou vo-reb-15			5 30-Mar-15	36d		out Plate Load Test PLT									
riepare Pfell	-out Plate Load Test PLT6~8 (Bldg # 2) -out Plate Load Test PLT9~11 (Bldg # 1) -out Plate Load Test PLT2, 3, & 5 (Bldg #3) -out Plate Load Test PLT1 & 4 (Bldg #3)	24 22 Int 45	24-Jan-1		5 i i fividi = 15	300	Prepare Pre	liminary Report for PLT	o~d (Blag # 2)								
	-out Plate Load Test PLT6-8 (Bldg # 2) -out Plate Load Test PLT9-11 (Bldg # 1) -out Plate Load Test PLT2, 3, & 5 (Bldg #3)	2d 23-Jan-15															
ct:OWTF1_v1.4Final WS-OSC-00-0-TM-00	-out Plate Load Test PLT6-8 (Bldg # 2) -out Plate Load Test PLT9-11 (Bldg # 1) -out Plate Load Test PLT2, 3, & 5 (Bldg #3) -out Plate Load Test PLT1 & 4 (Bldg #3) re Preliminary Report for PLT6-8 (Bldg # 2)	Activity Float Bar										1			ge 6 of 27		02-Sep-15

environmenta	Il Protection Department	C	Contract	No. EP/	SP/61/1	10	
of the HKSAR		Organic V		reatmen	t Facili	ties Pha	Se 1 OSCAR Bioenergy Joint Venture Co
ivity ID	Activity Name	Original Early Start Duration	Early Finish	Late Start	Late Finish	Total Float	2015 2016 / Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct
DP100730	Prepare Preliminary Report for PLT9~11 (Bldg #1)	2d 30-Jan-15	31-Jan-15	25-Apr-15	27-Apr-15	66d	Prepare Preliminary Report for PLT9-11 (Bidg #1)
DP100740	Prepare Preliminary Report for PLT2, 3, & 5 (Bldg #3)	2d 06-Feb-15	07-Feb-15	01-Jun-15	02-Jun-15	89d	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	36d	Prepare Preliminary Report for PLT184 (Bldg #3)
DP100760	Issue Formal Report for Plate Load Test	4d 16-Feb-15	23-Feb-15	02-Apr-15	10-Apr-15	36d	Issue Formal Report for Plate Load Test
	mental Permit (VEP)	111d 14-Apr-15	18-Sep-15	16-Jul-15	22-Dec-15	64d	
Environmental Revi Air Quality Impact	iew Report (ERR) Assessment (AQIA)	85d 14-Apr-15 45d 14-Apr-15	13-Aug-15 17-Jun-15	16-Jul-15 16-Jul-15	16-Nov-15 16-Sep-15	64d 64d	
DP100770	Forecast of 2031 traffic data	30d 14-Apr-15	27-May-15	16-Jul-15	26-Aug-15	64d	Forecast of 2031 traffic data
DP100780	Air dispersion modelling	45d 14-Apr-15	17-Jun-15	16-Jul-15	16-Sep-15	64d	Air dispersion modelling
	al Impact Assessment (LVIA)	45d 14-Apr-15	17-Jun-15	16-Jul-15	16-Sep-15	64d 64d	
DP100790	Update photomontages	45d 14-Apr-15	17-Jun-15	16-Jul-15	16-Sep-15		Update photomontages
Environmental Rev DP100800	View Report (ERR) Prepare & submit ERR to EPD for informal review	40d 18-Jun-15 20d 18-Jun-15	13-Aug-15 16-Jul-15	17-Sep-15 17-Sep-15	16-Nov-15 16-Oct-15	64d 64d	Prepare & submit ERR to EPD for informal review;
DP100810	EPD to issue administrative comments on ERR	Od	13-Aug-15		16-Nov-15	64d	EPD to issue administrative comments on ERR
Variation Environme	ental Permit (VEP)	26d 14-Aug-15	18-Sep-15	17-Nov-15	22-Dec-15	64d	
DP100820	Revise ERR and submit VEP to Director of EPD	26d 14-Aug-15 5d 14-Aug-15	18-Sep-15 20-Aug-15	17-Nov-15 17-Nov-15	22-Dec-15 23-Nov-15	64d 64d	
				17-100-15			Revise ERR and submit VEP to Director of EPD
DP100830	EPD issue VEP	0d	18-Sep-15		22-Dec-15	64d	• EPD issue VEP
	GN SUBMISSION (DDS) - GENERAL, CIVIL, ABWF AND LANDSCAPE	347d 19-Dec-14 347d 19-Dec-14	23-Feb-16 23-Feb-16	19-Dec-14 19-Dec-14	28-Sep-16	178d	
Overall Design General Building Pla	ans Design	178d 19-Dec-14	30-Jul-15		27-Aug-15	24d	
DD101000	Prepare & submit General Buiding Plans to Stat Authorities/ Government, IC, ER & Employer	178d 19-Dec-14 105d 19-Dec-14	30-Jul-15 28-May-15	19-Dec-14 19-Dec-14	27-Aug-15 28-May-15	24d 0d	
DD101000				19-Dec-14	-	00 b0	Prepare & submit Genéral Buiding Plans to Stat Authorities/ Government, IC, ER & Employer
	General Building Plans endorsed by Stat Authorities/ Government	0d	17-Jun-15		17-Jun-15		Ceneral Building Plans endorsed by Stat Authorities/ Government
DD101040	Submit General Building Plans to IC, ER & Employer	Od	18-Jun-15		18-Jun-15	0d	Submit General Building Plans to IC, ER & Employer
DD101060	IC checks & comments on General Building Plans	14d 19-Jun-15	02-Jul-15	19-Jun-15	02-Jul-15	0d	IC checks & commerits on Géneral 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	0d	Revise & resubmit Ģeneral Building Plans to IC, ER & Employer
DD101100	IC checks & certifies General Building Plans	7d 10-Jul-15	16-Jul-15	10-Jul-15	16-Jul-15	0d	IC checks & certifies General Building Plans
DD101120	Employer consents to General Building Plans	0d	30-Jul-15		27-Aug-15	28d	Employer consents to General Building Plans
Fire Safety Strategy	y Report	188d 19-Dec-14 188d 19-Dec-14	11-Aug-15 11-Aug-15	08-Jan-15 08-Jan-15	27-Aug-15 27-Aug-15	14d 14d	
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	11d	Prepare & submit Detailed Design of Fire Safety Strategy Report to Stat Authorities/ Government, IC, ER & Employer
DD102115	Comment from FSD	Od	30-Mar-15		17-Apr-15	11d	Comment from F\$D
DD102120	Prepare & Re-submit Fire Safety Strategy Report to FSD	40d 31-Mar-15	01-Jun-15	20-Apr-15	16-Jun-15	11d	Prepare & Re-submit Fire Safety Strategy Report to FSD
DD102130	Liaison with FSD for Agreement of EVA	60d 31-Mar-15	29-Jun-15	20-Apr-15	15-Jul-15	11d	Liģison with FSD for Agreement of EVA
DD102140	Detailed Design of Fire Safety Strategy Report Approved by FSD	Od	29-Jun-15		15-Jul-15	11d	Detailed Design of Fire Safety Strategy Report Approved by FSD
DD102180	Submit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer	Od	30-Jun-15		16-Jul-15	11d	Submit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer
DD102200	IC checks & comments on Detailed Design of Fire Safety Strategy Report	14d 01-Jul-15	14-Jul-15	17-Jul-15	30-Jul-15	16d	IC checks & comments on Detailed Design of Fire Safety Strategy Report
DD102220	Revise & resubmit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer	7d 15-Jul-15	21-Jul-15	31-Jul-15	06-Aug-15	16d	Revise & resubmit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer
DD102240	IC checks & certifies Detailed Design of Fire Safety Strategy Report	7d 22-Jul-15	28-Jul-15	07-Aug-15	13-Aug-15	16d	Lickecks & certifies Detailed Design of File Safety Strategy Report
DD102260	Employer consents to Detailed Design of Fire Safety Strategy Report	0d	11-Aug-15		27-Aug-15	16d	 Employer consents to Detailed Design of Fire Safety Strategy Report
Layout Drawings		48d 23-Mar-15	03-Jun-15	24-Jun-15	31-Aug-15	62d	
		48d 23-Mar-15	03-Jun-15	24-Jun-15	31-Aug-15	62d	
DD120010	Prepare & submit Site Wide Layout Drawings for ArchSD Comment	48d 23-Mar-15	03-Jun-15	24-Jun-15	31-Aug-15	62d	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	62d	Prepare & submit Architectural Layout:Drawings of Building #2 for ArchSD Comment
DD120030	Prepare & submit Architectural Layout Drawings of Building #1 for ArchSD Comment	48d 23-Mar-15	03-Jun-15	24-Jun-15	31-Aug-15	62d	Prepare & submit Architectural Layout Drawings of Building #1 for ArchSD Comment
DD120040	Prepare & submit Architectural Layout Drawings of Building #3 for ArchSD Comment	48d 23-Mar-15	03-Jun-15	24-Jun-15	31-Aug-15	62d	Prepare & submit Architectural Layout Drawings of Building #3 for ArchSD Comment
Geotechnical Desig	gn including Natural Terrain Hazard Mitigation works	303d 12-Feb-15 91d 12-Feb-15	23-Feb-16 08-Jun-15	25-Feb-15 25-Feb-15	28-Sep-16 27-Jul-15	178d 40d	
DD101140	Prepare & submit Geotechnical Interpretative Report to GEO	30d 12-Feb-15	27-Mar-15	25-Feb-15	10-Apr-15	7d	Prepare & submit Geotechnical Interpretative Report to GEO
DD101160	GEO - Comment on Geotechnical Interpretative Report	0d	24-Apr-15		08-May-15	9d	GEO - Comment on Geotechnical Interpretative Report
DD101180	Submit Geotechnical Interpretative Report to IC, ER & Employer	0d	27-Apr-15		15-Jun-15	33d	Submit Géotechniçal 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	49d	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	49d	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	49d	□ IC checks & certifies Geotechnical Interpretative Report
DD101260	Employer consents to Geotechnical Interpretative Report	Od	08-Jun-15		27-Jul-15	49d	Employer consents to Geotechnical Interpretative Report
Natural Terrain Ha	zard Mitigation	147d 26-Aug-15	23-Feb-16	12-Oct-15	28-Sep-16	178d	
DD101280	Prepare & submit NTH Assessment Study report to GEO	30d 26-Aug-15	08-Oct-15	12-Oct-15	23-Nov-15	31d	Prepare & submit NTH Assessment Study report to GEO
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Project:OWTF1	_v1.4Final Activity	Float Bar					Page 7 of 2
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D	Activity Name				Late Finish	Total	2015 2016 2017
DD101300	GEO - Approval of NTH Assessment Study report		05-Nov-15		21-Dec-15	32d	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 M GEO - Approval-lof NTH Assessment Study report
D101320	Prepare & submit Design of NTH Mitigation works to GEO	20d 06-Nov-15	03-Dec-15	22-Dec-15	20-Jan-16	32d	Prepare & submit Design of NTH Mitigation works to GEO
DD101330	Prepare & submit NTH Mitigation Method of Construction	20d 04-Dec-15	04-Jan-16	18-Aug-16	14-Sep-16	173d	Prepare & submit NTH Mitigation Method of C
DD101335	IC checks & certifies Method of Construction of NTH Mitigation Design	14d 05-Jan-16	18-Jan-16	15-Sep-16	28-Sep-16	254d	IC checks & certifies Method of Construct
DD101340	GEO - Approval of NTH Mitigation Design	Od	04-Jan-16		24-Jun-16	116d	GEO - Approval of NTH Mitigation Design
DD101360	Submit NTH Mitigation Design to IC, ER & Employer	Od	05-Jan-16		27-Jun-16	116d	Submit/NTH Mitigation Design to IC, ER & Employer
DD101380	IC checks & comments on NTH Mitigation Design	14d 06-Jan-16	19-Jan-16	11-Aug-16	24-Aug-16	218d	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,
DD101420	IC checks & certifies NTH Mitigation Design	14d 27-Jan-16	09-Feb-16	01-Sep-16	14-Sep-16	218d	IC checks' & certifies NTH'Mitigatión Design
DD101440	Employer consents to NTH Mitigation Design	Od	23-Feb-16		28-Sep-16	218d	Employer consents to NTH Mitigation Des
an-made Slope		88d 06-Nov-15	23-Feb-16	22-Dec-15	28-Sep-16	178d	
DD101460	Prepare & submit Design of Manmade Slope to GEO					32d	Prepare & submit Design of Manmade Slope to GEO
DD101470	Prepare & submit Manmade Slope Method of Construction	20d 04-Dec-15	04-Jan-16	18-Aug-16	14-Sep-16	173d	Prepare & submit Manmade Slope Method of
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	IC checks & certifies Method of Construct
DD101480	GEO - Approval of Manmade Slope Design	Od	04-Jan-16		22-Feb-16	32d	GEO - Approval of Manmade Sippe 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
DD101520	IC checks & comments on Manmade Slope Design	14d 06-Jan-16	19-Jan-16	24-Feb-16	08-Mar-16	49d	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	49d	Revise & resubmit Manmade Slope Design to IC, Employer & ER
DD101560	IC checks & certifies Manmade Slope Design	14d 27-Jan-16	09-Feb-16	16-Mar-16	29-Mar-16	49d	C chęcks & certifies Manmade Slope Design
DD101580	Employer consents to Manmade Slope Design	Od	23-Feb-16		12-Apr-16	49d	Employer oonsents to Manmade Slope Design
aste Receiving,	, Pre-treatment & Administration Building #1	181d 21-Apr-15	25-Nov-15	28-Apr-15	04-May-16	127d	
aft Footing and Su	Ibstructure Design	· · · ·		28-Apr-15 28-Apr-15	18-Aug-15 18-Aug-15	29d 29d	
DD111000	Prepare & submit Detailed Substructure Design of Bldg #1 to IC, ER & Employer			28-Apr-15	10-Jun-15	5d	Prépare & submit Detailed Substructure Design of Bldg #1 to IC, ER & Employer
DD111010	Prepare & submit Method of Construction for Substructure of Bldg #1	30d 21-Apr-15	03-Jun-15	23-Jun-15	04-Aug-15	43d	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	17-Jun-15	05-Aug-15	18-Aug-15	62d	IC checks & certifies Method of Construction of 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	34d	C checks & comments on Detailed Substructure Design of Bldg #1
DD111040	Revise & resubmit Detailed Substructure Design of Bldg #1 to IC, Employer & ER	7d 18-Jun-15	24-Jun-15	22-Jul-15	28-Jul-15	34d	Revise & resubmit Detailed Substructure Design of Bldg #1 to IC, Employer & ER
DD111060	IC checks & certifies Detailed Substructure Design of Bldg #1	7d 25-Jun-15	01-Jul-15	29-Jul-15	04-Aug-15	34d	IC checks & certifies Detailed Substructure Design of Bldg #1
DD111080	Employer consents to Detailed Substructure Design of Bldg #1	Od	15-Jul-15		18-Aug-15	34d	Employer, consents to Defailed Substructure Design of Bldg #1
uperstructure Des	ign	74d 04-Jun-15	31-Aug-15	11-Jun-15	04-Oct-15	27d	
DD111100	Prepare & submit Detailed Superstructure Design of Bldg #1 to IC, ER & Employer	74d 04-Jun-15 32d 04-Jun-15	31-Aug-15 20-Jul-15	11-Jun-15 11-Jun-15	04-Oct-15 27-Jul-15	27d 5d	Prepare & submit Detailed Superstructure Design of Bløg #1 to [C, ER & Employer
DD111110	Prepare & submit Method of Construction for Superstructure of Bldg #1			06-Aug-15	18-Sep-15	44d	Prepare & submit Method of Construction for Superstructure of Bidg #1
DD111115	IC checks & certifies Method of Construction of Detailed Superstructure Design of Bldg #1			21-Sep-15		62d	IC checks & certifies/Method of Construction of Detailed Superstructure Design of Bidg #1
DD111120	IC checks & comments on Detailed Superstructure Design of Bldg #1		-	24-Aug-15		34d	IC checks & comments on Detailed Superstructure Design of Bldg #1
DD111120	Revise & resubmit Detailed Superstructure Design of Bldg #1 to IC, Employer & ER			07-Sep-15	13-Sep-15	34d	Révise & resubmit Detailed Superstructure Design of Bidg #1 to IC; Employer & ER:
DD111160	IC checks & certifies Detailed Superstructure Design of Bidg #1			14-Sep-15		34d	
DD111180	Employer consents to Detailed Superstructure Design of Bidg #1		31-Aug-15	14-3ep-15	04-Oct-15	34d	C checks & certifies Detailed Superstructure Design of Bildg #1
eelwork Design	Linpoyer consents to betailed Superstitucture besign of blog #1			22-Sep-15	04-May-16	127d	Employer consents to Detailed Superstructure Design of Bldg #1
Building #1 Roof St				22-Sep-15	30-Dec-15	56d	
DD111200	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	45d	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					65d	Přepare & submit/Method'of Construction'for Bldg #1 Roof - Structural Steelwork
DD111215	IC checks & certifies Method of Construction of Bldg #1 Roof - Structural Steelwork		25-Sep-15		30-Dec-15	96d	IC checks & certifies Method of Construction of Bidg #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	68d	IC checks & commerits on Detailed Design of Bldg #1 Roof - \$tructural Steetwork
DD111240	Revise & resubmit Detailed Design of Bldg #1 Roof - Structural Steelwork to IC, Employer & ER	7d 26-Sep-15	02-Oct-15	03-Dec-15	09-Dec-15	68d	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	68d	IC checks & certifies Detailed Design of Bjdg #1 Roof - Structural Steelwork
DD111280	Employer consents to Detailed Design of Bldg #1 Roof - Structural Steelwork	0d	23-Oct-15		30-Dec-15	68d	Employer consents to Detailed Design of Bldg #1 Root - Structural Steetwork
APC Stack DD311300	Prepare & submit Detailed CAPC Stack - Steel Support Design to IC, ER & Employer			28-Jan-16 28-Jan-16	04-May-16 01-Mar-16	127d 93d	Drange & submit Data ind CADC Start. Start Support Data to 10 ED 8 Employee
DD311300	Prepare & submit Detailed CAPC Stack - Steel Support Design to R, Er & Employer Prepare & submit Method of Construction for CAPC Stack - Steel Support			18-Mar-16		126d	Prepare & submit Detailed CAPC Stack - Steel Support Design to IC, ER & Employer
							Prepare & submit Method of Construction for CAPC Stack - Steel Support
DD311315	IC checks & certifies Method of Construction of CAPC Stack - Steel Support				04-May-16	189d	IC checks & certifies Method of Construction of CAPC Stack - Steel Support
DD311320	IC checks & comments on Detailed CAPC Stack - Steel Support Design			02-Mar-16		139d	IC checks & comments on Detailed CAPC Stack - Steel Support Design
DD311340	Revise & resubmit Detailed CAPC Stack - Steel Support Design to IC, Employer & ER		04-Nov-15		22-Mar-16	139d	Revise & resubmit Detailed CAPC Stack - Steel Support Design to IC, Employer & ER
DD311360	IC checks & certifies Detailed CAPC Stack - Steel Support Design	7d 05-Nov-15	11-Nov-15	23-Mar-16	29-Mar-16	139d	IC chęcks & certifies Ďetailed ÇAPC Stack - Steel Support Design

DD311380 E mposting & Matur aft Footing and Substr DD211000 F	Activity Name Employer consents to Detailed CAPC Stack - Steel Support Design	Original Duration	Early Finish			Total	al 2015
mposting & Matur aft Footing and Substr DD211000 F							
aft Footing and Substi		Od	25-Nov-15		12-Apr-16	139d	Nov Dec Jan Feb Mai Api May Jun Jun Aug Sep Oct Nov Dec Jan Feb Mai
DD211000 F	ration Building #2	189d 12-Mar-15	30-Oct-15	12-Mar-15	06-Nov-15	6d	
	tructure Design	57d 12-Mar-15 57d 12-Mar-15	22-May-15 22-May-15	12-Mar-15 12-Mar-15	22-May-15 22-May-15	DO Dd	
D211010	Prepare & submit Detailed Substructure Design of Bldg #2 to IC, ER & Employer	19d 12-Mar-15	10-Apr-15	12-Mar-15	10-Apr-15	0d 0d	
JD211010 F	Prepare & submit Method of Construction for Substructure of Bldg #2	19d 12-Mar-15	10-Apr-15	13-Apr-15	08-May-15	19d	d Prepare & submit Method of Construction for Substructure of Bldg #2
DD211015 I	IC checks & certifies Method of Construction of Substructure Design of Bldg #2	14d 11-Apr-15	24-Apr-15	09-May-15	22-May-15	28d	d IC checks & certifies Method of Construction of Substructure Design of Bldg #2
DD211020	IC checks & comments on Detailed Substructure Design of Bldg #2	14d 11-Apr-15	24-Apr-15	11-Apr-15	24-Apr-15	0d	d
DD211040 F	Revise & resubmit Detailed Substructure Design of Bldg #2 to IC, Employer & ER	7d 25-Apr-15	01-May-15	25-Apr-15	01-May-15	0d	d Revise & resubmit Detailed Substructure Design of Bldg #2 to IC, Employer & ER
DD211060	IC checks & certifies Detailed Substructure Design of Bldg #2	7d 02-May-15	08-May-15	02-May-15	08-May-15	0d	d
DD211080 E	Employer consents to Detailed Substructure Design of Bldg #2	Od	22-May-15		22-May-15	0d	
perstructure Design		61d 21-Jul-15	30-Sep-15	28-Jul-15	06-Nov-15	30d	
		61d 21-Jul-15	30-Sep-15	28-Jul-15	06-Nov-15	30d 5d	
	Prepare & submit Detailed Superstructure Design of Bldg #2 to IC, ER & Employer	22d 21-Jul-15	19-Aug-15	28-Jul-15	26-Aug-15		
	Prepare & submit Method of Construction for Superstructure of Bldg #2	22d 21-Jul-15	19-Aug-15	21-Sep-15	23-Oct-15	44d	
	IC checks & certifies Method of Construction of Superstructure Design of Bldg #2	14d 20-Aug-15	02-Sep-15	24-Oct-15	06-Nov-15	65d	
	IC checks & comments on Detailed Superstructure Design of Bldg #2	14d 20-Aug-15	02-Sep-15	26-Sep-15	09-Oct-15	37d	
	Revise & resubmit Detailed Superstructure Design of Bldg #2 to IC, Employer & ER	7d 03-Sep-15	09-Sep-15	10-Oct-15	16-Oct-15	37d	
DD211160 I	IC checks & certifies Detailed Superstructure Design of Bldg #2	7d 10-Sep-15	16-Sep-15	17-Oct-15	23-Oct-15	37d	d C checks & certifies Detailed Superstru
DD211180 E	Employer consents to Detailed Superstructure Design of Bldg #2	0d	30-Sep-15		06-Nov-15	37d	d Employer consents to Detailed Supe
eelwork Design ink Bridge Steelwork		59d 20-Aug-15 59d 20-Aug-15	30-Oct-15 30-Oct-15	27-Aug-15 27-Aug-15	06-Nov-15 06-Nov-15	6d 6d	
-	Prepare & submit Detailed Link Bridge Steelwork Design of Bldg #2 to IC, ER & Employer	22d 20-Aug-15	18-Sep-15	27-Aug-15	25-Sep-15	5d	
DD211210 F	Prepare & submit Method of Construction for Bldg #2 Link Bridge Steelwork	22d 20-Aug-15	18-Sep-15	21-Sep-15	23-Oct-15	22d	d Preparej & submit Method of Constructio
DD211215 I	IC checks & certifies Method of Construction of Link Bridge Steelwork Design of Bldg #2	14d 19-Sep-15	02-Oct-15	24-Oct-15	06-Nov-15	35d	d IC checks & certifies Method of Con
DD211220	IC checks & comments on Detailed Link Bridge Steelwork Design of Bldg #2	14d 19-Sep-15	02-Oct-15	26-Sep-15	09-Oct-15	7d	d IC checks & comments on Detailed Link Brit
DD211240 F	Revise & resubmit Detailed Link Bridge Steelwork Design of Bldg #2 to IC, Employer & ER	7d 03-Oct-15	09-Oct-15	10-Oct-15	16-Oct-15	7d	d Revise & resubmit Detailed Link Bridge St
DD211260	IC checks & certifies Detailed Link Bridge Steelwork Design of Bldg #2	7d 10-Oct-15	16-Oct-15	17-Oct-15	23-Oct-15	7d	
DD211280 E	Employer consents to Detailed Link Bridge Steelwork Design of Bldg #2	Od	30-Oct-15		06-Nov-15	7d	
xiliary Buildings &		211d 10-Feb-15	29-Oct-15	10-Feb-15	17-Feb-16	89d	
ing Foundation Desig		117d 10-Feb-15	08-Jul-15	10-Feb-15	17-Feb-16	183d	
DD311000 F	Prepare & submit Detailed Piling Design of AD Tank to IC, ER & Employer	117d 10-Feb-15 34d 10-Feb-15	08-Jul-15 31-Mar-15	10-Feb-15 10-Feb-15	17-Feb-16 31-Mar-15	183d 0d	
	Prepare & submit Detailed Piling Design of CAPCS Stack to IC, ER & Employer	34d 10-Feb-15	31-Mar-15	10-Feb-15	31-Mar-15	0d	
	Prepare & submit Detailed Piling Design of Ammonia Stripper to IC, ER & Employer	70d 10-Feb-15	27-May-15	16-Feb-15	02-Jun-15	4d	d Prepare & submit Detailed Piling Design of Ammonia Stripper to IC, ER & Empl
	Prepare & submit Method of Construction for Piling of AD Tank & CAPCS Stack	34d 10-Feb-15	31-Mar-15	09-Mar-15	28-Apr-15	17d	
	IC checks & certifies Method of Construction of Piling Design of AD Tank & CAPCS Stack	14d 01-Apr-15	14-Apr-15	29-Apr-15	12-May-15	28d	
	IC checks & comments on Detailed Piling Design of AD Tank & CAPCS Stack	14d 01-Apr-15	14-Apr-15	01-Apr-15	14-Apr-15	200 0d	
	Revise & resubmit Detailed Piling Design of AD Tank & CAPCS Stack					0d 0d	
		7d 15-Apr-15	21-Apr-15	15-Apr-15	21-Apr-15		
	IC checks & certifies Detailed Piling Design of AD Tank & CAPCS Stack	7d 22-Apr-15	28-Apr-15	22-Apr-15	28-Apr-15	0d	
	Employer consents to Detailed Piling Design of AD Tank & CAPCS Stack	0d	12-May-15	10.5	12-May-15	0d	
	Prepare & submit Method of Construction for Piling of Ammonia Stripper	34d 08-Apr-15	27-May-15	16-Dec-15	03-Feb-16	174d	
	IC checks & certifies Method of Construction of Piling Design of Ammonia Stripper	14d 28-May-15	10-Jun-15	04-Feb-16	17-Feb-16	252d	
	IC checks & comments on Detailed Piling Design of Ammonia Stripper	14d 28-May-15	10-Jun-15	07-Jan-16	20-Jan-16	224d	d IC checks & con
DD311086 F	Revise & resubmit Detailed Piling Design of Ammonia Stripper to IC, Employer & ER	7d 11-Jun-15	17-Jun-15	21-Jan-16	27-Jan-16	224d	d Revise & result
DD311088 I	IC checks & certifies Detailed Piling Design of Ammonia Stripper	7d 18-Jun-15	24-Jun-15	28-Jan-16	03-Feb-16	224d	d Cchecks &
DD311090 E	Employer consents to Detailed Piling Design of Ammonia Stripper	Od	08-Jul-15		17-Feb-16	224d	d Employer
e Cap and Substruct	ture Design	75d 03-Jun-15	31-Aug-15	03-Jun-15	31-Aug-15	0d 0d	
DD311095 F	Prepare & submit Detailed Pile Cap Design of AD Tank, CAPCS Stack & Ammonia Stripper to IC, ER & Employer	75d 03-Jun-15 33d 03-Jun-15	31-Aug-15 20-Jul-15	03-Jun-15 03-Jun-15	31-Aug-15 20-Jul-15	0d 0d	d Prepare & submit Detailed Pile Cap Design of AD Tank, CAPCS S
DD311100 F	Prepare & submit Detailed Substructure Design of Energy Centre to IC, ER & Employer	33d 03-Jun-15	20-Jul-15	03-Jun-15	20-Jul-15	0d	
DD311105 F	Prepare & submit Detailed Substructure Design of Biogas Cleaning & Storage Tank to IC, ER & Employer	33d 03-Jun-15	20-Jul-15	03-Jun-15	20-Jul-15	0d	
DD311110 F	Prepare & submit Detailed Substructure Design of Desulphorization/Biogas Plant Rm. to IC, ER & Employer	33d 03-Jun-15	20-Jul-15	03-Jun-15	20-Jul-15	0d	
	Prepare & submit Detailed Substructure Design of Desulphurization Tank to IC, ER & Employer	33d 03-Jun-15	20-Jul-15	03-Jun-15	20-Jul-15	0d	
	Prepare & submit Detailed Substructure Design of Deseigner Lander and the region of the submit Detailed Substructure Design of Weighbridge to IC, ER & Employer	33d 03-Jun-15	20-Jul-15	03-Jun-15	20-Jul-15	0d D0	
	Prepare & submit Method of Construction for Pile Cap & Substructure of Bldg #3	33d 03-Jun-15	20-Jul-15	02-Jul-15	17-Aug-15	20d	
				02.001.10		200	Prepare & submittimentodor Construction for Pile Cap & S

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

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Environmental Protection Department of the HKSAR			Contract N					Contract Programme for the Desig
in ID	Activity Name	Organic V Original Early Start			t Facilit	ies Ph	ase 1	OSCAR Bioenergy Joint Venture
ity ID		Duration	Early Finish	Late Start	Late Finish	Float	Nov Dec Jan Feb Mar Apr	r May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb
DD311119	IC checks & certifies Method of Construction of Pile Cap & Substructure Design of Bldg & Fa	acilities #3 14d 21-Jul-15	03-Aug-15	18-Aug-15	31-Aug-15	28d		IC checks & certifies Method of Construction of Pile Cap & Substructure Design of Bldp & 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	0d		IC checks & comments on Detailed Pile Cap & Substructure Design of Bldg & Facilities #3
DD311140	Revise & resubmit Detailed Pile Cap & Substructure Design of Bldg & Facilities #3 to IC, Emp	bloyer & ER 7d 04-Aug-15	10-Aug-15	04-Aug-15	10-Aug-15	0d		Revise & resubmit Detailed:Pile Cap & Substructure Design of Bldg & Facilities #3 to IC, Employer & ER
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	0d		IC checks & certifies Detailed Pile Cap & Substructure Design of Bldg & Facilities #3
DD311180	Employer consents to Detailed Pile Cap & Substructure Design of Bldg & Facilities #3	Od	31-Aug-15		31-Aug-15	0d		Employer consents to Detailed Pile Cap & Sutistructure Design of Bldg & Facilities #3
Superstructure Desi	gn	58d 20-Aug-15	29-Oct-15	08-Oct-15	18-Dec-15 18-Dec-15	43d 43d		
DD311200	Prepare & submit Detailed Supertructure Design of Energy Centre to IC, ER & Employer	58d 20-Aug-15 21d 20-Aug-15	29-Oct-15 17-Sep-15	08-Oct-15 08-Oct-15	06-Nov-15	33d		Prepare & submit Detailed Supertructure Design of Energy Gentre to IC, ER & Employer
DD311205	Prepare & submit Detailed Supertructure Design of Weighbridge to IC, ER & Employer	21d 20-Aug-15	17-Sep-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	21d 20-Aug-15	17-Sep-15	08-Oct-15	06-Nov-15	33d		Prepare & submit Detailed Supertructure Design of Gate House to IC, ER & Employer
DD311215	Prepare & submit Detailed Supertructure Design of AD Tanks & Bund Wall to IC, ER & Emplo	oyer 21d 20-Aug-15	17-Sep-15	08-Oct-15	06-Nov-15	33d		Prepare & submit Detailed Supertructure Design of AD Tanks & Bund Wall to IC, ER & Employer
DD311218	Prepare & submit Method of Construction for Superstructure of Bldg #3	21d 20-Aug-15	17-Sep-15	06-Nov-15	04-Dec-15	53d		Prepare & submit Method of Construction for Superstructure of Bidg #3
DD311219	IC checks & certifies Method of Construction of Superstructure Design of Bldg & Facilities #3	3 14d 18-Sep-15	01-Oct-15	05-Dec-15	18-Dec-15	78d	-	I¢ checks & certifies Method of Çonstrucțion 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		50d		C checks & comments on Detailed Superstructure Design of Bidg & Facilities #3
DD311240	Revise & resubmit Detailed Superstructure Design of Bldg & Facilities #3 to IC, Employer & E	ER 7d 02-Oct-15	08-Oct-15	21-Nov-15	27-Nov-15	50d		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		50d		IC checks & pertifies Detailed Superstructure Design of Bidg & Facilities #3
DD311280	Employer consents to Detailed Superstructure Design of Bidg & Facilities #3	0d	29-Oct-15		18-Dec-15	50d		Employer/conserts to Detailed Superstructure Design of Bidg & Facilities #3
External Civil Eng		184d 27-Apr-15	04-Dec-15	11-May-15		504		
	e System and Rising Main and Section 2- Storm Drain	106d 27-Apr-15	01-Sep-15	11-May-15	05-Oct-15	27d		
DD411000	Prepare & submit Detailed Civil Design of external works (Section 1 & 2) to EPD & DSD	106d 27-Apr-15 38d 27-Apr-15	01-Sep-15 19-Jun-15	11-May-15 11-May-15	05-Oct-15 03-Jul-15	27d 9d		Prepare & submit Detailed Civil Design of external works (Section 1 & 2) to EPD & DSD
DD411010	Prepare & submit Method of Construction for External Works (Section 1 & 2)	25d 16-Jun-15	21-Jul-15	18-Aug-15	21-Sep-15	44d		
DD411015	IC checks & certifies Method of Construction of External Works (Section 1 & 2)	14d 22-Jul-15	04-Aug-15	22-Sep-15		62d		Prepare & submit Methodi of Conistruction for External Works (Section 1 & 2)
			-	22-Sep-15		620		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	Od	21-Jul-15		05-Aug-15	11d		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	34d		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	7d 05-Aug-15	11-Aug-15	08-Sep-15		34d		Revise & resubmit Detailed Design of External Works (Section 1 & 2) to IC, Employer & ER
DD411080	IC checks & certifies Detailed Civil Design of External Works (Section 1 & 2)	7d 12-Aug-15	18-Aug-15	15-Sep-15	21-Sep-15	34d		C checks & certifies Detailed Civil Design of External Works (Section 1 & 2)
DD411100	Employer consents to Detailed Civil Design of External Works (Section 1 & 2)	Od	01-Sep-15		05-Oct-15	34d		Employer consents to Detailed Civil Design of External Works (Section 1 & 2)
Section 3- Street Fire	e Hydrant and Section 4- Water Supply	84d 27-Apr-15 84d 27-Apr-15	06-Aug-15 06-Aug-15	11-May-15 11-May-15	05-Oct-15 05-Oct-15	49d		
DD411120	Prepare & submit Detailed Civil Design of external works (Section 3 & 4) to WSD	21d 27-Apr-15	27-May-15	11-May-15	09-Jun-15	9d		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	61d		Prepare & submit Method of Construction for External Works (Section 3 & 4)
DD411135	IC checks & certifies Method of Construction of External Works (Section 3 & 4)	14d 26-Jun-15	09-Jul-15	22-Sep-15	05-Oct-15	88d	-	IC checks & certifies Method of Construction of External Works (Section 3 & 4)
DD411140	Submit Detailed Design of External Works (Section 3 & 4) to IC, Employer & ER	Od	25-Jun-15		24-Aug-15	41d		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)	14d 26-Jun-15	09-Jul-15	25-Aug-15	07-Sep-15	60d		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	60d		Revise & resubmit Detailed Design of External Works (Section 3 & 4) to IC, Employer & ER
DD411200	IC checks & certifies Detailed Civil Design of External Works (Section 3 & 4)	7d 17-Jul-15	23-Jul-15	15-Sep-15	21-Sep-15	60d		C checks & certifies Detailed Civil Design of External Wbrks (Section 3 & 4)
DD411220	Employer consents to Detailed Civil Design of External Works (Section 3 & 4)	Od	06-Aug-15		05-Oct-15	60d		Employer consents to Detailed Civil Design of External Works (Section 3 & 4)
Section 5- Road, Pav	ving, Road Marking, Section 6- Ext. Lighting, Section 7 Fencing, Gate, Perm. Signboard	109d 28-Jul-15	04-Dec-15	10-Aug-15	21-Dec-15	14d		
DD411240	Prepare & submit Detailed Civil Design of external works (Section 5 ,6, 7) to Hyd & TD	109d 28-Jul-15	04-Dec-15 24-Sep-15	10-Aug-15	21-Dec-15 09-Oct-15	14d		
DD411240	Prepare & submit Detailed Civil Design of external works (Section 5,6, 7) Prepare & submit Method of Construction for External Works (Section 5,6, 7)	43d 28-Jul-15 25d 16-Sep-15	23-Oct-15	10-Aug-15 03-Nov-15		31d		Prepare & submit Detailed Civil Design of external works (Section 5,6,7) to "Hyd & TD
						45d		Prepare & sjubmit Method of Construction for 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	450		IC checks & certifies Method of Construction of External Works (Section 5 , 6, 7)
DD411260	Submit Detailed Design of External Works (Section 5,6,7) to IC, Employer & ER	Od	23-Oct-15		09-Nov-15	11d		Submit Detailed Design of External Works (Section 5 ,6, 7) to IC, Employer & ER
DD411280	IC checks & comments on Detailed Design of External Works (Section 5 ,6, 7)	14d 24-Oct-15	06-Nov-15	10-Nov-15		17d		C 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		13-Nov-15	24-Nov-15		17d		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	17d		IC checks & certifies Detailed Civil Design of External Works (Section 5 ,6, 7)
DD411340	Employer consents to Detailed Civil Design of External Works (Section 5 ,6, 7)	Od	04-Dec-15		21-Dec-15	17d		Employer consents to Detailed Civil Design of External Works (Section 5, 6, 7)
Sub & Superstructur	e - Boundary Wall	87d 12-Aug-15 87d 12-Aug-15	24-Nov-15 24-Nov-15	27-Oct-15 27-Oct-15	04-Feb-16 04-Feb-16	59d 59d		
DD411360	Prepare & submit Detailed Civil Design of external works (Sub & Superstructure - Boundary V		13-Oct-15	27-Oct-15	24-Dec-15	590 51d		Prepare & submit Detailed Civil Design of external works (Sub & Superstructure - Boundary Wall) to IC, Employe
DD411370	Prepare & submit Method of Construction for External Works (Sub & Superstructure - Bound	dary Wall) 25d 07-Sep-15	13-Oct-15	16-Dec-15	21-Jan-16	69d		Prepare & submit Method of Construction for External Works (Sub & Superstructure - Boundary Wall)
DD411375	IC checks & certifies Method of Construction of External Works (Sub & Superstructure - Bou	undary Wall) 14d 14-Oct-15	27-Oct-15	22-Jan-16	04-Feb-16	100d		IC checks & certifies Method of Construction of External Works (Sub & Superstructure - Boundary W
DD411380	IC checks & comments on Detailed Design of External Works (Sub & Superstructure - Boun	· · ·	27-Oct-15	25-Dec-15		72d		IC checks & comments on Detailed Design of External Works (Sub & Superstructure - Boundary Wall)
DD411400	Revise & resubmit Detailed Design of External Works (Sub & Superstructure - Boundary Wa		03-Nov-15	08-Jan-16	14-Jan-16	72d		Révise & result de Comminue on estance pesign of External Works (Sub & Superstructure - Boundary Wall) to IÇ, Empk
DD411420	IC checks & certifies Detailed Civil Design of External Works (Sub & Superstructure - Bound				21-Jan-16	72d		Kevise & lesubining Detailed Design of External Works (Sub & Superstructure - Boundary Wall)
								to theurs a certifies betaled own bestign of External works (Sub a Superstructure - Boundary Wall)
	v1.4Final	Activity Float Bar						Page 10 of 27 print: 02-Sep-

ne HKSAR	(Contract Programme for the Design a Construction Works (
		Organic				ies Phase	21		OSCAR	Bioene	ergy Joint	Venture						
Activity Name		Original Early Start Duration	Early Finish	Late Start	Late Finish	Total Float Nov	Dec Jan Feb Mar	2015 Apr May Jun	5 Jul Aug Ser	p Oct	Nov Dec	Jan Feb Ma	r Apr May	2016 Jun Ju	ul Aug	Sep Oct	Nov Dec	Jan Feb
0411440 Employer consents to De	tailed Civil Design of External Works (Sub & Superstructure - Boundary Wall)	0d	24-Nov-15		04-Feb-16	72d					•	Employer	consents to Detaile	d Civil Desig	n of Extern	al Works (Sub	& Superstructur	re - Boundary W
tectural, Building Works & Finishes		94d 02-Jul-15 86d 02-Jul-15	22-Oct-15 12-Oct-15	29-Sep-15 09-Oct-15	14-Feb-16 04-Feb-16	92d 95d												
ng #1 (Waste Receiving, Pre-treatment & /		86d 02-Jul-15	12-Oct-15	09-Oct-15	04-Feb-16	95d 95d												
	d Design of Bldg.#1 ABWF to IC, ER & Employer	43d 02-Jul-15	31-Aug-15	09-Oct-15		69d					Prepa	are & submit Detaile	d Design of Bldg.#1	ABWF to IC	, ER & Emp	loyer		
	I of Construction for Bldg.#1 ABWF	25d 28-Jul-15	31-Aug-15	16-Dec-15	21-Jan-16	98d			·····			Prepare & su	bmit Method of Con	struction for	Bldg.#1 ABV	VF		
	hod 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 Construc	tion of Bldg.	‡1 ABWF		
	n Detailed Design of Bldg.#1 ABWF	14d 01-Sep-15	14-Sep-15	25-Dec-15	07-Jan-16	115d						IC checks & con	ments on Detailed	Design of Blo	.lg.#1 ABWF			
	ed Design of Bldg.#1 ABWF to IC, Employer & ER	7d 15-Sep-15		08-Jan-16	14-Jan-16	115d			4	<u> </u>		 Revise & result 	mit Detailed Design	of Bldg.#1 A	BWF to IC,	Employer & El	۲	
	ailed Design of Bldg.#1 ABWF	7d 22-Sep-15		15-Jan-16		115d				•		IC checks &	certifies Detailed De	sign of Bldg	#1 ABWF			
	tailed Design of Bldg.#1 ABWF	Od	12-Oct-15		04-Feb-16	115d				•		Employer	consents to Detaile	d Design of	3ldģ.#1 ABV	/F		
ng #2 (Composting & Maturation Building)		86d 02-Jul-15 86d 02-Jul-15	12-Oct-15 12-Oct-15	29-Sep-15 29-Sep-15	11-Jan-16 11-Jan-16	74d 74d												
121100 Prepare & submit Detaile	d Design of Bldg.#2 ABWF to IC, ER & Employer	43d 02-Jul-15	31-Aug-15	29-Sep-15	30-Nov-15	62d		-			Prepare	& submit Detailed	Design of Bldg.#2 A	BWF to IC, E	R & Emplo	<i>i</i> er		
121110 Prepare & submit Method	l of Construction for Bldg.#2 ABWF	25d 28-Jul-15	31-Aug-15	23-Nov-15	28-Dec-15	81d						Prepare & submit N	ethod of Construct	on for Bldg.#	2 ABWF			
121115 IC checks & certifies Met	hod of Construction of Bldg.#2 ABWF	14d 01-Sep-15	14-Sep-15	29-Dec-15	11-Jan-16	119d						 IC checks & ce 	tifies Method of Co	nstruction of	Bldg.#2 AB	NF		
121120 IC checks & comments of	n Detailed Design of Bldg.#2 ABW F	14d 01-Sep-15	14-Sep-15	01-Dec-15	14-Dec-15	91d			—		IC c	hecks & comments	on Detailed Design	of Bldg.#2 A	'BWF			
121140 Revise & resubmit Detail	ed Design of Bldg.#2 ABWF to IC, Employer & ER	7d 15-Sep-15	21-Sep-15	15-Dec-15	21-Dec-15	91d				++	Re	evise & resubmit De	tailed Design of Bld	g.#2 ABW F	to IC, Emplo	yer & ER		
121160 IC checks & certifies Det	ailed Design of Bldg.#2 ABWF	7d 22-Sep-15	28-Sep-15	22-Dec-15	28-Dec-15	91d			ſ	•		C checks & certifie	s Detailed Design o	f Bldg.#2 AB	WF			
121180 Employer consents to De	tailed Design of Bldg.#2 ABWF	0d	12-Oct-15		11-Jan-16	91d				•		 Employer conse 	nts to Detailed Des	ign of Bldg.#	2 ABWF			
ng #3 (Auxiliary Buildings & Facilities)		84d 14-Jul-15 84d 14-Jul-15	22-Oct-15 22-Oct-15	09-Oct-15 09-Oct-15	14-Feb-16 14-Feb-16	92d	l											
122100 Prepare & submit Detaile	d Design of Bldg.#3 ABWF to IC, ER & Employer	43d 14-Jul-15	10-Sep-15	09-Oct-15	09-Dec-15	61d					Prepa	are & submit Detaile	d Design of Bldg.#3	ABWF to IC	, ER & Emr	loyer		
122110 Prepare & submit Method	of Construction for Bldg.#3 ABWF	25d 07-Aug-15	10-Sep-15	24-Dec-15	29-Jan-16	96d						Prepare &	ubmit Method of C	onstruction f	or Bildg.#3 A	BWF		
IZ2115 IC checks & certifies Met	hod of Construction of Bldg.#3 ABWF	14d 11-Sep-15	24-Sep-15	01-Feb-16	14-Feb-16	143d			-	•		IC che	cks & certifies Meth	od of Constr	ruction of Bl	lg.#3 ABW F		
IZ2120 IC checks & comments of	n Detailed Design of Bldg.#3 ABWF	14d 11-Sep-15	24-Sep-15	04-Jan-16	17-Jan-16	115d			-	•		 IC checks & c 	omments on Detaile	d Design of	Bldg.#3 AB	NF		
122140 Revise & resubmit Detail	ed Design of Bldg.#3 ABWF to IC, Employer & ER	7d 25-Sep-15	01-Oct-15	18-Jan-16	24-Jan-16	115d				-		Revise & res	ubmit Detailed Des	ign of Bldg.#	≠3 ABWF to	IC, Employer	3 ER	
122160 IC checks & certifies Det	ailed Design of Bldg.#3 ABWF	7d 02-Oct-15	08-Oct-15	25-Jan-16	31-Jan-16	115d				•		IC checks	& certifies Detailed	Design of B	ldg.#3 ABW	F		
122180 Employer consents to De	tailed Design of Bldg.#3 ABWF	Od	22-Oct-15		14-Feb-16	115d				◆		Employ	er consents to Det	ailed Design	of Bldg.#3	BWF		
or Fitting-out Works		75d 04-Sep-15	03-Dec-15	03-Dec-15	12-Apr-16	102d												
		75d 04-Sep-15 75d 04-Sep-15	03-Dec-15 03-Dec-15	03-Dec-15 03-Dec-15	12-Apr-16 12-Apr-16	102d 102d												
120200 Prepare & submit Detaile	d Interior Fitting-out Design to IC, ER & Employer	32d 04-Sep-15		03-Dec-15		61d			-	 +		Prepare & sul	omit Detailed Interio	r Fitting-out I	Design to IC	, ER & Employ	er	
120210 Prepare & submit Method	of Construction for Interior Fitting-out	25d 15-Sep-15	22-Oct-15	22-Feb-16	29-Mar-16	106d			•	- +			 Prepate & subi 	mit Method c	f Construct	on for Interior	Fitting-out	
120215 IC checks & certifies Met	hod of Construction of Interior Fitting-out	14d 23-Oct-15	05-Nov-15	30-Mar-16	12-Apr-16	159d				-			IC checks	& certifies M	ethod of Co	struction of Ir	nterior Fitting-out	t i
IZ0220 IC checks & comments of	n Detailed Interior Fitting-out Design	14d 23-Oct-15	05-Nov-15	20-Jan-16	02-Feb-16	89d				-		1 1	& comments on De	etailed Interio	r Fitting-ou	Design		
120240 Revise & resubmit Detail	ed Fitting-out Design to IC, Employer & ER	7d 06-Nov-15	12-Nov-15	03-Feb-16	09-Feb-16	89d				1	•		resubmit Detailed	Fitting-out D	esign to IC,	Employer & Er	٢	
120260 IC checks & certifies Det	ailed Interior Fitting-out Design	7d 13-Nov-15	19-Nov-15	10-Feb-16	16-Feb-16	89d					•	IC che	cks & certifies Deta	iled Interior	Fitting-out D	esign		
120280 Employer consents to De	tailed Interior Fitting-out Design	0d	03-Dec-15		01-Mar-16	89d					•	En	pldyer consents to	Detailed Inte	rior Fitting-r	ut Design		
nal Landscape Works and Building	#2 Green Roof	133d 22-Jun-15				229d												
		133d 22-Jun-15 133d 22-Jun-15	27-Nov-15 27-Nov-15	09-Nov-15 09-Nov-15	06-Sep-16 06-Sep-16	229d 229d												
Prepare & submit Detaile	d Design of Landscape and Building #2 Green Roof to EPD, LandsD, PlanD, ArchSD	32d 22-Jun-15	05-Aug-15	09-Nov-15		96d			— —	+	Pr	epare & submit De	ailed Design of Lan	dscape and	Building #2	Green Roof to	EPD, LandsD, F	PlanD, ArchSD
Prepare & submit Method	l of Construction for Landscape and Building #2 Green Roof	50d 06-Aug-15	16-Oct-15	14-Jun-16	23-Aug-16	210d				- +					<u>+</u>	Prepare & sub	mit Method of C	onstruction for L
IC checks & certifies Met	hod of Construction of Landscape and Building #2 Green Roof	14d 17-Oct-15	30-Oct-15	24-Aug-16	06-Sep-16	312d				-						 IC checks 	& certifies Meth	od of Construction
10220 Submit Detailed Design o	f Landscape and Building #2 Green Roof to IC, Employer & ER	0d	16-Oct-15		19-Jan-16	64d				•		Submit Detaile	d Design of Landso	ape and Bui	lding #2 Gri	en Roof to IC	Employer & ER	
410240 IC checks & comments of	n Detailed Design of Landscape and Building #2 Green Roof	14d 17-Oct-15	30-Oct-15	20-Jan-16	02-Feb-16	95d						IC checks	& comments on De	etailed Desig	n of Landsc	ape and Buildi	ng #2 Green Ro	of
410260 Revise & resubmit Detail	ed Design of Landscape and Building #2 Green Roof to IC, Employer & ER	7d 31-Oct-15	06-Nov-15	03-Feb-16	09-Feb-16	95d				-		Revise 8	resubmit Detailed	Design of La	ndscape ar	d Building #2	Green Roof to IC), Employer & EF
410280 IC checks & certifies Det	ailed Design of Landscape and Building #2 Green Roof	7d 07-Nov-15	13-Nov-15	10-Feb-16	16-Feb-16	95d						IC che	cks & certifies Deta	iled Design	of Landscar	e and Building	#2 Green Roof	
410300 Employer consents to De	tailed Design of Landscape and Building #2 Green Roof	0d	27-Nov-15		01-Mar-16	95d					•	En	player consents to	Detailed Des	sign of Land	scape and Bu	lding #2 Green I	Roof
	5) - ELECTRICAL AND MECHANICAL	251d 18-Dec-14		18-Dec-14	07-Sep-16	258d												
)P		5d 23-Mar-15		18-May-15		36d												
		5d 23-Mar-15 5d 23-Mar-15	27-Mar-15	18-May-15 18-May-15		36d 36d												
010050 HAZOP Analysis		5d 23-Mar-15	27-Mar-15	18-May-15	22-May-15	36d		HAZOP'Ar	nalysis									
e Receiving, Storage and Feeding S	System	153d 29-Dec-14		16-Jan-15		239d 239d												
		153d 29-Dec-14	08-Jul-15	16-Jan-15 16-Jan-15	27-Apr-16	239d 239d			: :	1 1	1	1 1	1 1 1	1	1		1 1	

he HKSAR				No. EP/			Contract Programme for the Design Construction Works					
D	Activity Name	Organic V Original Early Start	Vaste 1			ties Phas	Se 1 OSCAR Bioenergy Joint Venture 2016 2016 2016					
	Pourie Contraction Contraction Contraction	Duration	Larly Timon		Later mish	Float Nov	Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb					
110200	Prepare & make Waste Receiving Equipment & Performance Submission to IC, ER & Employer	19d 29-Dec-14	23-Jan-15	16-Jan-15	11-Feb-15	13d	Prepare & make Waste Receiving Equipment & Performance Submission to IC, ER & Employer					
110250	IC checks & comments on Waste Receiving, Storage & Feeding Equipment	14d 24-Jan-15	06-Feb-15	12-Feb-15	25-Feb-15	19d	IC checks & comments on Waste Receiving, Storage & Feeding Equipment					
110300	Revise & resubmit Waste Receiving, Storage & Feeding Equipment to IC, Employer & ER	7d 07-Feb-15	13-Feb-15	26-Feb-15	04-Mar-15	19d	Revise & resubmit Waste Receiving, Storage & Feeding Equipment to IC, Employer & ER					
110350	IC checks & certifies Waste Receiving, Storage and Feeding Equipment	7d 14-Feb-15	20-Feb-15	05-Mar-15	11-Mar-15	19d	IC checks & certifiés Waste Receiving, Storage and Feeding Equipment					
110400	Employer consents to Waste Receiving, Storage and Feeding Equipment	0d	06-Mar-15		25-Mar-15	19d	Employer consents to Waste Receiving; Storage and Feeding Equipment					
110450	Prepare & submit Detailed Design of Waste Receiving, Storage & Feeding System to IC, ER & Employer	33d 09-Apr-15	27-May-15	09-Jul-15	24-Aug-15	62d	Prepare & submit Detailed Design of Waste Receiving, Storage & Feeding System to IC, ER & Employer					
110460	Prepare & submit Method of Construction for Waste Receiving, Storage and Feeding System	25d 21-Apr-15	27-May-15	07-Mar-16	13-Apr-16	218d	Prepare & submit Method of Construction for Waste Receiving, Storage and Feedi					
110465	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	IC checks & certifies Method of Construction of Waste Receiving, Storage and					
110500	IC checks & comments on Detailed Design of Waste Receiving, Storage & Feeding System	14d 28-May-15	10-Jun-15	25-Aug-15	07-Sep-15	89d	IC ohecks & comments on Detailed Design of Waste Receiving, Storage & Feeding System					
110550	Revise & resubmit Detailed Design of Waste Receiving, Storage & Feeding System to IC, Employer & ER	7d 11-Jun-15	17-Jun-15	08-Sep-15	14-Sep-15	89d	Revise & resubmit Detailed Design of Waste Receiving, Storage & Feeding System to IC, Employer & ER					
110600	IC checks & certifies Waste Receiving, Storage and Feeding System	7d 18-Jun-15	24-Jun-15	15-Sep-15	21-Sep-15	89d	IC checks & certifies Waste Receiving, Storage and Feeding System					
110650	Employer consents to Waste Receiving, Storage and Feeding System	0d	08-Jul-15		05-Oct-15	89d	Employer consents to Waster Receiving, Storage and Feeding System					
reatment Sy		155d 08-Jan-15	20-Jul-15	15-Jan-15	05-May-16	235d						
		155d 08-Jan-15	20-Jul-15	15-Jan-15	05-May-16	235d						
120200	Prepare & make Pre-treatment Equipment & Performance Submission to IC, ER & Employer	155d 08-Jan-15 20d 08-Jan-15	20-Jul-15 04-Feb-15	15-Jan-15 15-Jan-15	05-May-16 11-Feb-15	235d 5d	Prepare & make Pre-treatment Equipment & Performance Submission to IC, ER & Employer					
20250	IC checks & comments on Pre-Treatment Equipment	14d 05-Feb-15	18-Feb-15	12-Feb-15	25-Feb-15	7d						
						74	C checks & comments on Pre-Treatment Equipment					
20300	Revise & resubmit Pre-Treatment Equipment IC, Employer & ER	7d 19-Feb-15	25-Feb-15	26-Feb-15	04-Mar-15	/a	Revise & resubmit Pfe-Treatment Equipment I/C, Employer & ER					
20350	IC checks & certifies Pre-treatment Equipment	7d 26-Feb-15	04-Mar-15	05-Mar-15		7d	C checks & certifies Pre-treatment Equipment					
120400	Employer consents to Pre-treatment Equipment	Od	18-Mar-15		25-Mar-15	7d	Employer consents to Pre-treatment Equipment					
120450	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	70d	Prepare & submit Detailed Design of Pre-treatment System to IC, ER & Employer					
120460	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					
120465	IC checks & certifies Method of Construction of Pre-treatment System	14d 09-Jun-15	22-Jun-15	22-Apr-16	05-May-16	318d	IC checks & certifies Method of Construction of Pre-treatment System					
120500	IC checks & comments on Detailed Design of Pre-Treatment System	14d 09-Jun-15	22-Jun-15	16-Sep-15	29-Sep-15	99d	IC checks & comments on Detailed Design of Pre-Treatment \$ystem					
120550	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	99d	Revise & resubmit Detailed Design of Pre-Treatment System to IC, Employer & ER					
120600	IC checks & certifies Detailed Design of Pre-treatment System	7d 30-Jun-15	06-Jul-15	07-Oct-15	13-Oct-15	99d	Cchecks & certifies Detailed Design of Pre-treatment System					
120650	Employer consents to Detailed Design of Pre-treatment System	0d	20-Jul-15		27-Oct-15	99d	Employer consents to Detailed Design of Pre-treatment System					
robic Digest	ion (AD) Treatment System	205d 09-Feb-15	20-Oct-15	10-Mar-15	28-Mar-16	127d						
		205d 09-Feb-15 205d 09-Feb-15	20-Oct-15 20-Oct-15	10-Mar-15 10-Mar-15	28-Mar-16 28-Mar-16	127d 127d						
130200	Prepare & make AD Equipment & Performance Submission to IC, ER & Employer	18d 09-Feb-15	06-Mar-15	10-Mar-15	02-Apr-15	19d	Prepare & make AD Equipment & Performance Submission to IC, ER & Employer					
30250	IC checks & comments on AD Equipment	14d 07-Mar-15	20-Mar-15	04-Apr-15	17-Apr-15	28d	IC checks & comments on AD Equipment					
130300	Revise & resubmit AD Equipment to IC, Employer & ER	7d 21-Mar-15	27-Mar-15	18-Apr-15	24-Apr-15	28d	Revise & resubmit AD Equipment to IC, Employer & ER					
130350	IC checks & certifies AD Equipment	7d 28-Mar-15	03-Apr-15	25-Apr-15	01-May-15	28d	IC checks & certifies AD Equipment					
130400	Employer consents to AD Equipment	0d	17-Apr-15		15-May-15	28d	Employer consents to AD Equipment					
130450	Prepare & submit Detailed Design of AD Treatment System to IC, ER & Employer	39d 16-Jul-15	08-Sep-15	12-Aug-15	07-Oct-15	19d	Prepare & submit Detailed Design of AD Treatment System to IC, ER & Employer					
130460	Prepare & submit Method of Construction for AD Treatment System	25d 05-Aug-15	08-Sep-15	04-Feb-16	14-Mar-16	126d	Prepare & submit Method of Construction for AD Treatment System					
130465	IC checks & certifies Method of Construction of AD Treatment System	14d 09-Sep-15	22-Sep-15	15-Mar-16		188d						
							IC checks & cértifies Method of Construction of AD Treatment System					
130500	IC checks & comments on Detailed Design of AD treatment System	14d 09-Sep-15	22-Sep-15	08-Oct-15	21-Oct-15	29d	IC checks & comments on Detailed Design of AD treatment System					
130550	Revise & resubmit Detailed Design of AD Treatment System to IC, Employer & ER	7d 23-Sep-15	29-Sep-15	22-Oct-15	28-Oct-15	29d	Revise & resulumit Detailed Design of AD Treatment Sylstem to IC, Employer & ER					
130600	IC checks & certifies AD Treatment System	7d 30-Sep-15	06-Oct-15	29-Oct-15		29d	IC checks & certifies AD Treatment \$ystem					
130650	Employer consents to Detailed Design of AD Treatment System	Od	20-Oct-15		18-Nov-15	29d	Employer consents to Detailed Design of AD Treatment System					
s Cleaning,	Storage and Distribution System	152d 28-Jan-15	05-Aug-15	17-Feb-15		285d 285d						
		152d 28-Jan-15 152d 28-Jan-15	05-Aug-15 05-Aug-15	17-Feb-15 17-Feb-15	22-Jul-16 22-Jul-16	285d 285d						
140200	Prepare & make Biogas Equipment & Performance Submission to IC, ER & Employer	18d 28-Jan-15	24-Feb-15	17-Feb-15	16-Mar-15	14d	Prepare & make Biogas Equipment & Performance Submission to IC, ER & Employer					
	IC checks & comments on Biogas Cleaning & Storage Equipment	14d 25-Feb-15	10-Mar-15	17-Mar-15	30-Mar-15	20d	IC checks & comments on Biogas Cleaning & Storage Equipment					
40250	Revise & resubmit Biogas Cleaning & Storage Equipment to IC, Employer & ER	7d 11-Mar-15	17-Mar-15	31-Mar-15	06-Apr-15	20d	Revise & reșubmit Biogas Cleaning & Storage Equipment to (C, Employer & ER					
		7d 18-Mar-15	24-Mar-15	07-Apr-15	13-Apr-15	20d	IC;checks;& certifies Biogas Cleaning & Storage Equipment					
140250 140300 140350	IC checks & certifies Biogas Cleaning & Storage Equipment				27-Apr-15	20d	Employer consents to Biogas Gleaning & Storage Equipment					
140300	IC checks & certifies Biogas Cleaning & Storage Equipment Employer consents to Biogas Cleaning & Storage Equipment	Od Od	07-Apr-15		27-Apr-15							
140300			07-Apr-15 24-Jun-15	22-May-15		14d	Prepare & submit Detailed Design of Biogas System to IC, ER & Employer					
40300 40350 40400 40450	Employer consents to Biogas Cleaning & Storage Equipment	Od		22-May-15 02-Jun-16		14d 257d						
40300 40350 40400 40450 40460	Employer consents to Biogas Cleaning & Storage Equipment Prepare & submit Detailed Design of Biogas System to IC, ER & Employer	0d 37d 04-May-15	24-Jun-15		15-Jul-15		Prepare & submit Detailed Design of Biogas System to IC, ER & Employer					
140300 140350 140400	Employer consents to Biogas Cleaning & Storage Equipment Prepare & submit Detailed Design of Biogas System to IC, ER & Employer Prepare & submit Method of Construction for Biogas Cleaning & Storage System	0d 37d 04-May-15 25d 20-May-15	24-Jun-15 24-Jun-15	02-Jun-16	15-Jul-15 08-Jul-16	257d	Prepare & submit Detailed Design of Biogas System to IC, ER & Employer					

he HKSAR	R				No. EP/			
)	Activity Name		Organic V	Waste 1		Late Finish	ties Ph	nase 1 OSCAR Bioenergy Joint Venture
,			Duration	Larly Fillion	Late Start	Later mish	Float	Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Ma
DE140550	Revise & resubmit Detailed Design of Biogas System to IC, Employer & ER		7d 09-Jul-15	15-Jul-15	30-Jul-15	05-Aug-15	21d	Revise & resubmit Detailed Design of Biogas System to IC
DE140600	IC checks & certifies Biogas Cleaning & Storage System		7d 16-Jul-15	22-Jul-15	06-Aug-15	12-Aug-15	21d	Le checks & certifies Biogas Cleaning & Størage System
DE140650	Employer consents to Biogas Cleaning & Storage System		0d	05-Aug-15		26-Aug-15	21d	Employer consents to Biogas Cleaning & Storage Sy
mbined Heat I	Recovery and Power (CHP) Generation System		135d 15-Jan-15	03-Jul-15	15-Jan-15	03-Jul-16	296d	
			135d 15-Jan-15 135d 15-Jan-15	03-Jul-15 03-Jul-15	15-Jan-15 15-Jan-15	03-Jul-16 03-Jul-16	296d 296d	
DE150200	Prepare & make CHP Equipment & Performance Submission to IC, ER & Emp	loyer	12d 15-Jan-15	30-Jan-15	15-Jan-15	30-Jan-15	0d	Prepare & make CHP Equipment & Performance Submission to IC, ER & Employer
DE150250	IC checks & comments on CHP Equipment		14d 31-Jan-15	13-Feb-15	31-Jan-15	13-Feb-15	0d	IC checks & comments on CHP Equipment
DE150300	Revise & resubmit CHP Equipment to IC, Employer & ER		7d 14-Feb-15	20-Feb-15	14-Feb-15	20-Feb-15	0d	Revise & resubmit CHP Equipment to IC, Employer & ER
DE150350	IC checks & certifies CHP Equipment		7d 21-Feb-15	27-Feb-15	21-Feb-15	27-Feb-15	0d	IC chęcks & certifies CHP Equipment
DE150400	Employer consents to CHP Equipment		0d	13-Mar-15		13-Mar-15	Od	Employer consents to CHP Equipment
DE150450	Prepare & submit Detailed Design of CHP Generation System to IC, ER & Emp	bloyer	35d 31-Mar-15	22-May-15	31-Mar-15	22-May-15	0d	Prepare;& submit Detailed Design of CHP Generation System to [C, ER & Em
DE150460	Prepare & submit Method of Construction for CHP Generation System		25d 17-Apr-15	22-May-15	13-May-16	17-Jun-16	265d	
DE150465	IC checks & certifies Method of Construction of CHP Generation System		14d 23-May-15	05-Jun-15	20-Jun-16	03-Jul-16	394d	
DE150500	IC checks & comments on Detailed Design of CHP Generation System		14d 23-May-15	05-Jun-15	23-May-15		0d	IC checks & comments on Detailed Design of CHP Generation System
DE150550	Revise & resubmit Detailed Design of CHP Generation System to IC, Employe	r & ED	7d 06-Jun-15	12-Jun-15	06-Jun-15	12-Jun-15	0d	
								Revise & resubmit Detailed Design of CHP Generation System to IC, En
DE150600	IC checks & certifies CHP Generation System		7d 13-Jun-15	19-Jun-15	13-Jun-15	19-Jun-15	0d	IC checks & certifies CHP Generation System
DE150650	Employer consents to CHP Generation System		0d	03-Jul-15		03-Jul-15	0d	Employer consents to CHP Generation System
ntinuous Emis	ssion Monitoring System (CEMS)		160d 27-Feb-15 160d 27-Feb-15	10-Sep-15 10-Sep-15	04-Mar-15 04-Mar-15	15-May-16	197d	
			160d 27-Feb-15	10-Sep-15	04-Mar-15	15-May-16	197d	
DE180200	Prepare & make CEMS Equipment & Performance Submission to IC, ER & En	nployer	20d 27-Feb-15	26-Mar-15	04-Mar-15	31-Mar-15	3d	Prepare & make CEMIS Equipment & Performance Submission to IC, ER & Employer
DE180250	IC checks & comments on CEMS Equipment		14d 27-Mar-15	09-Apr-15	01-Apr-15	14-Apr-15	5d	IC checks & comments on CEMS Equipment
DE180300	Revise & resubmit CEMS Equipment to IC, Employer & ER		7d 10-Apr-15	16-Apr-15	15-Apr-15	21-Apr-15	5d	Revise & resubmit CEMS Equipment to IC, Employer & ER
DE180350	IC checks & certifies CEMS Equipment		7d 17-Apr-15	23-Apr-15	22-Apr-15	28-Apr-15	5d	L C checks & certifies CEMS Equipment
DE180400	Employer consents to CEMS Equipment		Od	07-May-15		12-May-15	5d	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	Od	Prepare & submit Detailed Design of CEMS to C, ER & Em
DE180460	Prepare & submit Method of Construction for CEMS		25d 25-Jun-15	30-Jul-15	23-Mar-16	29-Apr-16	185d	
DE180465	IC checks & certifies Method of Construction of CEMS		14d 31-Jul-15	13-Aug-15	02-May-16	15-May-16	276d	
DE180500	IC Checks & comments on Detailed Design of CEMS		14d 31-Jul-15	13-Aug-15	29-Oct-15	11-Nov-15	90d	IC Checks & comments or Detr
DE180550	Revise & resubmit Detailed Design of CEMS to IC, Employer & ER		7d 14-Aug-15	20-Aug-15	12-Nov-15	18-Nov-15	90d	Revise & resubmit Detailed Du
DE180600	IC checks & certifies CEMS		7d 21-Aug-15	27-Aug-15	19-Nov-15	25-Nov-15	90d	IC checks & certifies CEMS
DE180650	Employer consents to CEMS		Od	10-Sep-15		09-Dec-15	90d	Employer consents to C
			250d 19-Dec-14	26-Oct-15	19-Dec-14		258d	
Jesiale Dewal	tering System		250d 19 Dec-14	26-Oct-15	19 Dec-14		258d	
DE163200	Prepare & make Digestate Dewatering Equipment & Performance Submission	to IC ER & Employer	250d 19-Dec-14	26-Oct-15 14-Jan-15	19-Dec-14 19-Dec-14	07-Sep-16 14-Jan-15	258d 0d	
		to io, er a employer	16d 19-Dec-14					Prepare & make Digestate Dewatering Equipment & Performance Submission to IC, ER & Employer
DE163250	IC checks & comments on Digestate Dewatering Equipment		14d 15-Jan-15	28-Jan-15	15-Jan-15	28-Jan-15	0d	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	0d	Revise & resubmit Digestate Dewatering Equipment to IC, Employer & ER
DE163350	IC checks & certifies Digestate Dewatering Equipment		7d 05-Feb-15	11-Feb-15	05-Feb-15	11-Feb-15	0d	IC checks & certifies Digestate Dewatering Equipment
DE163400	Employer consents to Digestate Dewatering Equipment		0d	25-Feb-15		25-Feb-15	Od	Employer consents to Digestate Dewatering Equipment
DE163450	Prepare & submit Detailed Design of Digestate Dewatering System to IC, ER &	k Employer	34d 29-Jul-15	14-Sep-15	13-Nov-15	31-Dec-15	74d	Prepare & submit I
DE163500	Prepare & submit Method of Construction for Digestate Dewatering System		25d 11-Aug-15	14-Sep-15	21-Jul-16	24-Aug-16	233d	
DE163520	IC checks & certifies Method of Construction of Digestate Dewatering System		14d 15-Sep-15	28-Sep-15	25-Aug-16	07-Sep-16	345d	
DE163550	IC checks & comments on Detailed Design of Digestate Dewatering System		14d 15-Sep-15	28-Sep-15	01-Jan-16	14-Jan-16	108d	IC checks & co
DE163600	Revise & resubmit Detailed Design of Digestate Dewatering System to IC, Em	ployer & ER	7d 29-Sep-15	05-Oct-15	15-Jan-16	21-Jan-16	108d	Revise & res
DE163650	IC checks & certifies Digestate Dewatering System		7d 06-Oct-15	12-Oct-15	22-Jan-16	28-Jan-16	108d	IC checks
DE163700	Employer consents to Digestate Dewatering System		Od	26-Oct-15		11-Feb-16	108d	Етіріоу
	Maturation System		212d 19-Dec-14	08-Sep-15	19-Dec-14	30-May-16	212d	
pooring and			212d 19 Dec 14	08-Sep-15	19 Dec-14	· · ·	212d	
DE160200	Prepare & make Composting & Maturation Equipment & Performance Submiss	sion to IC. ER & Employer	212d 19-Dec-14 16d 19-Dec-14	08-Sep-15 14-Jan-15	19-Dec-14 19-Dec-14		212d 0d	Propage & make Composing & Maturation Environment & Deformance Cubication to 10 CD & Cubication
							0d	Prépare & make Composting & Maturation Equipment & Pérformance Submission to IC, ER & Employer
DE160250	IC checks & comments on Composting & Maturation Equipment		14d 15-Jan-15	28-Jan-15	15-Jan-15	28-Jan-15		IC checks & comments on Compositing & Maturation Equipment
DE160300	Revise & resubmit Composting & Maturation Equipment to IC, Employer & ER		7d 29-Jan-15	04-Feb-15	29-Jan-15	04-Feb-15	0d	Revise & resubmit Composting & Maturation Equipment to IC, Employer & ER
DE160350	IC checks & certifies Composting & Maturation Equipment		7d 05-Feb-15	11-Feb-15	05-Feb-15	11-Feb-15	Od	IC checks & certifies Composting & Maturation Equipment
DE160400	Employer consents to Composting & Maturation Equipment		0d	25-Feb-15		25-Feb-15	0d	Employer consents to Composting & Maturation Equipment
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	Contract Programme for the Design and Construction Works (v1.4) 2016 2017 ay Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr														
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)	Activity Name	Organic V Original Early Start	Naste 1	Late Start	Late Finish	1es Phas	Se 1 OSCAR Bioenergy Joint Venture
		Duration				Float Nov	v Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
DE160450	Prepare & submit Detailed Design of Compositing System to IC, ER & Employer	34d 10-Jun-15	28-Jul-15	21-Aug-15	09-Oct-15	51d	Prepare & Submit Detailed Design of Compositing
DE160460 DE160465	Prepare & submit Method of Construction for Composting System	25d 23-Jun-15 14d 29-Jul-15	28-Jul-15	11-Apr-16	16-May-16	197d 293d	
DE160500	IC checks & certifies Method of Construction of Composting System IC checks & comments on Detailed Design of Composting System	14d 29-Jul-15	11-Aug-15	17-May-16 12-Oct-15	30-May-16 25-Oct-15	75d	
DE160550	- · · · ·		11-Aug-15	26-Oct-15	01-Nov-15	75d	IC checks & comments on Detailed Design c
DE160600	Revise & resubmit Detailed Design of Composting System to IC, Employer & ER IC checks & certifies Composting System	7d 12-Aug-15 7d 19-Aug-15	18-Aug-15 25-Aug-15	02-Nov-15	01-Nov-15	75d	Revise & resubmit Detailed Design of Com
DE160650	Employer consents to Composting System	0d	08-Sep-15	02-1407-13	22-Nov-15	75d	IC checks & certifies Compositing System
		202d 19-Jan-15	23-Sep-15	29-Jan-15		171d	Employer consents to Compositing Sy
istewater Trea	atment System (WWTS)	202d 19-Jan-15	23-Sep-15 23-Sep-15	29-Jan-15 29-Jan-15	25-Apr-16	171d	
DE190200	Prepare & make WWTS Equipment & Performance Submission to IC, ER & Employer	202d 19-Jan-15 20d 19-Jan-15	23-Sep-15 13-Feb-15	29-Jan-15 29-Jan-15	25-Apr-16 27-Feb-15	171d 8d	Prepare & make WWTS Equipment & Performance Submission to IC, ER & Employer
DE190250	IC checks & comments on WWTS Equipment	14d 14-Feb-15	27-Feb-15	02-Mar-15	15-Mar-15	16d	IC checks & comments on WWT\$ Equipment
DE190300	Revise & resubmit WWTS Equipment to IC, Employer & ER	7d 28-Feb-15	06-Mar-15	16-Mar-15	22-Mar-15	16d	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	16d	Cchęcks & certifies WWTS Equipment
DE190400	Employer consents to WWTS Equipment	Od	27-Mar-15	20 mar 10	12-Apr-15	16d	Employer consents to WWTS Equipment
DE190450	Prepare & submit Detailed Design of WWTS to IC, ER & Employer	37d 22-Jun-15	12-Aug-15	22-Jun-15	12-Aug-15	0d	
DE190450	Prepare & submit Method of Construction for Wastewater Treatment System	25d 09-Jul-15	12-Aug-15	03-Mar-16	11-Apr-16	162d	Prépare & submit Detailed Design of WWTS to IC, ER & Employ
DE190465	IC checks & certifies Method of Construction of Wastewater Treatment System			12-Apr-16		243d	
	•	14d 13-Aug-15	26-Aug-15		25-Apr-16	40d	
DE190500	IC checks & comments on Detailed Design of WWTS Revise & resubmit Detailed Design of WWTS to IC, Employer & ER	14d 13-Aug-15	26-Aug-15	22-Sep-15	05-Oct-15	40d	IC checks & comments on Detailed Design of WW
DE190550 DE190600		7d 27-Aug-15 7d 03-Sep-15	02-Sep-15	06-Oct-15 13-Oct-15	12-Oct-15	400 40d	Revise & resubmit Detailed Design of WWTS to
	IC checks & certifies Wastewater Treatment System		09-Sep-15	13-001-15	19-Oct-15		IC checks & certifies Wastewater Treatment S
DE190650	Employer consents to Wastewater Treatment System	0d	23-Sep-15	10 5 - 11	02-Nov-15	40d	Employer consents to Wastewater Treatmu
ntralized Air P	ollution Control (CAPC) System	203d 18-Dec-14 203d 18-Dec-14	27-Aug-15 27-Aug-15	18-Dec-14 18-Dec-14	05-Jun-16 05-Jun-16	227d 227d	
DE170200	Prepare & make CAPC Equipment & Performance Submission to IC, ER & Employer	203d 18-Dec-14 17d 18-Dec-14	27-Aug-15 14-Jan-15	18-Dec-14 18-Dec-14	05-Jun-16 14-Jan-15	227d 0d	
DE170200	IC checks & comments on CAPC System Equipment	14d 15-Jan-15				0d	Prépare & make ÇAPC Equipment & Performance Submission to (C, ER & Employer
DE170230	Revise & resubmit CAPC System Equipment to IC, Employer & ER	7d 29-Jan-15	28-Jan-15 04-Feb-15	15-Jan-15 29-Jan-15	28-Jan-15 04-Feb-15	0d 0d	IC checks & comments on CAPC System Equipment
				05-Feb-15			Revise & reșubmit ÇAPC Sylstem Equipment to IC, Employer & ER
DE170350	IC checks & certifies CAPC System Equipment	7d 05-Feb-15	11-Feb-15	05-Feb-15	11-Feb-15	b0	IC;checks & certifies CAPC System Equipment
DE170400	Employer consents to CAPC System Equipment	0d	25-Feb-15	20 May 45	25-Feb-15	b0	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		b0	Prepare & Submit Detailed Design of CAPC System to IC, ER & Employ
DE170460	Prepare & submit Method of Construction for CAPC System	25d 11-Jun-15	16-Jul-15	15-Apr-16	20-May-16	209d	
DE170465	IC checks & certifies Method of Construction of CAPC System	14d 17-Jul-15	30-Jul-15	23-May-16	05-Jun-16	311d	
DE170500	IC checks & comments on Detailed Design of CAPC System	14d 17-Jul-15	30-Jul-15	22-Sep-15	05-Oct-15	67d	IC checks & comments on Detailed Design of CAF
DE170550	Revise & resubmit Detailed Design of CAPC System to IC, Employer & ER	7d 31-Jul-15	06-Aug-15	06-Oct-15	12-Oct-15	67d	Revise & resubmit Detailed Design of CAPC Sys
DE170600	IC checks & certifies CAPC System	7d 07-Aug-15	13-Aug-15	13-Oct-15	19-Oct-15	67d	IC checks & certifies CAPC System
DE170650	Employer consents to CAPC System	Od	27-Aug-15		02-Nov-15	67d	Employer consents to CAPC System
ectrical Systen	n and Accessories - Switchgear, LCP, Cable, Earthing, etc.	181d 09-Mar-15 181d 09-Mar-15	16-Oct-15 16-Oct-15	09-Mar-15 09-Mar-15	30-Dec-15 30-Dec-15	61d 61d	
		181d 09-Mar-15	16-Oct-15	09-Mar-15	30-Dec-15	61d	
DE200200	Prepare & make Elect. Equipment & Performance Submission to IC, ER & Employer	19d 09-Mar-15	02-Apr-15	09-Mar-15	02-Apr-15	0d	Prepare & make Elect. Equipment & Performance Submission to IC, ER & Employer
DE200250	IC checks & comments on Electrical System Equipment	14d 03-Apr-15	16-Apr-15	03-Apr-15	16-Apr-15	0d	IC checks & comments on Electrical System Equipment
DE200300	Revise & resubmit Electrical System Equipment to IC, Employer & ER	7d 17-Apr-15	23-Apr-15	17-Apr-15	23-Apr-15	0d	Revise β resubmit Electrical System Equipment to IC, Employer β ER
DE200350	IC checks & certifies Electrical System Equipment	7d 24-Apr-15	30-Apr-15	24-Apr-15	30-Apr-15	0d	Checks & certifies Electrical System Equipment
DE200400	Employer consents to Electrical System Equipment	Od	14-May-15		14-May-15	0d	Employer consents to Electrical System Equipment
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	0d	Prepare & submit Detailed Design of Electrical System to IC, E
DE200460	Prepare & submit Method of Construction for Electrical System	25d 20-Jul-15	21-Aug-15	12-Nov-15	16-Dec-15	80d	Ptepare & submit/Method/of Co
DE200465	IC checks & certifies Method of Construction of Electrical System	14d 22-Aug-15	04-Sep-15	17-Dec-15	30-Dec-15	117d	IC checks & certifies Metho
DE200500	IC checks & comments on Detailed Design of Electrical System	14d 22-Aug-15	04-Sep-15	05-Sep-15	18-Sep-15	14d	IC checks & contiments on Detailed Design of Electrica
DE200550	Revise & resubmit Detailed Design of Electrical System to IC, Employer & ER	7d 05-Sep-15	11-Sep-15	19-Sep-15	25-Sep-15	14d	Revise & resubmit Detailed Design of Electrical Syste
DE200600	IC checks & certifies Electrical System	7d 12-Sep-15	18-Sep-15	26-Sep-15	02-Oct-15	14d	IC checks & certifies Electrical System
DE200650	Employer consents to Electrical System	Od	16-Oct-15		16-Oct-15	0d	
trumentation,	Control and Monitoring System (SCADA/PLC)	166d 30-Mar-15	20-Oct-15	29-Jun-15	15-May-16	165d	
		166d 30-Mar-15 166d 30-Mar-15	20-Oct-15 20-Oct-15	29-Jun-15 29-Jun-15	15-May-16 15-May-16	165d 165d	
DE210200	Prepare & make SCADA/PLC Equipment & Performance Submission to IC, ER & Employer	17d 30-Mar-15	24-Apr-15	29-Jun-15	22-Jul-15	60d	Prepare & make SCADA/PLC Equipment & Performance Submission

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	IC che	cks & c	ertifies N	lethod o	f Const	uction	of Comp	osting S	ystem		
post	ng Syst	em					+				
g Sys	tem to I	C, Empl	pyer & E	R							
re & :	submit N	lethod o	f Constr	uction fr	or Waste	water	Treatmen	t Syster	h		
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	Activity Name	Origin Duratio	nal Early Start on	Early Finish	Late Start	Late Finish	Total Float Nov [Dec Jan Feb Mai	2015 ar Apr May Jun Ju	ul Aug Sep Oct Nov Dec Jan Feb Ma
210250	IC checks & comments on SCADA/PLC Equipment	14	4d 25-Apr-15	08-May-15	23-Jul-15	05-Aug-15	89d			IC checks & comments on SCADA/PLC Equipment
210300	Revise & resubmit SCADA/PLC Equipment to IC, Employer & ER	7	7d 09-May-15	15-May-15	06-Aug-15	12-Aug-15	89d		•	Revise & resubmit SCADA/PLC Equipment to IC, Emplo
210350	IC checks & certifies SCADA/PLC Equipment	7	7d 16-May-15	22-May-15	13-Aug-15	19-Aug-15	89d		•••••••••••••••••••••••••••••••••••••••	IC checks & certifies SCADA/PLC Equipment
210400	Employer consents to SCADA/PLC Equipment	(0d	05-Jun-15		02-Sep-15	89d		•	Employer consents to SCADA/PLC Equipment
210450	Prepare & submit Detailed Design of SCADA/PLC to IC, ER & Employer	39	9d 16-Jul-15	08-Sep-15	21-Sep-15	17-Nov-15	47d		г	Prepare & submit; Detailed Des
210460	Prepare & submit Method of Construction for SCADA/PLC System	25	5d 05-Aug-15	08-Sep-15	23-Mar-16	29-Apr-16	157d			
210465	IC checks & certifies Method of Construction of SCADA/PLC System	14	4d 09-Sep-15	22-Sep-15	02-May-16	15-May-16	236d			
210500	IC checks & comments on Detailed Design of SCADA/PLC System		4d 09-Sep-15	22-Sep-15	18-Nov-15	01-Dec-15	70d			IC checks & comments on
210550	Revise & resubmit Detailed Design of SCADA/PLC System to IC, Employer & ER		7d 23-Sep-15	29-Sep-15	02-Dec-15	08-Dec-15	70d			
210600	IC checks & certifies SCADA/PLC System		7d 30-Sep-15	06-Oct-15	09-Dec-15	15-Dec-15	70d			Revise & reșubmit Detai
	·				09-Dec-15					IC checks & certifies S
210650	Employer consents to SCADA/PLC System		Od	20-Oct-15		29-Dec-15	70d			Employer consents
anent Mobil	le Plants		3d 15-Jun-15 3d 15-Jun-15	21-Sep-15 21-Sep-15	23-Sep-15 23-Sep-15	03-Jan-16 03-Jan-16	83d 83d			
		83	3d 15-Jun-15	21-Sep-15	23-Sep-15	03-Jan-16	83d			
300200	Prepare & make Perm. Mobile Plants Equipment & Performance Submission to IC, ER		0d 15-Jun-15	10-Aug-15	23-Sep-15	20-Nov-15	71d			Prepare & make Perm. Mobile
300250	IC checks & comments on Permanent Mobile Plants		4d 11-Aug-15	24-Aug-15	23-Nov-15	06-Dec-15	104d			IC checks & comments o
300300	Revise & resubmit Permanent Mobile Plants to IC, Employer & ER	7	7d 25-Aug-15	31-Aug-15	07-Dec-15	13-Dec-15	104d			Revise & resubmit Per
300350	IC checks & certifies Permanent Mobile Plants	7	7d 01-Sep-15	07-Sep-15	14-Dec-15	20-Dec-15	104d			IC checks & certifies
300400	Employer consents to Permanent Mobile Plants	(0d	21-Sep-15		03-Jan-16	104d			Employer consen
ILED DESIG	GN SUBMISSION (DDS) - BUILDING SERVICES	190	0d 16-Mar-15	04-Nov-15	15-Apr-15	17-Apr-16	131d			
Fire Servic	ces Installations (FSI)		3d 18-Jun-15	21-Oct-15	15-Jul-15	17-Apr-16	143d			
			3d 18-Jun-15 3d 18-Jun-15	21-Oct-15 21-Oct-15	15-Jul-15 15-Jul-15	17-Apr-16 17-Apr-16	143d 143d			
110200	Prepare & submit Lift, Fire Safety, Dangerous Goods Application & FSI to FSD & EMSD	32	2d 18-Jun-15	03-Aug-15	15-Jul-15	27-Aug-15	18d			Prepare & submit Lift, Fire Safety, Dangerous Good
110210	Prepare & submit Method of Construction for Lift & FSI	27	7d 04-Aug-15	09-Sep-15	23-Feb-16	01-Apr-16	137d			
10220	IC checks & certifies Method of Construction of Lift & FSI	14	4d 10-Sep-15	23-Sep-15	04-Apr-16	17-Apr-16	207d			
110250	Submit Lift & FSI Detailed Design to IC, ER & Employer	(Dd	09-Sep-15		25-Sep-15	12d			Submit Lift & F\$I Detailed Design to IC, ER
110300	IC checks & comments on Lift & FSI Detailed Design	14	4d 10-Sep-15	23-Sep-15	14-Oct-15	27-Oct-15	34d			IC checks & comments on Lift & FS
110350	Revise & resubmit Lift & FSI Detailed Design to IC, Employer & ER	7	7d 24-Sep-15	30-Sep-15	28-Oct-15	03-Nov-15	34d			Revise & resubmit Lift & FSI Deta
110400	IC checks & certifies Lift & FSI Detailed Design	7	7d 01-Oct-15	07-Oct-15	04-Nov-15	10-Nov-15	34d			IC checks & certifies Lift & FSI
110450	Employer consents to Lift & FSI Detailed Design		0d	21-Oct-15		24-Nov-15	34d			Employer consents to Lift &
e Receiving	g, Pre-treatment & Administration Bldg #1	73	3d 18-May-15	13-Aug-15	27-Aug-15	16-Dec-15	104d			
			3d 18-May-15 3d 18-May-15	13-Aug-15 13-Aug-15	27-Aug-15	16-Dec-15 16-Dec-15	104d 104d			
120200	Prepare & make Bldg #1 BS Detailed Design - Electrical System to IC, ER & Employer		2d 18-May-15	02-Jul-15		13-Oct-15	71d			Prepare & make Bidg #1 BS Detailed D
120210	Prepare & make Bldg #1 BS Detailed Design - FS System to IC, ER & Employer	32	2d 18-May-15	02-Jul-15	27-Aug-15	13-Oct-15	71d			Prepare & make Bldg #1 BS Detailed D
120220	Prepare & make Bldg #1 BS Detailed Design - P/D System to IC, ER & Employer	32	2d 18-May-15	02-Jul-15	27-Aug-15	13-Oct-15	71d			Prepare & make Bldg #1 BS Detailed D
120230	Prepare & make Bldg #1 BS Detailed Design - MVAC System to IC, ER & Employer	32	2d 18-May-15	02-Jul-15	27-Aug-15	13-Oct-15	71d			Prépare & make Bidg #1 BS Detailed D
120240	Prepare & submit Method of Construction for Bldg #1 Building Services	25	5d 28-May-15	02-Jul-15	29-Oct-15	02-Dec-15	106d			Prepare & submit Method
120245	IC checks & certifies Method of Construction of Bldg #1 Building Services		4d 03-Jul-15	16-Jul-15	03-Dec-15	16-Dec-15	153d			IC checks & certifies
120250	IC checks & comments on Bldg #1 Building Services		4d 03-Jul-15	16-Jul-15	14-Oct-15	27-Oct-15	103d			IC checks & comments on Bldg #1
120300	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			
120300	IC checks & certifies Bidg #1 Building Services		7d 24-Jul-15	30-Jul-15	04-Nov-15	10-Nov-15	103d			Revise & resubmit Bldg #1 BS De
120350	Employer consents to Bldg #1 Building Services		0d	13-Aug-15	0110/-13	24-Nov-15	103d			IC checks & certifies Bldg #1 Bi
										Employer consents to Bldg
osting & M	laturation Building #2		0d 16-Mar-15 0d 16-Mar-15	24-Jun-15 24-Jun-15	15-Apr-15 15-Apr-15	07-Jul-15 07-Jul-15	10d 10d			
00000		80	0d 16-Mar-15	24-Jun-15	15-Apr-15	07-Jul-15	10d			
30200	Prepare & make Bldg #2 BS Detailed Design - Electrical System to IC, ER & Employer		8d 16-Mar-15	27-Apr-15	15-Apr-15	26-May-15	19d	_		nake Bldg #2 BS Detailed Design - Electrical System to IC, ER &
30210	Prepare & make Bldg #2 BS Detailed Design - FS System to IC, ER & Employer		8d 16-Mar-15	27-Apr-15	15-Apr-15	26-May-15	19d			nake Bldg #2 BS Detailed Design - FS System to IC, ER & Emplo
30220	Prepare & make Bldg #2 BS Detailed Design - P/D System to IC, ER & Employer	28	8d 16-Mar-15	27-Apr-15	15-Apr-15	26-May-15	19d		Prepare & r	nake Bldg #2 BS Detailed Design - P/D System to IC, ER & Emp
130230	Prepare & make Bldg #2 BS Detailed Design - MVAC System to IC, ER & Employer	28	8d 16-Mar-15	27-Apr-15	15-Apr-15	26-May-15	19d	•	Prepare & n	nake Bldg #2 BS Detailed Design - MVAC System to IC, ER & En
130240	Prepare & submit Method of Construction for Bldg #2 Building Services	25	5d 19-Mar-15	27-Apr-15	19-May-15	23-Jun-15	39d	r	1 I I I I	pare & submit Method of Construction for Bldg #2 Building Servic
130245	IC checks & certifies Method of Construction of Bldg #2 Building Services	14	4d 28-Apr-15	11-May-15	24-Jun-15	07-Jul-15	57d		••••••	C checks & certifies Method of Construction of Bldg #2 Building
130250	IC checks & comments on Bldg #2 Building Services	14	4d 28-Apr-15	11-May-15	27-May-15	09-Jun-15	29d		IC ¢hec'	ks & comments on Bldg #2 Building Services
	Revise & resubmit Bldg #2 BS Detailed Design to IC, Employer & ER	7	7d 12-May-15	18-May-15	10-Jun-15	16-Jun-15	29d		Revis	e & resubmit Bldg #2 BS Detailed Design to IC, Employer & ER
130300							· · · · · · · · · · · · · · · · · · ·			
130300 130350	IC checks & certifies Bldg #2 Building Services	7	7d 19-May-15	25-May-15	17-Jun-15	23-Jun-15	29d		IC cl	hecks & certifies Blog #2 Building Services

Contract Programme for the Design and Construction Works (v1.4) 2016 May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr DA/PLC to IC, ER & Employer Prepare & submit Method of Construction for SCADA/PLC System IC checks & certifies Method of Construction of SCADA/PLC System sign of SCADA/PLC System SCADA/PLC \$ystem to IC, Employer & ER System LC System pment & Performance Submission to IC, ER & Employer t Mobile Plants le Plants to IC, Employer & ER Nobile Plants ent Mobile Plants & FSI to FSD & EMSD e & submit Method of Construction for Lift & F\$I checks & certifies Method of Construction of Lift & FSI esign o IC, Employer & ER ign Design ical System to IC, ER & Employer stem to IC, ER & Employer system to IC, ER & Employer System to IC, ER & Employer tion for Bldg #1 Building Services nstruction of Bldg #1 Building Services rices to IC, Employer & ER es ervices Page 15 of 27 print: 02-Sep-15 10:50 © Oracle Corporation

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)	Activity Name	Organic V Original Early Start	Waste Ti	Late Start	Late Finish	ies P	hase 1			2015	OSCAR B	oenergy	Joint V	enture	a
		Duration		Late Start		Float	Nov Dec	c Jan Feb Mar Apr	May	Jun Jul	Aug Sep			an Feb	Mar
DS130400	Employer consents to Bldg #2 Building Services	Od	24-Jun-15		07-Jul-15	13d				Empl	oyer consents to	Bldg #2 Buildir	g Services		
xiliary Building	g & Facilities #3	71d 11-Aug-15 71d 11-Aug-15	04-Nov-15 04-Nov-15	27-Aug-15 27-Aug-15	10-Dec-15 10-Dec-15	31d 31d									
DS1 40200	Despace & malue Dide #2 DC Detailed Design - Electrical Custom to IC, ED & Employe	71d 11-Aug-15	04-Nov-15	27-Aug-15	10-Dec-15	31d									
DS140200	Prepare & make Bldg #3 BS Detailed Design - Electrical System to IC, ER & Employe		23-Sep-15	27-Aug-15	13-Oct-15	12d						 Prépare & 			
DS140210	Prepare & make Bldg #3 BS Detailed Design - FS System to IC, ER & Employer	32d 11-Aug-15 32d 11-Aug-15	23-Sep-15	27-Aug-15	13-Oct-15	12d							make Bldg #		
DS140220 DS140230	Prepare & make Bldg #3 BS Detailed Design - P/D System to IC, ER & Employer Prepare & make Bldg #3 BS Detailed Design-MVAC of Energy Centre to IC, ER & Em		23-Sep-15 23-Sep-15	27-Aug-15	13-Oct-15 13-Oct-15	12d						 Prepare & 			1
DS140230				27-Aug-15		12d							make Bldg #		
	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								make Bldg #		1
DS140245	Prepare & submit Method of Construction for Bldg #3 Building Services	25d 20-Aug-15	23-Sep-15	23-Oct-15	26-Nov-15	43d						:	Prepare & s		1
DS140248	IC checks & certifies Method of Construction of Bldg #3 Building Services	14d 24-Sep-15	07-Oct-15	27-Nov-15	10-Dec-15	64d								ks & certifie	
DS140250	IC checks & comments on Bldg #3 Building Services	14d 24-Sep-15	07-Oct-15	14-Oct-15	27-Oct-15	20d						IC che			1
DS140300	Revise & resubmit Bldg #3 BS Detailed Design to IC, Employer & ER	7d 08-Oct-15	14-Oct-15	28-Oct-15	03-Nov-15	20d						_	e & resubmi	-	
DS140350	IC checks & certifies Bldg #3 Building Services	7d 15-Oct-15	21-Oct-15	04-Nov-15		20d									1
DS140400	Employer consents to Bldg #3 Building Services	Od	04-Nov-15		24-Nov-15	20d						~	Employer co	insents to E	Bldg #3
TUTORY AN	D UTILITIES DESIGN SUBMISSION	411d 30-Jan-15	15-Mar-16		19-Sep-16	188d									
		411d 30-Jan-15 411d 30-Jan-15	15-Mar-16 15-Mar-16	06-Mar-15 06-Mar-15	19-Sep-16 19-Sep-16	188d 188d									
SI 1440200		411d 30-Jan-15	15-Mar-16	06-Mar-15	19-Sep-16	188d						_			
SU110200	EPD, LandsD, PlanD & ArchSD - Approval for Landscape & Bidg #2 Green Roof Des		16-Oct-15	23-Dec-15		95d								EPD, La	
SU110210	ArchSD - Comment on Architectural Design	28d 04-Jun-15	01-Jul-15	01-Sep-15	28-Sep-15	89d						ArchSD - Com		nite¢tural D	vesign
SU110250	GEO - Comment on Geotechnical Interpretative Report	28d 28-Mar-15	24-Apr-15	13-Apr-15	10-May-15	16d			GE	D - Comment on	Geotechnical In	erpretative Rej			
SU110260	GEO - Approval for NTH Study Report	28d 09-Oct-15	05-Nov-15	24-Nov-15	21-Dec-15	46d							GEO) - Approval	I for NT
SU110270	GEO - Approval of NTH Mitigation Design	28d 08-Dec-15	04-Jan-16	30-May-16	26-Jun-16	174d									
SU110280	GEO - Approval of Manmade Slope Design	28d 08-Dec-15	04-Jan-16	26-Jan-16	22-Feb-16	49d									GEO -
SU110300	EPD - Sewage Discharge License approval	28d 20-Jun-15	17-Jul-15	05-Jul-15	01-Aug-15	15d					EPD - Sewage		nse approv	al	
SU110330	CLP - Consent of Scheme for Provision of Electricity to CLP	28d 06-Mar-15	02-Apr-15	06-Mar-15	02-Apr-15	Od		CLF	Consei	t of Scheme for					
SU110350	CLP - Approval of Transformer Room layout, Cable duct arrangement and Grid Conr		18-Sep-15	22-Aug-15	18-Sep-15	0d					CI	P - Approval o			
SU110360	CLP - Approval of Subission Package on Grid Arrangement	28d 19-Sep-15	16-Oct-15	19-Sep-15	16-Oct-15	0d							roval of Sub		-
SU110400	DSD - Approval for Stormwater and Sewerage Connection	28d 20-Jun-15	17-Jul-15	05-Jul-15	01-Aug-15	15d			_		DSD - Approva	for Stormwate	r and Sewer	age Conne	≥ction
SU110450	WSD - Approval for Water Supply & Plumbing	28d 28-May-15	24-Jun-15	10-Jun-15	07-Jul-15	13d				wsc	- Approval for M	ater Supply &	Plumbing		
SU110500	FSD - Approval for Fire Safety, Dangerous Goods Application and Fire Services Inst		08-Sep-15	28-Aug-15	24-Sep-15	16d						SD - Approval			ous Go
SU110550	EMSD - Approval for Lift Design	28d 04-Aug-15	31-Aug-15		24-Sep-15	24d						MSD - Approv	al for Lift Des	ign	
SU110600	TD & HyD - Approval for Access Road & Entrance (Portion 2) Design	28d 25-Sep-15	22-Oct-15	12-Oct-15	08-Nov-15	17d						TD	& HyD - Appr	oval for Ac	cess R
SU110620	Liaison with HKPF, TD & HyD - for Access Road & Entrance (Portion 2) works	90d 17-Dec-15	15-Mar-16	22-Jun-16	19-Sep-16	188d									-
SU110650	LandsD & EPD - Approval of Tree preservation, transplanting and felling proposals (I		09-Apr-15	14-Mar-15	22-May-15	43d			<u> </u>	andsD & EPD -	Approval of Tree	preservation,	ransplanting	and felling	propos
SU110660	LandsD & EPD - Approval of Tree preservation, transplanting and felling proposals (24-Oct-15 02-Jul-16	25-May-16	02-Aug-16 07-Sep-16	283d									
	T, MANUFACTURING, F.A.T., SHIPMENT AND DELIVERY OF E&M S , Storage and Feeding System	SYSTEMS EQUIPMENT 407d 12-Feb-15 221d 09-Mar-15	26-Jan-16		28-Jun-16	102d									
		221d 09-Mar-15	26-Jan-16		28-Jun-16	102d									
PR110110	Issue orders & receive shop drawings from Waste Receiving, Storage and Feeding	221d 09-Mar-15 System suppliers 20d 09-Mar-15	26-Jan-16 08-Apr-15	26-Mar-15 26-Mar-15	28-Jun-16 27-Apr-15	102d 13d			Issue o	rders & receive	shop drawings fr	om Waste Rec	eiving, \$tor:	age and Fer	eding S
PR110120	Overhead Grabbing System	192d 22-Apr-15	26-Jan-16	20-Jul-15	27-Apr-16	60d								_	<u> </u>
PR200100	Weighbridge Platform	103d 09-Jul-15	03-Dec-15	14-Jan-16	16-Jun-16	130d							<u>ــــــــــــــــــــــــــــــــــــ</u>		
PR200120	Weighbridge Computer System	61d 22-Oct-15	18-Jan-16	31-Mar-16	28-Jun-16	108d							<u> </u>	<u> </u>	
PR210100	Vehicle Wash Plant / Bin Handling / Water Canon System	102d 09-Jul-15	02-Dec-15	10-Dec-15	12-May-16	107d							<u> </u>		
PR210120	Water Reclamation System	102d 09-Jul-15	02-Dec-15	10-Dec-15	12-May-16	107d							<u> </u>		
e-Treatment Sy	ystem	205d 19-Mar-15	14-Jan-16		27-Apr-16	68d 68d									
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PR110100	Issue orders & receive shop drawings from Pre-treatment suppliers	20d 19-Mar-15	20-Apr-15			5d			 Issue d 	rders & receive	snop drawings fr	om Pre-treatm	ent suppliers		
PR110140	Reception Hoppers and Screw Conveyors	86d 03-Aug-15	03-Dec-15		27-Apr-16	96d									
PR110160	Crushers	86d 07-Sep-15	11-Jan-16		27-Apr-16	71d									
PR110180	Sieve Drums	86d 07-Sep-15	11-Jan-16		27-Apr-16	71d									
PR110200	Sand Grip Trap / Metal Separator	86d 07-Sep-15	11-Jan-16		27-Apr-16	71d									
PR110220	Suspension Buffer Tank	86d 07-Sep-15	11-Jan-16	18-Dec-15	27-Apr-16	71d									1

Contract Programme for the Design and Construction Works (v1.4) 2016 2017 iy Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr														
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R110240 R110260 arobic Digestion R120100 R120120 R120140 R120160	Activity Name Pumps and Mixers / Mecrator / Compressed Air System Overhead Travelling Crane on (AD) Treatment System	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total		c Jan Feb Ma		2015		AR Bioener					2
R110240 R110260 arobic Digestion R120100 R120120 R120140 R120160	Pumps and Mixers / Mecrator / Compressed Air System Overhead Travelling Crane	Duration 64d					Elect I		c Jan Feb Ma						lan E			
R110260 erobic Digestion R120100 R120120 R120140 R120160	Overhead Travelling Crane			44 1 40	01 1 10	07.4 40		Nov Dec		r Apr May	Jun	Jul Aug	Sep Oct N	IOV Dec	Jan Fe	b Mar		
erobic Digestion (120100 (120120 (120140 (120160		123d	09-Oct-15	11-Jan-16	21-Jan-16	27-Apr-16	71d											umps and N
R120100 R120120 R120140 R120160	on (AD) Treatment System			14-Jan-16	28-Oct-15	27-Apr-16	68d										°	verhead Tra
R120120 R120140 R120160			20-Apr-15 20-Apr-15	25-Feb-16 25-Feb-16	15-Jul-15 15-Jul-15	24-Mar-16 24-Mar-16	20d 20d											
R120120 R120140 R120160	have address A second as the second second and AD are set from	213d	20-Apr-15	25-Feb-16	15-Jul-15	24-Mar-16	20d											
R120140 R120160	Issue orders & receive shop drawings from AD suppliers		20-Apr-15	18-May-15	15-Jul-15	11-Aug-15	59d					lss	ue orders & receive	shop drawing	s from AD	suppliers		
R120160	Digester Tanks		22-Oct-15	25-Feb-16	19-Nov-15	24-Mar-16	20d										Digester Ta	
	Jet Mixing System		22-Oct-15	25-Feb-16	19-Nov-15	24-Mar-16	20d										Jet Mixing	System
120180	Heat Exchangers		22-Oct-15	25-Feb-16	19-Nov-15	24-Mar-16	20d										Heat Exch	
	Digestate Circulation and Feeding Pumps		22-Oct-15	25-Feb-16	19-Nov-15	24-Mar-16	20d											Circulation a
	Intermediate Digestate Tanks		22-Oct-15	21-Jan-16	21-Dec-15	24-Mar-16	42d									<u> </u>	Intermedia	te Digestate
as Cleaning, St as Cleaning and S	Storage and Distribution System		08-Apr-15 08-Apr-15	30-Jun-16 23-Feb-16	28-Apr-15 28-Apr-15	27-Jul-16 22-Jul-16	18d 102d											
		219d	08-Apr-15	23-Feb-16	28-Apr-15	22-Jul-16	102d											
R130100	Issue orders & receive shop drawings from Biogas suppliers	17d	08-Apr-15	30-Apr-15	28-Apr-15	21-May-15	14d				lssue order	s & receive s	hop drawings from I	Biogas suppli	ers			
	Desulphurisation System		19-Nov-15		21-Apr-16	22-Jul-16	102d									-		
R130140	Biogas Storage Tank	64d	19-Nov-15	23-Feb-16	21-Apr-16	22-Jul-16	102d											
as Distribution Sys	ystem		08-Apr-15 08-Apr-15	30-Jun-16 30-Jun-16	28-Apr-15 28-Apr-15	27-Jul-16 27-Jul-16	18d 18d											
140180	Standby Gas Flaring Unit		08-Apr-15 06-Aug-15	08-Jan-16	28-Apr-15 22-Feb-16	27-Jul-16 27-Jul-16	18d 134d											
160100	Issue orders & receive shop drawings from Biogas suppliers	17d	08-Apr-15	30-Apr-15	28-Apr-15	21-May-15	14d				lissue order	s & receive s	hop drawings from I	Biogas suppli	ers		+	
160120	Biogas Blowers	223d	06-Aug-15	30-Jun-16	27-Aug-15	22-Jul-16	15d							_		_		
160140	Biogas Cooling and Condensate Removal System	223d	06-Aug-15	30-Jun-16	27-Aug-15	22-Jul-16	15d								;		 	
bined Heat Re	ecovery and Power (CHP) Generation System	383d	15-Mar-15	02-Jul-16	15-Mar-15	02-Jul-16	0d											
			15-Mar-15	02-Jul-16	15-Mar-15	02-Jul-16	0d											
140100	Issue orders & receive shop drawings from CHP suppliers		15-Mar-15 15-Mar-15	02-Jul-16 30-Mar-15	15-Mar-15 15-Mar-15	02-Jul-16 30-Mar-15	0d 0d			Issue orders	& receive sl	nop drawings	from CHP suppliers	5				
140120	Co Generator and Heat Exchanger / H2S Polishing	365d	04-Jul-15	02-Jul-16	04-Jul-15	02-Jul-16	0d				-							_
140140	FAT of Co-Generator and Heat Exchanger	5d	19-Jan-16	25-Jan-16	22-Apr-16	28-Apr-16	62d										E	AT of Co-Ge
140160	Electric Water Heater	64d	06-Jul-15	05-Oct-15	30-Mar-16	30-Jun-16	182d											
140200	Heat Water Circulation Pumps	64d	06-Jul-15	05-Oct-15	30-Mar-16	30-Jun-16	182d											
	Nonitoring System (CEMS)		08-May-15		13-May-15	13-May-16	61d											
	Issue orders & receive shop drawings from CEMS suppliers		08-May-15 08-May-15	12-Feb-16 04-Jun-15	13-May-15	13-May-16	61d 3d											
			-		13-May-15	09-Jun-15					SSUE	orders & rece	ive shop drawings f	rom CEMS s	ppliers			
	CEMS Equipment		11-Sep-15	12-Feb-16	10-Dec-15	13-May-16	61d											CEMS Ec
state Dewaterir	ing System		12-Feb-15 12-Feb-15	25-May-16 25-May-16	12-Feb-15 12-Feb-15	07-Sep-16 07-Sep-16	73d 73d											
8170110	Issue orders & receive shop drawings from Digestate Dewatering suppliers		12-Feb-15 12-Feb-15	25-May-16 11-Mar-15	12-Feb-15 12-Feb-15	07-Sep-16 11-Mar-15	73d 0d											
						07-Sep-16	73d			Issue orders & re	ceive snop c	rawings from	Digestate Dewateri	ing suppliers				_
	Centrifuge / Polymer Dosing System		27-Oct-15 27-Oct-15	25-May-16	12-Feb-16													
	Leachate Treatment, Pump & Sump Pump			25-May-16	12-Feb-16	07-Sep-16	73d											_
posting System	m (Composting Tunnel, Maturation Area and Structurant Reception Area)		12-Feb-15 12-Feb-15	11-Apr-16 11-Apr-16	12-Feb-15 12-Feb-15	07-Sep-16	104d 104d											
170400	Incur orders & section along drawings from Composition suppliant	284d	12-Feb-15	11-Apr-16	12-Feb-15	07-Sep-16	104d											
	Issue orders & receive shop drawings from Composting suppliers		12-Feb-15	11-Mar-15	12-Feb-15	11-Mar-15	0d			Issue orders & re	cleive shdp c	rawings from	Composting supplie	ers				
	Crusher		09-Sep-15	05-Feb-16	13-Apr-16	07-Sep-16	144d											
	Mixers		09-Sep-15	11-Apr-16	12-Feb-16	07-Sep-16	104d											
	Sieve / Belt Conveyor		09-Sep-15	05-Feb-16	23-Nov-15	25-Apr-16	50d										Si	eve / Belt Co
	Compost Bagging Machine		09-Sep-15	05-Feb-16	13-Apr-16	07-Sep-16	144d											
	Aeration Blowers		09-Sep-15	05-Feb-16	13-Apr-16	07-Sep-16	144d											
	Heat Exchangers		09-Sep-15	05-Feb-16	23-Nov-15	25-Apr-16	50d										He	eat Exchang
	Hot Water Circulation Pumps		09-Sep-15	05-Feb-16	23-Nov-15	25-Apr-16	50d										H	ot Water Cir
	Tunnel Doors / Mesh Floor	103d	09-Sep-15	05-Feb-16	28-Dec-15	30-May-16	74d											Tunn
te water Treatm	ment System (WWTS)		16-Mar-15	13-Apr-16	31-Mar-15	19-May-16	25d											
			16-Mar-15 16-Mar-15	13-Apr-16 13-Apr-16	31-Mar-15 31-Mar-15	19-May-16 19-May-16	25d 25d											
	Issue orders & receive shop drawings from WWTS suppliers	17d	16-Mar-15	10-Apr-15	31-Mar-15	27-Apr-15	11d			lssue	orders & re	ceive shop dr	awings from WWTS	Ssuppliers				
8150120	Wastewater Treatment Plant	103d	24-Sep-15	25-Feb-16	23-Nov-15	25-Apr-16	39d									•	w	astewater T
150140	Ammonia Stripping Plant	134d	24-Sep-15	13-Apr-16	03-Nov-15	19-May-16	25d											- Ammon
ralized Air Poll	lution Control (CAPC) System	236d	12-Feb-15	26-Jan-16	12-Feb-15	03-Jun-16	86d											
ct:OWTF1_v	v1.4Final Activi	ty Fic	oat Bar															

Contract Programme for the	Design and
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DD 100100		236d 12-Feb-15	26-Jan-16	12-Feb-15	03-Jun-16	86d															
PR180100	Issue orders & receive shop drawings from CAPC suppliers	18d 12-Feb-15	11-Mar-15	12-Feb-15	11-Mar-15	0d			ls	sue orde	rs & rece	ive sho	p drawing	gs from	CAPC \$	uppliers			_		
PR180120	CAPC System Equipment	103d 28-Aug-15	26-Jan-16	04-Jan-16	03-Jun-16	86d													_		-
ulk Material		295d 09-Mar-15 295d 09-Mar-15	18-May-16 18-May-16	26-Mar-15 26-Mar-15	25-Aug-16 25-Aug-16	69d 69d															
PP220050	lasus erdens 8 saasing alam denvines from Mashasing! Fruitment sum lines	295d 09-Mar-15	18-May-16	26-Mar-15	25-Aug-16	69d															
PR220050	Issue orders & receive shop drawings from Mechanical Equipment suppliers	20d 09-Mar-15	08-Apr-15	26-Mar-15	27-Apr-15	13d					Issue ¢	rders &	receive	shop dra	wings fr	rom Mecha	anical E	quipmer	t supplie	s	
PR220100	Mechanical Equipment - Penstock, Pipework, Valve, Lifting Appliance, Roller Shutters etc		17-Dec-15	11-Nov-15	15-Apr-16	78d							_								
PR220110	Issue orders & receive shop drawings from Platforms, Handrails & Ladders suppliers	20d 17-Jun-15 90d 05-Nov-15	15-Jul-15	15-Jul-15	11-Aug-15	19d 110d					ļ		i		i	s & receive		Irawings	from Pla	i	Hand
PR220120	Platforms, Handrails and Ladders		16-Mar-16	19-Apr-16	25-Aug-16 02-Mar-16	69d									_						
PR220130 PR220140	Issue orders & receive shop drawings from Permanent Mobile Plants suppliers Permanent Mobile Plants	40d 22-Sep-15 120d 20-Nov-15	19-Nov-15 18-May-16	04-Jan-16 03-Mar-16	25-Aug-16	69d														Is	ssue
	n & Accessories	228d 15-May-15	15-Apr-16	15-May-15	-	090															
ectrical System		228d 15-May-15	15-Apr-16	15-May-15	15-Apr-16	0d															
PR230100	Issue orders & receive shop drawings from Electrical suppliers	228d 15-May-15 12d 15-May-15	15-Apr-16 02-Jun-15	15-May-15 15-May-15	15-Apr-16 02-Jun-15	0d 0d						Issue	orders &	receive	shon d	rawings fro	om Elec	tricals	ppliers		
PR230120	MCC and Electrical Accessories System	121d 19-Oct-15	15-Apr-16	19-Oct-15	15-Apr-16	0d						.soud			,					<u> </u>	
PR230180	Cables and Accessories, Cable Containment System	61d 19-Oct-15	14-Jan-16	14-Jan-16	15-Apr-16	60d															
PR230200	Earthing and Lightning	40d 19-Oct-15	14-Dec-15	04-Nov-15	30-Dec-15	11d													Earthing a	and Light	tning
PR230220	Emergency Generator	101d 19-Oct-15	15-Mar-16	17-Nov-15	15-Apr-16	20d											_				
ain LV Switch Boa		228d 15-May-15	15-Apr-16	15-May-15	· · · · · · · · · · · · · · · · · · ·	0d															
		228d 15-May-15	15-Apr-16	15-May-15	15-Apr-16	0d															
PR230130	Issue orders & receive shop drawings from LV Switch Board suppliers	12d 15-May-15	02-Jun-15	15-May-15	02-Jun-15	0d						Issue	orders 8	receiva	shop dr	rawings fro	om LV S	witch B	ard sup	oliers	
PR230140	LV Switch Board, switchgear and Instrumentation	121d 19-Oct-15	15-Apr-16	19-Oct-15	15-Apr-16	0d															
PR230160	FAT of LV Switch Board	5d 01-Apr-16	08-Apr-16	01-Apr-16	08-Apr-16	0d															
ADA /PLC Sys	stem	185d 27-May-15 185d 27-May-15	22-Feb-16 22-Feb-16	24-Aug-15 24-Aug-15	04-May-16 04-May-16	48d 48d															
PR240100	Issue orders & receive shop drawings from SCADA/PLC suppliers	185d 27-May-15 20d 27-May-15	22-Feb-16 23-Jun-15	24-Aug-15 24-Aug-15	04-May-16 18-Sep-15	48d 62d															
PR240120	SCADA/PLC System and component	83d 22-Oct-15	22-Feb-16	30-Dec-15	04-May-16	48d					7				- ISS	sue orders	; & rece	live sho		s from S	
PR240120	FAT of SCADA/PLC System	22-00113 2d 29-Jan-16	01-Feb-16	14-Apr-16	15-Apr-16	48d															
	s Equipment (Including Lift & Renewable Energy System)	274d 12-Feb-15	23-Mar-16	13-Mar-15	06-Jul-16	69d															
anding Services	s Equipment (including Lift & Renewable Energy System)	274d 12-Feb-15	23-Mar-16	13-Mar-15	06-Jul-16	69d															
PR250100	Issue orders & receive shop drawings from BS suppliers	274d 12-Feb-15 20d 12-Feb-15	23-Mar-16 13-Mar-15	13-Mar-15 13-Mar-15	06-Jul-16 14-Apr-15	69d 19d		· ····· ·		le	sue orde	re & roo		n drawir		BS suppli	iore				
PR250120	Firemen and Disable Lift	83d 22-Oct-15	22-Feb-16	11-Dec-15	15-Apr-16	36d				- 13		is a rea	cive sile	purum	ganoin	De Supple	510				
PR250140	Absorption Chiller	83d 14-Aug-15	11-Dec-15	11-Dec-15	15-Apr-16	82d											1				
PR250160	Electrical Chiller	81d 05-Nov-15	03-Mar-16	15-Dec-15	15-Apr-16	28d											_				
PR250170	Cooling Tower	81d 05-Nov-15	03-Mar-16	25-Nov-15	23-Mar-16	14d															_
PR250175	Airduct and Accessories	45d 18-Jan-16	23-Mar-16	05-Feb-16	15-Apr-16	14d														_	-
PR250180	Chilled Water Circulation Pumps	83d 14-Aug-15	11-Dec-15	11-Dec-15	15-Apr-16	82d									_		_				
PR250200	Fan coil and air handling units	83d 14-Aug-15	11-Dec-15	11-Dec-15	15-Apr-16	82d															
PR250210	Fire Services System Equipment	81d 05-Nov-15	03-Mar-16	15-Dec-15	15-Apr-16	28d															
PR250220	Plumbing and Drainage System Equipment	81d 05-Nov-15	03-Mar-16	15-Dec-15	15-Apr-16	28d															
PR250230	ELV System Equipment	81d 05-Nov-15	03-Mar-16	08-Mar-16	06-Jul-16	83d															
	JCTURAL WORKS	575d 26-Feb-15	04-Feb-17	14-Apr-15	16-Mar-17	34d															
eneral		24d 26-Feb-15	25-Mar-15	14-Apr-15	12-May-15	36d															
		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 24d 26-Feb-15	25-Mar-15 25-Mar-15	14-Apr-15 14-Apr-15	12-May-15 12-May-15	36d 36d					- Per	mission	/ Comm	ents frq	n WSD	before Cor	mmenc	ement o	works		
	, Pre-treatment & Administration Building #1 (Zone #1)	400d 19-Aug-15	20-Dec-16	19-Aug-15	16-Mar-17	68d															
ocation at Grid 6-1	15/H-M	53d 19-Aug-15 53d 19-Aug-15	22-Oct-15 22-Oct-15	19-Aug-15 19-Aug-15	06-Jan-16 06-Jan-16	62d 62d															
CC100100	Excavation by Open Cut	20d 19-Aug-15	10-Sep-15	19-Aug-15	10-Sep-15	0d								-	Ex¢	avation by	Open (Cut			
CC100120	Installation of Ground Beams and Slabs	18d 11-Sep-15	03-Oct-15	11-Sep-15	03-Oct-15	0d									·· ·	Installatio	on of G	round B	eams an	J Slabs	
CC100140	Underground Drainage Work	15d 05-Oct-15	22-Oct-15	17-Dec-15	06-Jan-16	62d										-			Underg	round Dr	raina
ocation at Grid 6-1	15/L-O	63d 11-Sep-15	26-Nov-15	27-Oct-15	01-Mar-16	76d															
CC101100	Excavation by Open Cut Limited to Grid 11-15/M-O	63d 11-Sep-15 12d 11-Sep-15	26-Nov-15 24-Sep-15	27-Oct-15 27-Oct-15	01-Mar-16 09-Nov-15	76d 36d											Exdav	vation b	Open Ci	ut Limiter	d to (
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)	Activity Name	Original Ea Duration	arly Start	Early Finish	Late Start	Late Finish	Total Float	Nov De	ec Jan	-eb Mar	Apr M		2015 n Jul	Aug	Sep O	ct Nov I	Dec Jan	Feb Ma	ar
CC101120	Drive Type II Sheet Pile forming planking wall for ELS	6d 25	25-Sep-15 (03-Oct-15	11-Nov-15	17-Nov-15	37d								_	Driv		et Pile formin	
CC101140	Install ELS and further excavate for Deep Bunker	18d 05	5-Oct-15	26-Oct-15	18-Nov-15	08-Dec-15	37d									╺┝────	Install ELS	and further ex	xcava
CC101160	Construct Deep Bunker r.c. structure	18d 27	7-Oct-15	16-Nov-15	30-Jan-16	23-Feb-16	79d									- -		Con	struct
CC101180	Backfilling - reinstate to Lev. Approx. +6.30m.P.D.	6d 17	7-Nov-15	23-Nov-15	24-Feb-16	01-Mar-16	79d									•		Ba	ackfilli
CC101200	Excavation by Open Cut to whole area	25d 25	5-Sep-15 2	27-Oct-15	10-Nov-15	08-Dec-15	36d								÷	╸	Excavation	by Open Cut	to wh
CC101220	Installation of Ground Beams and Slabs	26d 28	8-Oct-15 2	26-Nov-15	06-Jan-16	04-Feb-16	57d							· · · · · · ·				Installatio	on of C
eneral		362d 05	5-Oct-15 2	20-Dec-16	05-Oct-15	16-Mar-17	68d												
CC102100	Underground Drainage Work			20-Dec-16 20-Jan-16	05-Oct-15 11-Mar-16	16-Mar-17 05-Apr-16	68d 58d												
CC102120	Base of Suspension Buffer Tank			29-Dec-15	05-Feb-16	09-Mar-16	57d												Base
CC102120	Wall and Column G/F to +12.00m.P.D.			07-Dec-15	05-Oct-15	07-Dec-15	0d											.ii	i.
															_			olumn G/F to ·	
CC102160	Floor Slabs and Beam at +12.00m.P.D.			28-Dec-15		28-Dec-15	0d											Slabs and Be	
CC102180	Wall and Column from +12.00m.P.D. to +17.20m.P.D.			18-Jan-16	29-Dec-15	18-Jan-16	0d											Wall and Colu	1
CC102200	Floor Slabs and Beam at +17.20m.P.D.			06-Feb-16	19-Jan-16	06-Feb-16	0d										-	Floor Sla	ıbs aı
CC102220	Wall and Column from +17.20m.P.D. to +22.60m.P.D.			02-Mar-16	14-Mar-16	07-Apr-16	27d									<u></u>	<u></u>		
CC102225	Fabricate & Deliver Roof Structural Steelwork	77d 24	4-Oct-15 2	25-Jan-16	31-Dec-15	07-Apr-16	56d												
CC102230	Erect Roof Steelwork at +22.60mPD	6d 03	03-Mar-16 (09-Mar-16	08-Apr-16	14-Apr-16	27d											•	+
CC102240	Roof at +22.60m.P.D.	12d 10	0-Mar-16 2	23-Mar-16	12-May-16	26-May-16	49d												÷
CC102260	Clearance of Internal Area of G/F	6d 25	9-Dec-15 (05-Jan-16	15-Jan-16	21-Jan-16	14d											Clearance of	Inter
CC102280	Erect bamboo working platform at Internal Area of G/F	12d 06	6-Jan-16 ŕ	19-Jan-16	22-Jan-16	04-Feb-16	14d											Ereot ban	nboo
CC102300	ABWF Works at G/F	24d 20	0-Jan-16 1	19-Feb-16	05-Feb-16	07-Mar-16	14d							11				A	ABW
CC102320	Clearance of Internal Area of Mezz Lev. & 1/F	9d 01	01-Mar-16	10-Mar-16	01-Mar-16	10-Mar-16	0d												Clea
CC102340	Erect bamboo working platform at Internal Area of Mess Lev. & 1.F	12d 11	1-Mar-16 2	24-Mar-16	11-Mar-16	24-Mar-16	0d											-	- E
CC102360	ABWF Works at 1/F to R/F	40d 29	9-Mar-16	17-May-16	29-Mar-16	17-May-16	0d												-
CC102370	Rermoval of Scaffolding and Working Patform	Od		17-May-16		25-Aug-16	84d												
CC102380	External and Remaining ABWF Works	85d 24		09-Jul-16	08-Aug-16	17-Nov-16	109d											+	
CC102400	Handover G/F to E&M Works (Zone #1.1)		4-Feb-16		24-Feb-16		14d											Han	dovle
CC102420	Handover 1/F to E&M Works (Zone #1.2)		8-Apr-16		18-Apr-16		0d											nan	uovie
CC102440	Interior Fitting-out Works to Admin & Visitor Areas			08-Nov-16	02-Nov-16	02-Feb-17	68d												
			-																
CC102450	Green Roof and Planting Preparation Works (Zone #1)			25-Aug-16	18-Nov-16	15-Dec-16	93d												
CC102460	Green Roof and Planting Works (Zone #1)			15-Sep-16	16-Dec-16	09-Jan-17	93d												
CC102470	Green Roof Landscape Softworks (Zone #1)			08-Oct-16	10-Jan-17	02-Feb-17	93d												
CC102480	Snagging to Interior Fitting-out Works to Admin & Visitor Areas	36d 09	9-Nov-16 2	20-Dec-16	03-Feb-17	16-Mar-17	68d												
mposting Build	ding & Facilities - Zone #2		<mark>:3-May-15 (</mark> :3-May-15 (04-Feb-17 04-Feb-17	23-May-15	16-Mar-17 16-Mar-17	34d 34d												
or Location at Gr	rid 1-5/A-C			28-Jul-15	23-May-15 23-May-15	06-Oct-15	58d							++					
CC103100	Excavation by Open Cut	21d 23	3-May-15	17-Jun-15	23-May-15	17-Jun-15	0d					-	Excavat	ion by Ope	n Cut				
CC103120	Tank slabs and walls	15d 18	8-Jun-15 (07-Jul-15	18-Jun-15	07-Jul-15	0d					1	Tar	nk slabs a	nd walls				
CC103140	Installation of Ground Beams and Slabs	18d 08	18-Jul-15 2	28-Jul-15	14-Sep-15	06-Oct-15	58d							4		nstallation of G	Fround Beam	s and Slabs	
CC103160	Underground Drainage Work	15d 08	8-Jul-15 2	24-Jul-15	08-Jul-15	24-Jul-15	0d						-	Undergro	ound Draina	ge Work			
or Location at Gr				08-Sep-15	25-Jul-15	06-Oct-15	22d											+	
CC103180	Excavation by Open Cut			18-Aug-15	25-Jul-15	18-Aug-15	0d							Б	cavation by	Open Cut			
CC103200	Installation of Ground Beams and Slabs	18d 15	9-Aug-15 (08-Sep-15	14-Sep-15	06-Oct-15	22d								••••••••••••••••••••••••••••••••••••••	nstallation of G	Fround Beam	s and Slabs	
CC103220	Underground Drainage Work	15d 15	9-Aug-15 (04-Sep-15	17-Sep-15	06-Oct-15	25d								L γ	Jnderground E	Drainage Wor	ĸ	
eneral CC103240	Backfilling works			04-Feb-17 10-Oct-15	07-Oct-15 07-Oct-15	16-Mar-17 06-Nov-15	34d 22d									Backfil	ling works	+	
CC103240	Walls & Columns G/F to 1/F						220 6d									Backfil	<u>i</u>		
				09-Jan-16	07-Nov-15	16-Jan-16												Walls & Colum	
CC103280	Superstructure - 1/F Slab & Beams			30-Jan-16	07-Jan-16	06-Feb-16	6d											Superstr	
CC103300	Superstructure - 1/F to Roof			20-Feb-16	05-Mar-16	22-Mar-16	26d												- \$
CC103320	Clearance			24-Feb-16	18-Mar-16	24-Mar-16	25d												- c
CC103340	Erect Bamboo Working Platform for Internal Finishing Works	12d 25	25-Feb-16 (09-Mar-16	29-Mar-16	12-Apr-16	25d												\pm
CC103360	Internal Finishing Works	39d 10	0-Mar-16 2	28-Apr-16	13-Apr-16	30-May-16	25d											-	-
CC103380	Erect Bamboo Working Platform for External Finishing Works	12d 10	0-Mar-16 2	23-Mar-16	05-Jul-16	18-Jul-16	92d												- +
CC103400	External Finishing Works	43d 24	24-Mar-16	19-May-16	19-Jul-16	06-Sep-16	92d												
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n at +1	7.20m.P	D.									
and Co	lumn fro	m +17.2	0m.P.D.	to +22.6	0m.P.D.						
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A	BWF W	orks at	/F to R/	F							
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E&M \	Works (Zone #1	1)								
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	Activity Name			Early Start	Early Finish		Late Finish	Total						2015	5					
C103420	ABWF Work			05-Jan-16	23-Feb-16	12-Jan-16	01-Mar-16	6d	Nov De	c Jan	Feb	Mar Apr	May	Jun	Jul Au	g Sep O	ct Nov D	ec Jan	Feb Ma	
C103440	Remaining ABWF Work		71d	24-Feb-16	23-May-16	02-Mar-16	30-May-16	6d												-
C103460	Handover to E&M Works (Zone #2.1)		0d		23-May-16		30-May-16	6d												
C103480	Green Roof and Planting Preparation Works		77d	29-Jul-16	29-Oct-16	07-Sep-16	08-Dec-16	34d												
C103500	Green Roof and Planting Works		26d	31-Oct-16	29-Nov-16	09-Dec-16	11-Jan-17	34d												
C103520	Green Roof Landscape Softworks		26d	30-Nov-16	31-Dec-16	12-Jan-17	14-Feb-17	34d												
C103600	Snagging on Zone #2 ABWF works		26d	03-Jan-17	04-Feb-17	15-Feb-17	16-Mar-17	34d												
k Bridge (Zone #2	2.2)		166d	31-Oct-15	25-May-16	24-Dec-15	09-Jul-16	37d												
C104100	Fabricate & deliver Structural Steelwork			31-Oct-15 31-Oct-15	25-May-16 05-Mar-16	24-Dec-15 24-Dec-15	09-Jul-16 04-May-16	37d 46d												
C104120	Installation of Bearing Support for Link Bridge at Bldg 1 & 2			03-Mar-16	16-Mar-16	20-Apr-16	04-May-16	37d												
C104140	Erect Steelwork for Link Bridge			17-Mar-16	11-Apr-16		26-May-16	37d					·							
C104160	ABWF Works at Link Bridge			12-Apr-16	25-May-16	27-May-16	09-Jul-16	37d												
C104180	Handover to E&M Works at Link Bridge (Zone #2.2)		00		25-May-16	27 May 10	09-Jul-16	37d												
				13-May-15	31-Dec-16	13-May-15	16-Mar-17	60d												
	S Eacilities (Zone #3) ling # 3/Zone #3.1)		102d	30-Oct-15	03-Mar-16	30-Oct-15	03-Mar-16	0d												
C105100	Excavation for Bldg #3.1 & Cogen Units			30-Oct-15 30-Oct-15	03-Mar-16 19-Nov-15	30-Oct-15 30-Oct-15	03-Mar-16 19-Nov-15	0d 0d									Eve	avation for Bld	a #3 1 & C	COLOR
C105120	Raft Foundations			20-Nov-15	10-Dec-15	20-Nov-15	10-Dec-15	0d									·	Raft Founda	-	Juger
C105120	Foul Drainage Connections			11-Dec-15	23-Dec-15	11-Dec-15	23-Dec-15	00										Foul Drai		nection
:C105160	Slab at G/F Bldg #3			24-Dec-15	08-Jan-16	24-Dec-15	08-Jan-16	0d											at G/F Bldg	
C105180	Walls & Columns G/F to 1/F			24-Dec-15 09-Jan-16	14-Jan-16	09-Jan-16	14-Jan-16	0d											at G/F Bldg alls & Colum	!
C105200	Slab at 1/F			15-Jan-16	21-Jan-16	15-Jan-16	21-Jan-16	0d											alls & Columi Slab at 1/F	1
C105200	Walls & Columns 1/F to R/F			22-Jan-16	28-Jan-16	22-Jan-16	28-Jan-16	0d											Slab at 1/F Walls & Co	
C105240	R/F Slab & Beams			29-Jan-16	04-Feb-16	29-Jan-16	04-Feb-16	00 0d											_ :	
C105260	Parapet Walls			05-Feb-16	13-Feb-16	05-Feb-16	13-Feb-16	00 0d											R/F Slab	
C105280	Backfilling Works			15-Jan-16	28-Jan-16	02-Feb-16	18-Feb-16	15d											Parape	
																			Backf	1
C105300	Concrete Plinths / Walls / Trenches ABWF Works			29-Jan-16 15-Feb-16	15-Feb-16	19-Feb-16	03-Mar-16 03-Mar-16	15d												Concr
C105320	Handover to E&M Works (Bldg #3/Zone #3.1)		0d		03-Mar-16	15-Feb-16	03-Mar-16	0d 0d												ABWF
					03-Mar-16	40 May 45													T Ha	Hando
aerobic Digestion	Tanks (Zone #3.2)			13-May-15 13-May-15	31-Mar-16 15-Oct-15	13-May-15 13-May-15	12-Apr-16 15-Oct-15	9d 0d			+		++							
C106050	Mobilization and Pre-drilling for AD Tank Socketed Steel-H Piles (16 Nos.)		48d	13-May-15	10-Jul-15	13-May-15	10-Jul-15	0d							Mobilizat	on and Pre-dril	ling for AD Tank	Sooketed Str	el-H Piles ((16
C106100	Installation of Pre-bored Socketed Steel-H Piles (64 Nos.)			21-May-15	06-Aug-15	21-May-15	06-Aug-15	0d					-		Ir	stallation of Pre	e-bored Sockete	d Steel-H Pile	es (64 Nos.)	.)
C106120	Proof Drilling		24d	07-Aug-15	03-Sep-15	07-Aug-15	03-Sep-15	0d							-	Proof Dril	ling			
C106140	Pile Load Test		24d	07-Aug-15	03-Sep-15	07-Aug-15	03-Sep-15	0d							-	Pile Load	Test			
C106160	Excavation		37d	01-Sep-15	15-Oct-15	01-Sep-15	15-Oct-15	0d									Excavation			
tallation of AD r.c C106180	2. Pile Cap AD Pump Room 1			16-Oct-15 16-Oct-15	11-Jan-16 05-Nov-15	16-Oct-15 16-Oct-15	11-Jan-16 05-Nov-15	0d 0d								1	AD Pur	ip Room 1		
C106200	AD Tank 1			06-Nov-15	26-Nov-15	06-Nov-15	26-Nov-15	0d 0d												
C106220	AD Tank 2			27-Nov-15	17-Dec-15	27-Nov-15	17-Dec-15	00 0d										AD Tank 2	,	
C106240	AD Tank 3			18-Dec-15	11-Jan-16	18-Dec-15	11-Jan-16	0d												
eneral				12-Jan-16	31-Mar-16	12-Jan-16	12-Apr-16	9d												
C106260	Backfilling to pile cap			12-Jan-16	04-Feb-16	12-Jan-16	04-Feb-16	0d										-	Backfilling	ng to
C106280	AD Pump Room 1		24d	12-Jan-16	11-Feb-16	14-Jan-16	13-Feb-16	2d											AD Pur	ump F
C106300	AD plinths		24d	29-Jan-16	29-Feb-16	12-Feb-16	10-Mar-16	9d										F		AD p
C106320	ABWF for Pump Buildings		18d	19-Feb-16	10-Mar-16	04-Mar-16	24-Mar-16	12d												<u> </u>
C106340	Foul Drain Connection		21d	05-Feb-16	03-Mar-16	01-Mar-16	24-Mar-16	18d												_ ;
C106360	Boundary Wall (Wall Stem)		24d	05-Feb-16	07-Mar-16	05-Feb-16	07-Mar-16	0d												Boun
C106380	Bund Wall		24d	01-Mar-16	31-Mar-16	11-Mar-16	12-Apr-16	9d											-	-
C106400	Concrete Plinths / Walls / Trenches		12d	23-Feb-16	07-Mar-16	23-Feb-16	07-Mar-16	0d											— c	Conc
C106420	ABWF Works		15d	08-Mar-16	24-Mar-16	08-Mar-16	24-Mar-16	0d	-											= /
C106440	Handover to E&M Works (Zone #3.2)		0d		24-Mar-16		24-Mar-16	0d											1	٠,
monia Stripper (Z	one #3.3)		96d	11-Jul-15	03-Nov-15	18-Feb-16	19-May-16	158d												
C107050	Pre-drilling for Ammonia Stripper Socketed Steel-H Piles (3 Nos.)			11-Jul-15 11-Jul-15	03-Nov-15 28-Jul-15	18-Feb-16 18-Feb-16	19-May-16 05-Mar-16	158d 181d												Dro
		1	150		20 001 10		50 mai 70	.010											P	Pre-d
		Activity		oat Bar																1

May	20 Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	20 Feb	17 Mar	Apr
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٠.	Hando	ver to E	&M Wor	ks (Zor	e #2.1)						
		•					Gre	en Roof	and Pla	nting Pr	eparatio
								— Gre	en Roo	f and Pl	anting V
									G	reen Ro	of Land
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- Fabri	cate & c	leliver St	ructural	Steelwo	ork						
Insta						at Bldg	182				
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			VF Wor								
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E&M Wo	rks (Blo	lg #3/Zo	ne #3.1)								
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/all (Wall	Stem)										
nd Wall											
inths / W	alls / Tr	enches									
Works											
/er to E&	M Work	s (Zone	#3.2)								
ar Ammo	nia Strin	per Soc	keted St	eel-H Pi	es (3 N	os.)					
	oup					/					
			Page	e 20	of 2	7		t: 02-			
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)	Activity Name		ganic Early Start	Waste Tr	Late Start	Late Finish	Total	nase 1	2015	SCAR Bioe	energy Joint Venture	e
		Duration						Nov Dec Jan Feb Mar Apr May	Jun Jul A	Aug Sep Oct	t Nov Dec Jan Feb	+
CC107100 CC107120	Installation of Pre-bored Socketed Steel-H Piles (6 Nos.) Proof Drilling		07-Aug-15	31-Aug-15	18-Feb-16 14-Mar-16	12-Mar-16 21-Mar-16	158d 158d		-			Installa
CC107120	Pile Load Test		01-Sep-15 09-Sep-15	08-Sep-15	22-Mar-16		158d					Proc
CC107160	Excavation		23-Sep-15	22-Sep-15 30-Sep-15	09-Apr-16	08-Apr-16 15-Apr-16	158d					
CC107180	Pile Cap		02-Oct-15	27-Oct-15	16-Apr-16		158d					
CC107180	Backfilling to pile cap		28-Oct-15	03-Nov-15	12-May-16	11-May-16 19-May-16	158d	····				
CC107200	Handover to E&M Works (Zone #3.3)	0d		03-Nov-15	12-Way-10	19-May-16	158d					
APCS Stack (Zon			11-Jul-15	23-Sep-16	03-Feb-16	16-Feb-17	117d					
		360d	11-Jul-15	23-Sep-16	03-Feb-16	16-Feb-17	117d		_			
CC108050	Pre-drilling for CAPCS Stack Socketed Steel-H Piles (1 No.)		11-Jul-15	20-Jul-15	03-Feb-16	15-Feb-16	171d					Pre-drilling fo
CC108100	Installation of Pre-bored Socketed Steel-H Piles (3 Nos.)	13d	07-Aug-15	21-Aug-15	03-Feb-16	20-Feb-16	148d			-		Installation
CC108120	Proof Drilling	4d	22-Aug-15	26-Aug-15	22-Feb-16	25-Feb-16	148d			•		Proof Dril
CC108140	Pile Load Test	12d	27-Aug-15	09-Sep-15	26-Feb-16	10-Mar-16	148d					Pile L
CC108160	Excavation	15d	10-Sep-15	26-Sep-15	11-Mar-16	31-Mar-16	148d					I
CC108180	Pile Cap		29-Sep-15	24-Oct-15	01-Apr-16	26-Apr-16	148d				L	
CC108200	Backfilling to pile cap	6d	26-Oct-15	31-Oct-15	27-Apr-16	04-May-16	148d					
CC108220	Erect structural steel support for CAPCS duct	18d	26-Nov-15	16-Dec-15	05-May-16	26-May-16	127d					+
CC108240	Handover to E&M Works (Zone #3.4)	Od		16-Dec-15		20-Jul-16	172d				•	
CC108260	ABWF Work	24d	26-Aug-16	23-Sep-16	17-Jan-17	16-Feb-17	117d					
ogas Cleaning & S	Storage Tank (Zone #3.5)		01-Sep-15 01-Sep-15	22-Jan-16 12-Nov-15	16-Oct-15 01-Apr-16	22-Jul-16 14-Jun-16	145d 171d	···				
CC109100	Excavation		01-Sep-15 01-Sep-15	14-Sep-15	01-Apr-16	15-Apr-16	171d			-		+
CC109120	Raft Foundations	18d	15-Sep-15	07-Oct-15	16-Apr-16	07-May-16	171d			—		+
CC109140	Foul Drainage Connections	12d	08-Oct-15	22-Oct-15	09-May-16	23-May-16	171d			•		
CC109160	Concrete Plinths	18d	23-Oct-15	12-Nov-15	24-May-16	14-Jun-16	171d			r	—	
CC109180	Backfilling Works	6d	06-Nov-15	12-Nov-15	07-Jun-16	14-Jun-16	171d					·····
	liogas Plant Room		16-Oct-15	22-Jan-16	16-Oct-15	22-Jul-16	145d			_		
CC109200	Excavation	11d	16-Oct-15	29-Oct-15	16-Oct-15	29-Oct-15	0d			-	Excavation	
CC109220	Raft Foundations	6d	30-Oct-15	05-Nov-15	27-Apr-16	04-May-16	144d				•	
CC109240	Underground Drainage Work	6d	06-Nov-15	12-Nov-15	05-May-16	11-May-16	144d					+
CC109260	R.C. structure of Plant Room	12d	13-Nov-15	26-Nov-15	12-May-16	26-May-16	144d					
CC109280	Clearance	4d	18-Dec-15	22-Dec-15	20-Jun-16	23-Jun-16	145d				•	
CC109300	ABWF Works	24d	23-Dec-15	22-Jan-16	24-Jun-16	22-Jul-16	145d					+
esulphurization T CC109320	anks Excavation		16-Oct-15 16-Oct-15	07-Nov-15 23-Oct-15	30-Jun-16 30-Jun-16	22-Jul-16 07-Jul-16	207d 207d					
CC109340	Raft Foundations		24-Oct-15	03-Nov-15	08-Jul-16	18-Jul-16	207d	····				
CC109360	Concrete Plinths		04-Nov-15		19-Jul-16	22-Jul-16	207d					
landover to E&M			22-Jan-16	22-Jan-16	22-Jul-16	22-Jul-16	145d					
CC109380	Handover to E&M Works (Zone #3.5)	0d		22-Jan-16	22-30F10	22-Jul-16	145d				•	+
eighbridge (Zone	#3.6)		20-Nov-15		25-Nov-15	16-Jun-16	61d					
CC110100	Excavation		20-Nov-15 20-Nov-15	01-Apr-16 03-Dec-15	25-Nov-15 25-Nov-15	16-Jun-16 08-Dec-15	61d 4d				Excavation	
CC110120	Control Room Footing	9d	04-Dec-15	14-Dec-15	09-Dec-15	18-Dec-15	4d				Control Room Fo	ooting
CC110140	Wall, Floor Slab and Stair	15d	15-Dec-15	04-Jan-16	19-Dec-15	08-Jan-16	4d				Wall, Floor	1 1
CC110160	Wall and Roof Slab	15d	05-Jan-16	21-Jan-16	18-Jan-16	03-Feb-16	11d				Wall	
CC110180	Parapet	6d	22-Jan-16	28-Jan-16	04-Feb-16	13-Feb-16	11d	····			Pa	1. 1.
CC110200	Backfill and Formation		29-Jan-16	04-Feb-16	18-Apr-16	23-Apr-16	61d					
CC110220	Concrete Structure for Weighbridge		05-Feb-16	27-Feb-16	25-Apr-16	16-May-16	61d					
CC110240	ABWF Work		29-Feb-16	01-Apr-16	17-May-16	16-Jun-16	61d					
CC110260	Handover to E&M Works (Zone #3.6)	0d		01-Apr-16	.,	16-Jun-16	61d					
scellaneous Wor			29-Jun-15	31-Dec-16	06-Oct-15	16-Mar-17	60d	···				
		433d	29-Jun-15	08-Dec-16	06-Oct-15	02-Mar-17	66d					
CC111100	Tree felling and transplanting (Excl. Natural Terrain)		29-Jun-15	27-Jul-15	30-Apr-16	30-May-16	249d					
CC111110	Tree felling and transplanting (Natural Terrain - if any)		23-Nov-15		31-Aug-16	28-Sep-16	228d					
CC111200	Standby Flare		13-Nov-15	19-Dec-15	15-Jun-16	22-Jul-16	171d					
CC111220	Boundary Fence	404	02-Jun-16	29-Jul-16	04-Nov-16	31-Dec-16	128d					

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ored	Sockete	d Steel-	H Piles (3 Nos.)								
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Back	filling to	pile cap										
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			Standby	Flare								
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Invironmenta	al Protection Department					SP/61/1				SUEZ		RosRc
			Organic V			t Facilit	ies Ph	hase 1		OSCAR Bioe		
ty ID	Activity Name		Original Early Start Duration	Early Finish	Late Start	Late Finish	Total Float	Nov Dec Jan Feb Mar	2015 Apr May Jun Ji	ul Aug Sep Oct	t Nov Dec	Jan Feb Ma
CC111240	Gate House		43d 16-Mar-16	10-May-16	13-Jul-16	31-Aug-16	94d			<u> </u>		
CC111260	Handover of Gate House for E&M Works		0d	10-May-16		31-Aug-16	94d					
CC111280	Sitewide Drainage		146d 17-Sep-15	15-Mar-16	06-Oct-15	05-Apr-16	14d					
CC111300	Sitewide Sewage		149d 02-Sep-15	03-Mar-16	28-Dec-15	30-Jun-16	95d					<u> </u>
CC111320	Sitewide Pipe Ducts, Trenches, Drawpits and Utilities		142d 05-Dec-15	01-Jun-16	22-Dec-15	18-Jun-16	14d					<u></u>
CC111340	Site Roadworks		47d 02-Jun-16	28-Jul-16	02-Jul-16	25-Aug-16	24d					
CC111360	NTH Mitigation works		77d 13-Jul-16	13-Oct-16	29-Sep-16	31-Dec-16	66d					
CC111370	Manmade Slope Stability Work		77d 13-Jul-16	13-Oct-16	29-Sep-16	31-Dec-16	66d					
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	66d					
Boundary Wall			101d 08-Mar-16	12-Jul-16	31-May-16	28-Sep-16	66d					++
CC111120	Excavation		43d 08-Mar-16	30-Apr-16	31-May-16	21-Jul-16	66d					•
CC111140	Footing and Wall		75d 08-Mar-16	10-Jun-16	31-May-16	27-Aug-16	66d					
CC111160	Backfilling		26d 11-Jun-16	12-Jul-16	29-Aug-16	28-Sep-16	66d					
Landscaping Wor			129d 29-Jul-16	31-Dec-16		16-Mar-17	60d					
CC111380	Preparation works		77d 29-Jul-16	29-Oct-16	07-Sep-16	08-Dec-16	34d					
CC111400	Planting works (incl. Compensatory Tree Planting)		26d 31-Oct-16	29-Nov-16	12-Jan-17	14-Feb-17	60d					
CC111420	Landscape Softworks		26d 30-Nov-16	31-Dec-16	15-Feb-17	16-Mar-17	60d					
Roadworks at Por CC111440	tion 2 Utitilities Diversion		145d 15-Apr-16 86d 15-Apr-16	07-Oct-16 28-Jul-16	20-Sep-16 20-Sep-16	16-Mar-17 03-Jan-17	130d 130d					
CC111460	Road Construction		102d 07-Jun-16	07-Oct-16	11-Nov-16	16-Mar-17	130d					
			457d 23-Mar-15				454					
	D UTILITIES WORKS y and Energization - CLP		117d 03-Mar-16	06-Oct-16 27-Jul-16	22-Apr-15 03-Mar-16	29-Nov-16 27-Jul-16	450 0d					
Electricity Suppl			117d 03-Mar-16	27-Jul-16	03-Mar-16	27-Jul-16	Od					
SW250100	Handover of Electrical Building and Transformer room to BS		117d 03-Mar-16 0d	27-Jul-16 03-Mar-16	03-Mar-16	27-Jul-16 03-Mar-16	0d 0d					
SW250100	Building services installation in Transformer room		38d 04-Mar-16		04-Mar-16	21-Apr-16	bu					•
	-			21-Apr-16	04-Iviai-10							
SW250140	Handover Transformer Room to CLP		0d	21-Apr-16	00 4== 40	21-Apr-16	0d					
SW250160	CLP to install transformers		90d 22-Apr-16	20-Jul-16	22-Apr-16	20-Jul-16	0d					
SW250180	Handover Associated cable duct to CLP		6d 31-Mar-16	07-Apr-16	04-Jun-16	11-Jun-16	53d					
SW250200	CLP to install HV cable and LV cable		26d 08-Apr-16	09-May-16	13-Jun-16	13-Jul-16	53d					
SW250220	Submit WR1 to CLP and CLP inspection		6d 10-May-16	17-May-16	14-Jul-16	20-Jul-16	53d					
SW250240	CLP install energy meter and energize power		6d 21-Jul-16	27-Jul-16	21-Jul-16	27-Jul-16	0d					
LIft Installation -	EMSD		17d 05-Aug-16 17d 05-Aug-16	29-Aug-16 29-Aug-16	17-Aug-16 17-Aug-16		8d 8d					
			17d 05-Aug-16	29-Aug-16	17-Aug-16	08-Sep-16	8d		+++			
SW250500	Submit Form LE5 to EMSD		10d 05-Aug-16	18-Aug-16	17-Aug-16	30-Aug-16	8d					
SW250520	EMSD Inspection		0d	18-Aug-16		30-Aug-16	8d					
SW250560	Lift Certificate (Use Permit) Obtained		0d	29-Aug-16		08-Sep-16	8d					
Fire Services - F	SD		47d 01-Aug-16	06-Oct-16	11-Aug-16	19-Oct-16	8d					·
			47d 01-Aug-16 47d 01-Aug-16	06-Oct-16 06-Oct-16	11-Aug-16 11-Aug-16	19-Oct-16 19-Oct-16	8d 8d					
SW251020	DG Inspection		0d	01-Aug-16		11-Aug-16	8d					
SW251040	DG Re-inspection		0d	15-Aug-16		25-Aug-16	8d					
SW251100	Re-submit Form FS314		10d 16-Aug-16	29-Aug-16	26-Aug-16	08-Sep-16	8d					
SW251140	Submit Form FS501		10d 16-Aug-16	29-Aug-16	26-Aug-16	08-Sep-16	8d					
SW251160	FSD Inspection		Od	29-Aug-16		08-Sep-16	8d					
SW251180	FSD Re-inspection		Od	12-Sep-16		23-Sep-16	8d					
SW251200	F.S. Approval Certificate FS251 & DG Certificate		17d 13-Sep-16	06-Oct-16	26-Sep-16	19-Oct-16	8d					
Plumbing - WSD			62d 01-Jun-16	30-Aug-16	27-Jun-16	14-Sep-16	11d					ļļ
			62d 01-Jun-16 62d 01-Jun-16	30-Aug-16 30-Aug-16	27-Jun-16 27-Jun-16	14-Sep-16 14-Sep-16	11d 11d					
SW252000	Submit Form WW046 Part IV - Request for Inspection (FS Water Supply)		Od	01-Jun-16		27-Jun-16	17d					
SW252020	WSD inspection and reinspection (FS Water Supply)		21d 02-Jun-16	04-Jul-16	28-Jun-16	27-Jul-16	17d					
SW252040	Form WW046 Part V (FS Water Supply)		21d 05-Jul-16	02-Aug-16	28-Jul-16	25-Aug-16	17d					
SW252100	Submit Form WW046 Part IV - Request for Inspection (Fresh Water Supply	/)	Od	30-Jun-16		18-Jul-16	11d		1			
SW252120	WSD inspection and reinspection (Fresh Water Supply)		21d 04-Jul-16	01-Aug-16	19-Jul-16	16-Aug-16	11d					
SW252140	Form WW046 Part V (Fresh Water Supply)		21d 02-Aug-16	30-Aug-16	17-Aug-16	14-Sep-16	11d					

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				R1 to C	LP and	CLPI	nspection				
			CLP ins	stall ene	rgy mete	r and	energize	power			
				Submi	t Form I	E5 to	EMSD				
			•	EMSD	Inspec	tion					
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		Submi	ur orm W	vv046 I	rantiv -	rcequ	est for Ins	pection	ro Wa	uer Supp	iy)
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he HKSAR		O1	rganic V	Waste Tr	eatmen	t Facilit	ies Pl	hase 1				OSC	CAR B	lioener	rgy Joi	int Vent	osRo ture	
D	Activity Name		Early Start	Early Finish	Late Start	Late Finish	Total Float		r May		2015 Jul				Nov Dec			r
ecommunication	n		d 02-Jun-16	10-Aug-16	20-Jun-16	-	11d											Ŧ
			d 02-Jun-16 d 02-Jun-16	10-Aug-16 10-Aug-16	20-Jun-16 20-Jun-16	25-Aug-16 25-Aug-16	11d 11d											
SW253100	Handover plant room and cable duct to Telecom Company	5d	d 02-Jun-16	08-Jun-16	20-Jun-16	24-Jun-16	11d											
SW253120	Telecom. Company to install cable and Equipment	43d	d 10-Jun-16	10-Aug-16	27-Jun-16	25-Aug-16	11d											
hers			d 23-Mar-15	03-Oct-16	22-Apr-15		40d											
			d 23-Mar-15 d 23-Mar-15	03-Oct-16 03-Oct-16	22-Apr-15 22-Apr-15	29-Nov-16 29-Nov-16	40d 40d											
SW260100	Registration of Boilers & Pressure Vessels	20d	d 05-Sep-16	03-Oct-16	02-Nov-16	29-Nov-16	40d											
SW260120	Approval for installation of furnaces, ovens or chimneys	20d	d 24-Jun-16	22-Jul-16	21-Jul-16	17-Aug-16	18d											
SW260160	Chemical Waste Producer Registration (Site)	20d	d 23-Mar-15	22-Apr-15	22-Apr-15	20-May-15	19d		4	¢hemic	cal Waste	Produce	er Regist	tration (\$ite	*)			
SW260162	Chemical Waste Producer Registration (Plant)	20d	d 16-Jun-16	14-Jul-16	21-Jul-16	17-Aug-16	24d											
SW260170	Storage Approval for Chemicals (Control of Chemicals Regulation)	20d	d 02-Jun-16	30-Jun-16	21-Jul-16	17-Aug-16	33d						[]					
M INSTALLAT	ION WORKS	285d	d 15-Dec-15	30-Nov-16	31-Dec-15	30-Nov-16	0d											
ste Receiving, S	Storage and Feeding System		d 04-Feb-16	05-Jul-16	28-Apr-16		61d											
			d 04-Feb-16 d 04-Feb-16	05-Jul-16 05-Jul-16	28-Apr-16 28-Apr-16	14-Sep-16 14-Sep-16	61d 61d											
EM100100	Installation of Overhead Grabbing System		d 18-Apr-16	17-May-16	28-Apr-16	27-May-16	9d											
EM180100	Installation of Weighbridge System 1	32d	d 02-Apr-16	11-May-16	17-Jun-16	25-Jul-16	61d											
EM180150	Installation of Weighbridge System 2	32d	d 12-May-16	20-Jun-16	09-Aug-16	14-Sep-16	73d											
EM180200	Installation of Computer System	66d	d 02-Apr-16	22-Jun-16	29-Jun-16	14-Sep-16	71d											
EM180250	Cable Tray Laying Works	18d	d 12-May-16	02-Jun-16	26-Jul-16	15-Aug-16	61d											
EM180300	Cabling Works	26d	d 03-Jun-16	05-Jul-16	16-Aug-16	14-Sep-16	61d	<mark> </mark>										
EM180350	Completion of E&M Installation of Waste Receiving, Storage and Feeding System	Od	t	05-Jul-16		14-Sep-16	61d											
EM190100	Vehicle Washing System / Bin Handling Machine / Water Canon System	50d	d 04-Feb-16	09-Apr-16	12-May-16	13-Jul-16	77d									ſ		-
-Treatment Syst	tem	155d	d 04-Feb-16	15-Aug-16	24-Feb-16	14-Sep-16	26d											
			d 04-Feb-16	15-Aug-16	24-Feb-16	14-Sep-16	26d											
EM100150	Installation of Reception Hopper 1 and Screw Conveyors		d 04-Feb-16 d 18-Apr-16	15-Aug-16 09-May-16	24-Feb-16 29-Jun-16	14-Sep-16 20-Jul-16	26d 59d											
EM100200	Installation of Crusher No 1	12d	d 10-May-16	24-May-16	21-Jul-16	03-Aug-16	59d											
EM100250	Installation of Reception Hopper 2 and Screw Conveyors	12d	d 10-May-16	24-May-16	21-Jul-16	03-Aug-16	59d											
EM100300	Installation of Crusher No 2	18d	d 25-May-16	15-Jun-16	04-Aug-16	24-Aug-16	59d											
EM100350	Installation of Pumps and Mixers / Macerator / Compressed Air System	18d	d 16-Jun-16	07-Jul-16	25-Aug-16	14-Sep-16	59d											
EM100400	Installation of Sieve Drum no 1	28d	d 04-Feb-16	10-Mar-16		16-Jun-16	77d											
EM100450	Installation of Sieve Drum no 2	28d	d 11-Mar-16	16-Apr-16	17-Jun-16	20-Jul-16	77d										_	
	Installation of Sand Grit Trap No 1 / Metal Separator			30-Apr-16	21-Jul-16		77d											
EM100550	Installation of Sand Grit Trap No 2 / Metal Separator		d 03-May-16	17-May-16	04-Aug-16		77d											
EM100600	Installation of Heavy/ Light Fraction Screw No 1		d 18-May-16	31-May-16	18-Aug-16	31-Aug-16	77d											
EM100650	Installation of Heavy/ Light Fraction Screw No 2		d 01-Jun-16	15-Jun-16	01-Sep-16	14-Sep-16	77d											
EM100000	Installation of Overhead Travelling Crane		d 18-Apr-16	09-May-16	06-May-16	27-May-16	15d											
EM100750	Installation of Suspension buffer tank		d 04-Feb-16	15-Mar-16			77d											
EM100730	Cable Tray Laying Work		d 04-Feb-16	31-May-16	24-Feb-16	17-Jun-16	14d											_
EM100850	Cable Tay Laying Work		d 16-Mar-16	19-Jul-16	06-Apr-16	04-Aug-16	14d					·	ļ					
EM100890	Associated Building Service Works		d 06-May-16	09-Aug-16	24-May-16	25-Aug-16	14u											
EM10090B	Remaining Cabling and Building Services Works on 1/F		d 18-May-16	15-Aug-16	24-May-16		9d											
EM10095B	Completion of E&M Installation of Pre-Treatment System	0d	-	15-Aug-16	20'iviay=10	14-Sep-16	26d											
stallation of Switchb			d 18-Apr-16	06-Jun-16	18-Apr-16	06-Jun-16	200 0d											
		41d	d 18-Apr-16	06-Jun-16	18-Apr-16	06-Jun-16	0d											
EM101050	Installation of Swithboard at Pre-treatment Swichboard room		d 18-Apr-16	06-Jun-16	18-Apr-16	06-Jun-16	0d											
aerobic Digestio	on Treatment System		<mark>d 29-Mar-16</mark> d 29-Mar-16	12-Sep-16 12-Sep-16	29-Mar-16 29-Mar-16	12-Sep-16 12-Sep-16	0d 0d											
		139d	d 29-Mar-16	12-Sep-16	29-Mar-16	12-Sep-16	0d						ļļ					
EM110100	Installation of Digester Tank No.1 with Jet Mixing System		d 29-Mar-16	13-Jul-16	29-Mar-16	13-Jul-16	0d											
EM110150	Installation of Digester Tank No.2 with Jet Mixing System		d 14-Apr-16	28-Jul-16	14-Apr-16	28-Jul-16	0d											
EM110200	Installation of Digester Tank No.3 with Jet Mixing System	87d	d 29-Apr-16	12-Aug-16	29-Apr-16	12-Aug-16	0d											
EM110250	Installation of Link Bridge for Digester Tanks	26d	d 13-Aug-16	12-Sep-16	13-Aug-16	12-Sep-16	0d											
EM110300	Installation of pumping system	18d	d 03-Aug-16	23-Aug-16	09-Aug-16	29-Aug-16	5d											
EM110350	Installation of Odour Extraction Ductworks	39d	d 29-Jul-16	12-Sep-16	29-Jul-16	12-Sep-16	0d											
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May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
	 _	Handov	er nlant	room ar	d cable	duct to	Telecom	Compa	nv.		
		linandov	<u> </u>					1			
				Telecor	n. Comp	any to i	nstall cal	ble and E	Equipme	int	
							Regist	ration of	Boilers	& Press	sure Ves
			A	¦ bproval	t for insta	l Ilation o	f furnace	s. oven	¦ s or chi	¦ mnevs	
		<u> </u>	c	; themical	Waste	: Produce	r Regist	ration (F	lant)		
			S	torage A	pproval	for Che	micals (Control	of Chem	icals Re	gulation
	Installa	tion of C	verhead	Grabb	ing Syst	em					
		_	Installat	on of W	eighbrio	ige Syst	em 1				
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				La	abling W	DIKS					
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		Ve	hicle Wa	, ishina S	vstem /	; Bin Han	dling Ma	chine / V	Vater C	anon Sv	stem
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		"	nstallatio 	n of Re	ception I	Hopper	1 and Sc	rew Cor	veyors		
			Insta	ation of	Crushe	r No 1					
			Inetal	ation of	Pacant	on Hon	per 2 and	Scrow	Conve	ore	
			- mota		Recept			Jonew	Conve	013	
	;			Installat	ion of C	rusher I	lo 2				
 				in:	stallation	of Pum	ps and I	/ Mixers/	Macera	tor / Cor	npresse
							(
	Ir	stallation	of Siev	e Drum	no 1						
		- 1	hstallatio	in of Sie	ve Drun	no 2					
			Instal	hatian of	Cond C	u Tree		atal Can			
			Insta	lation of	Sand G	ппар	No 1 / M	etai Sep	arator		
			In	stallatio	n of Sar	d Grit T	rap No 2	/ Metal	Separa	or	
				Instal	ation of	Heavy/	Light Fra	ction Sc	rew No	1	
				insta		icuvy/	light i fe				
	, <mark></mark>			In:	stallatior	of Hea	vy/ Light	Fractior	Screw	No 2	
	Installa	tion of C	verhead	; Travel	ing Crar	ie					
					-						
	_	Installatio	on of Su	spensio	n buffer	tank					
	i c	able Tra	; y Laying	Work							
			- Cabli	ng Worl	s						
				Associa	ted Bui	ding Se	vice Wo	rks			
	:	:		Pomo			Building	Sandar	h Work	nn 1/F	
			_	rtemal	⊪iy ∪aD	ing and	Balland	Jei VICE			
			•	— Co	mpletio	n of E&	/I Installa	tion of F	re-Trea	tment S	ystem
				·							·
	Inst	allation o	Swithb	bard at I	Pre-trea	tment S	wichboai	d room			
							1				
		lns	tallation	of Diae	ter Tan	k No.1	vith Jet N	lix ina Sv	stem		·
			Installa	tion of E	igester	Tank No	.2 with J	et Mixin	g Syste	m	
	, ,		Ins	; tallation	of Diges	ter Tan	k No.3 w	ith Jet N	lix ing S	ystem	
				lns	tallation	ot Link	Bridge fo	or Digest	er Tank	s	
				Installa	tion of p	umping	system				
		 	<u>.</u>		tallation	of Ode	ur Extrac	tion Du	tworks		·
					anduun		un ∟⊼ua(- WOIKS		
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0	Activity Name	Original Early	Start Early Finish		Late Finish	Total	ase I					2015		SCAR Bio	energy	y Join	t Vent	ure	
EM110400	Installation of Intermediate Digestate Tank	Duration			12 Can 40	Float 5d	Nov De	ec Jar	n Feb I	Mar Apr	May	Jun	Jul Au	ıg Sep C	Oct Nov	Dec	Jan F	eb Ma	1ar Ap
M110400	Cable Tray Laying Work	12d 24-Au 92d 06-Ap	· · · ·	30-Aug-16 13-Apr-16	12-Sep-16 02-Aug-16	6d													_
EM110420	Cabling Works	95d 16-Ma		23-May-16		6d													
EM110440	Completion of E&M Installation of Anaerobic Digestion Treatment System	0d	12-Sep-16	20-Way-10	12-Sep-10	00 D0													
		39d 29-Ma		00 1-140															
stallation of Switchl		39d 29-Ma	ar-16 16-May-16	28-Jul-16 28-Jul-16	10-Sep-16 10-Sep-16	99d 99d													
EM110500	Installation of Swithboard at Swichboard room no 2	39d 29-Ma		28-Jul-16	10-Sep-16	99d													
at Recovery and	d Power Generation System	126d 04-Ju 126d 04-Ju		04-Jul-16 04-Jul-16	30-Nov-16 30-Nov-16	00 D0													
EM120100	Installation of Combine Heat Power System no 1	126d 04-Ju 39d 04-Ju			30-Nov-16 17-Aug-16	D0 D0													
EM120100	Installation of Combine Heat Power System no 2	40d 18-Au				7d													
EM120130	Installation of Combine Heat Power System no 2	400 18-A0	-	26-Aug-16 15-Oct-16	30-Nov-16	7d													
EM120200	Installation of Heat Recovery system / H2S Polishing	26d 18-Au		18-Aug-16		0d													
EM120230	Installation of Electric Boiler	39d 29-Au	· · · · ·	29-Aug-16		0d													
			-																
EM120350	Installation of Continuous Emissions Monitoring System (CEMS)	26d 01-No		01-Nov-16		0d													
EM120400	Cable Tray Laying Works	26d 01-No		01-Nov-16		0d													
EM120450	Cabling Works	39d 17-Oc		17-Oct-16		0d													
EM120500	Completion of E&M Installation of Heat Recovery and Power Generation System	Od	30-Nov-16		30-Nov-16	0d													
ogas Cleaning a	and Storage System	108d 02-Ju 108d 02-Ju		23-Jul-16 23-Jul-16	29-Nov-16 29-Nov-16	18d 18d													
EM420400	Installation of Dis Cost Classics Durban on 4	108d 02-Ju	l-16 08-Nov-16	23-Jul-16	29-Nov-16	18d													
EM130100	Installation of Bio Gas Cleaning System no.1	26d 02-Ju			22-Aug-16	18d													
EM130150	Installation of Bio Gas Cleaning System no.2	26d 02-Au		23-Aug-16		18d													
EM130200	Installation of Bio Gas Cleaning Storage Tank	26d 01-Se	·	14-Oct-16	12-Nov-16	34d													
EM130300	Installation of Desulphirsation	12d 01-Se		11-Oct-16	24-Oct-16	31d													
EM130350	Associated Bio gas Conveying Duct Works	31d 15-Se		25-Oct-16	29-Nov-16	31d													
EM130400	Cable Tray Laying Works	39d 01-Se		23-Sep-16		18d													
EM130450	Cabling Works	17d 20-Oc				18d													
EM130500	Completion of E&M Installation of Biogas Cleaning and Storage System	Od	08-Nov-16		29-Nov-16	18d													
ogas Distribution	n System	74d 02-Ju 74d 02-Ju		28-Jul-16 28-Jul-16	29-Nov-16	52d 52d													
		74d 02-Ju	I-16 27-Sep-16	28-Jul-16	29-Nov-16	52d													
EM130250	Installation of Standby Flaring Gas Unit	18d 02-Ju		28-Jul-16	17-Aug-16	22d													
EM130260	Installation of Biogas Blowers	18d 02-Ju		01-Sep-16		52d													
EM130270	Installation of Biogas Cooling and Condensate Removal System	18d 02-Ju		01-Sep-16		52d													
EM130280	Cable Tray Laying Works	39d 23-Ju				52d													
EM130290	Cabling Works	17d 07-Se	· · · · · · · · · · · · · · · · · · ·	10-Nov-16		52d													
EM130295	Completion of E&M Installation of Biogas Disgtribution System	Od	27-Sep-16		29-Nov-16	52d													
astewater Treatr	ment System	94d 26-Fe 94d 26-Fe		26-Apr-16 26-Apr-16	17-Aug-16 17-Aug-16	47d 47d													
		94d 26-Fe	b-16 22-Jun-16	26-Apr-16	17-Aug-16	47d												<u> </u>	
EM140100	Installation of Pumping System and associated pipework	40d 26-Fe		26-Apr-16	14-Jun-16	47d													
EM140150	Installation of Aeration Pipework	24d 18-Ap			13-Jul-16	47d													
EM140200	Installation of Odour Containment System	26d 18-Ma		14-Jul-16	12-Aug-16	47d													
EM140250	Installation of Odour Extraction Ductwork	21d 28-Ma		25-Jul-16	17-Aug-16	47d													
EM140300	Installation of Ammonia Stripping Plant	51d 14-Ap	r-16 15-Jun-16	20-May-16	20-Jul-16	29d													
EM140350	Cable Tray Laying Works	21d 18-Ap	r-16 12-May-16	23-Jun-16	18-Jul-16	54d													
EM140400	Cabling Works	26d 13-Ma	ay-16 14-Jun-16	19-Jul-16	17-Aug-16	54d													
EM140450	Completion of E&M Installation of Wastewater Treatment System	Od	22-Jun-16		17-Aug-16	47d													
mposting Syste	em I Composting 1 to 6	144d 24-Ma 126d 24-Ma		31-May-16 31-May-16	19-Nov-16 29-Oct-16	6d 6d													
		126d 24-Ma	ay-16 22-Oct-16	31-May-16	29-Oct-16	6d													
EM160100	Installation Air Extraction Ductwork	75d 24-Ma		31-May-16		6d													
EM160150	Installation of Water Spraying System	51d 22-Au		29-Aug-16		6d													
stallation of Leacha	ate Treatment System	18d 24-Oc 18d 24-Oc			19-Nov-16 19-Nov-16	6d 6d													
EM160200	Installation of Leachate Treatment System	18d 24-00		31-Oct-16	19-Nov-16	6d													
stallation of Matura	ation Area	108d 24-Ma	ay-16 29-Sep-16	13-Oct-16	19-Nov-16	42d													
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	0-0-TM-0001-D, Date: 02-Sep-2015	♦ Milestone Critical																	

Contract Programme for the Design and Construction Works (v1.4) 2016 May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr Installation of Intermediate Digestare Tank Cable Tray Laying Work Cabling Works ◆ Completion of E&M Installation of Anaerobic Digestion Trea Installation of Swithboard at Swichboard room no 2 Installation of Combine Heat Power System no 1 Installation of Combine Heat Power System no 2 Installation of Combine Heat Power S Installation of Heat Recovery system / H2S Polishing Installation of Electric Boiler Installation of Continuous Emissions Cable Tray Laying Works Cabling Works Completion of E&M Installation of Hea Installation of Bio Gas Cleaning System no.1 Installation of Bio Gas Cleaning System no.2 Installation of Bio Gas Cleaning Storage T Installation of Desulphirsation Associated Bio gas Conveying Duct V Cable Tray Laying Works Cabling Works Completion of E&M Installation of Biog Installation of Standby Flaring Gas Unit Installation of Biogas Blowers Installation of Biogas Cooling and Conde Cable Tray Laying Works Cabling Works ٠. Completion of E&M Installation of Biog Installation of Pumping System and associated pipework Installation of Aeration Pipework Installation of Odour Containment System Installation of Odour Extraction Ductwork Installation of Ammonia Stripping Plant Cable Tray Laying Works Cabling Works Completion of E&M Installation of Wastewater Treatment Syst ÷. Linstallation Air Extraction Ductwork Installation of Water Spraying System Installation of Leachate Treatment Syste Page 24 of 27 print: 02-Sep-15 10:50 © Oracle Corporation

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)	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Nov De	ec Jan	Feb	Mar Apr	May .	201 Jun	 ug Sej	p Oct	Nov	Dec	Jan F	eb Mar	r Apr
EM160250	Installation Air Extraction System		24-May-16 22-Aug-16	29-Sep-16 10-Sep-16	13-Oct-16 13-Oct-16	19-Nov-16 02-Nov-16	42d 42d													
EM160300	Installation of Sieve / Belt Conveyor		12-Sep-16	22-Sep-16	03-Nov-16	12-Nov-16	42d													
EM160350	Installation of Bagging Facilities	6d	23-Sep-16	29-Sep-16	14-Nov-16	19-Nov-16	42d													
EM160400	Installation of Mobile Mixer	2d	24-May-16	25-May-16	25-Oct-16	26-Oct-16	127d													
EM160450	Cable Tray Laying Works	9d	26-May-16	04-Jun-16	27-Oct-16	05-Nov-16	127d							 						
EM160500	Cabling Works	12d	06-Jun-16	20-Jun-16	07-Nov-16	19-Nov-16	127d													
stallation of Structur	rant Storage Area	44d	24-May-16	15-Jul-16	19-Jul-16	07-Sep-16	46d													
EM160550	Installation Air Extraction System		24-May-16 24-May-16	15-Jul-16 23-Jun-16	19-Jul-16 19-Jul-16	07-Sep-16 17-Aug-16	46d 46d													
EM160600	Installation of Structurant Storage System		24-May-16	06-Jun-16	04-Aug-16	17-Aug-16	60d							 						
EM160650	Cable Tray Laying Works		24-Jun-16	08-Jul-16		31-Aug-16	46d													
EM160700	Cabling Works		02-Jul-16	15-Jul-16		07-Sep-16	46d													
	te Dewatering System		16-Jul-16	24-Sep-16	08-Sep-16	19-Nov-16	46d													
Ū		60d	16-Jul-16	24-Sep-16	08-Sep-16	19-Nov-16	46d							 		ļļ.				
EM160750	Installation of Centrifuges		16-Jul-16	26-Jul-16	08-Sep-16	19-Sep-16	46d													
EM160800	Instillation of Sludge Pumping system		27-Jul-16	05-Aug-16	24-Oct-16	02-Nov-16	73d													
EM160850	Installation of Screw Conveyors System		06-Aug-16	16-Aug-16	03-Nov-16	12-Nov-16	73d													
EM160900	Installation of Dewatering Storage Tank	4d	17-Aug-16	20-Aug-16	14-Nov-16	17-Nov-16	73d													
EM160950	Installtion of Strirer		22-Aug-16	23-Aug-16	18-Nov-16	19-Nov-16	73d					ļļ.		 						
EM161000	Cable Tray Laying Work		22-Jul-16	09-Sep-16	14-Sep-16	05-Nov-16	46d													
EM161050	Cabling Works	43d	05-Aug-16	24-Sep-16	29-Sep-16	19-Nov-16	46d													
omposting System			24-May-16 24-May-16	12-Nov-16 12-Nov-16	15-Aug-16 15-Aug-16	19-Nov-16 19-Nov-16	6d 6d													
EM161100	Completion of E&M Installation of Composting System	0d		12-Nov-16		19-Nov-16	6d													
EM161150	Installaton Electrical Switchboard Room no 4	39d	24-May-16	09-Jul-16	15-Aug-16	29-Sep-16	69d							 						
ntralized Air Pol	lution Control System	108d	18-Apr-16	25-Aug-16	06-Jun-16	10-Nov-16	63d													
			18-Apr-16 18-Apr-16	25-Aug-16 25-Aug-16	06-Jun-16 06-Jun-16	10-Nov-16 10-Nov-16	63d 63d													
EM150100	Installation of Chemical Scrubber		18-Apr-16	19-May-16	06-Jun-16	07-Jul-16	40d													
EM150150	Installation of Dosing Pumps, associated pipeworks and Stack Unit	26d	28-Apr-16	30-May-16	17-Jun-16	18-Jul-16	40d				++	++-	•••••	 		++-				
EM150200	Installation of Activated Carbon Filter	26d	31-May-16	30-Jun-16	12-Oct-16	10-Nov-16	110d													
EM150250	Installation of Odour Extraction Duct Work	77d	26-May-16	25-Aug-16	21-Jul-16	21-Oct-16	46d													
EM150300	Installation of Chemical Storage Tanks	26d	31-May-16	30-Jun-16	19-Jul-16	17-Aug-16	40d													
EM150350	Cable Tray Laying Works	34d	20-May-16	29-Jun-16	30-Aug-16	11-Oct-16	85d													
EM150400	Cabling Works	26d	30-Jun-16	30-Jul-16	12-Oct-16	10-Nov-16	85d							 		++-				
EM150450	Completion of E&M Installation of Centralized Air Pollution Control System	0d		25-Aug-16		10-Nov-16	63d													
EM150500	Installation of Swithboard at CAPCS Swichboard room	42d	07-Jun-16	27-Jul-16	07-Jun-16	27-Jul-16	0d													
ministration Offi	ces & Visitor Areas	151d	04-Feb-16	10-Aug-16	13-May-16	25-Aug-16	13d													
			04-Feb-16 04-Feb-16	10-Aug-16 10-Aug-16	13-May-16 13-May-16	25-Aug-16 25-Aug-16	13d 13d							 						
EM17010B	Building Service Installation of Adminstration Offices		18-Apr-16	01-Jun-16	13-May-16	27-Jun-16	21d													•
EM17012B	Lift Installation of Adminstration Offices	60d	25-May-16	04-Aug-16	06-Jun-16	16-Aug-16	10d													
EM170150	Visitor and Educational Centre	40d	02-Jun-16	20-Jul-16	11-Jul-16	25-Aug-16	31d													
EM17020B	Completion of E&M Installation of Administration Offices & Visitor Areas	0d		10-Aug-16		25-Aug-16	13d													
M170250	Installation of Electrical Switchboard Room no 3	41d	04-Feb-16	29-Mar-16	08-Jun-16	27-Jul-16	98d				+		····-	 		++-				a ¦
neral		234d	15-Dec-15	29-Sep-16	31-Dec-15	20-Oct-16	16d													
			15-Dec-15 15-Dec-15	29-Sep-16 29-Sep-16	31-Dec-15 31-Dec-15	20-Oct-16 20-Oct-16	16d 16d													
EM190150	Insturmentation, Control & Monitoring System (SCADA/PLC)		18-Apr-16	19-Aug-16	16-May-16	14-Sep-16	22d													
EM19020B	Building Services and Management System	125d	18-Apr-16	14-Sep-16	18-Apr-16	14-Sep-16	0d -				1			 		1				•
EM19021B	Switchboard and MCC Installation	100d	18-Apr-16	16-Aug-16	18-Apr-16	16-Aug-16	0d													•
EM19022B	Cables and Accessories, Cable Containment System Installation	115d	18-Apr-16	02-Sep-16	29-Apr-16	14-Sep-16	10d													
EM19023B	Earthing and Lightning System Installation	210d	15-Dec-15	31-Aug-16	31-Dec-15	14-Sep-16	12d										-	-		
EM19024B	Emergency Genset Installation	30d	08-Jul-16	11-Aug-16	22-Jul-16	25-Aug-16	12d													
EM19025B	Equipment at Gate House	12d	11-May-16	25-May-16	01-Sep-16	14-Sep-16	94d							 		++-				
EM19030B	ELV System Installation	60d	22-Jun-16	31-Aug-16	07-Jul-16	14-Sep-16	12d													
										1	1			1	:	1	<u> </u>			

		016							-	17	
May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
						Inoto	lation Air	Extract			
						Insta	iauon Aii	EXILACI	UII Sys	lem	
						— Ins	tallation	of Sieve	/ Belt C	onveyo	r
				_			nstallatio	n of Bad	iaina Fa	cilities	
-						Installa	tion of M	obile Mi	ker		
	.					 Cabl 	e Tray L	aying W	brks		
							ahlina V	Varles			
							Cabling V	VUIKS			
				otollotio	h Air Evt	raction	Suptom				
<u> </u>				stallatio		raction	System				
			In	stallatio	n of Stru	cturant	Storage	System			
				Cable	Trav La	ying Wa	rks				
		_				-					
				Cab	ling Wor	ks					
Ļ											
				!	hstallatio	on of Ce	ntrifuges				
			•			Instila	ation of S	ludge P	umping	system	
						- Ins	tallation	U SCLEI		eyurs Sy	อเซท
						Ir	nstallatio	n of Dev	vatering	Storage	Tank
			L L			I	nstalltion	of Strire	er		
				_		 Cabl 	e Tray L	aying W	brk		
							abling V	Vorks			
						٠.	Completi	on of E&	M Insta	llation of	Compo
					Install		talaal C.		nd Daa		
					Installa	ton Ele	ctrical Sv	vitchboa	ra Rooi	n no 4	
		- Inst	allation o	f Chemi	cal Scru	bber					
		Ir	Istallatio	n of Dos	ing Purr	ips, ass	ociated	pipeworl	ts and \$	Stack Ur	hit
		Ĺ				Ins	tallation	of Activa	ted Car	hon Filte	ər
					I	nstallati	on of Od	our Extr	action [ouct Wo	rk
			In	stallatio	h of Che	mical St	orage Ta	anks			
					— Ca	ple Iray	Laying \	Vorks			
						🗕 Ca	bling Wo	rks			
			•			Co	mpletion	of F&M	Installa	tion of C	entralize
											or in chille
			Installa	tion of S	withboa	d at CA	PCS Sw	ichboard	l room		
	<u> </u>	Buildin	Servic	e Installa	tion of A	dminstr	ation Off	ices			
				ft Install	ation of A	dminstr	ation Of	fices			
				visitor a	and Edu	cational	Centre				
			←	Comple	tion of E	&M Inst	allation o	f Admin	stration	Offices	& Visito
·	·		Installa	tion of F	lectrical	Switchh	oard Ro	000 00 3			
			motdlid		Jourodi	Switchill	JULIU RU	511110 3			
:				In	sturmon	tation C	ontrol &	Monitor	na Svet	em (SC	
				Bu	ilding Se	rvices a	and Man	agemen	t Syster	n	
			s s	vitchboa	ard and	MCC Ins	stallation				
									nteir	nt Curri	
				— Ca	wies an	u ACCES	sories, C	able Co	ntainm	ent Syste	em insta
				Ea	rthing a	nd Light	ning Sys	tem Inst	allation		
				Emerge	ncv Ge	hset Ins	tallation				
				— Ec	juipmen	at Gate	House				
				- EL	V Syste	m Instal	ation				
			Page	e 25	of 2	7	prin	t: 02-	Sep-	15 10	:50

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ne HKSAR	I Protection Department	Contract No. EP/SP/61/10 Organic Waste Treatment Facilities Phase 1								SUEZ A RosRoca OSCAR Bioenergy Joint Venture					Contract Programme for the Design an Construction Works (v1					
	Activity Name	Original Early Start Duration			Late Finish	Total		1		20	015	JSCAR	sidenerg	y Joint v	enture		201	6		20
1M40050D	Disform & Lingdolle (CDD)		20.0	20 447 40	20.0++ 40	Float	Nov D	Dec Jan Feb M	1ar Apr	May Jun	Jul A	Aug Sep	Oct Nov	/ Dec Ja	n Feb Ma	ar Apr M	/lay Jun	Jul Aug S		Nov Dec Jan Feb
M19050B	Platform & Handrails (FRP)	45d 08-Aug-16	29-Sep-16		20-Oct-16	16d													_ :	atform & Handrails (FRP)
M200100	Permanent Moblie Plants	45d 08-Aug-16	29-Sep-16	26-Aug-16		16d													P	ermanent Moblie Plants
ergisation of Sv	witchboards	1d 28-Jul-16 1d 28-Jul-16	28-Jul-16 28-Jul-16	28-Jul-16 28-Jul-16	30-Sep-16 30-Sep-16	54d 54d														
		1d 28-Jul-16	28-Jul-16	28-Jul-16	30-Sep-16	54d														
N100100	Energisation of Switchboard (Main LV Switchroom)	1d 28-Jul-16	28-Jul-16	28-Jul-16	28-Jul-16	0d												Energișati	on of Switchb	oard (Main LV \$witchroom)
N100150	Energisation of Switchboard (For Anaerobic Digestion System and Dewatering System)	1d 28-Jul-16	28-Jul-16	12-Sep-16	12-Sep-16	39d												4	Energisation	of Switchboard (For Anaerobi
N100200	Energisation of Switchboard (For Adminstration Building)	1d 28-Jul-16	28-Jul-16	28-Jul-16	28-Jul-16	0d												Energisati	on of Switchb	oard (For Adminstration Building
N100250	Energisation of Switchboard (For Composting System)	1d 28-Jul-16	28-Jul-16	30-Sep-16	30-Sep-16	54d													Energi	ation of Switchboard (For Con
N100300	Energisation of Switchboard (For Pre-Traetment System)	1d 28-Jul-16	28-Jul-16	28-Jul-16	28-Jul-16	0d												Energisati	on of Switchb	oard (For Pre-Traetment Syste
N100350	Energisation of Switchboard (For Centralized Air Pollution System)	1d 28-Jul-16	28-Jul-16	28-Jul-16	28-Jul-16	0d												Energișati	on of Switchb	oard (For Centralized Air Polluti
TING AND CI	OMMISSIONING	189d 29-Jul-16	16-Mar-17	18-Aug-16	16-Mar-17	0d														
	Iding hydraulic testing & pipe pressure testing)	134d 29-Jul-16	07-Jan-17	18-Aug-16	14-Jan-17	6d														
		134d 29-Jul-16 134d 29-Jul-16	07-Jan-17	18-Aug-16	14-Jan-17	6d														
C100100	Site Testing of Pretreatment System	27d 15-Sep-16	07-Jan-17 19-Oct-16	18-Aug-16 15-Sep-16	14-Jan-17 19-Oct-16	0d 0d													si	e Testing of Pretreatment Syste
C100150	Site Testing of Anaerobic Digestion Treatment System	30d 13-Sep-16	20-Oct-16	13-Sep-16	20-Oct-16	0d														te Testing of Anaerobic Digestic
2100200	Site Testing of Heat Recovery and Power Generation System	30d 01-Dec-16	07-Jan-17	01-Dec-16		b0													,	Site Testing
2100250	Site Testing of Biogas Cleaning and Storage System	30d 09-Nov-16	13-Dec-16	30-Nov-16		18d														Site Testing
100230	Site Testing of WWTS	51d 29-Jul-16	27-Sep-16	18-Aug-16	19-Oct-16	17d													-	
			· · · · · ·																	e Testing of WWTS
100350	Site Testing of CAPCS	51d 26-Aug-16	27-Oct-16	11-Nov-16		63d														Site Testing
100400	Site Testing of Composting System	43d 14-Nov-16	05-Jan-17	21-Nov-16		6d														Site Testing
100450	Site Testing of Weighbridge System & Vehicle Wash System	39d 29-Jul-16	12-Sep-16	28-Nov-16	14-Jan-17	101d														Site Testin
em Commiss	ioning (24 hours)	92d 20-Oct-16	19-Jan-17	20-Oct-16	19-Jan-17	0d 0d														
		92d 20-Oct-16 92d 20-Oct-16	19-Jan-17 19-Jan-17	20-Oct-16 20-Oct-16	19-Jan-17 19-Jan-17	0d														
110100	Pre-Treatment Building & Facilities	1d 20-Oct-16	20-Oct-16	20-Oct-16	20-Oct-16	0d													Ιp	e-Treatment Building & Facilitie
110300	Biogas Cleaning and Storage System	1d 14-Dec-16	14-Dec-16	07-Jan-17	07-Jan-17	24d														Biogas Clea
110500	Wastewater Treatment System	1d 11-Jan-17	11-Jan-17	11-Jan-17	11-Jan-17	0d														Wastewate
2110550	Centralized Air Pollution Control System	1d 12-Jan-17	12-Jan-17	12-Jan-17	12-Jan-17	0d														Centralized
110850	Vehicle Washing System	1d 18-Jan-17	18-Jan-17	18-Jan-17	18-Jan-17	0d														Vehicle W
110900	Master Control System - SCADA/PLC System	1d 19-Jan-17	19-Jan-17	19-Jan-17	19-Jan-17	0d														Master C
erobic Digestion	Treatment System	3d 21-Oct-16	23-Oct-16	21-Oct-16	06-Jan-17	75d														
-	Assessible Director on A	3d 21-Oct-16	23-Oct-16	21-Oct-16	06-Jan-17	75d														
:110150	Anaerobic Digester no 1	1d 21-Oct-16	21-Oct-16		21-Oct-16	Ud														naerobic Digester no 1
110200	Anaerobic Digester no 2	1d 22-Oct-16	22-Oct-16	05-Jan-17	05-Jan-17	75d													4	Anaerobic D
110250	Anaerobic Digester no 3	1d 23-Oct-16	23-Oct-16	06-Jan-17	06-Jan-17	75d													4	Anaerobic D
Recovery and I	Power Generation System	3d 08-Jan-17 3d 08-Jan-17	10-Jan-17 10-Jan-17	08-Jan-17 08-Jan-17	10-Jan-17 10-Jan-17	b0														
110350	Combine Heat Power System no 1	1d 08-Jan-17	08-Jan-17	08-Jan-17	08-Jan-17	0d														Combine H
110400	Combine Heat Power System no 2	1d 09-Jan-17	09-Jan-17	09-Jan-17	09-Jan-17	0d														Combine H
110450	Combine Heat Power System no 3	1d 10-Jan-17	10-Jan-17	10-Jan-17	10-Jan-17	0d														Combine H
posting System		3d 13-Jan-17	15-Jan-17	13-Jan-17	15-Jan-17	0d														
44.0000	Turnel Compacting and 4, 2	3d 13-Jan-17	15-Jan-17	13-Jan-17	15-Jan-17	0d														1
110600	Tunnel Composting nos 1 - 3	1d 13-Jan-17	13-Jan-17	13-Jan-17	13-Jan-17	Ud														Tunnel Co
110650	Tunnel Composting nos 4 - 6	1d 14-Jan-17	14-Jan-17	14-Jan-17	14-Jan-17	0d														Tunnel Co
110700	Maturation Area Facilities	1d 15-Jan-17	15-Jan-17	15-Jan-17	15-Jan-17	0d														Maturatio
hbridge System	n	2d 16-Jan-17 2d 16-Jan-17	17-Jan-17 17-Jan-17	16-Jan-17 16-Jan-17	17-Jan-17 17-Jan-17	0d 0d				İ										
110750	Weighbridge System No 1	1d 16-Jan-17	16-Jan-17	16-Jan-17	16-Jan-17	0d														l Weighbrid
110800	Weighbridge System No 2	1d 17-Jan-17	17-Jan-17	17-Jan-17	17-Jan-17	0d														l Weighbri¢
ess Startup,	Process Commissioning & Plant Commissioing	146d 22-Oct-16	16-Mar-17	22-Oct-16	16-Mar-17	0d														
ess Start up		90d 22-Oct-16	19-Jan-17	22-Oct-16	19-Jan-17	0d				ļļļ										
900100	N2 Purging of Anaerobic Digester No 1	90d 22-Oct-16 7d 22-Oct-16	19-Jan-17 28-Oct-16	22-Oct-16 22-Oct-16	19-Jan-17 28-Oct-16	0d 0d														N2 Purging of Anaerobic Diges
900150	Inoculate Anaerobic Digester No.1 (Seeding)	14d 29-Oct-16	11-Nov-16	29-Oct-16		D.d													<u> i i </u>	Indculate Anaerobic Digest
						16d														
900200	N2 Purging of Anaerobic Digester No 2	7d 12-Nov-16	18-Nov-16	28-Nov-16																N2 Purging of Anaero
\$900250	N2 Purging of Anaerobic Digester No 3	7d 19-Nov-16	25-Nov-16	05-Dec-16		16d				ļļl										N2 Purging of Anae
5900300	Start up test with Anaerobic Digester No 1	30d 12-Nov-16	11-Dec-16	12-Nov-16	11-Dec-16	0d														Start up test with Ar
		· · · · · · · · · · · · · · · · · · ·																•		
	_v1.4Final Ac	tivity Float Bar																Page	26 of 27	print: 02-Sep



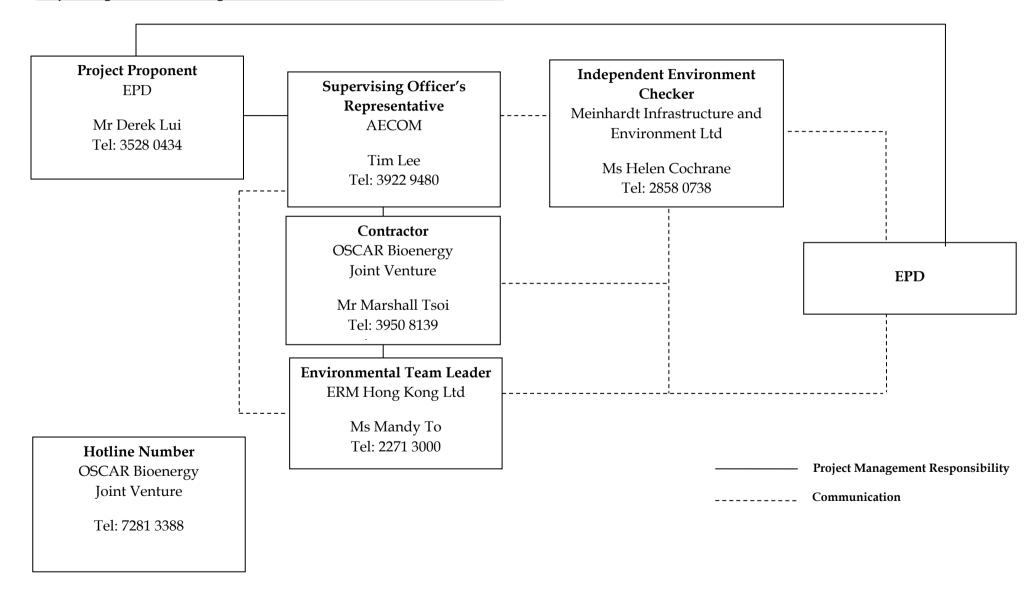
Environmenta of the HKSAR		Contract No. EP/SP/61/10 Organic Waste Treatment Facilities Phase 1							SUEZ ATAL & RosRoca OSCAR Bioenergy Joint Venture					a	Contract Programme for the Design and Construction Works (v1.4)												
	A. C. W. Manua					lies P	nase I					0015	USC	AK DI	bener	JA JOI	nt ve	iture				2010					0017
ctivity ID	Activity Name	Original Early Star Duration	t Early Finish	Late Start	Late Finish	Float	Nov De	ac Jan F	b Mar	Apr N		2015 Jul	Aug	Sep	Oct N	ov Dec	Jan	Feb	Mar	vor Ma		2016 Jul	Aug	Sep Oc	t Nov	Dec	2017 Jan Feb Mar Apr
PS900350	Biogas Production from Anaerobic Digester No 1	7d 12-Dec-1	6 18-Dec-16	12-Dec-16	18-Dec-16	0d																					gas Production from Anaerol
PS900400	Start-Up of Gas System (Including Desulphurisation System)	7d 19-Dec-1	6 25-Dec-16	03-Jan-17	09-Jan-17	15d																					Start-Up of Gas System (
PS900450	Dewatering Test and Start-Up of Dewatering System	15d 19-Dec-1	6 02-Jan-17	22-Dec-16	05-Jan-17	3d																					Dewatering Test and Start-
PS900500	Start-Up of Composting System	14d 03-Jan-1	7 16-Jan-17	06-Jan-17	19-Jan-17																						Start-Up of Composting
P3900500	Start-Op of Composing System	14d 03-Jan-1	7 16-Jan-17	06-Jan-17	19-Jan-17	30																					 Start-Up of Composting
PS900550	Transfering 50% Digester from Anaerobic Digester No.1 to No.2	1d 19-Dec-1	6 19-Dec-16	19-Dec-16	19-Dec-16	0d																				Tra	ansfering 50% Digester from
PS900600	Start up test with Anaerobic Digester No 2	30d 20-Dec-1	6 18-Jan-17	20-Dec-16	18-Jan-17	0d																				-	Start up test with Anaer
PS900650	Biogas Production from Anaerobic Digester No 2	7d 12-Jan-1	7 18-Jan-17	12-Jan-17	18-Jan-17	0d																					Biogas Production from
PS900700	Transfering 50% Digester from Anaerobic Digester No.2 to No.3	1d 19-Jan-1	7 19-Jan-17	19-Jan-17	19-Jan-17	0d																					Transfering 50% Diges
PS900750	Start up test with Anaerobic Digester No 3	30d 21-Dec-1	6 19-Jan-17	21-Dec-16	19-Jan-17	0d																				-	Start up test with Anaer
PS900800	Biogas Production from Anaerobic Digester No 3	7d 13-Jan-1	7 19-Jan-17	13-Jan-17	19-Jan-17	0d																					Biogas Production from
Process Commiss	ioning	39d 20-Jan-1	7 27-Feb-17	20-Jan-17	27-Feb-17	0d																					
		39d 20-Jan-1	7 27-Feb-17	20-Jan-17	27-Feb-17	0d																					
PS900850	Process Commissioning with Anaerobic Digester No 1&3 (Assume 2 nos. Anaerobic dige	sters) 26d 20-Jan-1	7 14-Feb-17	20-Jan-17	14-Feb-17	0d																					Process Commi
PS900880	Process Commissioning with Anaerobic Digester No 2&3 (Assume another 2 nos. Anaero	bbic digesters) 26d 02-Feb-1	7 27-Feb-17	02-Feb-17	27-Feb-17	0d																					Process Con
Plant Commissioni	ng	30d 15-Feb-1	7 16-Mar-17	15-Feb-17	16-Mar-17	0d							11										1				
		30d 15-Feb-1	7 16-Mar-17	15-Feb-17	16-Mar-17	0d																	1				
PS900900	Plant Commissioning	30d 15-Feb-1	7 16-Mar-17	15-Feb-17	16-Mar-17	0d																					Plant Co
COMPLETION (OF THE WORKS	1d 16-Mar-1	7 17-Mar-17	16-Mar-17	17-Mar-17	0d																					
		16-Mar-1	7 17-Mar-17	16-Mar-17	17-Mar-17	0d																					
		1d 16-Mar-1	7 17-Mar-17	16-Mar-17	17-Mar-17	0d							††							····							
		1d 16-Mar-1	7 17-Mar-17	16-Mar-17	17-Mar-17	0d																					
KD100360	Completion of the Design and the Works including Testing and Commissioning	Od	16-Mar-17		16-Mar-17	0d																					Complet
KD100380	Commencement of the Operation	Od	17-Mar-17		17-Mar-17	0d																					◆ Comme

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Page 27 of 27

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Project Organization Chart with Contact Details <u>Project Organization During Construction Phase (with contact details)</u>



Annex E

Implementation Schedule of Mitigation Measures

Annex E Summary of Mitigation Measures Implementation Schedule

EIA Ref.	EM&A	Environmental Protection Measures	Location/ Timing	Status
	Log Ref.			
Summary o	of Environment	al Mitigation Measures in the EIA and EM&A Manual		
A. A	ir Quality			
3.73	2.5	Air Pollution Control (Construction Dust) Regulation & Good Site Practices	Construction Site / During	<>
		• Use of regular watering, with complete coverage, to reduce dust emissions from exposed site	Construction Period	
		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.		

B. Hazard to Life

4.102	3.3	Construction Phase	Construction Site / During	\checkmark
		• The number of workers on site during construction stage should be kept at the same level as	Construction Period	
		the assessment.		
		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.		
С.	Water Quality			
5.44	4.5	<i>Construction site run-off and general construction activities:</i>	Construction Site / During	<>
		The mitigation measures as outlined in the ProPECC PN 1/94 Construction Site Drainage	Construction Period	
		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	<u>Accidental spillage of chemicals:</u> 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	\checkmark
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	\checkmark
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	√
5.51	4.5	<u>Sewage Effluent</u> The presence of construction workers generates sewage. It is recommended to provide sufficient chemical toilets in the works areas. The toilet facilities should be more than 30m from	Work site/During the construction period	\checkmark

		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 Construction	Site / on Period	During	\checkmark
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 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 / on Period	During	N/A
D.	Waste Manager	nent	<u>I</u>			1
6.41	5.4	Good Site Practices 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);	Work Construction	Site / on Period	During	\checkmark

		 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. 		
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	
6.44	5.7	 <u>Excavated and C&D Materials</u> 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 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). 	Work Site/During Design & Construction Period	

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	Work Site/During Design & Construction Period	V
6.47	5.10	removal off-site. <u>Chemical Waste</u> 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	<u>General Refuse</u> 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. Lı	andscape and V	lisual	1	
7.99 & Table 7.7	Table 6.1	 <u>Construction Phase</u> Topsoil, where identified, should be stripped and stored for re-use in the construction of the soft landscape works, where practical Compensatory tree planting should be provided to compensate for felled trees. Compensation tree species shall be chosen from both indigenous and ornamental species Compensatory tree planting quantities shall be as per DLO approved requirement. Control of night-time lighting Erection of decorative screen hoarding compatible with the surrounding setting 	Work site/During Design & Construction Stages	\checkmark

<i>F</i> .	Noise			
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 	Work site/During Design & Construction Stages	√
		• Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.		

Remark:

- $\sqrt{}$ Compliance of Mitigation Measures
- <> Compliance of Mitigation but need improvement
- x Non-compliance of Mitigation Measures
- ▲ Non-compliance of Mitigation Measures but rectified by OSCAR Bioenergy JV
- Δ Deficiency of Mitigation Measures but rectified by OSCAR Bioenergy JV
- N/A Not Applicable in Reporting Period

Annex F

Waste Flow Table

		Actual Quant	ities of Inert C&D Mater	rials Generated		Actual Quan	itities of Non	-inert C&D Mat	terials (Constructio	on 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
Total	30808.34	75.28	0.00	0.00	30733.06	61940.00	41.00	0.00	640.00	262.73

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

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

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
Overall Total	0	0

Annex G Cumulative Complaint and Summons/Prosecutions Log