

MONTHLY EM&A REPORT

OSCAR Bioenergy Joint Venture

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

1 June 2016 – 30 June 2016

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Meinhardt Infrastructure and Environment Limited

**Organic Waste Treatment Facilities,
Phase I**

Monthly EM&A Report
(1 June 2016 – 30 June 2016)

(July 2016)

Verified by: _____ Helen Cochrane



Position: Independent Environmental Checker

Date: _____ 13 Jul. 16

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Phase 1:
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Reference 0279222

For and on behalf of ERM-Hong Kong, Limited

Approved by: _____ Frank Wan

Signed: _____ 

Position: _____ Partner

Certified by: _____ 
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Certified by: _____ 
(Registered Landscape Architect No. R-150 - Albert Chung)

Date: _____ 14 July 2016

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EXECUTIVE SUMMARY

The construction works of *No. EP/SP/61/10 Organic Waste Treatment Facilities Phase I (the Project)* commenced on 21 May 2015. This is the 13th monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 June 2016 to 30 June 2016 in accordance with the EM&A Manual.

Summary of Construction Works undertaken during the Reporting Month

Works undertaken in the reporting month included:

- Superstructure, Construction and Raft Foundation Works for Building 1;
- Concreting of Substructure and Superstructure Works for Building 1 and Building 3;
- Concrete Defects Remedial and E&M Installation Works for Building 2;
- Finishing Works of Pump Houses, Piping and Erection Works for AD Tank;
- Manholes and Cable Draw Pits Construction;
- Boundary Wall and Boundary Fence Construction; and
- Relocation of Entry Gate and the Associated Project Signboard.

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 |
| • 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, 1,144.73 tonnes of inert C&D material were generated from the Project, of which 30.43 tonnes were reused in this Contract. The 1,114.30 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. 14,600.00 kg of metals, 120.00 kg of papers/ cardboard packing and 0.00 kg of plastics were sent to recyclers for recycling during the reporting period. 58.34 tonnes of general refuse was disposed as landfill.

0.00 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 15 June 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 15 and 27 June 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:

- Building 1: Construction of superstructure, E&M cast-in items installation works
- Building 2: Concrete defect rectification works, waterproofing works, fire services installation, finishing works, E&M installation works
- Building 3: Construction of superstructure, E&M cast-in items installation works
- Biogas area: Construction of concrete plinths, ASP fabrication works
- AD Tank farm: Erection of AD tanks
- SBT: Erection of SBT tanks
- Site-wide: Boundary wall and boundary fence construction, relocation of entry gate and project signboard, construction of underground utilities manholes, draw pits and pipeline

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

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 13th EM&A report which summarises the monitoring results and audit findings for the EM&A programme during the reporting period from 1 to **30 June 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

2.1**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 2.1 Summary of Construction Activities Undertaken in the Reporting Period

| Construction Activities Undertaken |
|---|
| <ul style="list-style-type: none">• Superstructure, Construction and Raft Foundation Works for Building 1;• Concreting of Substructure and Superstructure Works for Building 1 and Building 3;• Concrete Defects Remedial and E&M Installation Works for Building 2;• Finishing Works of Pump Houses, Piping and Erection Works for AD Tank;• Manholes and Cable Draw Pits Construction;• Boundary Wall and Boundary Fence Construction; and• Relocation of Entry Gate and the Associated Project Signboard |

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

ENVIRONMENTAL MONITORING REQUIREMENT, ENVIRONMENTAL MITIGATION MEASURES

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

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

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

IMPLEMENTATION STATUS ON ENVIRONMENTAL PROTECTION REQUIREMENTS

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

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

Table 5.1 *Quantities of Waste Generated from the Project*

| Month / Year | Quantity | | | |
|--------------|--|--|--|----------------|
| | Total Inert C&D Materials Generated ^(a) | Non-inert C&D Materials ^(b) | | |
| | | C&D Materials Recycled ^(c) | C&D Waste Disposed of at Landfill ^(d) | Chemical Waste |
| June 2016 | 1,144.73 tonnes | 14,720.00 kg | 58.34 tonnes | 0.00 L |

Notes:

- (a) Inert C&D materials (public fill) include bricks, concrete, building debris, rubble and excavated spoil. In total, 1,144.73 tonnes of inert C&D material were generated from the Project, of which 30.43 tonnes were reused in this Contract and the 1,114.30 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) 14,600.00 kg of metals, 120.00 kg of papers/ cardboard packing and 0.00 kg of plastics were sent to recyclers for recycling during the reporting period.
- (d) Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at NENT Landfill by subcontractors.

6.1***WEEKLY SITE AUDITS***

Joint site inspections were conducted by representatives of the Contractor, the ER, IC and the ET on 6, 15, 20 and 27 June 2016. The IEC was also present at the joint inspection on 15 June 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:

6 June 2016

- Dust screen at the site boundary near the AD Tank area were found to be incompletely covering the site. The contractor was recommended to ensure the dust screen is enclosing the site properly.
- General refuses were observed in the Building 2 area. The contractor was recommended to clear the general refuses regularly.

15 June 2016

- Chemical containers were observed to be without secondary containment near the AD tank and inside Building 2 area. The contractor should provide drip trays to retain the chemicals in case of any leakage in accordance with the COP.

20 June 2016

- The vehicle route near AD Tank area was observed to be in dry and dusty condition. The contractor was recommended to spray water to prevent adverse impact to air quality.

27 June 2016

- Inappropriate chemical containers were observed to be without a secondary containment inside Building 2 area. The contractor should provide drip trays to retain the chemicals in case of any leakage in accordance with the COP.

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 15 and 27 June 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 15 and 27 June 2016.

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*.

8.1***KEY ISSUES FOR THE COMING MONTH***

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

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

| Construction Activities Undertaken |
|---|
| <ul style="list-style-type: none"> • Building 1: Construction of superstructure, E&M cast-in items installation works • Building 2: Concrete defect rectification works, waterproofing works, fire services installation, finishing works, E&M installation works • Building 3: Construction of superstructure, E&M cast-in items installation works • Biogas area: Construction of concrete plinths, ASP fabrication works • AD Tank farm: Erection of AD tanks • SBT: Erection of SBT tanks • Site-wide: Boundary wall and boundary fence construction, relocation of entry gate and project signboard, construction of underground utilities manholes, draw pits and pipeline |

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

This EM&A Report presents the EM&A programme undertaken during the reporting period from 1 June 2016 to 30 June 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.

Annex A

Project Layout

| | AOI | 05/03/15 | CW | WB | WTECH BACKGROUNDS UPDATED |
|---------|------|----------|-----|-----|---------------------------|
| | A000 | 18/02/15 | CW | WB | DRAFT ISSUE |
| REF ID: | R001 | REV: | N/A | N/A | REVISION |

ENVIRONMENTAL
PROTECTION DEPARTMENT
GOVERNMENT OF THE HKSA

AECOM

ATAL
CONTRACTOR

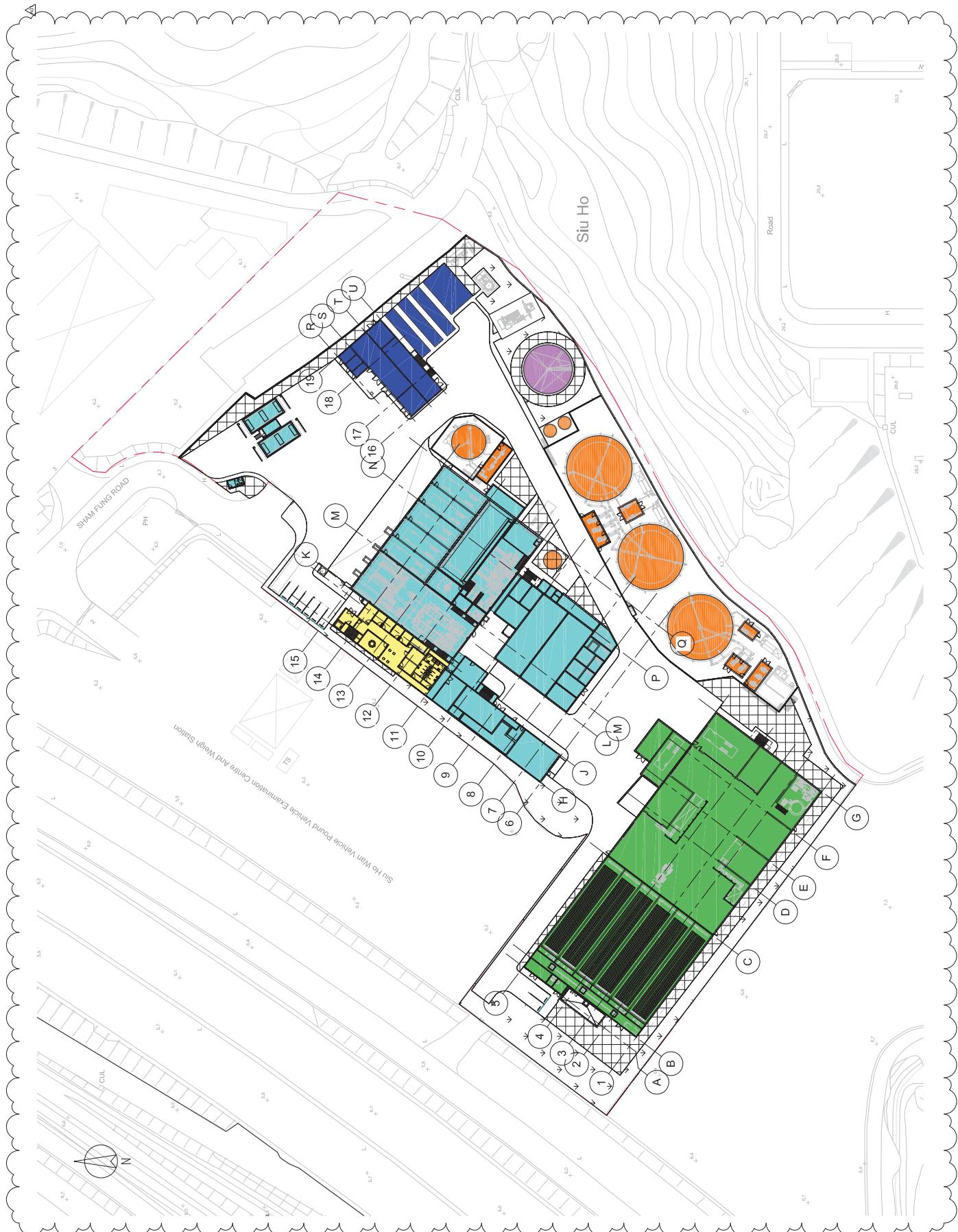
OSCAR BIOENERGY JI
APDID

One Arup & Partners Hong Kong Ltd
ENVIRONMENTAL TEAM

MEINHARDT
INDEPENDENT CONSULTANTS

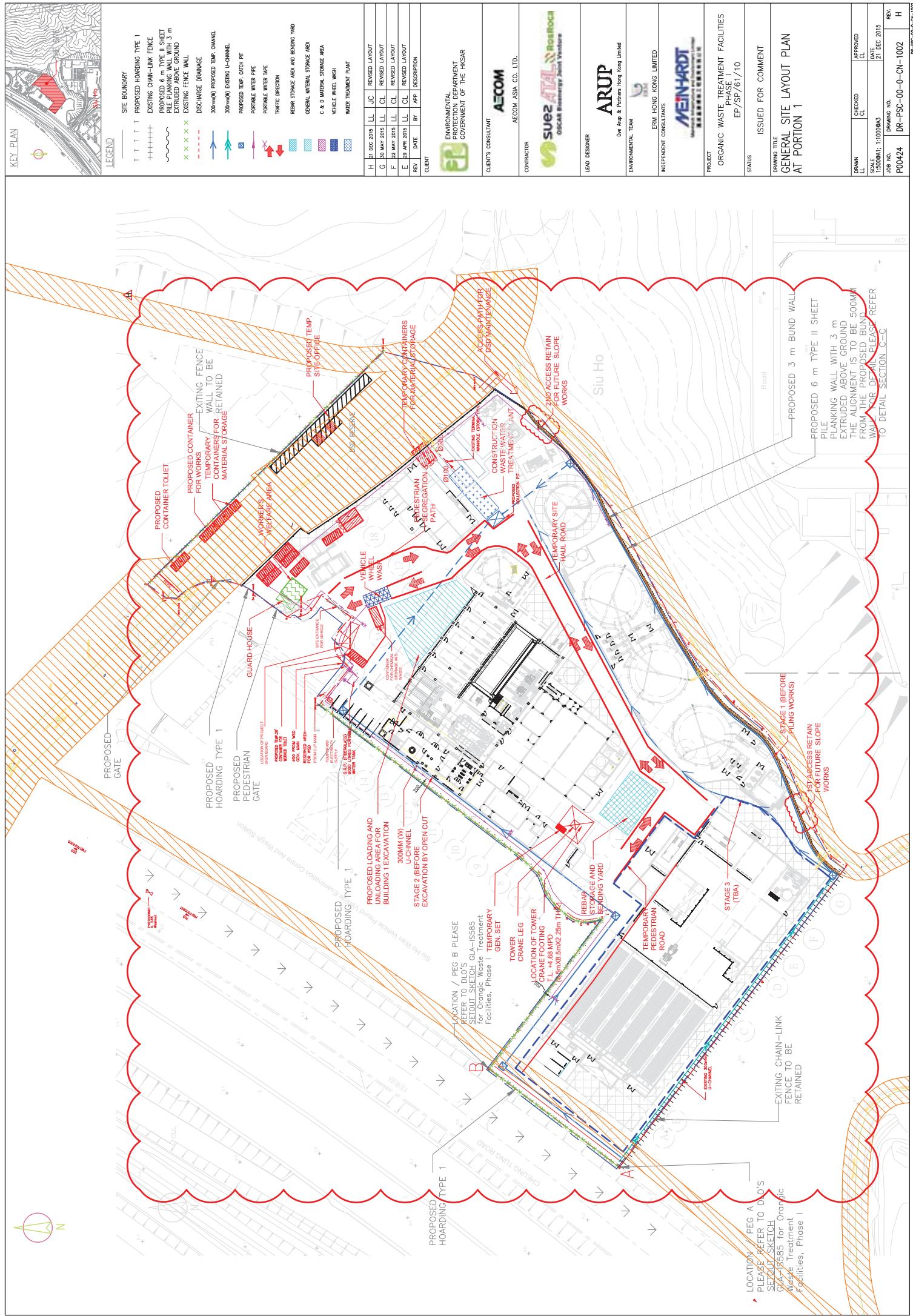
PROJECT
ORGANIC WASTE TREATMENT FACILITIES
PHASE 1
EP/SP/61/10

| | | |
|----------------------------|-------------|-------------|
| DRAWN CW | CHECKED RS | APPROVED DP |
| SCALE 1:500@A1 / 1:1000@A3 | | DATE 12/02/ |
| LOD. NO. | DRAWING NO. | |



Annex B

Works Location



Annex C

Construction Programme of the Project

| # | Activity ID | Activity Name | BL Project # | Project Start Date | BL Project Finish | Remaining Duration | Sprint | Finish | Total Work Complete | Activity % Complete | Bl Project Status | Bl Project End Date | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
|---|-------------|--|--------------|--------------------|-------------------|--------------------|------------|------------|---------------------|---------------------|-------------------|---------------------|------------|------|-------|-----------|-----------|-----|-------|-----------|-----------|-----|-------|-----|
| Contract No. EP/SP/61/10 - The Design & Construction Works | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | LETTER OF ACCEPTANCE | 15 | 19-Nov-14 | 19-Nov-14 | 13-Apr-17 | 36d | 19-Nov-14A | 14-Oct-17 | 0d | 0% | 19-Nov-14A | 19-Nov-14A | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | |
| 3 | 4 | LETTER OF ACCEPTANCE | 16 | 19-Nov-14 | 19-Nov-14 | 0d | 19-Nov-14A | 19-Nov-14A | 19-Nov-14A | 0d | 0% | 19-Nov-14A | 19-Nov-14A | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | |
| 5 | 6 | LETTER OF ACCEPTANCE | 17 | 19-Nov-14 | 19-Nov-14 | 0d | 19-Nov-14A | 19-Nov-14A | 19-Nov-14A | 0d | 0% | 19-Nov-14A | 19-Nov-14A | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | |
| 7 | 8 | MAJOR MILESTONES | 18 | 17-Dec-14 | 17-Dec-14 | 16-Mar-17 | 37d | 16-Jan-15A | 16-Sep-17 | 21d | -180d | 16-Jan-15A | 16-Jan-15A | 30d | 30% | 30d | 30% | 30d | 30% | 30d | 30% | 30d | 30% | |
| 9 | 10 | MC1.1 Forces or Preliminaries and General Requirements | 19 | 17-Dec-14 | 17-Dec-14 | 16-Dec-15 | 0d | 16-Jan-15A | 11-Nov-15A | 30d | -30d | 11-Nov-15A | 11-Nov-15A | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | |
| 11 | 12 | MC1.1 - Substantial Completion of ER & IC Accommodation | 20 | 17-Dec-14 | 17-Dec-14 | 16-Dec-15 | 0d | 16-Jan-15A | 10-Nov-15A | 100% | -19d | 10-Nov-15A | 10-Nov-15A | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | |
| 13 | 14 | MC1.2 - Joint Signing of IC Agreement | 21 | 17-Dec-14 | 17-Dec-14 | 16-Dec-15 | 0d | 16-Jan-15A | 10-Nov-15A | 100% | -19d | 10-Nov-15A | 10-Nov-15A | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | |
| 15 | 16 | MC2.1 Milestones for Design of the Works | 22 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 28-Oct-15A | 30-Sep-16 | 32d | -220d | 30-Sep-16 | 30-Sep-16 | 32d | -220d | 30-Sep-16 | 30-Sep-16 | 32d | -220d | 30-Sep-16 | 30-Sep-16 | 32d | -220d | |
| 17 | 18 | MC2.1.1 - Employer's consent granted in respect of Detailed Design of Waste Receiving & Pre-treatment System | 23 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 28-Oct-15A | 30-Sep-16 | 32d | -220d | 30-Sep-16 | 30-Sep-16 | 32d | -220d | 30-Sep-16 | 30-Sep-16 | 32d | -220d | 30-Sep-16 | 30-Sep-16 | 32d | -220d | |
| 19 | 20 | MC2.1.2 - Employer's consent granted in respect of Detailed Design of Aerobic Digestion Generation System | 24 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 05-Aug-15 | 0d | 20-Oct-15 | 0d | 100% | 0d | -42d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | |
| 21 | 22 | MC2.1.3 - Employer's consent granted in respect of Detailed Design of Biogas Treatment & CHP Generation System | 25 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 26-Oct-15 | 0d | 20-Oct-15 | 0d | 100% | 0d | -29d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | |
| 23 | 24 | MC2.1.4 - Employer's consent granted in respect of Detailed Design of Composting System | 26 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 28-Oct-15 | 0d | 20-Oct-15 | 0d | 100% | 0d | -30d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | |
| 27 | 28 | MC2.1.5 - Employer's consent granted in respect of Detailed Design of APCS & IVTS | 29 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 28-Oct-15A | 30-Sep-16 | 32d | -220d | 30-Sep-16 | 30-Sep-16 | 32d | -220d | 30-Sep-16 | 30-Sep-16 | 32d | -220d | 30-Sep-16 | 30-Sep-16 | 32d | -220d | |
| 30 | 31 | MC2.1.6 - Employer's consent granted in respect of Detail Design of Control & Instrumentation System | 32 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 0d | 20-Oct-15 | 0d | 100% | 0d | -36d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% |
| 33 | 34 | MC2.1.7 - Employer's consent granted in respect of Detail Design of Control & Instrumentation System | 35 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 0d | 20-Oct-15 | 0d | 100% | 0d | -37d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% |
| 36 | 37 | MC2.1.8 - Employer's consent granted in respect of Detailed Design of Civil, Structural & Geotechnical Works | 38 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 0d | 20-Oct-15 | 0d | 100% | 0d | -39d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% |
| 39 | 40 | MC2.1.9 - Employer's consent granted in respect of Detailed Design of Civil and Structural Works | 41 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 0d | 20-Oct-15 | 0d | 100% | 0d | -40d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% |
| 42 | 43 | MC2.2 Completion of the Design of the Works | 44 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 0d | 20-Oct-15 | 0d | 100% | 0d | -40d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% |
| 45 | 46 | MC2.2.1 - Completion of Materials and Equipment to the Site | 47 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 0d | 20-Oct-15 | 0d | 100% | 0d | -40d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% |
| 48 | 49 | MC2.2.2 - Completion of Delivery of Pre-treatment System | 50 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 0d | 20-Oct-15 | 0d | 100% | 0d | -40d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% |
| 51 | 52 | MC2.2.3 - Completion of Combined Heat and Power Units | 53 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 0d | 20-Oct-15 | 0d | 100% | 0d | -40d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% |
| 54 | 55 | MC2.2.4 - Completion of Composting Tunnels | 56 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 0d | 20-Oct-15 | 0d | 100% | 0d | -40d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% |
| 57 | 58 | MC2.2.5 - Completion of Civil Engineering/Soil Pollution Control System | 59 | 17-Dec-14 | 17-Dec-14 | 23-Feb-16 | 105d | 0d | 20-Oct-15 | 0d | 100% | 0d | -40d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% | 0d | 0% |
| Organic Waste Treatment Facilities Phase I | | | | | | | | | | | | | | | | | | | | | | | | |
| Primary Baseline | | | | | | | | | | | | | | | | | | | | | | | | |
| Actual Baseline | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical | | | | | | | | | | | | | | | | | | | | | | | | |
| Milestone | | | | | | | | | | | | | | | | | | | | | | | | |
| Actual Milestone | | | | | | | | | | | | | | | | | | | | | | | | |
| Actual Work | | | | | | | | | | | | | | | | | | | | | | | | |
| Baseline: Contract Programme for The Design and Construction Works | | | | | | | | | | | | | | | | | | | | | | | | |
| V1.4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0055-A, Date: 28-Jun-2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| Project v1.4 up 17-Jun-16 Ref.: WS-OSC-00-TM-0 | | | | | | | | | | | | | | | | | | | | | | | | |

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

| Environmental Protection Department | | Contract No. EP/SP/61/10 | | Contract Programme Progress Updated on 17-Jun-16 | | OSCAR BIOENERGY JV | |
|-------------------------------------|-------------|---|------------|--|-----------|--------------------|--------------------|
| # | Activity ID | Activity Name | Start Date | End Date | Duration | Bl. Project Status | Bl. Project Status |
| 60 | MC340100 | MC3.4 - Completion of architectural and landscape works | 0d | 31-Dec-16 | 0d | Remaining Duration | Start |
| 61 | | MC3.5 - Testing and Commissioning | 65d | 23-Dec-16 | 16-Mar-17 | 110d | 09-May-17 |
| 62 | MC350100 | MC3.5.1 - Employer's consent granted on at FATS/AT System Commissioning Report | 65d | 23-Dec-16 | 16-Mar-17 | 110d | 09-May-17 |
| 63 | MC350200 | MC3.5.2 - Employer's consent granted on System Start Up & Process Commissioning Reports | 0d | 23-Dec-16 | 23-Dec-16 | 0d | 09-May-17 |
| 64 | MC350300 | MC3.5.3 - Employer's consent granted on the Plant Commissioning Report | 0d | 19-Jan-17 | 0d | 09-May-17 | 0d |
| 65 | MC350400 | MC3.5.4 - Employer's consent granted on the Plant Commissioning Report | 0d | 27-Feb-17 | 0d | 09-May-17 | 0d |
| 66 | | MC3.6 - Issuance of the Certificate of Substantial Completion by the Employer | 0d | 16-Mar-17 | 16-Mar-17 | 0d | 16-Sep-17 |
| 67 | | MC3.6 - Issuance of the Certificate of Substantial Completion by the Employer | 0d | 16-Mar-17 | 16-Mar-17 | 0d | 16-Sep-17 |
| 68 | MC360100 | MC3.6 - Issuance of the Certificate of Substantial Completion by the Employer | 0d | 16-Mar-17 | 16-Mar-17 | 0d | 16-Sep-17 |
| 69 | | MC3.6 - Issuance of the Certificate of Substantial Completion by the Employer | 0d | 16-Mar-17 | 16-Mar-17 | 0d | 16-Sep-17 |
| 70 | | PRELIMINARY AND GENERAL REQUIREMENT WORKS | 710d | 20-Nov-14 | 13-Apr-17 | 365d | 20-Nov-14 |
| 71 | | Appointment and Assignment of Contractors' Superintendents, Designers, IC and ER | 20d | 20-Nov-14 | 17-Dec-14 | 0d | 20-Nov-14 |
| 72 | | Notify the Employer of the proposed Project Manager | 20d | 20-Nov-14 | 17-Dec-14 | 0d | 20-Nov-14 |
| 73 | P1100110 | Notify the Contractor's Management Team to Employer | 5d | 20-Nov-14 | 26-Nov-14 | 0d | 20-Nov-14 |
| 74 | P1100120 | Submit Contract to Management Team to Employer | 10d | 27-Nov-14 | 10-Dec-14 | 0d | 20-Nov-14 |
| 75 | P1100130 | Employer approves proposed Project Manager | 0d | 10-Dec-14 | 10-Dec-14 | 0d | 10-Dec-14 |
| 76 | P1100140 | Appoint Project Manager | 5d | 11-Dec-14 | 17-Dec-14 | 0d | 10-Dec-14 |
| 77 | P1100150 | Jointly Appoint the independent Consultant with the Employer | 10d | 20-Nov-14 | 03-Dec-14 | 0d | 20-Nov-14 |
| 78 | P1100160 | IC to submit names of representatives to Employer & Contractor | 20d | 20-Nov-14 | 17-Dec-14 | 0d | 04-Dec-14 |
| 79 | P1100180 | Employer notifies Contractor of Employer's Representative | 0d | 17-Dec-14 | 0d | 18-Dec-14 | |
| 80 | | Further Environmental Permit | 360d | 20-Nov-14 | 16-Jan-15 | 0d | 20-Nov-14 |
| 81 | | Obtain Further Environmental Permit from DfE | 360d | 20-Nov-14 | 16-Jan-15 | 0d | 20-Nov-14 |
| 82 | P1100190 | Submit application for Further Environmental Permit | 5d | 20-Nov-14 | 26-Nov-14 | 0d | 20-Nov-14 |
| 83 | P1100200 | Prepare & submit Emergency Procedures Plan by ET to IEC & ER | 12d | 20-Nov-14 | 05-Dec-14 | 0d | 20-Nov-14 |
| 84 | P1100210 | IEC checks & verifies Emergency Procedures Plan | 10d | 06-Dec-14 | 19-Dec-14 | 0d | 18-Dec-14 |
| 85 | P1100220 | ER approves Emergency Procedures Plan | 0d | 05-Jan-15 | 0d | 30-Jun-15A | |
| 86 | P1100230 | Submit approved Emergency Procedures Plan to DfE of EP | 4d | 06-Jan-15 | 09-Jan-15 | 0d | 12-Jun-15A |
| 87 | P1100240 | Obtain Further Environmental Permit from DfE of EP | 0d | 16-Jan-15 | 0d | 16-Feb-15A | |
| 88 | P1100250 | Guarantees, Undertakings & Insurances | 40d | 20-Nov-14 | 19-Jan-15 | 0d | 20-Nov-14 |
| 89 | P1100260 | Provision of Guarantees to Employer | 40d | 20-Nov-14 | 19-Jan-15 | 0d | 04-Feb-15A |
| 90 | P1100270 | Provision of Undertakings from related companies to Employer | 10d | 20-Nov-14 | 03-Dec-14 | 0d | 20-Nov-14 |
| 91 | P1100280 | Provision of the Bond to Employer | 15d | 20-Nov-14 | 10-Dec-14 | 0d | 20-Nov-14 |
| 92 | P1100290 | Provision of Contractor's All Risks Insurance | 20d | 20-Nov-14 | 17-Dec-14 | 0d | 20-Nov-14 |
| 93 | P1100300 | Provision of Professional Indemnity Insurance | 20d | 20-Nov-14 | 17-Dec-14 | 0d | 20-Nov-14 |
| 94 | P1100320 | Provision of Employee Compensation Insurance | 20d | 20-Nov-14 | 17-Dec-14 | 0d | 20-Nov-14 |
| 95 | P1100330 | Provision of Motor Vehicle Insurance | 20d | 20-Nov-14 | 17-Dec-14 | 0d | 20-Nov-14 |
| 96 | P1100340 | Provision of Health & Safety Insurance | 20d | 20-Nov-14 | 17-Dec-14 | 0d | 20-Nov-14 |
| 97 | P1100350 | Submit Undertakings & Certificates of PI Insurance Programme | 45d | 20-Nov-14 | 14-Jan-15 | 0d | 20-Nov-14 |
| 98 | P1100360 | IC checks & certifies PI Insurance Programme | 45d | 20-Nov-14 | 14-Jan-15 | 0d | 04-Feb-15A |
| 99 | P1100370 | Employee Consents to Contract Programme | 14d | 18-Dec-14 | 03-Dec-14 | 0d | 20-Nov-14 |
| 100 | P1100380 | Prepare & submit 3 months programme to Employer, ER & IC | 0d | 14-Jan-15 | 0d | 04-Dec-14A | |
| 101 | P1100390 | Prepare & submit Critical Path Network to Employer, ER & IC | 10d | 04-Dec-14 | 17-Dec-14 | 0d | 17-Dec-14A |
| 102 | P1100400 | Employee Consents to Critical Path Network | 0d | 14-Jan-15 | 0d | 20-Nov-14 | |
| 103 | P1100410 | Sub-contractor Management Plan | 14d | 18-Dec-14 | 31-Dec-14 | 0d | 05-Dec-14A |
| 104 | P1100420 | Draft Project Management Plan | 20d | 20-Nov-14 | 17-Dec-14 | 0d | 04-Jan-15A |
| 105 | P1100430 | IC checks & certifies Project Management Plan | 14d | 18-Dec-14 | 31-Dec-14 | 0d | 05-Dec-14A |
| 106 | | Primary Baseline | 0d | 04-Dec-14 | 04-Dec-14 | 0d | 04-Dec-14 |
| 107 | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 06-Oct-15A | |
| 108 | | Critical | 0d | 04-Dec-14 | 17-Dec-14 | 0d | 17-Dec-14A |
| 109 | | Milestone | 0d | 14-Jan-15 | 0d | 11-Nov-15A | |
| 110 | | Actual Work | 0d | 14-Jan-15 | 0d | 20-Nov-14 | |
| 111 | | Activity | 0d | 14-Jan-15 | 0d | 08-Oct-15A | |
| 112 | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 30-Oct-15A | |
| 113 | | Draft Project Management Plan | 0d | 20-Nov-14 | 17-Dec-14 | 0d | 17-Dec-14A |
| 114 | | IC checks & certifies Project Management Plan | 0d | 20-Nov-14 | 17-Dec-14 | 0d | 04-Jan-15A |
| 115 | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 10-Nov-15A | |
| 116 | | Critical | 0d | 14-Jan-15 | 0d | 20-Nov-14 | |
| 117 | | Milestone | 0d | 14-Jan-15 | 0d | 23-Jan-15A | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Primary Baseline | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Activity | 0d | 14-Jan-15 | 0d | 100% | |
| | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Draft Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | IC checks & certifies Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Primary Baseline | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Activity | 0d | 14-Jan-15 | 0d | 100% | |
| | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Draft Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | IC checks & certifies Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Primary Baseline | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Activity | 0d | 14-Jan-15 | 0d | 100% | |
| | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Draft Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | IC checks & certifies Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Primary Baseline | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Activity | 0d | 14-Jan-15 | 0d | 100% | |
| | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Draft Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Primary Baseline | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Activity | 0d | 14-Jan-15 | 0d | 100% | |
| | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Draft Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | IC checks & certifies Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Activity | 0d | 14-Jan-15 | 0d | 100% | |
| | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Draft Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Primary Baseline | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Activity | 0d | 14-Jan-15 | 0d | 100% | |
| | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Draft Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | IC checks & certifies Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Primary Baseline | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Activity | 0d | 14-Jan-15 | 0d | 100% | |
| | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Draft Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | IC checks & certifies Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | Primary Baseline | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
| | | Milestone | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Sub-contractor Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
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| | | IC checks & certifies Project Management Plan | 0d | 14-Jan-15 | 0d | 100% | |
| | | Baseline Milestone | 0d | 14-Jan-15 | 0d | 100% | |
| | | Critical | 0d | 14-Jan-15 | 0d | 100% | |
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| | | Actual Work | 0d | 14-Jan-15 | 0d | 100% | |
| | | | | | | | |

Ref.:WS-OSC-00-0-TM-00

Environmental Protection Department
of the HKSAR

Contract Programme Progress Updated on 17-Jun-16

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

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Environmental Protection Department
of the HKSAR

Contract Programme Progress Updated on 17-Jun-16

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Environmental Protection Department
of the HKSSR

Contract No. EP/SP/61/10

Contract Programme Progress Updated on 17-Jun-16

Organic Waste Treatment Facilities Phase I

OSCAR BIOENERGY JV

Activity Name

Start Date

End Date

Project Duration

Remaining Duration

Phase

Activity % Complete

Total Work

Work Rate

Efficiency

Actual Work

Critical

Milestone

| # | Activity ID | Activity Name | Start Date | End Date | Project Duration | Remaining Duration | Phase | Activity % Complete | Total Work | Work Rate | Efficiency | Actual Work | Critical | Milestone |
|-----|---|--|--------------|------------|------------------|--------------------|------------|---------------------|------------|-----------|------------|-------------|----------|-----------|
| 345 | DP100720 | Prepare Preliminary Report for P176-8 (Bdg #2) | 2d 23-Jan-15 | 31-Jan-15 | 0d | 03-Feb-15 | 04-Mar-15A | 100% | -30d | -24d | -80% | - | - | - |
| 346 | DP100730 | Prepare Preliminary Report for P119-11 (Bdg #1) | 20 30-Jan-15 | 01-Mar-15A | 0d | 03-Mar-15A | 04-Mar-15A | 100% | -18d | -18d | -100% | - | - | - |
| 347 | DP100740 | Prepare Preliminary Report for P172, 3, & 4 (Bdg #3) | 2d 08-Feb-15 | 07-Feb-15 | 0d | 03-Mar-15A | 04-Mar-15A | 100% | - | - | - | - | - | - |
| 348 | DP100750 | Prepare Preliminary Report for P116-4 (Bdg #5) | 2d 13-Feb-15 | 14-Feb-15 | 0d | 03-Mar-15A | 04-Mar-15A | 100% | - | - | - | - | - | - |
| 349 | DP100760 | Issue Formal Report for Pile Load Test | 4d 16-Feb-15 | 23-Feb-15 | 0d | 01-Mar-15A | 04-Mar-15A | 100% | - | - | - | - | - | - |
| 350 | Environmental Review Permit (ERP) | 11d 14-Apr-15 | 18-Sep-15 | 0d | 14-Apr-15A | 21-Dec-15A | - | - | - | - | - | - | - | - |
| 351 | Environmental Review Report (ERD) | 85d 14-Nov-15 | 13-Aug-16 | 0d | 14-Nov-15A | 13-Nov-15A | - | - | - | - | - | - | - | - |
| 352 | Air Quality Impact Assessments (AQIA) | 45d 14-Nov-15 | 17-Jun-15 | 0d | 14-Nov-15A | 31-Jun-15A | - | - | - | - | - | - | - | - |
| 353 | BR/00270 Forecast of 2030 traffic data | 30d 14-Apr-15 | 27-May-15 | 0d | 14-Apr-15A | 100% | - | - | - | - | - | - | - | - |
| 354 | DP100780 Air dispersion modelling | 45d 14-Apr-15 | 17-Jun-15 | 0d | 16-Apr-15A | 31-Jun-15A | - | - | - | - | - | - | - | - |
| 355 | Landscape & Visual Impact Assessment (LVIA) | 45d 14-Apr-15 | 17-Jun-15 | 0d | 16-Apr-15A | 31-Nov-15A | - | - | - | - | - | - | - | - |
| 356 | Updated photo montages | 45d 14-Apr-15 | 17-Jun-15 | 0d | 16-Apr-15A | 31-Nov-15A | - | - | - | - | - | - | - | - |
| 357 | Environmental Review Report (ERR) | 40d 18-Jun-15 | 12-Aug-15 | 0d | 16-Aug-15A | 06-Aug-15A | 100% | - | - | - | - | - | - | - |
| 358 | DP100800 Prepare & submit ERP to ESD for informal review | 20d 18-Jun-15 | 16-Jun-15 | 0d | 16-Aug-15A | 06-Aug-15A | 100% | - | - | - | - | - | - | - |
| 359 | DP100810 EPD to issue administrative comments on ERR | 0d 13-Aug-15 | 0d | 01-Sep-15A | 21-Dec-15A | - | - | - | - | - | - | - | - | - |
| 360 | Variation Environmental Permit (VEP) | 26d 14-Aug-15 | 18-Sep-15 | 0d | 01-Sep-15A | 21-Dec-15A | - | - | - | - | - | - | - | - |
| 361 | DP100820 Revise ERR and submit VEP to Director of ESD | 5d 14-Aug-15 | 0d | 01-Sep-15A | 30-Nov-15A | - | - | - | - | - | - | - | - | - |
| 362 | DP100830 EPD issue VEP | 0d 18-Sep-15 | 0d | 18-Sep-15A | 100% | - | - | - | - | - | - | - | - | - |
| 364 | Detailed Design Submission (DDS) - GENERAL CIVIL, ABWF AND LANDSCAPE | 34d 19-Nov-14 | 22-Feb-15 | 9d | 18-Dec-14A | 19-Dec-14A | - | - | - | - | - | - | - | - |
| 365 | Overall Design General Building Plans Design | 34d 19-Dec-14 | 23-Feb-16 | 67d | 18-Dec-14A | 05-Sep-16 | - | - | - | - | - | - | - | - |
| 366 | DD101000 Prepare & submit General Building Plans to Stat Authorities/ Government, IC, ER & Employer | 178d 19-Dec-14 | 30-Jul-15 | 38d | 18-Dec-14A | 05-Sep-16 | - | - | - | - | - | - | - | - |
| 368 | DD101020 General Building Plans endorsed by Stat Authorities/ Government | 105d 19-Dec-14 | 28-May-15 | 0d | 18-Dec-14A | 12-Jan-15A | 100% | - | - | - | - | - | - | - |
| 369 | DD101040 Submit General Building Plans to IC, ER & Employer | 0d 17-Jun-15 | 0d | 17-Jun-15 | 0d | 22-Jun-16* | 0% | - | - | - | - | - | - | - |
| 370 | DD101060 IC Checks & comments on General Building Plans | 14d 19-Jun-15 | 02-Jul-15 | 38d | 18-Dec-14A | 05-Sep-16 | - | - | - | - | - | - | - | - |
| 372 | DD101080 Revise & resubmit General Building Plans to IC, ER & Employer | 7d 03-Jul-15 | 09-Jul-15 | 7d | 08-Aug-16 | 15-Aug-16 | 0% | - | - | - | - | - | - | - |
| 373 | DD101100 IC Checks & certificate General Building Plans | 7d 10-Jul-15 | 16-Jul-15 | 7d | 16-Aug-16 | 22-Aug-16 | 0% | - | - | - | - | - | - | - |
| 374 | DD101120 Employer consents to General Building Plans | 0d 30-Jul-15 | 0d | 05-Sep-16 | 0d | 04-Oct-16 | 0% | - | - | - | - | - | - | - |
| 375 | Fire Safety Strategy Report | 188d 19-Dec-14 | 11-Aug-15 | 67d | 19-Dec-14A | 05-Sep-16 | - | - | - | - | - | - | - | - |
| 376 | DD102110 Prepare & submit Detailed Design of Fire Safety Strategy Report to Stat Authorities/ Government, IC, ER & Employer | 14d 19-Dec-14 | 12-Jun-15 | 67d | 19-Dec-14A | 12-Jan-15A | 100% | - | - | - | - | - | - | - |
| 378 | DD102115 Comment from FSD | 0d 30-Mar-15 | 0d | 31-Mar-15 | 0d | 08-Jun-15A | 100% | - | - | - | - | - | - | - |
| 379 | DD102120 Prepare & Re-submit Fire Safety Strategy Report to FSD | 40d 31-Mar-15 | 20-Jun-15 | 0d | 09-Jun-15A | 03-Jun-15A | 100% | - | - | - | - | - | - | - |
| 380 | DD102130 Lektor with FSD for Agreement in EA | 60d 31-Mar-15 | 29-Jun-15 | 0d | 28-Jun-15 | 15-Jun-16* | 0% | - | - | - | - | - | - | - |
| 381 | DD102140 Detailed Design of Fire Safety Strategy Report Approved by FSD | 0d 30-Jun-15 | 0d | 30-Jun-15 | 0d | 17-Mar-15A | 100% | - | - | - | - | - | - | - |
| 382 | DD102180 Submit Detailed Design of Fire Safety Strategy Report to IC, ER & Employer | 14d 01-Jul-15 | 14-Jul-15 | 0d | 18-Mar-15A | 27-Mar-15A | 100% | - | - | - | - | - | - | - |
| 383 | DD102200 IC Checks & comments on Detailed Design of Fire Safety Strategy Report | 7d 15-Jul-15 | 21-Jul-15 | 35d | 26-Mar-15A | 22-Jul-16 | 60% | - | - | - | - | - | - | - |
| 384 | DD102220 Revise & resubmit Detailed Design of Fire Safety Strategy Report | 7d 22-Jul-15 | 7d | 23-Jul-16 | 0d | 19-Dec-16 | 0% | - | - | - | - | - | - | - |
| 385 | DD102240 IC Checks & certificate Detailed Design of Fire Safety Strategy Report | 0d 11-Aug-15 | 0d | 05-Sep-16 | 0d | 04-Oct-16 | 0% | - | - | - | - | - | - | - |
| 386 | DD102260 Employer consents to Detailed Design of Fire Safety Strategy Report | 48d 23-Mar-15 | 03-Jun-15 | 9d | 23-Mar-15A | 30-Jun-16 | 0% | - | - | - | - | - | - | - |
| 387 | DD102270 Prepare & submit Site Web Layout Drawings for ArchSD Comment | 48d 23-Mar-15 | 03-Jun-15 | 9d | 23-Mar-15A | 30-Jun-16 | 0% | - | - | - | - | - | - | - |
| 388 | DD102290 Prepare & submit Architectural Layout Drawings for Building #2 for ArchSD Comment | 48d 23-Mar-15 | 03-Jun-15 | 9d | 23-Mar-15A | 30-Jun-16 | 0% | - | - | - | - | - | - | - |
| 389 | DD102300 Geotechnical Design including Natural Terrain Hazard Mitigation works | 91d 12-Feb-15 | 08-Jun-15 | 0d | 23-Mar-15A | 20-Jul-15A | 100% | - | - | - | - | - | - | - |
| 390 | DD102320 Prepare & submit Architectural Layout Drawings of Building #1 for ArchSD Comment | 48d 23-Mar-15 | 03-Jun-15 | 0d | 23-Mar-15A | 20-Jul-15A | 100% | - | - | - | - | - | - | - |
| 391 | DD101140 Prepare & submit Geotechnical Interpretive Report to GEO | 30d 12-Feb-15 | 27-Mar-15 | 0d | 11-Feb-15A | 27-Mar-15A | 100% | - | - | - | - | - | - | - |
| 392 | DD101160 GEO - Comment on Geotechnical Interpretive Report | 0d 24-Apr-15 | 0d | 27-Apr-15 | 0d | 20-Apr-15A | 100% | - | - | - | - | - | - | - |
| 393 | DD101180 Submit Geotechnical Interpretive Report to IC, ER & Employer | 14d 28-Apr-15 | 11-May-15 | 0d | 28-Mar-15A | 08-Apr-15A | 100% | - | - | - | - | - | - | - |
| 394 | DD101200 IC Checks & comments on Geotechnical Interpretive Report to IC, Employer & ER | 7d 12-May-15 | 18-May-15 | 0d | 09-Apr-15A | 15-Jun-15A | 100% | - | - | - | - | - | - | - |
| 395 | DD101220 Revise & resubmit Geotechnical Interpretive Report | 30d 12-Feb-15 | 23-Feb-16 | 0d | 11-Feb-15A | 11-Aug-16 | 0% | - | - | - | - | - | - | - |
| 396 | DD101230 Prepare & submit Geotechnical Interpretive Report to GEO | 0d 24-Apr-15 | 0d | 27-Apr-15 | 0d | 20-Apr-15A | 100% | - | - | - | - | - | - | - |
| 397 | DD101160 GEO - Comment on Geotechnical Interpretive Report | 0d 27-Apr-15 | 0d | 27-Apr-15 | 0d | 27-Mar-15A | 100% | - | - | - | - | - | - | - |
| 398 | DD101180 Submit Geotechnical Interpretive Report to IC, ER & Employer | 14d 28-Apr-15 | 11-May-15 | 0d | 28-Mar-15A | 08-Apr-15A | 100% | - | - | - | - | - | - | - |
| 399 | DD101200 IC Checks & comments on Geotechnical Interpretive Report to IC, Employer & ER | 7d 12-May-15 | 18-May-15 | 0d | 09-Apr-15A | 15-Jun-15A | 100% | - | - | - | - | - | - | - |
| 400 | DD101220 Revise & resubmit Geotechnical Interpretive Report | 7d 19-May-15 | 25-May-15 | 0d | 16-Jul-15A | 30-Sep-15A | 100% | - | - | - | - | - | - | - |
| 401 | DD101240 IC Checks & certificate Geotechnical Interpretive Report | 0d 05-Jun-15 | 0d | 05-Jun-15 | 0d | 22-Oct-15A | 100% | - | - | - | - | - | - | - |
| 402 | DD101260 Employer consents to Geotechnical Interpretive Report | 0d 05-Jun-15 | 0d | 05-Jun-15 | 0d | 11-Jun-15A | 11-Jun-15A | - | - | - | - | - | - | - |

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| # | Activity ID | Activity Name | BL Project # | Project Duration | SL Project Duration | Start Date | Remaining Duration | Finish Date | Actual % Complete | Total Work | Work Bl. Project % Complete | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
|-----|-------------|---|--------------|------------------|---------------------|------------|--------------------|-------------|-------------------|------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 403 | D010280 | Natural Ventilation Hazard Mitigation | | 14d | 26-Aug-15 | 22-Feb-16 | 0d | 20-May-15A | 100% | 36d | -144d | | | | | | | | | | | | |
| 404 | D010290 | Prepare & submit NTH Assessment Study report to GEO | | 3d | 26-Aug-15 | 08-Oct-15 | 0d | 20-May-15A | 100% | 76d | -72d | | | | | | | | | | | | |
| 405 | D010320 | GEO - Approval of NTH Assessment Study report | | 20d | 06-Nov-15 | 03-Dec-15 | 0d | 23-Feb-16A | 100% | -122d | | | | | | | | | | | | | |
| 406 | D010330 | Prepare & submit Design of NTH Mitigation works to GEO | | 20d | 04-Dec-15 | 04-Jan-16 | 2d | 30-Jun-16 | 0% | 35d | -139d | | | | | | | | | | | | |
| 407 | D010340 | IC Checks & certificate Method of Construction of NTH Mitigation Design | | 14d | 05-Jan-16 | 18-Jan-16 | 0d | 29-Jun-16 | 0% | 52d | -26d | | | | | | | | | | | | |
| 408 | D010350 | GEO - Approval of NTH Mitigation Design | | 0d | 04-Jan-16 | 0d | 0d | 29-Jun-16 | 0% | -1d | -19d | | | | | | | | | | | | |
| 409 | D010360 | Submit NTH Mitigation Design to IC, ER & Employer | | 0d | 05-Jan-16 | 0d | 0d | 30-Jun-16 | 0% | -1d | -19d | | | | | | | | | | | | |
| 410 | D010380 | IC Checks & comments on NTH Mitigation Design | | 14d | 06-Jan-16 | 19-Jan-16 | 1d | 01-Jul-16 | 0% | 45d | -177d | | | | | | | | | | | | |
| 411 | D010400 | Revised & resubmit NTH Mitigation Design to IC, Employer & ER | | 7d | 20-Jan-16 | 26-Jan-16 | 7d | 15-Jul-16 | 0% | 45d | -177d | | | | | | | | | | | | |
| 412 | D010420 | IC Checks & certificate NTH Mitigation Design | | 14d | 27-Jan-16 | 0d | 22-Jul-16 | 0d | 0% | 45d | -177d | | | | | | | | | | | | |
| 413 | D010440 | Employer consents to NTH Mitigation Design | | 0d | 23-Feb-16 | 0d | 0d | 0d | 0% | 45d | -177d | | | | | | | | | | | | |
| 414 | D010450 | Waste Receiving & Administration Building #1 | | 18d | 21-Apr-15 | 22-Nov-15 | 4d | 13-Aug-16A | 0% | 59d | -207d | | | | | | | | | | | | |
| 415 | D010460 | Rail Fencing and Substructure Design | | 7d | 21-Apr-15 | 15-Jul-15 | 0d | 13-Aug-15A | 0% | -89d | -89d | | | | | | | | | | | | |
| 416 | D011000 | Prepare & submit Detailed Substructure Design of Bdg #1 to IC, ER & Employer | | 3d | 21-Apr-15 | 03-Jun-15 | 0d | 13-Aug-15A | 0% | -89d | -89d | | | | | | | | | | | | |
| 417 | D011010 | Prepare & submit Method of Construction for Substructure of Bdg #1 | | 30d | 21-Apr-15 | 03-Jun-15 | 0d | 29-Aug-15A | 100% | -32d | -10d | | | | | | | | | | | | |
| 418 | D011020 | IC Checks & certificate Method of Construction for Detailed Substructure Design of Bdg #1 | | 14d | 04-Jun-15 | 17-Jun-15 | 0d | 03-Feb-16A | 100% | -269d | -269d | | | | | | | | | | | | |
| 419 | D011030 | IC Checks & comments on Detailed Substructure Design of Bdg #1 to IC, ER & Employer | | 7d | 26-Jun-15 | 24-Jul-15 | 0d | 12-Aug-15A | 100% | -45d | -45d | | | | | | | | | | | | |
| 420 | D011040 | Revised & resubmit Detailed Substructure Design of Bdg #1 to IC, ER & Employer | | 3d | 21-Aug-15 | 01-Jul-15 | 0d | 29-Aug-15A | 100% | -183d | -183d | | | | | | | | | | | | |
| 421 | D011050 | IC Checks & certificate Method of Construction of Detailed Substructure Design of Bdg #1 | | 14d | 04-Jun-15 | 17-Jun-15 | 0d | 21-Aug-15A | 100% | -186d | -186d | | | | | | | | | | | | |
| 422 | D011060 | IC Checks & comments on Detailed Substructure Design of Bdg #1 to IC, ER & Employer | | 7d | 26-Jun-15 | 24-Jul-15 | 0d | 29-Aug-15A | 100% | -186d | -186d | | | | | | | | | | | | |
| 423 | D011070 | Revised & resubmit Detailed Substructure Design of Bdg #1 to IC, ER & Employer | | 3d | 21-Aug-15 | 01-Jul-15 | 0d | 29-Aug-15A | 100% | -186d | -186d | | | | | | | | | | | | |
| 424 | D011080 | IC Checks & certificate Detailed Substructure Design of Bdg #1 | | 0d | 15-Jul-15 | 15-Jul-15 | 0d | 27-Jun-16A | 100% | -186d | -186d | | | | | | | | | | | | |
| 425 | D011090 | Superstructure Design | | 7d | 04-Jun-15 | 31-Aug-15 | 0d | 04-Jun-15A | 100% | -188d | -188d | | | | | | | | | | | | |
| 426 | D011100 | Prepare & submit Detailed Superstructure Design of Bdg #1 to IC, ER & Employer | | 32d | 04-Jun-15 | 20-Jul-15 | 0d | 04-Jun-15A | 100% | -45d | -45d | | | | | | | | | | | | |
| 427 | D011110 | Revised & resubmit Detailed Substructure Design of Bdg #1 to IC, Employer & ER | | 32d | 04-Jun-15 | 20-Jul-15 | 0d | 01-Feb-16A | 100% | -173d | -173d | | | | | | | | | | | | |
| 428 | D011120 | IC Checks & certificate Detailed Substructure Design of Bdg #1 | | 14d | 21-Jul-15 | 03-Aug-15 | 0d | 01-Aug-16A | 100% | -262d | -262d | | | | | | | | | | | | |
| 429 | D011130 | IC Checks & comments on Detailed Superstructure Design of Bdg #1 | | 7d | 24-Aug-15 | 17-Aug-15 | 0d | 01-Nov-15A | 100% | -212d | -212d | | | | | | | | | | | | |
| 430 | D011140 | Revised & resubmit Detailed Superstructure Design of Bdg #1 to IC, ER & Employer | | 3d | 21-Aug-15 | 01-Jul-15 | 0d | 29-Aug-15A | 100% | -179d | -179d | | | | | | | | | | | | |
| 431 | D011150 | IC Checks & certificate Detailed Superstructure Design of Bdg #1 to IC, ER & Employer | | 7d | 11-Aug-15 | 17-Aug-15 | 0d | 01-Nov-15A | 100% | -205d | -205d | | | | | | | | | | | | |
| 432 | D011160 | Revised & resubmit Detailed Superstructure Design of Bdg #1 to IC, ER & Employer | | 3d | 21-Aug-15 | 01-Jul-15 | 0d | 30-Mar-16A | 100% | -212d | -212d | | | | | | | | | | | | |
| 433 | D011170 | IC Checks & certificate Detailed Superstructure Design of Bdg #1 to IC, ER & Employer | | 0d | 10d | 28-Nov-15 | 4d | 01-Nov-16A | 59d | -207d | -207d | | | | | | | | | | | | |
| 434 | D011180 | Employer consents to Detailed Superstructure Design of Bdg #1 | | 7d | 21-Aug-15 | 23-Oct-15 | 0d | 01-Nov-16A | 100% | -212d | -212d | | | | | | | | | | | | |
| 435 | D011190 | Building #1 Roof Structure | | 3d | 21-Aug-15 | 11-Sep-15 | 0d | 01-Nov-16A | 100% | -179d | -179d | | | | | | | | | | | | |
| 436 | D011200 | Prepare & submit Detailed Design of Bdg #1 Roof - Structural Steelwork | | 23d | 10-Aug-15 | 11-Sep-15 | 0d | 21-Jun-16 | 0% | 76d | -213d | | | | | | | | | | | | |
| 437 | D011210 | Revised & resubmit Detailed Design of Bdg #1 Roof - Structural Steelwork | | 14d | 12-Sep-15 | 25-Sep-15 | 14d | 27-Jul-16 | 0% | -111d | -319d | | | | | | | | | | | | |
| 438 | D011220 | IC Checks & comments on Detailed Design of Bdg #1 Roof - Structural Steelwork | | 14d | 12-Sep-15 | 25-Sep-15 | 3d | 06-Jun-16A | 78.57% | -289d | -289d | | | | | | | | | | | | |
| 439 | D011230 | Revised & resubmit Detailed Design of Bdg #1 Roof - Structural Steelwork to IC, Employer & ER | | 7d | 26-Sep-15 | 02-Oct-15 | 7d | 21-Jun-16 | 0% | -89d | -289d | | | | | | | | | | | | |
| 440 | D011240 | IC Checks & certificate Detailed Design of Bdg #1 Roof - Structural Steelwork | | 7d | 03-Oct-15 | 06-Oct-15 | 7d | 28-Jun-16 | 0% | -89d | -289d | | | | | | | | | | | | |
| 441 | D011250 | Employer consents to Detailed Design of Bdg #1 Roof - Structural Steelwork | | 0d | 23-Oct-15 | 0d | 0d | 0d | 0% | 76d | -213d | | | | | | | | | | | | |
| 442 | D011260 | Revised & resubmit Detailed Design of Bdg #1 Roof - Structural Steelwork | | 60d | 14-Sep-15 | 25-Nov-15 | 3d | 01-Nov-16A | 100% | -53d | -201d | | | | | | | | | | | | |
| 443 | D011270 | IC Checks & certificate Method of Construction for CAPC Stack - Steel Support | | 21d | 14-Sep-15 | 14-Oct-15 | 14d | 20-May-16A | 100% | -151d | -151d | | | | | | | | | | | | |
| 444 | D011280 | Revised & resubmit Detailed CAPC Stack - Steel Support Design to IC, ER & Employer | | 14d | 15-Oct-15 | 28-Oct-15 | 14d | 20-Jun-16A | 100% | -64d | -279d | | | | | | | | | | | | |
| 445 | D011290 | IC Checks & comments on Detailed CAPC Stack - Steel Support Design to IC, ER & Employer | | 7d | 28-Oct-15 | 04-Nov-15 | 1d | 11-Jun-16A | 85.71% | -109d | -227d | | | | | | | | | | | | |
| 446 | D011300 | Revised & resubmit Method of Construction for CAPC Stack - Steel Support | | 7d | 05-Nov-15 | 11-Nov-15 | 7d | 19-Jun-16A | 0% | -109d | -227d | | | | | | | | | | | | |
| 447 | D011310 | IC Checks & comments on Detailed CAPC Stack - Steel Support Design to IC, ER & Employer | | 14d | 11-Nov-15 | 24-Apr-15 | 0d | 29-Aug-15A | 100% | -18d | -54d | | | | | | | | | | | | |
| 448 | D011320 | Revised & resubmit Detailed CAPC Stack - Steel Support Design to IC, ER & Employer | | 7d | 25-Apr-15 | 01-May-15 | 0d | 13-May-15A | 100% | -18d | -54d | | | | | | | | | | | | |
| 449 | D011330 | IC Checks & comments on Detailed CAPC Stack - Steel Support Design to IC, ER & Employer | | 0d | 14-May-15 | 0d | 0d | 0d | 0% | 114d | -227d | | | | | | | | | | | | |
| 450 | D011340 | Employer consents to Detailed CAPC Stack - Steel Support Design | | 18d | 12-Mar-15 | 30-Oct-15 | 3d | 12-Mar-15A | 0% | -224d | -224d | | | | | | | | | | | | |
| 451 | D011350 | Composting & Maturation Building #2 | | 57d | 12-Mar-15 | 22-May-15 | 0d | 12-Mar-15A | 100% | -120d | -120d | | | | | | | | | | | | |
| 452 | D021100 | Prepare & submit Detailed Substructure Design of Bdg #2 to IC, ER & Employer | | 19d | 12-Mar-15 | 10-Apr-15 | 0d | 12-Mar-15A | 100% | -12d | -12d | | | | | | | | | | | | |
| 453 | D0211010 | Revised & resubmit Method of Construction for Substructure of Bdg #2 to IC, ER & Employer | | 19d | 12-Mar-15 | 10-Apr-15 | 0d | 12-Mar-15A | 100% | -50d | -50d | | | | | | | | | | | | |
| 454 | D0211015 | IC Checks & comments on Detailed Substructure Design of Bdg #2 to IC, ER & Employer | | 14d | 11-Apr-15 | 24-Apr-15 | 0d | 24-Jun-15A | 100% | -114d | -227d | | | | | | | | | | | | |
| 455 | D0211020 | Revised & resubmit Detailed Substructure Design of Bdg #2 to IC, ER & Employer | | 7d | 25-Apr-15 | 01-May-15 | 0d | 13-May-15A | 100% | -18d | -54d | | | | | | | | | | | | |
| 456 | D0211040 | IC Checks & comments on Detailed Substructure Design of Bdg #2 to IC, ER & Employer | | 0d | 14-May-15 | 0d | 0d | 0d | 0% | 114d | -227d | | | | | | | | | | | | |
| 457 | D02110450 | Employer consents to Detailed Substructure Design of Bdg #2 to IC, ER & Employer | | 18d | 12-Mar-15 | 22-May-15 | 0d | 12-Mar-15A | 100% | -120d | -120d | | | | | | | | | | | | |
| 458 | D02110460 | Revised & resubmit Detailed Substructure Design of Bdg #2 to IC, ER & Employer | | 0d | 14-May-15 | 0d | 0d | 0d | 0% | 114d | -227d | | | | | | | | | | | | |

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Environmental Protection Department
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Contract Programme Progress Updated on 17-Jun-16

Environmental Protection Department
of the HKSR

Contract No. EP/SP/61/10

Contract Programme Progress Updated on 17-Jun-16

Organic Waste Treatment Facilities Phase I

| # | Activity ID | Activity Name | BL Project ID | Project Start Date | Project Duration | SL Project Finish | Remaining Duration | Start Date | Finish Date | Actual % Complete | Total Work | Work Bl. Project | Work Bl. Actual | Work Bl. Extras | 2015 | 2016 | 2017 |
|-----|-------------|---|---------------|--------------------|------------------|-------------------|--------------------|------------|-------------|-------------------|------------|------------------|-----------------|-----------------|----------------|---------------|------|
| 681 | DE01060 | HAZOP Analysis | | 5d - 23-Mar-15 | 27-Mar-15 | 0d | 23-Mar-15A | 27-Mar-15A | 100% | 0d | | | | | HACCP Analysis | | |
| 682 | DE10200 | Waste Receiving, Storage & Feeding System | | 153d - 26-Dec-14 | 06-Jul-15 | 0d | 28-Dec-14A | 07-Dec-15A | | -127d | | | | | | | |
| 683 | DE10200 | Prepare & make Waste Receiving Equipment & Performance Submission to IC, ER & Employer | | 153d - 26-Dec-14 | 08-Jul-15 | 0d | 28-Dec-14A | 07-Dec-15A | 100% | 0d | | | | | | | |
| 684 | DE10250 | IC Checks & comments on Waste Receiving, Storage & Feeding Equipment | | 153d - 26-Dec-14 | 08-Jul-15 | 0d | 28-Dec-14A | 07-Dec-15A | | -127d | | | | | | | |
| 685 | DE10300 | Revise & resubmit Waste Receiving Storage & Feeding Equipment to IC, Employer & ER | | 14d - 26-Jan-15 | 06-Feb-15 | 0d | 25-Jan-15A | 16-Feb-15A | 100% | -10d | | | | | | | |
| 686 | DE10350 | IC Checks & certificate Waste Receiving, Storage and Feeding Equipment | | 7d - 07-Feb-15 | 13-Feb-15 | 0d | 17-Feb-15A | 18-Feb-15A | 100% | -5d | | | | | | | |
| 687 | DE10400 | Employer consents to Waste Receiving, Storage and Feeding Equipment | | 7d - 14-Feb-15 | 20-Feb-15 | 0d | 19-Feb-15A | 20-Feb-15A | 100% | -4d | | | | | | | |
| 688 | DE10450 | Prepare & submit Detailed Design of Waste Receiving, Storage & Feeding Equipment | | 0d | 06-Mar-15 | 0d | 19-Mar-15A | 19-Mar-15A | 100% | -105d | | | | | | | |
| 689 | DE10500 | IC Checks & comments on Detailed Design of Waste Receiving, Storage & Feeding System | | 33d - 09-Apr-15 | 27-May-15 | 0d | 02-Jun-15A | 07-Oct-15A | 100% | -42d | | | | | | | |
| 690 | DE10550 | Revise & resubmit Detailed Design of Waste Receiving, Storage & Feeding System to IC, Employer & ER | | 14d - 28-May-15 | 10-Jun-15 | 0d | 01-Aug-15A | 06-Nov-15A | 100% | -149d | | | | | | | |
| 691 | DE10600 | IC Checks & certificate Waste Receiving, Storage & Feeding Equipment | | 7d - 31-Jun-15 | 17-Jun-15 | 0d | 07-Aug-15A | 16-Nov-15A | 100% | -154d | | | | | | | |
| 692 | DE10650 | Employer consents to Waste Receiving, Storage and Feeding System | | 7d - 18-Jun-15 | 24-Jun-15 | 0d | 10-Sep-15A | 24-Jun-15A | 100% | -13d | | | | | | | |
| 693 | DE10700 | Prepare & make Waste Receiving, Storage & Feeding System | | 0d | 08-Jul-15 | 0d | 07-Dec-15A | 100% | -152d | | | | | | | | |
| 694 | DE10750 | IC Checks & certificate Waste Receiving, Storage & Feeding System | | 153d - 08-Jan-15 | 20-Jul-15 | 0d | 18-Jan-15A | 16-Jan-16A | | -180d | | | | | | | |
| 695 | DE10800 | Employer consents to Waste Receiving, Storage and Feeding System | | 20d - 08-Jan-15 | 04-Feb-15 | 0d | 18-Jan-15A | 03-Feb-15A | 100% | 1d | | | | | | | |
| 696 | DE10850 | Pre-Treatment System | | 153d - 08-Jan-15 | 20-Jul-15 | 0d | 18-Jan-15A | 18-Jan-16A | | -150d | | | | | | | |
| 697 | DE10900 | Prepare & make Pre-treatment Equipment & Performance Submission to IC, ER & Employer | | 14d - 05-Feb-15 | 27-Feb-15 | 0d | 04-Feb-15A | 04-Feb-15A | 100% | -9d | | | | | | | |
| 698 | DE10950 | IC Checks & comments on Pre-treatment Equipment | | 7d - 19-Feb-15 | 25-Feb-15 | 0d | 04-Mar-15A | 04-Mar-15A | 100% | -7d | | | | | | | |
| 699 | DE11000 | Revise & resubmit Pre-treatment Equipment to IC, Employer & ER | | 7d - 26-Feb-15 | 04-Mar-15 | 0d | 05-Mar-15A | 09-Mar-15A | 100% | -5d | | | | | | | |
| 700 | DE11050 | Employer consents to Pre-treatment Equipment | | 0d | 18-Mar-15 | 0d | 25-Jun-15A | 100% | -89d | | | | | | | | |
| 701 | DE11100 | Prepare & submit Detailed Design of Pre-treatment System to IC, ER & Employer | | 33d - 21-Apr-15 | 08-Jun-15 | 0d | 02-Jun-15A | 11-Aug-15A | 100% | -45d | | | | | | | |
| 702 | DE11150 | IC Checks & comments on Detailed Design of Pre-treatment System | | 14d - 09-Jun-15 | 22-Jun-15 | 0d | 12-Aug-15A | 20-Aug-15A | 100% | -89d | | | | | | | |
| 703 | DE11200 | Revise & resubmit Detailed Design of Pre-treatment System to IC, Employer & ER | | 7d - 23-Jun-15 | 29-Jun-15 | 0d | 21-Aug-15A | 15-Sep-15A | 100% | -78d | | | | | | | |
| 704 | DE11250 | Employer consents to Detailed Design of Pre-treatment System | | 7d - 30-Jun-15 | 06-Jul-15 | 0d | 05-Sep-15A | 20-Sep-15A | 100% | -81d | | | | | | | |
| 705 | DE11300 | Prepare & make AD Treatment System | | 0d | 20-Jul-15 | 0d | 18-Jan-16A | 100% | -123d | | | | | | | | |
| 706 | DE11350 | IC Checks & certificate AD Treatment System | | 205d - 09-Feb-15 | 20-Oct-15 | 0d | 07-Feb-15A | 21-Dec-15A | | -22d | | | | | | | |
| 707 | DE11400 | Employer consents to Detailed Design of AD Treatment System | | 205d - 09-Feb-15 | 20-Oct-15 | 0d | 07-Feb-15A | 21-Dec-15A | | -62d | | | | | | | |
| 708 | DE11450 | Prepare & make AD Treatment System | | 19d - 09-Feb-15 | 20-Oct-15 | 0d | 07-Feb-15A | 21-Dec-15A | | -10d | | | | | | | |
| 709 | DE11500 | IC Checks & comments on AD Treatment System | | 14d - 07-Mar-15 | 20-Mar-15 | 0d | 06-Mar-15A | 09-Mar-15A | 100% | -11d | | | | | | | |
| 710 | DE11550 | Employer consents to AD Treatment System | | 7d - 21-Mar-15 | 27-Mar-15 | 0d | 10-Mar-15A | 13-Mar-15A | 100% | -14d | | | | | | | |
| 711 | DE11600 | Prepare & submit Detailed Design of AD Treatment System to IC, ER & Employer | | 7d - 28-Mar-15 | 03-Apr-15 | 0d | 06-Mar-15A | 06-Mar-15A | 100% | -25d | | | | | | | |
| 712 | DE11650 | IC Checks & certificate AD Treatment System | | 0d | 17-Apr-15 | 0d | 18-May-15A | 24-Jun-15A | 100% | -178d | | | | | | | |
| 713 | DE11700 | Employer consents to AD Treatment System | | 36d - 16-Jul-15 | 08-Sep-15 | 0d | 25-Jul-15A | 06-Aug-15A | 100% | -32d | | | | | | | |
| 714 | DE11750 | Prepare & submit Detailed Design of AD Treatment System | | 14d - 09-Sep-15 | 22-Sep-15 | 0d | 25-Jul-15A | 06-Aug-15A | 100% | -47d | | | | | | | |
| 715 | DE11800 | IC Checks & certificate AD Treatment System | | 7d - 23-Sep-15 | 30-Sep-15 | 0d | 07-Aug-15A | 24-Aug-15A | 100% | -36d | | | | | | | |
| 716 | DE11850 | Employer consents to AD Treatment System | | 7d - 30-Sep-15 | 06-Oct-15 | 0d | 14-Aug-15A | 04-Sep-15A | 100% | -42d | | | | | | | |
| 717 | DE11900 | Prepare & make Biogas Cleaning, Storage and Distribution System | | 153d - 26-Jan-15 | 05-Aug-15 | 0d | 28-Jan-15A | 01-Mar-16A | | -170d | | | | | | | |
| 718 | DE11950 | IC Checks & comments on Biogas Cleaning & Storage Equipment | | 152d - 28-Jan-15 | 05-Aug-15 | 0d | 28-Jan-15A | 01-Mar-16A | | -170d | | | | | | | |
| 719 | DE12000 | Employer consents to Biogas Cleaning & Storage Equipment | | 184d - 28-Jan-15 | 24-Feb-15 | 0d | 28-Jan-15A | 23-Feb-15A | 100% | 1d | | | | | | | |
| 720 | DE12050 | Prepare & submit Detailed Design of Biogas System to IC, ER & Employer | | 44d - 25-Feb-15 | 10-Mar-15 | 0d | 24-Feb-15A | 06-Mar-15A | 100% | -4d | | | | | | | |
| 721 | DE12100 | IC Checks & comments on Biogas Cleaning & Storage Equipment | | 70d - 11-Mar-15 | 17-Mar-15 | 0d | 07-Mar-15A | 13-Mar-15A | 100% | -40d | | | | | | | |
| 722 | DE12150 | Employer consents to Biogas System to IC, ER & Employer | | 7d - 18-Mar-15 | 24-Mar-15 | 0d | 07-Apr-15 | 14-Apr-15 | 100% | -8d | | | | | | | |
| 723 | DE12200 | Prepare & make Biogas Equipment & Performance Submission to IC, ER & Employer | | 152d - 15-Jan-15 | 03-Jul-15 | 0d | 28-Jan-15A | 01-Mar-16A | | -131d | | | | | | | |
| 724 | DE12250 | IC Checks & comments on Biogas Cleaning & Storage Equipment | | 152d - 15-Jan-15 | 03-Jul-15 | 0d | 28-Jan-15A | 01-Mar-16A | | -131d | | | | | | | |
| 725 | DE12300 | Revise & resubmit Biogas Cleaning & Storage System to IC, Employer & ER | | 7d - 09-Jul-15 | 15-Jul-15 | 0d | 06-Oct-15A | 10-Dec-15A | 100% | -184d | | | | | | | |
| 726 | DE12350 | IC Checks & comments on Biogas Cleaning & Storage Equipment | | 7d - 16-Jul-15 | 22-Jul-15 | 0d | 15-Oct-15A | 15-Dec-15A | 100% | -46d | | | | | | | |
| 727 | DE12400 | Employer consents to Biogas Cleaning & Storage Equipment | | 0d | 05-Aug-15 | 0d | 07-Sep-15A | 20-Sep-15 | 100% | -43d | | | | | | | |
| 728 | DE12450 | Prepare & submit Detailed Design of Biogas System to IC, ER & Employer | | 135d - 15-Jan-15 | 03-Jul-15 | 0d | 15-Jan-15A | 07-Dec-15A | | -131d | | | | | | | |
| 729 | DE12500 | IC Checks & comments on Biogas Cleaning & Storage Equipment | | 135d - 15-Jan-15 | 03-Jul-15 | 0d | 15-Jan-15A | 07-Dec-15A | | -131d | | | | | | | |
| 730 | DE12550 | Employer consents to Biogas Cleaning & Storage Equipment | | 37d - 04-May-15 | 24-Jun-15 | 0d | 02-Jun-15A | 25-Oct-15A | 100% | -43d | | | | | | | |
| 731 | DE12600 | Prepare & make Biogas Equipment & Performance Submission to IC, ER & Employer | | 14d - 25-Jun-15 | 08-Jul-15 | 0d | 06-Aug-15A | 09-Nov-15A | 100% | -124d | | | | | | | |
| 732 | DE12650 | IC Checks & comments on Biogas Cleaning & Storage Equipment | | 70d - 09-Jul-15 | 15-Jul-15 | 0d | 06-Oct-15A | 10-Dec-15A | 100% | -184d | | | | | | | |
| 733 | DE12700 | Employer consents to Biogas Cleaning & Storage Equipment | | 7d - 16-Jul-15 | 22-Jul-15 | 0d | 15-Oct-15A | 15-Dec-15A | 100% | -46d | | | | | | | |
| 734 | DE12750 | Prepare & submit Detailed Design of Biogas System to IC, ER & Employer | | 0d | 05-Aug-15 | 0d | 07-Sep-15A | 07-Jan-16A | 100% | -135d | | | | | | | |
| 735 | DE12800 | IC Checks & comments on Biogas Cleaning & Storage System | | 135d - 15-Jan-15 | 03-Jul-15 | 0d | 15-Jan-15A | 07-Dec-15A | | -131d | | | | | | | |
| 736 | DE12850 | Combined Heat Recovery and Power (CHP) Generation System | | 135d - 15-Jan-15 | 03-Jul-15 | 0d | 15-Jan-15A | 07-Dec-15A | | -131d | | | | | | | |
| 737 | DE12900 | BaseLine: Contract Programme for The Design and Construction Works | | | | | | | | | | | | | Page 13 of 39 | Page 14 of 39 | |

Environmental Protection Department
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Organic Waste Treatment Facilities Phase I

| # | Activity ID | Activity Name | BL Project Start Date | BL Project End Date | Remaining Duration | Start Date | Finish Date | Actual % Complete | Total Work | Work Bl Project | Work Actual | 2015 | 2016 | 2017 |
|-----|---|--|-----------------------|---------------------|--------------------|------------|--------------|-------------------|------------|-----------------|-------------|---|---|------|
| | | | 12d 15-Jan-15 | 30-Jan-15 | 0d | 15-Jan-15 | 26-Jan-15A | 100% | 49 | 49 | 49 | May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 738 | DE150200 | Prepare & make CHP Equipment & Performance Submission to IC, ER & Employer | 14d 31-Jan-15 | 13-Feb-15 | 0d | 17-Feb-15 | 20-Feb-15 | 100% | 70 | 70 | 70 | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 739 | DE150200 | IC Checks & comments on CHP Equipment | 7d 14-Feb-15 | 14-Feb-15 | 0d | 17-Feb-15 | 20-Feb-15A | 100% | -5d | -5d | -5d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 740 | DE150300 | Revised & resubmit CHP Equipment to IC, Employer & ER | 0d | 13-Mar-15 | 0d | 26-Feb-15A | 0d | 100% | -10d | -10d | -10d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 741 | DE150300 | IC Checks & comments on CHP Equipment | 7d 21-Feb-15 | 27-Feb-15 | 0d | 26-Feb-15A | 0d | 100% | -8d | -8d | -8d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 742 | DE150400 | Employer consents to CHP Equipment | 0d | 13-Mar-15 | 0d | 25-May-15A | 0d | 100% | -29d | -29d | -29d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 743 | DE150400 | Prepare & submit Detailed Design of CHP Generation System to IC, ER & Employer | 3d 31-Mar-15 | 22-May-15 | 0d | 26-Jul-15A | 0d | 100% | -45d | -45d | -45d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 744 | DE150500 | IC Checks & comments on Detailed Design of CHP Generation System | 14d 23-May-15 | 05-Jun-15 | 0d | 07-Jul-15A | 2d 1-Jul-15A | 100% | -13d | -13d | -13d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 745 | DE150500 | Revised & resubmit Detailed Design of CHP Generation System to IC, Employer & ER | 7d 06-Jun-15 | 12-Jun-15 | 0d | 25-Sep-15A | 0d | 100% | -146d | -146d | -146d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 746 | DE150600 | IC Checks & comments on CHP Generation System | 7d 13-Jun-15 | 19-Jun-15 | 0d | 03-Jul-15 | 0d | 100% | -157d | -157d | -157d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 747 | DE150600 | Employer consents to CHP Generation System | 0d | 16d 27-Feb-15 | 10-Sep-15 | 0d | 27-Feb-15A | 11-Dec-15A | 100% | -8d | -8d | -8d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | |
| 748 | Continuous Emission Monitoring System (CEMS) | | 160d 27-Feb-15 | 10-Sep-15 | 0d | 27-Feb-15A | 11-Dec-15A | 100% | -8d | -8d | -8d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 749 | DE180200 | Prepare & make CEMS Equipment & Performance Submission to IC, ER & Employer | 160d 27-Feb-15 | 10-Sep-15 | 0d | 27-Feb-15A | 17-Dec-15A | 100% | -8d | -8d | -8d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 750 | DE180200 | IC Checks & comments on CEMS Equipment | 20d 27-Feb-15 | 20-Mar-15 | 0d | 27-Mar-15A | 0d | 100% | 1d | 1d | 1d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 751 | DE180200 | Revised & resubmit CEMS Equipment to IC, ER & Employer | 14d 27-Mar-15 | 09-Apr-15 | 0d | 26-Mar-15A | 15-Apr-15A | 100% | -4d | -4d | -4d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 752 | DE180200 | IC Checks & comments on CEMS Equipment | 7d 10-Apr-15 | 16-Apr-15 | 0d | 09-Apr-15A | 15-Apr-15A | 100% | 1d | 1d | 1d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 753 | DE180200 | Employer consents to CEMS Equipment | 7d 17-Apr-15 | 23-Apr-15 | 0d | 16-Apr-15A | 20-Apr-15A | 100% | 3d | 3d | 3d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 754 | DE180300 | Prepare & submit Detailed Design of CEMS to IC, ER & Employer | 0d | 07-May-15 | 0d | 10-Jun-15A | 0d | 100% | -34d | -34d | -34d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 755 | DE180300 | IC Checks & comments on CEMS Equipment | 3d 10-Jun-15 | 30-Jul-15 | 0d | 10-Apr-15A | 25-Aug-15A | 100% | -18d | -18d | -18d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 756 | DE180300 | Revised & resubmit Detailed Design of CEMS to IC, ER & Employer | 14d 31-Jul-15 | 13-Aug-15 | 0d | 26-Aug-15A | 11-Sep-15A | 100% | -2d | -2d | -2d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 757 | DE180300 | IC Checks & comments on Detailed Design of CEMS | 7d 14-Aug-15 | 20-Aug-15 | 0d | 12-Sep-15A | 13-Oct-15A | 100% | -5d | -5d | -5d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 758 | DE180300 | Revised & resubmit Detailed Design of CEMS to IC, ER & Employer | 7d 21-Aug-15 | 27-Aug-15 | 0d | 14-Oct-15A | 0d | 100% | -7d | -7d | -7d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 759 | DE180300 | IC Checks & comments on CEMS | 0d | 10-Sep-15 | 0d | 10-Sep-15A | 0d | 100% | -8d | -8d | -8d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 760 | DE180300 | Employer consents to CEMS | 0d | 25d 19-Dec-14 | 28-Oct-15 | 0d | 23-Feb-15A | 28-Nov-15A | 100% | -26d | -26d | -26d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | |
| 761 | Digestate Dewatering System | | 250d 19-Dec-14 | 28-Oct-15 | 0d | 25-Feb-15A | 28-Nov-15A | 100% | -36d | -36d | -36d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 762 | DE163200 | Prepare & make Digestate Dewatering Equipment & Performance Submission to IC, ER & Employer | 250d 19-Dec-14 | 28-Oct-15 | 0d | 23-Feb-15A | 16-Mar-15A | 100% | -41d | -41d | -41d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 763 | DE163200 | IC Checks & comments on Digestate Dewatering Equipment | 16d 19-Dec-14 | 14-Jan-15 | 0d | 23-Feb-15A | 16-Mar-15A | 100% | -7d | -7d | -7d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 764 | DE163200 | Employer consents to Digestate Dewatering Equipment | 14d 15-Jan-15 | 28-Jan-15 | 0d | 17-Mar-15A | 15-Apr-15A | 100% | -43d | -43d | -43d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 765 | DE163200 | Prepare & submit Detailed Design of Digestate Dewatering System to IC, Employer & ER | 7d 28-Jan-15 | 04-Feb-15 | 0d | 09-Apr-15A | 08-Apr-15A | 100% | -63d | -63d | -63d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 766 | DE163300 | IC Checks & comments on Digestate Dewatering Equipment | 7d 05-Feb-15 | 11-Feb-15 | 0d | 09-Apr-15A | 02-Apr-15A | 100% | -127d | -127d | -127d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 767 | DE163300 | Employer consents to Digestate Dewatering Equipment | 0d | 25-Feb-15 | 14-Sep-15 | 0d | 10-Apr-15A | 08-Aug-15A | 100% | 26d | 26d | 26d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | |
| 768 | DE163400 | Prepare & submit Detailed Design of Digestate Dewatering System to IC, ER & Employer | 3d 29-Jul-15 | 14-Sep-15 | 0d | 09-Aug-15A | 08-Aug-15A | 100% | 47d | 47d | 47d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 769 | DE163400 | IC Checks & comments on Detailed Design of Digestate Dewatering System | 14d 15-Sep-15 | 28-Sep-15 | 0d | 09-Aug-15A | 06-Oct-15A | 100% | -11d | -11d | -11d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 770 | DE163500 | Revised & resubmit Detailed Design of Digestate Dewatering System to IC, ER & Employer | 7d 29-Sep-15 | 05-Oct-15 | 0d | 25-Sep-15A | 03-Nov-15A | 100% | -22d | -22d | -22d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 771 | DE163500 | IC Checks & certifies Digestate Dewatering System | 7d 06-Oct-15 | 28-Oct-15 | 0d | 26-Oct-15A | 03-Nov-15A | 100% | -30d | -30d | -30d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 772 | DE163500 | Employer consents to Digestate Dewatering System | 0d | 21d 19-Dec-14 | 04-Sep-15 | 0d | 29-Dec-14A | 25-Nov-15A | 100% | -44d | -44d | -44d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | |
| 773 | DE163500 | Prepare & make Digestate Dewatering Equipment & Performance Submission to IC, ER & Employer | 21d 19-Dec-14 | 04-Sep-15 | 0d | 29-Dec-14A | 25-Nov-15A | 100% | -44d | -44d | -44d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 774 | Composting and Maturation System | | 212d 19-Dec-14 | 04-Sep-15 | 0d | 29-Dec-14A | 25-Nov-15A | 100% | -44d | -44d | -44d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 775 | DE162000 | Prepare & make Composting & Maturation Equipment & Performance Submission to IC, ER & Employer | 16d 19-Dec-14 | 14-Jan-15 | 0d | 29-Dec-14A | 14-Jan-15A | 100% | 0d | 0d | 0d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 776 | DE162000 | IC Checks & comments on Composting & Maturation Equipment | 3d 10-Jan-15 | 28-Jan-15 | 0d | 15-Jan-15A | 27-Jan-15A | 100% | 1d | 1d | 1d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 777 | DE162000 | Employer consents to Composting & Maturation Equipment | 14d 29-Jan-15 | 11-Aug-15 | 0d | 09-Aug-15A | 12-Aug-15A | 100% | -1d | -1d | -1d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 778 | DE162000 | Revised & resubmit Detailed Design of Composting System | 7d 12-Aug-15 | 18-Aug-15 | 0d | 13-Aug-15A | 16-Oct-15A | 100% | -70d | -70d | -70d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 779 | DE162000 | IC Checks & comments on Detailed Design of Composting System | 7d 13-Aug-15 | 13-Feb-15 | 0d | 28-Jan-15A | 03-Feb-15A | 100% | -70d | -70d | -70d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 780 | DE162000 | Employer consents to Composting & Maturation Equipment | 0d | 25-Feb-15 | 0d | 04-Feb-15A | 04-Feb-15A | 100% | -22d | -22d | -22d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 781 | DE162000 | Prepare & make Composting & Maturation Equipment & Performance Submission to IC, ER & Employer | 3d 10-Jan-15 | 28-Jan-15 | 0d | 12-Mar-15A | 06-Aug-15A | 100% | -8d | -8d | -8d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 782 | DE162000 | IC Checks & comments on Composting & Maturation Equipment | 14d 29-Jan-15 | 11-Aug-15 | 0d | 09-Aug-15A | 12-Aug-15A | 100% | -1d | -1d | -1d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 783 | DE162000 | Revised & resubmit Detailed Design of Composting System | 20d 19-Jan-15 | 23-Sep-15 | 0d | 23-Jan-15A | 28-Oct-15A | 100% | -27d | -27d | -27d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 784 | DE162000 | IC Checks & comments on Detailed Design of Composting System | 14d 19-Jan-15 | 13-Feb-15 | 0d | 23-Jan-15A | 13-Feb-15A | 100% | 0d | 0d | 0d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 785 | DE162000 | Employer consents to Composting & Maturation Equipment | 7d 19-Jan-15 | 25-Aug-15 | 0d | 25-Sep-15A | 03-Nov-15A | 100% | -89d | -89d | -89d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 786 | DE162000 | Prepare & make Composting System | 0d | 08-Sep-15 | 0d | 26-Nov-15A | 08-Sep-15 | 100% | -78d | -78d | -78d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 787 | Wastewater Treatment System (WWTS) | | 202d 19-Jan-15 | 23-Sep-15 | 0d | 23-Jan-15A | 28-Oct-15A | 100% | -37d | -37d | -37d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 788 | DE160200 | Prepare & make WWTS Equipment & Performance Submission to IC, ER & Employer | 202d 19-Jan-15 | 23-Sep-15 | 0d | 23-Jan-15A | 28-Oct-15A | 100% | -27d | -27d | -27d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 789 | DE160200 | IC Checks & comments on WWTS Equipment | 20d 19-Jan-15 | 13-Feb-15 | 0d | 23-Jan-15A | 13-Feb-15 | 100% | 0d | 0d | 0d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 790 | DE160200 | Revised & resubmit WWTS Equipment to IC, Employer & ER | 14d 19-Feb-15 | 06-Mar-15 | 0d | 10-Mar-15A | 09-Mar-15A | 100% | -10d | -10d | -10d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 791 | DE160200 | IC Checks & certifies WWTS Equipment | 7d 07-Mar-15 | 13-Mar-15 | 0d | 14-Feb-15A | 06-Mar-15A | 100% | -7d | -7d | -7d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 792 | DE160200 | Revised & resubmit WWTS Equipment to IC, Employer & ER | 7d 07-Mar-15 | 07-Mar-15 | 0d | 14-Feb-15A | 06-Mar-15A | 100% | -4d | -4d | -4d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |
| 793 | DE160200 | IC Checks & certifies WWTS Equipment | 0d | 7d 07-Mar-15 | 0d | 14-Feb-15A | 06-Mar-15A | 100% | -4d | -4d | -4d | Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct | | |

Project v1.4 up. 17-Jun-16
Ref.:WS-OSC-00-O-TM1-0055-A, Date: 28-Jun-2016

Baseine: Contract Programme for The Design and Construction Works
v1.4

Primary Baseline

Activity

Milestone

Critical

Actual Milestone

Baseline Milestone

Activity

Milestone

Critical

Actual Work

Actual Work

Baseline

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

Contract Programme Progress Updated on 17-Jun-16

Organic Waste Treatment Facilities Phase I

OSCAR BIOENERGY JV

| # | Activity ID | Activity Name | BL Project Start Date | BL Project Finish Date | Remaining Duration | Start Date | End Date | Total Work Hours | Work Bl. Project | Work Bl. Project % Complete | Actual % Complete | 2015 | 2016 | | | | | | | | | |
|-----|--|--|-----------------------|------------------------|--------------------|------------|------------|------------------|------------------|-----------------------------|-------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | | | Proj. Start | Proj. Finish | | Start | End | Hours | Bl. Project | Bl. Project % | Actual % | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | |
| 794 | DE19440 | Employer consents to WWT's to IC, ER & Employer | 0d | 27-Mar-15 | 0d | 04-May-15 | 0d | 02-Jun-15A | 100% | -47d | -47d | | | | | | | | | | | |
| 795 | DE19450 | Prepare & submit Detailed Design of WWT's to IC, ER & Employer | 37d 22-Jun-15 | 12-Aug-15 | 0d | 04-May-15 | 27-Jul-15A | 100% | | 12d | 12d | | | | | | | | | | | |
| 796 | DE19530 | IC Checks & comments on Detailed Design of WWT's | 14d 13-Aug-15 | 28-Aug-15 | 0d | 28-Jul-15A | 14-Aug-15A | 100% | | | | | | | | | | | | | | |
| 797 | DE19550 | Revises & resubmit Detailed Design of WWT's to IC, Employer & ER | 7d 27-Aug-15 | 02-Sep-15 | 0d | 15-Aug-15A | 01-Sep-15A | 100% | | 1d | 1d | | | | | | | | | | | |
| 798 | DE19580 | IC Checks & certifies Wastewater Treatment System | 7d 03-Sep-15 | 08-Sep-15 | 0d | 26-Aug-15A | 11-Sep-15A | 100% | | 2d | 2d | | | | | | | | | | | |
| 799 | DE19590 | Employer consents to Wastewater Treatment System | 0d | 23-Sep-15 | 0d | 28-Oct-15A | 100% | | | -35d | -35d | | | | | | | | | | | |
| 800 | Centralized Air Pollution Control (CAPC) System | | 203d 18-Dec-14 | 27-Aug-15 | 0d | 18-Dec-14A | 12-Oct-15A | 100% | | -37d | -37d | | | | | | | | | | | |
| 801 | DE17200 | Prepare & make CAPC Equipment & Performance Submission to IC, ER & Employer | 203d 18-Dec-14 | 27-Aug-15 | 0d | 18-Dec-14A | 14-Dec-15A | 100% | | 0d | 0d | | | | | | | | | | | |
| 802 | DE17200 | IC Checks & comments on CAPC System Equipment | 17d 18-Dec-14 | 14-Jan-15 | 0d | 18-Dec-14A | 14-Jan-15A | 100% | | 1d | 1d | | | | | | | | | | | |
| 804 | DE170250 | Revises & resubmit CAPC System Equipment to IC, Employer & ER | 14d 15-Jan-15 | 28-Jan-15 | 0d | 15-Jan-15A | 27-Jan-15A | 100% | | 1d | 1d | | | | | | | | | | | |
| 805 | DE170300 | IC Checks & certifies CAPC System Equipment | 7d 28-Jan-15 | 04-Feb-15 | 0d | 28-Jan-15A | 03-Feb-15A | 100% | | 1d | 1d | | | | | | | | | | | |
| 806 | DE170500 | Employer consents to CAPC System Equipment | 70d 05-Feb-15 | 25-Feb-15 | 0d | 04-Feb-15A | 25-Feb-15A | 100% | | -14d | -14d | | | | | | | | | | | |
| 807 | DE170400 | Prepare & make CAPC Equipment & Performance Submission to IC, ER & Employer | 0d | 25-Feb-15 | 0d | 11-May-15A | 100% | | | -75d | -75d | | | | | | | | | | | |
| 808 | DE170450 | IC Checks & comments on Detailed Design of CAPC System to IC, ER & Employer | 34d 28-May-15 | 16-Jun-15 | 0d | 12-May-15A | 06-Jun-15A | 100% | | 28d | 28d | | | | | | | | | | | |
| 809 | DE170520 | Revises & resubmits Detailed Design of CAPC System | 14d 17-Jun-15 | 30-Jul-15 | 0d | 06-Jun-15A | 23-Jun-15A | 100% | | 37d | 37d | | | | | | | | | | | |
| 810 | DE170550 | Revises & resubmits Detailed Design of CAPC System to IC, Employer & ER | 7d 31-Jul-15 | 08-Aug-15 | 0d | 24-Jun-15A | 02-Jul-15A | 100% | | 35d | 35d | | | | | | | | | | | |
| 811 | DE170600 | IC Checks & certifies CAPC System | 7d 07-Aug-15 | 13-Aug-15 | 0d | 03-Jul-15A | 31-Jul-15A | 100% | | 13d | 13d | | | | | | | | | | | |
| 812 | DE170650 | Employer consents to CAPC System | 0d | 27-Aug-15 | 0d | 12-Oct-15A | 100% | | | -46d | -46d | | | | | | | | | | | |
| 813 | Electrical System and Accessories, Switchgear, C/P, Cable, Earthing, etc. | | 181d 09-Mar-15 | 16-Oct-15 | 84d | 09-Mar-15A | 71d | 26-Sep-16 | 311d | 260d | 260d | | | | | | | | | | | |
| 814 | High Voltage (HV) | | 0d | 0d | 0d | 71d | 09-Sep-16 | 32d | 32d | 32d | 32d | | | | | | | | | | | |
| 815 | DE00750 | Prepare & make HV Electrical Equipment & Performance Submission to IC, ER & Employer | 0d | 0d | 0d | 0d | 29-Feb-16A | 100% | | | | | | | | | | | | | | |
| 817 | DE00750 | IC Checks & comments on HV Electrical System Equipment | 0d | 0d | 0d | 29-Feb-16A | 100% | | | | | | | | | | | | | | | |
| 818 | DE00890 | Revises & resubmits HV Electrical System Equipment to IC, Employer & ER | 0d | 0d | 0d | 24-Mar-16A | 03-May-16A | 100% | | 17d | 17d | | | | | | | | | | | |
| 819 | DE00860 | IC Checks & certifies HV Electrical System Equipment | 0d | 0d | 0d | 04-May-16A | 04-Jul-16 | 0% | | 463d | 463d | | | | | | | | | | | |
| 820 | DE00890 | Employer consents to HV Electrical System Equipment | 0d | 0d | 0d | 0d | 18-Jul-16 | 0% | | | 463d | 463d | | | | | | | | | | |
| 821 | DE00960 | Prepare & submit Detailed Design of HV Electrical System to IC, ER & Employer | 0d | 29d | 18-May-16A | 28-Jul-16 | 0% | | -104d | | | | | | | | | | | | | |
| 822 | DE01100 | IC Checks & comments on Detailed Design of HV Electrical System | 0d | 14d | 30-Jul-16 | 12-Aug-16 | 0% | | -153d | | | | | | | | | | | | | |
| 823 | DE02080 | Revises & resubmits Detailed Design of HV Electrical System to IC, Employer & ER | 0d | 7d | 13-Aug-16 | 19-Aug-16 | 0% | | -153d | | | | | | | | | | | | | |
| 824 | DE01200 | IC Checks & certifies HV Electrical System | 0d | 7d | 20-Aug-16 | 26-Aug-16 | 0% | | -153d | | | | | | | | | | | | | |
| 825 | DE02080 | Employer consents to HV Electrical System | 0d | 0d | 0d | 09-Sep-16 | 100% | | | -153d | | | | | | | | | | | | |
| 826 | Low Voltage (LV) and Emergency Generator | | 181d 09-Mar-15 | 16-Oct-15 | 84d | 09-Mar-15A | 28-Sep-16 | 311d | 280d | 280d | 280d | | | | | | | | | | | |
| 827 | DE02020 | Prepare & make Elect. Equipment & Performance Submission to IC, ER & Employer | 19d 09-Mar-15 | 02-Apr-15 | 42d | 09-Mar-15A | 15-Jul-16 | 65% | 310d | 31d | 31d | | | | | | | | | | | |
| 828 | DE02020 | IC Checks & comments on Electrical System Equipment | 14d 03-Apr-15 | 16-Apr-15 | 42d | 01-Apr-15A | 29-Jul-16 | 65% | 442d | 442d | 442d | | | | | | | | | | | |
| 829 | DE02090 | Revises & resubmits Electrical System Equipment to IC, Employer & ER | 7d 17-Apr-15 | 23-Apr-15 | 48d | 16-Apr-15A | 05-Aug-16 | 58% | 435d | 435d | 435d | | | | | | | | | | | |
| 830 | DE02090 | IC Checks & certifies Electrical System Equipment | 7d 24-Apr-15 | 30-Apr-15 | 56d | 22-Apr-15A | 12-Aug-16 | 58% | 414d | 414d | 414d | | | | | | | | | | | |
| 831 | DE02040 | Employer consents to Electrical System Equipment | 0d | 14-Aug-15 | 0d | 15-Aug-15A | 15-Aug-16 | 0% | | -44d | -44d | | | | | | | | | | | |
| 832 | DE02040 | Prepare & submit Detailed Design of Electrical System to IC, ER & Employer | 37d 02-Jul-15 | 21-Aug-15 | 40d | 02-May-15A | 15-Aug-16 | 30% | | -242d | -242d | | | | | | | | | | | |
| 833 | DE02050 | IC Checks & comments on Detailed Design of Electrical System | 14d 22-Aug-15 | 04-Sep-15 | 73d | 13-May-15A | 29-Aug-16 | 20% | | -360d | -360d | | | | | | | | | | | |
| 834 | DE02050 | Revises & resubmits Detailed Design of Electrical System to IC, Employer & ER | 7d 05-Sep-15 | 11-Sep-15 | 80d | 10-Jul-15A | 05-Sep-16 | 10% | | -404d | -404d | | | | | | | | | | | |
| 835 | DE02060 | IC Checks & certifies Electrical System | 7d 12-Sep-15 | 18-Sep-15 | 87d | 15-Jul-15A | 12-Sep-16 | 10% | | -170d | -170d | | | | | | | | | | | |
| 836 | DE02060 | Employer consents to Electrical System | 0d | 26-Sep-16 | 0d | 26-Sep-16 | 0% | | | -346d | -346d | | | | | | | | | | | |
| 837 | DE02060 | Extra Low Voltage (ELV) | 38d 11-Aug-15 | 23-Sep-15 | 34d | 14-Aug-15A | 28-Jul-16 | 0% | | -10d | -10d | | | | | | | | | | | |
| 838 | DS1410240 | Prepare & make Detailed Design of ELV System to IC, ER & Employer | 38d 11-Aug-15 | 23-Sep-15 | 34d | 14-Aug-15A | 28-Jul-16 | 0% | | -248d | -248d | | | | | | | | | | | |
| 839 | DS1410240 | IC Checks & comments on ELV System | 32d 11-Aug-15 | 23-Sep-15 | 0d | 14-Aug-15A | 10-May-16A | 100% | | -152d | -152d | | | | | | | | | | | |
| 840 | DS140900 | Revises & resubmits ELV System | 0d | 0d | 0d | 11-Jul-16 | 07-Jul-16 | 0% | | -11d | -11d | | | | | | | | | | | |
| 841 | DS140900 | IC Checks & certifies ELV System | 0d | 7d | 08-Jul-16 | 14-Jul-16 | 0% | | -11d | | | | | | | | | | | | | |
| 842 | DS140900 | Employer consents to ELV System | 0d | 13d | 11-Jul-16 | 07-Jul-16 | 0% | | | | | | | | | | | | | | | |
| 843 | DS140900 | Instrumentation, Control and Monitoring System (SCADA/PLC) | 166d 30-Mar-15 | 20-Oct-15 | 86d | 20-Mar-15A | 30-Sep-16 | 100% | | -77d | -77d | | | | | | | | | | | |
| 844 | DS140900 | Prepare & make SCADA/PLC Equipment & Performance Submission to IC, ER & Employer | 166d 30-Mar-15 | 20-Oct-15 | 86d | 20-Mar-15A | 30-Sep-16 | 100% | | -28d | -28d | | | | | | | | | | | |
| 845 | DS140900 | IC Checks & comments on SCADA/PLC Equipment | 14d 25-Apr-15 | 06-May-15 | 0d | 23-Apr-15A | 08-May-15A | 100% | | 0d | 0d | | | | | | | | | | | |
| 846 | DS140900 | Prepares & makes SCADA/PLC Equipment & Performance Submission to IC, ER & Employer | 14d 25-Apr-15 | 06-May-15 | 0d | 23-Apr-15A | 08-May-15A | 100% | | 0d | 0d | | | | | | | | | | | |
| 847 | DS140900 | IC Checks & comments on SCADA/PLC Equipment | 17d 30-Mar-15 | 24-Apr-15 | 17d | 20-Mar-15A | 30-Sep-16 | 100% | | -28d | -28d | | | | | | | | | | | |
| 848 | DS140900 | Prepare & make SCADA/PLC Equipment & Performance Submission to IC, ER & Employer | 17d 30-Mar-15 | 24-Apr-15 | 17d | 20-Mar-15A | 30-Sep-16 | 100% | | -28d | -28d | | | | | | | | | | | |
| 849 | DS140900 | IC Checks & comments on SCADA/PLC Equipment | 14d 25-Apr-15 | 06-May-15 | 0d | 23-Apr-15A | 08-May-15A | 100% | | 0d | 0d | | | | | | | | | | | |

Project v1.4 up 17Jun16

Ref.:WS-OSC-00-TM1-0055-A, Date: 28-Jun-2016

IC Checks & comments on SCADA/PLC Equipment

Employer consents to Electrical System

Employee consents to Electrical System

Revises & resubmits Detailed Design of ELV System

IC Checks & certifies ELV System

Employee consents to ELV System

Prepares & makes ELV System

IC Checks & comments on ELV System

Employee consents to ELV System

Revises & resubmits Detailed Design of HV Electrical System

IC Checks & certifies HV Electrical System

Employee consents to HV Electrical System

Prepares & makes HV Electrical System

IC Checks & comments on HV Electrical System

Employee consents to HV Electrical System

Revises & resubmits Detailed Design of HV Electrical System

IC Checks & certifies HV Electrical System

Employee consents to HV Electrical System

Prepares & makes HV Electrical System

IC Checks & comments on HV Electrical System

Employee consents to HV Electrical System

Revises & resubmits Detailed Design of LV Electrical System

IC Checks & certifies LV Electrical System

Employee consents to LV Electrical System

Prepares & makes LV Electrical System

IC Checks & comments on LV Electrical System

Employee consents to LV Electrical System

Revises &

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

Organic Waste Treatment Facilities Phase I

| # | Activity Name | BL Project ID | Projected Start Date | Project Finish | Remaining Duration | Start Date | Finish Date | Activity % Complete | Total Work | Work Bl. Project | Work Bl. Existing | 2015 | 2016 | | | | | | | | | | | | |
|-----|---|--|----------------------|----------------|--------------------|------------|-------------|---------------------|------------|------------------|-------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|
| | | | | | | | | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | | | | |
| 905 | Prepare & make Bdg #2 BS Detailed Design - Electrical System to IC, ER & Employer | DS130200 | 80d 16-Mar-15 | 24-Jun-15 | 40d | 02-Apr-15A | 04-Aug-16 | 30% | 36d | -331d | -39d | | | | | | | | | | | | | | |
| 906 | Prepare & make Bdg #2 BS Detailed Design - FS Systems to IC, FR & Employer | DS130210 | 80d 16-Mar-15 | 24-Jun-15 | 40d | 02-Apr-15A | 04-Aug-16 | 100% | 36d | -331d | -39d | | | | | | | | | | | | | | |
| 907 | Prepare & make Bdg #2 BS Detailed Design - FS Systems to IC, FR & Employer | DS130220 | 28d 16-Mar-15 | 27-Apr-15 | 0d | 02-Apr-15A | 25-Jun-15A | 100% | -38d | | | | | | | | | | | | | | | | |
| 909 | Prepare & make Bdg #2 BS Detailed Design - P/D System to IC, ER & Employer | DS130230 | 28d 16-Mar-15 | 27-Apr-15 | 0d | 02-Apr-15A | 22-Jun-15A | 100% | -38d | | | | | | | | | | | | | | | | |
| 910 | Prepare & make Bdg #2 BS Detailed Design - HVAC System to IC, ER & Employer | DS130250 | 28d 16-Mar-15 | 27-Apr-15 | 0d | 02-Apr-15A | 22-Jun-15A | 100% | -38d | | | | | | | | | | | | | | | | |
| 911 | IC Checks & comments on Bdg #2 Building Services | DS130300 | 14d 28-Apr-15 | 11-May-15 | 0d | 24-Jun-15A | 06-Jun-15A | 100% | -56d | | | | | | | | | | | | | | | | |
| 912 | Revise & resubmit Bdg #2 BS Detailed Design to IC, Employer & ER | DS130300 | 7d 12-May-15 | 18-May-15 | 0d | 07-Jul-15A | 14-Jul-15A | 100% | -57d | | | | | | | | | | | | | | | | |
| 913 | IC Checks & certifies Bdg #2 Building Services | DS130360 | 7d 19-May-15 | 25-May-15 | 3d | 15-Jul-15A | 21-Jul-16 | 60% | -117d | -423d | | | | | | | | | | | | | | | |
| 914 | Employer consents to Bdg #2 Building Services | DS130400 | 0d | 24-Jun-15 | 0d | 04-Aug-16 | 0% | -117d | -407d | | | | | | | | | | | | | | | | |
| 915 | Auxiliary Building & Facilities #3 | DS140200 | 71d 11-Aug-15 | 04-Nov-15 | 40d | 01-Dec-15A | 04-Aug-16 | 356d | -221d | | | | | | | | | | | | | | | | |
| 916 | Prepare & make Bdg #3 & Aux. Facilities BS Detailed Design - Electrical System to IC, ER & Employer | DS140210 | 32d 11-Aug-15 | 04-Nov-15 | 40d | 01-Dec-15A | 04-Aug-16 | 356d | -221d | | | | | | | | | | | | | | | | |
| 917 | Prepare & make Bdg #3 Aux. Facilities BS Detailed Design - FS System to IC, ER & Employer | DS140220 | 32d 11-Aug-15 | 04-Nov-15 | 40d | 01-Dec-15A | 04-Aug-16 | 356d | -221d | | | | | | | | | | | | | | | | |
| 918 | Prepare & make Bdg #3 Aux. Facilities BS Detailed Design - P/D System to IC, ER & Employer | DS140230 | 32d 11-Aug-15 | 04-Nov-15 | 40d | 01-Dec-15A | 04-Aug-16 | 356d | -221d | | | | | | | | | | | | | | | | |
| 919 | Prepare & make Bdg #3 Aux. Facilities BS Detailed Design - HVAC System to IC, ER & Employer | DS140250 | 32d 11-Aug-15 | 04-Nov-15 | 40d | 01-Dec-15A | 04-Aug-16 | 356d | -221d | | | | | | | | | | | | | | | | |
| 920 | Prepare & make Bdg #3 Aux. Facilities BS Detailed Design - P/D System to IC, ER & Employer | DS140260 | 32d 11-Aug-15 | 04-Nov-15 | 40d | 01-Dec-15A | 04-Aug-16 | 356d | -221d | | | | | | | | | | | | | | | | |
| 921 | Employee consents to Bdg #3 Aux. Facilities Building Services | DS140300 | 7d 11-Aug-15 | 18-Aug-15 | 0d | 18-Jan-16A | 17-Mar-16A | 100% | -184d | | | | | | | | | | | | | | | | |
| 922 | IC Checks & comments on Bdg #3 Aux. Facilities Building Services | DS140300 | 14d 24-Sep-15 | 07-Oct-15 | 0d | 06-Feb-16A | 28-Apr-16A | 100% | -204d | | | | | | | | | | | | | | | | |
| 923 | Revise & resubmit Bdg #3 & Aux. Facilities Detailed Design to IC, Employer & ER | DS140300 | 7d 08-Oct-15 | 14-Oct-15 | 27d | 17-Mar-16A | 14-Jul-16 | 0% | -274d | | | | | | | | | | | | | | | | |
| 924 | IC Checks & certifies Bdg #3 & Aux. Facilities Building Services | DS140360 | 7d 15-Oct-15 | 21-Oct-15 | 3d | 25-Apr-16A | 21-Jul-16 | 0% | -274d | | | | | | | | | | | | | | | | |
| 925 | Employer consents to Bdg #3 & Aux. Facilities Building Services | DS140400 | 0d | 04-Nov-15 | 0d | 04-Aug-16 | 0% | -177d | -274d | | | | | | | | | | | | | | | | |
| 926 | STATUTORY AND UTILITIES DESIGN SUBMISSION | DS140400 | 411d 30-Jan-15 | 15-Mar-16 | 141d | 12-Feb-15A | 11-Nov-16 | 337d | -261d | | | | | | | | | | | | | | | | |
| 927 | | DS140400 | 411d 30-Jan-15 | 15-Mar-16 | 141d | 12-Feb-15A | 11-Nov-16 | 337d | -241d | | | | | | | | | | | | | | | | |
| 928 | | DS140400 | 411d 30-Jan-15 | 15-Mar-16 | 141d | 12-Feb-15A | 11-Nov-16 | 337d | -241d | | | | | | | | | | | | | | | | |
| 929 | EPD, LandID, PARD & AcRSID - Approval for Landscape & Bdg #2 Green Roof Design | SU110200 | 28d 19-Mar-15 | 16-Oct-15 | 28d | 19-Mar-15 | 16-Oct-15 | 100% | -301d | | | | | | | | | | | | | | | | |
| 930 | AcRSID - Comment on Architectural Design | SU110210 | 28d 04-Jun-15 | 01-Jul-15 | 0d | 21-Jun-15A | 02-Sep-15A | 100% | -43d | | | | | | | | | | | | | | | | |
| 931 | SU110220 | ArchSD - Comment on Stage 2 Architectural Design | 0d | | | | | | | | | | | | | | | | | | | | | | |
| 932 | GEO - Comment on Geotechnical Interpretative Report | SU110250 | 28d 28-Mar-15 | 24-Apr-15 | 0d | 28-Mar-15A | 20-Apr-15A | 100% | -4d | | | | | | | | | | | | | | | | |
| 933 | GEO - Approval for NTH Study Report | SU110260 | 28d 09-Oct-15 | 04-Jan-16 | 0d | 20-Jun-15A | 22-Feb-16A | 100% | -109d | | | | | | | | | | | | | | | | |
| 934 | GEO - Approval for NTH Mitigation Design | SU110270 | 28d 08-Dec-15 | 04-Jan-16 | 0d | 04-Jun-16A | 12-Aug-16 | 0% | 154d | -310d | | | | | | | | | | | | | | | |
| 935 | GE0 - Approval of NTH Mitigation Design | SU110280 | 28d 20-Jun-15 | 17-Jul-15 | 5d | 15-Aug-16A | 15-Aug-16 | 100% | -213d | | | | | | | | | | | | | | | | |
| 936 | EPD - Sewage Discharge License Approval | SU110300 | 28d 06-Mar-15 | 02-Apr-15 | 0d | 12-Feb-15A | 01-Jul-16 | 0% | -273d | | | | | | | | | | | | | | | | |
| 937 | SU110330 | CLP - Consent of Scheme for Provision of Electricity to CLP Connection | 28d 22-Aug-15 | 18-Sep-15 | 0d | 16-Sep-15A | 08-Dec-15A | 100% | -49d | | | | | | | | | | | | | | | | |
| 938 | SU110360 | CLP - Approval of Transformer Room Layout, Cable Arrangement and Grid Connection | 28d 19-Sep-15 | 16-Oct-15 | 17d | 30-Nov-15A | 04-Jul-16 | 50% | -86d | -282d | | | | | | | | | | | | | | | |
| 939 | SU110380 | CLP - Approval of Submission Package on Grid Arrangement | 28d 20-Jun-15 | 17-Jul-15 | 21d | 02-Dec-15A | 08-Jul-16 | 70% | -463d | -367d | | | | | | | | | | | | | | | |
| 940 | SU110400 | DSD - Approval for Stormwater and Sewerage Connection | 28d 28-May-15 | 24-Jun-15 | 17d | 26-Feb-16A | 04-Jul-16 | 35% | -86d | -376d | | | | | | | | | | | | | | | |
| 941 | SU110450 | WSD - Approval for Water Supply & Plumbing | 28d 12-Aug-15 | 08-Sep-15 | 2d | 22-Aug-15A | 01-Nov-16 | 100% | -262d | | | | | | | | | | | | | | | | |
| 942 | SU110500 | FSD - Approval for Fire Safety, Dangerous Goods Application and Fire Services Installations | 0d | | | 13d | 12-Jan-16A | 30-Jun-16 | 0% | -315d | -471d | | | | | | | | | | | | | | |
| 943 | EMSD - Approval for Bdg Holder | SU110520 | 28d 04-Aug-15 | 31-Aug-15 | 2d | 01-Aug-16 | 28-Aug-16 | 0% | -37d | -363d | | | | | | | | | | | | | | | |
| 944 | EMSD - Approval for LID Design | SU110560 | 28d 25-Sep-15 | 22-Oct-15 | 0d | 18-Mar-16A | 10-Jun-16A | 100% | -232d | | | | | | | | | | | | | | | | |
| 945 | SU110600 | TD & HyD - Approval for Access Road & Entrance (Portion 2) Design | 90d 17-Dec-15 | 15-Mar-16 | 17d | 05-May-16A | 04-Jul-16 | 81.11% | -95d | -111d | | | | | | | | | | | | | | | |
| 946 | Liaison with HKTF, D/HyD for Access Road & Entrance (Portion 2) works | SU110620 | 90d 17-Dec-15 | 09-Apr-15 | 0d | 18-Mar-15A | 07-Oct-15A | 100% | -181d | -262d | | | | | | | | | | | | | | | |
| 947 | SU110650 | Lands & EPD - Approval of tree preservation, transplanting and felling proposals (Excl. Natural Terrain) | 70d 30-Jan-15 | 07-Oct-15 | 70d | 03-Sep-16 | 11-Nov-16 | 0% | -5d | -384d | | | | | | | | | | | | | | | |
| 948 | SU110680 | Lands & EPD - Approval of tree preservation, transplanting and felling proposals (Natural Terrain, if any) | 0d | | | 78d | 14-Dec-15A | 20-Sep-16 | 90% | -316d | | | | | | | | | | | | | | | |
| 949 | BILL OF MATERIALS AND ISOMETRIC PRODUCTION SCHEDULES | SU110700 | 91d 02-Nov-15A | 05-Oct-16 | 91d | 02-Nov-15A | 05-Oct-16 | 100% | -304d | | | | | | | | | | | | | | | | |
| 950 | General | SU110700 | 91d 02-Nov-15A | 05-Oct-16 | 91d | 02-Nov-15A | 05-Oct-16 | 100% | -304d | | | | | | | | | | | | | | | | |
| 951 | BM100110 | Prepare Pipe Specification | 0d | | | 79d | 14-Dec-15A | 20-Sep-16 | 90% | -316d | | | | | | | | | | | | | | | |
| 952 | BM100120 | Support Pipe Class Definition in PDMS | 0d | | | 91d | 18-Nov-15A | 20-Nov-15A | 100% | -304d | | | | | | | | | | | | | | | |
| 953 | BM100130 | CV 3D Model Converted from ARUP's Drawing | 0d | | | 91d | 23-Nov-15A | 27-Nov-15A | 100% | -304d | | | | | | | | | | | | | | | |
| 954 | BM100140 | 3D Model Split as Needed in PDMS | 0d | | | 91d | 02-Nov-15A | 05-Oct-16 | 100% | -304d | | | | | | | | | | | | | | | |
| 955 | BM100150 | 3D Model Recalibration in PDMS | 0d | | | 91d | 30-Nov-15A | 04-Dec-15A | 100% | -304d | | | | | | | | | | | | | | | |
| 956 | BM100160 | U/G Pump Work | 0d | | | 91d | 25-Jan-16A | 19-Feb-16A | 100% | -43d | | | | | | | | | | | | | | | |
| 957 | BM100170 | DE Support and Drawing Checking | 0d | | | 91d | 16-Nov-15A | 05-Oct-16 | 13.33% | -63d | | | | | | | | | | | | | | | |
| 958 | BM100180 | 3D Model Build | 0d | | | 66d | 07-Dec-15A | 02-Sep-16 | 100% | -330d | | | | | | | | | | | | | | | |

Environmental Protection Department
of the HKSAR

Contract Programme Progress Updated on 17-Jun-16

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

| Project v1.4 up_17Jun16 | | Baseline: Contract Programme for The Design and Construction Works | |
|--|--|--|-----------------------------|
| # | Activity ID | Activity Name | Actual Milestone |
| 1017 | PR110304 | Lobe Pump | BL Project Start |
| 1018 | PR110395 | Int Suspension Buffer Tank Jet Mixer | BL Project Finish |
| 1019 | PR110400 | Vertical Mixer | 9d |
| 1020 | PR110420 | Ball Conveyor | 0d |
| 1021 | PR110440 | Platform (Pre-treatment) | 0d |
| 1022 | PR110460 | Control Panels (Pre-treatment) | 0d |
| 1023 | Aerobic Digestion (AD) Treatment System | | |
| 1024 | PR11025 | General | 21-3d 20-Apr-15 - 25-Feb-16 |
| 1025 | PR110220 | Suspension Buffer Tank | 96d 15-Apr-15 |
| 1026 | PR120100 | Issue orders & receive shop drawings from AD suppliers | 96d 15-Apr-15 |
| 1027 | PR120110 | Digestate Tanks No 1 & 2 | 0d |
| 1028 | PR120120 | Digestate Tank No 3 | 0d |
| 1029 | PR120140 | Jet Mixing Pumps | 86d 22-Oct-15 - 25-Feb-16 |
| 1030 | PR120150 | Safety Relief Valve | 0d |
| 1031 | PR120160 | Heat Exchangers | 90d 15-Apr-15 |
| 1032 | PR120170 | Hot Water Pumps | 0d |
| 1033 | PR120180 | Digestate Circulation and Feeding Pumps (Lobe Pumps) | 86d 22-Oct-15 - 25-Feb-16 |
| 1034 | PR120190 | Overflow Tank | 0d |
| 1035 | PR120200 | Intermediate Digestate Tanks | 64d 22-Oct-15 - 21-Jan-16 |
| 1036 | PR120210 | Feeding Centrifuge Pumps | 0d |
| 1037 | PR120220 | Monocell (Suspension Buffer Pump Room) | 0d |
| 1038 | Biogas Cleaning, Storage and Distribution System | | |
| 1039 | PR130100 | Biogas Cleaning and Storage System | 30-0d 08-Apr-15 - 30-Jun-16 |
| 1040 | PR130110 | Issue orders & receive shop drawings from Biogas suppliers | 21-0d 08-Apr-15 - 23-Feb-16 |
| 1041 | PR130120 | Desulphurisation System | 17-0d 08-Apr-15 - 30-Apr-15 |
| 1042 | PR130130 | Condensate Pumps | 64d 19-Nov-15 - 23-Feb-16 |
| 1043 | PR130140 | Condensate Pots | 0d |
| 1044 | PR130150 | Biogas Storage Tank | 64d 19-Nov-15 - 23-Feb-16 |
| 1045 | PR130160 | Bogas Distribution System | 3-0d 08-Apr-15 - 30-Jun-16 |
| 1046 | PR130170 | Standby Gas Flaring Unit | 107d 06-Aug-15 - 08-Jan-16 |
| 1047 | PR130180 | Issue orders & receive shop drawings from Biogas suppliers | 5d 04-Jul-16 - 04-Oct-16 |
| 1048 | PR160100 | Combined Heat Recovery and Power (CHP) Generation System | 17-0d 08-Apr-15 - 30-Apr-15 |
| 1049 | PR160120 | Combined Heat Recovery and Power (CHP) Generation System | 22-0d 06-Aug-15 - 30-Jun-16 |
| 1050 | PR160140 | Carbon Filter | 22-0d 06-Aug-15 - 30-Jun-16 |
| 1051 | PR160160 | Boilers | 0d |
| 1052 | PR160180 | Bogas Cooling and Condensate Removal System | 22-0d 06-Aug-15 - 30-Jun-16 |
| 1053 | PR160200 | Carbon Filter | 0d |
| 1054 | Combined Heat Recovery and Power (CHP) Generation System | | |
| 1055 | PR140100 | Issue orders & receive shop drawings from CHP suppliers | 383d 15-Mar-15 - 02-Jul-16 |
| 1056 | PR140120 | Co-Generator and Heat Exchanger | 163d 15-Mar-15 - 30-Mar-15 |
| 1057 | PR140140 | FAT of Co-Generator and Heat Exchanger | 5d 19-Jan-16 - 25-Jan-16 |
| 1058 | PR140160 | H2S Piping / Active carbon | 0d |
| 1059 | PR140180 | Combustion Emissions Monitoring System (CEMS) | 191d 08-May-15 - 12-Feb-16 |
| 1060 | PR140200 | Issue orders & receive shop drawings from CEMS suppliers | 191d 08-May-15 - 12-Feb-16 |
| 1061 | PR140220 | CEMS Equipment | 103d 11-Sep-15 - 12-Feb-16 |
| 1062 | PR140240 | Digestate Dewatering System | 315d 12-Feb-15 - 25-May-16 |
| 1063 | PR140260 | General | 191d 08-May-15 - 12-Feb-16 |
| 1064 | PR140280 | Centrifuge | 18d 12-Feb-15 - 11-Mar-15 |
| 1065 | PR140300 | Centrifuge | 103d 11-Sep-15 - 12-Feb-16 |
| 1066 | PR140320 | Digestate Dewatering System | 315d 12-Feb-15 - 25-May-16 |
| 1067 | PR170100 | Issue orders & receive shop drawings from Digestate Dewatering suppliers | 315d 12-Feb-15 - 25-May-16 |
| 1068 | PR170110 | Centrifuge | 18d 12-Feb-15 - 11-Mar-15 |
| 1069 | PR170120 | Centrifuge | 103d 11-Sep-15 - 12-Feb-16 |
| 1070 | PR170140 | Digestate Dewatering Area | 0d |
| 1071 | PR170160 | Boffler | 41d 05-Feb-16 - 16-Aug-16 |
| 1072 | PR170171 | Boffler | 0d |
| 1073 | PR170172 | Boffler | 266d |
| Project v1.4 up_17Jun16 | | Actual Milestone | Critical |
| Ref.: WS-OSC-00-0-TM-0055-A, Date: 28-Jun-2016 | | Actual Work | Milestone |
| Primary Baseline | | Activity | Milestone |
| Baseline Milestone | | ◆ | ◆ |
| Actual Milestone | | ■ | ■ |
| Page 19 of 39 | | Baseline: Contract Programme for The Design and Construction Works | |
| V1.4 | | print: 28-Jun-16 17:20 © Oracle Corporation | |

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

Environmental Protection Department
of the HKSAR

Contract Programme Progress Updated on 17-Jun-16

Environmental Protection Department
of the HKSAR

Contract Programme Progress Updated on 17-Jun-16

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

Project:v1.4_up_17Jun16
Ref.:WS-OSC-00-0-TM-0055-A, Date: 28-Jun-2016

◆ Critical
Actual Work

Line: Contract Programme for The Design and Construction Works

print: 28-Jun-16 17:20
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Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

Contract Programme Progress Updated on 17-Jun-16

Organic Waste Treatment Facilities Phase I

OSCAR BIOENERGY JV

Activity Name

Project ID

Start Date

End Date

Remaining Duration

Project Status

Project % Complete

Total Work

Work Done

Work Rate

Work Rate %

Work Rate Status

Work Rate Description

Work Rate Notes

Shoring to Internal Filling-out Works to Admin & Visitor Areas

CC102480

01-Nov-16

20-Dec-16

3d

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

Handover Works to E&M

CC100860

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

-53d

-53d

Handover G/F to E&M Works (Zone #1.1 Part A - Building 1 Workshop & E/S Pump Rm)

CC100892

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

-53d

-53d

Handover G/F to E&M Works (Zone #1.1 Part A - Building 1 Workshop & E/S Pump Rm)

CC100700

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

-53d

-53d

Handover G/F to E&M Works (Zone #1.2 Part A - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100830

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

-53d

-53d

Handover G/F to E&M Works (Zone #1.2 Part A - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100840

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

-53d

-53d

Handover G/F to E&M Works (Zone #1.2 Part A - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100850

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

-53d

-53d

Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100860

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

-53d

-53d

Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100870

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

-53d

-53d

Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100880

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

-53d

-53d

Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100890

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

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-53d

Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100900

01-Nov-16

0d

0%

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-23d

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Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100910

01-Nov-16

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Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100920

01-Nov-16

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Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100930

01-Nov-16

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0%

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Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100940

01-Nov-16

0d

0%

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-23d

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-53d

Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100950

01-Nov-16

0d

0%

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Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100960

01-Nov-16

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0%

-23d

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-53d

Handover G/F to E&M Works (Zone #1.2 Part C - Building 1 Admin Bldg Grid H/L-U/10-15)

CC100970

01-Nov-16

0d

0%

-23d

-23d

-53d

-53d

-53d

-53d

-53d

-53d

-53d

Handover G/F to

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

| Project ID: EP/SP/61/10 | Contract No. EP/SP/61/10 | Organic Waste Treatment Facilities Phase 1 | OSCAR BIOENERGY JV | |
|-------------------------|---|---|--|----|
| # | Activity ID | Activity Name | B/E Project ID | |
| 1380 | CC102470 | Green Road Landscape Software's (Zone #1) | BL-Project BL-Project Start Date: 18d 17-Sep-16 | |
| 1381 | CC103100 | Composting Building #2 (Zone #2) | 508d 23-May-15 | |
| 1382 | CC103100 | For Location at Grid 1+G-C | 508d 23-May-15 | |
| 1383 | CC103100 | Excavation by Open Cut | 54d 23-May-15 | |
| 1384 | CC103120 | Tank slabs and walls | 21d 23-May-15 | |
| 1385 | CC103140 | Installation of Ground Beams and Slabs | 15d 18-Jun-15 | |
| 1386 | CC103160 | Underground Drainage Work | 18d 08-Jul-15 | |
| 1387 | CC103180 | For Location at Grid 1+G-C-G | 15d 08-Jul-15 | |
| 1388 | CC103180 | Excavation by Open Cut | 39d 25-Jul-15 | |
| 1389 | CC103200 | Excavation by Open Cut | 21d 25-Jul-15 | |
| 1390 | CC103220 | Insitation of Ground Beams and Slabs | 18d 15-Aug-15 | |
| 1391 | CC103240 | Underground drainage work | 15d 15-Aug-15 | |
| 1392 | CC103240 | General | 4 16d 05-Sep-15 | |
| 1393 | CC103260 | Backfilling works | 28d 05-Sep-15 | |
| 1394 | CC103260 | Walls & Columns G/F - IfF | 58d 31-Oct-15 | |
| 1395 | CC103280 | Superstructure - IfF Stab & Beams | 27d 30-Dec-16 | |
| 1396 | CC103300 | Superstructure - IfF to Roof | 15d 01-Feb-16 | |
| 1397 | CC103305 | Fabricate & deliver Structural Steelwork for Building #2 Covered Walkway | 0d | |
| 1398 | CC103310 | Erect Steelwork for Building #2 Covered Walkway | 0d | |
| 1399 | CC103315 | Fabricate & deliver Structural Steelwork for Building #2 Sheet Roof | 0d | |
| 1400 | CC103318 | Erect Steelwork for Building #2 Sheet Roof | 0d | |
| 1401 | CC103320 | Clearance | 60d 16-Feb-16 | |
| 1402 | CC103340 | Erect Bamboo Working Platform for Internal Finishing Works (4 Amy) | 12d 25-Feb-16 | |
| 1403 | CC103340 | Internal Finishing Works | 39d 10-Mar-16 | |
| 1404 | CC103380 | Erect Bamboo Working Platform for External Finishing Works | 12d 10-Mar-16 | |
| 1405 | CC103400 | External Finishing Works | 43d 24-Mar-16 | |
| 1406 | CC103420 | ABWF Work | 40d 05-Jan-16 | |
| 1407 | CC103440 | Remaining ABWF Work | 71d 24-Feb-16 | |
| 1408 | CC103480 | Green Roof and Painting Preparation Works | 77d 26-Jul-16 | |
| 1409 | CC103500 | Green Roof and Painting Works | 26d 31-Oct-16 | |
| 1410 | CC103520 | Green Road Landscape Software's | 28d 30-Nov-16 | |
| 1411 | CC103600 | Scaffolding in Zone #2 ABWF works | 26d 03-Jan-17 | |
| 1412 | CC103700 | Handover of Works to EM | 0d 22-May-16 | |
| 1413 | CC103740 | Handover of Works (Zone #2.1.1 - Building 2) Leachate Tank Roof | 0d | |
| 1414 | CC103750 | Handover of EM Works (Zone #2.1.2 - Building 2) Process Hall Roof Grid C-D4-5 | 0d | |
| 1415 | CC103760 | Handover of EM Works (Zone #2.1.3 - Building 2) Process Hall Grid C-E | 0d | |
| 1416 | CC103770 | Handover of EM Works (Zone #2.1.4 - Building 2) Process Hall Grid E-G | 0d | |
| 1417 | CC103780 | Handover of EM Works (Zone #2.1.5 - Building 2) MCC Room | 0d | |
| 1418 | CC103790 | Handover of EM Works (Zone #2.1.6 - Building 2) Page Gallery | 0d | |
| 1419 | CC103800 | Handover of EM Works (Zone #2.1.7 - Building 2) Roof | 0d | |
| 1420 | CC103810 | Handover of EM Works (Zone #2.1.8 - Building 2) Composting Tunnel | 0d | |
| 1421 | CC103820 | Handover of EM Works (Zone #2.1.9 - Demolition Area - IfF) | 0d | |
| 1422 | CC103840 | Link Bridge (Zone #2) | Handover of EM Works (Zone #2.1.10 - Building 2 Other Remaining Areas) | 0d |
| 1423 | CC104100 | Fabricate & deliver Structural Steelwork | 0d | |
| 1424 | CC104120 | Insitation of Bearing Support for Link Bridge at Bieg 1 & 2 | 12d 03-Mar-16 | |
| 1425 | CC104140 | Erect Steelwork for Link Bridge | 18d 17-Mar-16 | |
| 1426 | CC104160 | ABWF Works at Link Bridge | 36d 12-Apr-16 | |
| 1427 | CC104180 | Handover of Works to EM | 0d 25-May-16 | |
| 1428 | CC104200 | Handover of EM Works at Link Bridge (Zone #2.2 - Link Bridge) | 0d | |
| 1429 | CC104220 | Auxiliary Buildings & Facilities (Zone #3) | 103d 31-Oct-15 | |
| 1430 | Energy Cellar (Building 3 Zone #3.1) | 448d 13-May-15 | | |
| 1431 | Excavation for Bieg #3.1 & Oxygen Units | 102d 30-Oct-15 | | |
| 1432 | Raft Foundations | 102d 30-Oct-15 | | |
| 1433 | Excavation for Bieg #3.1 & Oxygen Units | 103d 30-Oct-15 | | |
| 1434 | Raft Foundations | 103d 30-Oct-15 | | |
| 1435 | Excavation for Bieg #3.1 & Oxygen Units | 104d 30-Oct-15 | | |
| 1436 | Raft Foundations | 104d 30-Oct-15 | | |
| 1437 | Excavation for Bieg #3.1 & Oxygen Units | 105d 30-Oct-15 | | |
| 1438 | Raft Foundations | 105d 30-Oct-15 | | |
| 1439 | Excavation for Bieg #3.1 & Oxygen Units | 106d 30-Oct-15 | | |
| 1440 | Raft Foundations | 106d 30-Oct-15 | | |
| 1441 | Excavation for Bieg #3.1 & Oxygen Units | 107d 30-Oct-15 | | |
| 1442 | Raft Foundations | 107d 30-Oct-15 | | |
| 1443 | Excavation for Bieg #3.1 & Oxygen Units | 108d 30-Oct-15 | | |
| 1444 | Raft Foundations | 108d 30-Oct-15 | | |
| 1445 | Excavation for Bieg #3.1 & Oxygen Units | 109d 30-Oct-15 | | |
| 1446 | Raft Foundations | 109d 30-Oct-15 | | |
| 1447 | Excavation for Bieg #3.1 & Oxygen Units | 110d 30-Oct-15 | | |
| 1448 | Raft Foundations | 110d 30-Oct-15 | | |
| 1449 | Excavation for Bieg #3.1 & Oxygen Units | 111d 30-Oct-15 | | |
| 1450 | Raft Foundations | 111d 30-Oct-15 | | |
| 1451 | Excavation for Bieg #3.1 & Oxygen Units | 112d 30-Oct-15 | | |
| 1452 | Raft Foundations | 112d 30-Oct-15 | | |
| 1453 | Excavation for Bieg #3.1 & Oxygen Units | 113d 30-Oct-15 | | |
| 1454 | Raft Foundations | 113d 30-Oct-15 | | |
| 1455 | Excavation for Bieg #3.1 & Oxygen Units | 114d 30-Oct-15 | | |
| 1456 | Raft Foundations | 114d 30-Oct-15 | | |
| 1457 | Excavation for Bieg #3.1 & Oxygen Units | 115d 30-Oct-15 | | |
| 1458 | Raft Foundations | 115d 30-Oct-15 | | |
| 1459 | Excavation for Bieg #3.1 & Oxygen Units | 116d 30-Oct-15 | | |
| 1460 | Raft Foundations | 116d 30-Oct-15 | | |
| 1461 | Excavation for Bieg #3.1 & Oxygen Units | 117d 30-Oct-15 | | |
| 1462 | Raft Foundations | 117d 30-Oct-15 | | |
| 1463 | Excavation for Bieg #3.1 & Oxygen Units | 118d 30-Oct-15 | | |
| 1464 | Raft Foundations | 118d 30-Oct-15 | | |
| 1465 | Excavation for Bieg #3.1 & Oxygen Units | 119d 30-Oct-15 | | |
| 1466 | Raft Foundations | 119d 30-Oct-15 | | |
| 1467 | Excavation for Bieg #3.1 & Oxygen Units | 120d 30-Oct-15 | | |
| 1468 | Raft Foundations | 120d 30-Oct-15 | | |
| 1469 | Excavation for Bieg #3.1 & Oxygen Units | 121d 30-Oct-15 | | |
| 1470 | Raft Foundations | 121d 30-Oct-15 | | |
| 1471 | Excavation for Bieg #3.1 & Oxygen Units | 122d 30-Oct-15 | | |
| 1472 | Raft Foundations | 122d 30-Oct-15 | | |
| 1473 | Excavation for Bieg #3.1 & Oxygen Units | 123d 30-Oct-15 | | |
| 1474 | Raft Foundations | 123d 30-Oct-15 | | |
| 1475 | Excavation for Bieg #3.1 & Oxygen Units | 124d 30-Oct-15 | | |
| 1476 | Raft Foundations | 124d 30-Oct-15 | | |
| 1477 | Excavation for Bieg #3.1 & Oxygen Units | 125d 30-Oct-15 | | |
| 1478 | Raft Foundations | 125d 30-Oct-15 | | |
| 1479 | Excavation for Bieg #3.1 & Oxygen Units | 126d 30-Oct-15 | | |
| 1480 | Raft Foundations | 126d 30-Oct-15 | | |
| 1481 | Excavation for Bieg #3.1 & Oxygen Units | 127d 30-Oct-15 | | |
| 1482 | Raft Foundations | 127d 30-Oct-15 | | |
| 1483 | Excavation for Bieg #3.1 & Oxygen Units | 128d 30-Oct-15 | | |
| 1484 | Raft Foundations | 128d 30-Oct-15 | | |
| 1485 | Excavation for Bieg #3.1 & Oxygen Units | 129d 30-Oct-15 | | |
| 1486 | Raft Foundations | 129d 30-Oct-15 | | |
| 1487 | Excavation for Bieg #3.1 & Oxygen Units | 130d 30-Oct-15 | | |
| 1488 | Raft Foundations | 130d 30-Oct-15 | | |
| 1489 | Excavation for Bieg #3.1 & Oxygen Units | 131d 30-Oct-15 | | |
| 1490 | Raft Foundations | 131d 30-Oct-15 | | |
| 1491 | Excavation for Bieg #3.1 & Oxygen Units | 132d 30-Oct-15 | | |
| 1492 | Raft Foundations | 132d 30-Oct-15 | | |
| 1493 | Excavation for Bieg #3.1 & Oxygen Units | 133d 30-Oct-15 | | |
| 1494 | Raft Foundations | 133d 30-Oct-15 | | |
| 1495 | Excavation for Bieg #3.1 & Oxygen Units | 134d 30-Oct-15 | | |
| 1496 | Raft Foundations | 134d 30-Oct-15 | | |
| 1497 | Excavation for Bieg #3.1 & Oxygen Units | 135d 30-Oct-15 | | |
| 1498 | Raft Foundations | 135d 30-Oct-15 | | |
| 1499 | Excavation for Bieg #3.1 & Oxygen Units | 136d 30-Oct-15 | | |
| 1500 | Raft Foundations | 136d 30-Oct-15 | | |
| 1501 | Excavation for Bieg #3.1 & Oxygen Units | 137d 30-Oct-15 | | |
| 1502 | Raft Foundations | 137d 30-Oct-15 | | |
| 1503 | Excavation for Bieg #3.1 & Oxygen Units | 138d 30-Oct-15 | | |
| 1504 | Raft Foundations | 138d 30-Oct-15 | | |
| 1505 | Excavation for Bieg #3.1 & Oxygen Units | 139d 30-Oct-15 | | |
| 1506 | Raft Foundations | 139d 30-Oct-15 | | |
| 1507 | Excavation for Bieg #3.1 & Oxygen Units | 140d 30-Oct-15 | | |
| 1508 | Raft Foundations | 140d 30-Oct-15 | | |
| 1509 | Excavation for Bieg #3.1 & Oxygen Units | 141d 30-Oct-15 | | |
| 1510 | Raft Foundations | 141d 30-Oct-15 | | |
| 1511 | Excavation for Bieg #3.1 & Oxygen Units | 142d 30-Oct-15 | | |
| 1512 | Raft Foundations | 142d 30-Oct-15 | | |
| 1513 | Excavation for Bieg #3.1 & Oxygen Units | 143d 30-Oct-15 | | |
| 1514 | Raft Foundations | 143d 30-Oct-15 | | |
| 1515 | Excavation for Bieg #3.1 & Oxygen Units | 144d 30-Oct-15 | | |
| 1516 | Raft Foundations | 144d 30-Oct-15 | | |
| 1517 | Excavation for Bieg #3.1 & Oxygen Units | 145d 30-Oct-15 | | |
| 1518 | Raft Foundations | 145d 30-Oct-15 | | |
| 1519 | Excavation for Bieg #3.1 & Oxygen Units | 146d 30-Oct-15 | | |
| 1520 | Raft Foundations | 146d 30-Oct-15 | | |
| 1521 | Excavation for Bieg #3.1 & Oxygen Units | 147d 30-Oct-15 | | |
| 1522 | Raft Foundations | 147d 30-Oct-15 | | |
| 1523 | Excavation for Bieg #3.1 & Oxygen Units | 148d 30-Oct-15 | | |
| 1524 | Raft Foundations | 148d 30-Oct-15 | | |
| 1525 | Excavation for Bieg #3.1 & Oxygen Units | 149d 30-Oct-15 | | |
| 1526 | Raft Foundations | 149d 30-Oct-15 | | |
| 1527 | Excavation for Bieg #3.1 & Oxygen Units | 150d 30-Oct-15 | | |
| 1528 | Raft Foundations | 150d 30-Oct-15 | | |
| 1529 | Excavation for Bieg #3.1 & Oxygen Units | 151d 30-Oct-15 | | |
| 1530 | Raft Foundations | 151d 30-Oct-15 | | |
| 1531 | Excavation for Bieg #3.1 & Oxygen Units | 152d 30-Oct-15 | | |
| 1532 | Raft Foundations | 152d 30-Oct-15 | | |
| 1533 | Excavation for Bieg #3.1 & Oxygen Units | 153d 30-Oct-15 | | |
| 1534 | Raft Foundations | 153d 30-Oct-15 | | |
| 1535 | Excavation for Bieg #3.1 & Oxygen Units | 154d 30-Oct-15 | | |
| 1536 | Raft Foundations | 154d 30-Oct-15 | | |
| 1537 | Excavation for Bieg #3.1 & Oxygen Units | 155d 30-Oct-15 | | |
| 1538 | Raft Foundations | 155d 30-Oct-15 | | |
| 1539 | Excavation for Bieg #3.1 & Oxygen Units | 156d 30-Oct-15 | | |
| 1540 | Raft Foundations | 156d 30-Oct-15 | | |
| 1541 | Excavation for Bieg #3.1 & Oxygen Units | 157d 30-Oct-15 | | |
| 1542 | Raft Foundations | 157d 30-Oct-15 | | |
| 1543 | Excavation for Bieg #3.1 & Oxygen Units | 158d 30-Oct-15 | | |
| 1544 | Raft Foundations | 158d 30-Oct-15 | | |
| 1545 | Excavation for Bieg #3.1 & Oxygen Units | 159d 30-Oct-15 | | |
| 1546 | Raft Foundations | 159d 30-Oct-15 | | |
| 1547 | Excavation for Bieg #3.1 & Oxygen Units | 160d 30-Oct-15 | | |
| 1548 | Raft Foundations | 160d 30-Oct-15 | | |
| 1549 | Excavation for Bieg #3.1 & Oxygen Units | 161d 30-Oct-15 | | |
| 1550 | Raft Foundations | 161d 30-Oct-15 | | |
| 1551 | Excavation for Bieg #3.1 & Oxygen Units | 162d 30-Oct-15 | | |
| 1552 | Raft Foundations | 162d 30-Oct-15 | | |
| 1553 | Excavation for Bieg #3.1 & Oxygen Units | 163d 30-Oct-15 | | |
| 1554 | Raft Foundations | 163d 30-Oct-15 | | |
| 1555 | Excavation for Bieg #3.1 & Oxygen Units | 164d 30-Oct-15 | | |
| 1556 | Raft Foundations | 164d 30-Oct-15 | | |
| 1557 | Excavation for Bieg #3.1 & Oxygen Units | 165d 30-Oct-15 | | |
| 1558 | Raft Foundations | 165d 30-Oct-15 | | |
| 1559 | Excavation for Bieg #3.1 & Oxygen Units | 166d 30-Oct-15 | | |
| 1560 | Raft Foundations | 166d 30-Oct-15 | | |
| 1561 | Excavation for Bieg #3.1 & Oxygen Units | 167d 30-Oct-15 | | |
| 1562 | Raft Foundations | 167d 30-Oct-15 | | |
| 1563 | Excavation for Bieg #3.1 & Oxygen Units | 168d 30-Oct-15 | | |
| 1564 | Raft Foundations | 168d 30-Oct-15 | | |
| 1565 | Excavation for Bieg #3.1 & Oxygen Units | 169d 30-Oct-15 | | |
| 1566 | Raft Foundations | 169d 30-Oct-15 | | |
| 1567 | Excavation for Bieg #3.1 & Oxygen Units | 170d 30-Oct-15 | | |
| 1568 | Raft Foundations | 170d 30-Oct-15 | | |
| 1569 | Excavation for Bieg #3.1 & Oxygen Units | 171d 30-Oct-15 | | |
| 1570 | Raft Foundations | 171d 30-Oct-15 | | |
| 1571 | Excavation for Bieg #3.1 & Oxygen Units | 172d 30-Oct-15 | | |
| 1572 | Raft Foundations | 172d 30-Oct-15 | | |
| 1573 | Excavation for Bieg #3.1 & Oxygen Units | 173d 30-Oct-15 | | |
| 1574 | Raft Foundations | 173d 30-Oct-15 | | |
| 1575 | Excavation for Bieg #3.1 & Oxygen Units | 174d 30-Oct-15 | | |
| 1576 | Raft Foundations | 174d 30-Oct-15 | | |
| 1577 | Excavation for Bieg #3.1 & Oxygen Units | 175d 30-Oct-15 | | |
| 1578 | Raft Foundations | 175d 30-Oct-15 | | |
| 1579 | Excavation for Bieg #3.1 & Oxygen Units | 176d 30-Oct-15 | | |
| 1580 | Raft Foundations | 176d 30-Oct-15 | | |
| 1581 | Excavation for Bieg #3.1 & Oxygen Units | 177d 30-Oct-15 | | |
| 1582 | Raft Foundations | 177d 30-Oct-15 | | |
| 1583 | Excavation for Bieg #3.1 & Oxygen Units | 178d 30-Oct-15 | | |
| 1584 | Raft Foundations | 178d 30-Oct-15 | | |
| 1585 | Excavation for Bieg #3.1 & Oxygen Units | 179d 30-Oct-15 | | |
| 1586 | Raft Foundations | 179d 30-Oct-15 | | |
| 1587 | Excavation for Bieg #3.1 & Oxygen Units | 180d 30-Oct-15 | | |
| 1588 | Raft Foundations | 180d 30-Oct-15 | | |
| 1589 | Excavation for Bieg #3.1 & Oxygen Units | 181d 30-Oct-15 | | |
| 1590 | Raft Foundations | 181d 30-Oct-15 | | |
| 1591 | Excavation for Bieg #3.1 & Oxygen Units | 182d 30-Oct-15 | | |
| 1592 | Raft Foundations | 182d 30-Oct-15 | | |
| 1593 | Excavation for Bieg #3.1 & Oxygen Units | 183d 30-Oct-15 | | |
| 1594 | Raft Foundations | 183d 30-Oct-15 | | |
| 1595 | Excavation for Bieg #3.1 & Oxygen Units | 184d 30-Oct-15 | | |
| 1596 | Raft Foundations | 184d 30-Oct-15 | | |
| 1597 | Excavation for Bieg #3.1 & Oxygen Units | 185d 30-Oct-15 | | |
| 1598 | Raft Foundations | 185d 30-Oct-15 | | |
| 1599 | Excavation for Bieg #3.1 & Oxygen Units | 186d 30-Oct-15 | | |
| 1600 | Raft Foundations | 186d 30-Oct-15 | | |
| 1601 | Excavation for Bieg #3.1 & Oxygen Units | 187d 30-Oct-15 | | |
| 1602 | Raft Foundations | 187d 30-Oct-15 | | |
| 1603 | Excavation for Bieg #3.1 & Oxygen Units | 188d 30-Oct-15 | | |
| 1604 | Raft Foundations | 188d 30-Oct-15 | | |
| 1605 | Excavation for Bieg #3.1 & Oxygen Units | 189d 30-Oct-15 | | |
| 1606 | Raft Foundations | 189d 30-Oct-15 | | |
| 1607 | Excavation for Bieg #3.1 & Oxygen Units | 190d 30-Oct-15 | | |
| 1608 | Raft Foundations | 190d 30-Oct-15 | | |
| 1609 | Excavation for Bieg #3.1 & Oxygen Units | 191d 30-Oct-15 | | |
| 1610 | Raft Foundations | 191d 30-Oct-15 | | |
| 1611 | Excavation for Bieg #3.1 & Oxygen Units | 192d 30-Oct-15 | | |
| 1612 | Raft Foundations | 192d 30-Oct-15 | | |
| 1613 | Excavation for Bieg #3.1 & Oxygen Units | 193d 30-Oct-15 | | |
| 1614 | Raft Foundations | 193d 30-Oct-15 | | |
| 1615 | Excavation for Bieg #3.1 & Oxygen Units | 194d 30-Oct-15 | | |
| 1616 | Raft Foundations | 194d 30-Oct-15 | | |
| 1617 | Excavation for Bieg #3.1 & Oxygen Units | 195d 30-Oct-15 | | |
| 1618 | Raft Foundations | 195d 30-Oct-15 | | |
| 1619 | Excavation for Bieg #3.1 & Oxygen Units | 196d 30-Oct-15 | | |
| 1620 | Raft Foundations | 196d 30-Oct-15 | | |
| 1621 | Excavation for Bieg #3.1 & Oxygen Units | 197d 30-Oct-15 | | |
| 1622 | Raft Foundations | 197d 30-Oct-15 | | |
| 1623 | Excavation for Bieg #3.1 & Oxygen Units | 198d 30-Oct-15 | | |
| 1624 | Raft Foundations | 198d 30-Oct-15 | | |
| 1625 | Excavation for Bieg #3.1 & Oxygen Units | 199d 30-Oct-15 | | |
| 1626 | Raft Foundations | 199d 30-Oct-15 | | |
| 1627 | Excavation for Bieg #3.1 & Oxygen Units | 200d 30-Oct-15 | | |
| 1628 | Raft Foundations | 200d 30-Oct-15 | | |
| 1629 | Excavation for Bieg #3.1 & Oxygen Units | 201d 30-Oct-15 | | |
| 1630 | Raft Foundations | 201d 30-Oct-15 | | |
| 1631 | Excavation for Bieg #3.1 & Oxygen Units | 202d 30-Oct-15 | | |
| 1632 | Raft Foundations | 202d 30-Oct-15 | | |
| 1633 | Excavation for Bieg #3.1 & Oxygen Units | 203d 30-Oct-15 | | |
| 1634 | Raft Foundations | 203d 30-Oct-15 | | |
| 1635 | Excavation for Bieg #3.1 & Oxygen Units | 204d 30-Oct-15 | | |
| 1636 | Raft Foundations | 204d 30-Oct-15 | | |
| 1637 | Excavation for Bieg #3.1 & Oxygen Units | 205d 30-Oct-15 | | |
| 1638 | Raft Foundations | 205d 30-Oct-15 | | |
| 1639 | Excavation for Bieg #3.1 & Oxygen Units | 206d 30-Oct-15 | | |
| 1640 | Raft Foundations | 206d 30-Oct-15 | | |
| 1641 | Excavation for Bieg #3.1 & Oxygen Units | 207d 30-Oct-15 | | |
| 1642 | Raft Foundations | 207d 30-Oct-15 | | |
| 1643 | Excavation for Bieg #3.1 & | | | |

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

| Contract Programme Progress Updated on 17-Jun-19 | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|--|---|---------------|--------------------|-------------------|----------------------|------------------|----------|------------|-----------|-----------|------------|-----------|-----------|------------|----------|-----------|-----------|
| OSCAR BIOENERGY JV | | | | | | | | | | | | | | | | | | | |
| 2019 | | | | | | | | | | | | | | | | | | | |
| # | Activity ID | Activity Name | Start Date | End Date | Remaining Duration | Actual % Complete | Total hours Estimate | Planned End Date | Actual % | Start Date | End Date | Actual % | Start Date | End Date | Actual % | Start Date | End Date | Actual % | |
| | | | | | | | | | | | | | | | | | | | |
| 1446 | CC105140 | Foul Drainage Connections | 11d 24-Dec-15 | 23-Dec-15 | 13d | 18-Jun-16 | 04-Jun-16 | 0% | -18d | 18-Jun-16 | 07-Jun-16 | 0% | -14d | 14-Jun-16 | 07-Jun-16 | 0% | -14d | 14-Jun-16 | |
| 1447 | CC105160 | Slab at Grd Bldg #5 | 11d 24-Dec-15 | 08-Jan-16 | 6d | 08-Jun-16 | 08-Jun-16 | 100% | -18d | 08-Jun-16 | 14-Jun-16 | 0% | -14d | 08-Jun-16 | 14-Jun-16 | 0% | -14d | 08-Jun-16 | |
| 1448 | CC105180 | Walls & Columns G/F to 1/F | 5d 09-Jan-16 | 14-Jan-16 | 6d | 08-Jun-16 | 08-Jun-16 | 100% | -18d | 08-Jun-16 | 14-Jun-16 | 0% | -14d | 08-Jun-16 | 14-Jun-16 | 0% | -14d | 08-Jun-16 | |
| 1449 | CC105200 | Slab at 1/F | 6d 15-Jan-16 | 21-Jan-16 | 8d | 15-Jun-16 | 23-Jun-16 | 0% | -18d | 15-Jun-16 | 23-Jun-16 | 0% | -14d | 15-Jun-16 | 23-Jun-16 | 0% | -14d | 15-Jun-16 | |
| 1450 | CC105220 | Walls & columns 1/F to RF | 6d 22-Jan-16 | 28-Jan-16 | 8d | 20-Aug-16 | 02-Aug-16 | 0% | -18d | 20-Aug-16 | 28-Aug-16 | 0% | -14d | 20-Aug-16 | 28-Aug-16 | 0% | -14d | 20-Aug-16 | |
| 1451 | CC105240 | R/F Slab & Beams | 6d 29-Jan-16 | 04-Feb-16 | 8d | 04-Aug-16 | 11-Aug-16 | 0% | -18d | 04-Aug-16 | 11-Aug-16 | 0% | -14d | 04-Aug-16 | 11-Aug-16 | 0% | -14d | 04-Aug-16 | |
| 1452 | CC105260 | Perimeter Walls | 5d 05-Feb-16 | 13-Feb-16 | 6d | 12-Aug-16 | 18-Aug-16 | 0% | -18d | 12-Aug-16 | 18-Aug-16 | 0% | -14d | 12-Aug-16 | 18-Aug-16 | 0% | -14d | 12-Aug-16 | |
| 1453 | CC105280 | Backfilling Works | 12d 15-Jan-16 | 28-Jan-16 | 14d | 15-Jun-16 | 30-Jun-16 | 0% | -18d | 15-Jun-16 | 30-Jun-16 | 0% | -13d | 15-Jun-16 | 30-Jun-16 | 0% | -13d | 15-Jun-16 | |
| 1454 | CC105300 | Concrete Pumps / Walls / Trenches / Rail & Floor | 12d 29-Jan-16 | 15-Feb-16 | 17d | 15-Jun-16 | 03-Aug-16 | 0% | -18d | 15-Jun-16 | 03-Aug-16 | 0% | -13d | 15-Jun-16 | 03-Aug-16 | 0% | -13d | 15-Jun-16 | |
| 1455 | CC105320 | ABWF Works | 16d 15-Feb-16 | 03-Mar-16 | 36d | 25-Jun-16 | 03-Sep-16 | 0% | -18d | 25-Jun-16 | 03-Sep-16 | 0% | -15d | 25-Jun-16 | 03-Sep-16 | 0% | -15d | 25-Jun-16 | |
| 1456 | Handover to E&M Works | E&M Works (Bldg #3 Zone #3.1 - 11kV Svc Rms & 11kV Svc Board Rms) | 0d 03-Mar-16 | 0d | 0d | 0d | 19-Sep-16 | 19-Sep-16 | 0% | -18d | 0d | 0d | 0% | -14d | 0d | 0d | 0% | -14d | |
| 1457 | CC105330 | Handover to E&M Works (Bldg #3 Zone #3.1 - Chp Area) | 0d 03-Mar-16 | 0d | 0d | 0d | 03-Aug-16 | 03-Aug-16 | 0% | -18d | 0d | 0d | 0% | -14d | 0d | 0d | 0% | -14d | |
| 1458 | CC105332 | Handover to E&M Works (Bldg #3 Zone #3.1.3 - Energy Center Roof) | 0d 03-Mar-16 | 0d | 0d | 0d | 03-Sep-16 | 03-Sep-16 | 0% | -18d | 0d | 0d | 0% | -14d | 0d | 0d | 0% | -14d | |
| 1459 | CC105334 | Handover to E&M Works (Bldg #4 Zone #4.2 - Energy Center Roof) | 0d 03-Mar-16 | 0d | 0d | 0d | 03-Sep-16 | 03-Sep-16 | 0% | -18d | 0d | 0d | 0% | -14d | 0d | 0d | 0% | -14d | |
| 1460 | CC105336 | Handover to E&M Works (Bldg #4 Zone #4.3 - Energy Center Other Remaining Area) | 0d 03-Mar-16 | 0d | 0d | 0d | 03-Sep-16 | 03-Sep-16 | 0% | -18d | 0d | 0d | 0% | -14d | 0d | 0d | 0% | -14d | |
| 1461 | CC105340 | Anerobic Digestion Tanks (Zone #5.2) | 26d 03-May-16 | 31-May-16 | 93d | 04-Nov-16 | 07-Oct-16 | 0% | -18d | 04-Nov-16 | 07-Oct-16 | 0% | -14d | 04-Nov-16 | 07-Oct-16 | 0% | -14d | 04-Nov-16 | |
| 1462 | CC105350 | Nothing and Pre-drilling for AD Tank Socked Steel-H Piles (16 Nos.) | 12d 03-May-16 | 19-May-16 | 14d | 04-Nov-16 | 02-Jun-16 | 100% | -18d | 04-Nov-16 | 02-Jun-16 | 100% | -9d | 04-Nov-16 | 02-Jun-16 | 100% | -9d | 04-Nov-16 | |
| 1463 | CC105360 | Installation of Pre-bored Socked Steel-H Piles (64 Nos.) | 9d 21-May-15 | 01-Jun-15 | 24d | 07-Aug-15 | 03-Sep-15 | 0d | -18d | 07-Aug-15 | 03-Sep-15 | 0d | -2d | 07-Aug-15 | 03-Sep-15 | 0d | -2d | 07-Aug-15 | |
| 1464 | CC105370 | Proof Drilling | 24d 07-Aug-15 | 03-Sep-15 | 0d | 18-Aug-15 | 28-Aug-15 | 100% | -18d | 18-Aug-15 | 28-Aug-15 | 0d | -5d | 18-Aug-15 | 28-Aug-15 | 0d | -5d | 18-Aug-15 | |
| 1465 | CC105380 | Pile Load Test | 37d 01-Sep-15 | 15-Oct-15 | 0d | 07-Sep-15 | 26-Oct-15 | 100% | -18d | 07-Sep-15 | 26-Oct-15 | 0d | -11d | 07-Sep-15 | 26-Oct-15 | 0d | -11d | 07-Sep-15 | |
| 1466 | CC105390 | Excavation | 7d 14-Oct-15 | 21-Oct-15 | 7d | 14-Jun-16 | 11-Jun-16 | 0d | -18d | 14-Jun-16 | 11-Jun-16 | 0d | -14d | 14-Jun-16 | 11-Jun-16 | 0d | -14d | 14-Jun-16 | |
| 1467 | CC105400 | Installation of AD Tank I.c. Pie Cap | 17d 21-May-15 | 05-Nov-15 | 0d | 24-Nov-15 | 26-Nov-15 | 0d | -18d | 24-Nov-15 | 26-Nov-15 | 0d | -10d | 24-Nov-15 | 26-Nov-15 | 0d | -10d | 24-Nov-15 | |
| 1468 | CC105410 | AD Pump Room 1 | 14d 06-Oct-15 | 20-Nov-15 | 0d | 31-Dec-15 | 01-Jan-16 | 100% | -18d | 31-Dec-15 | 01-Jan-16 | 0d | -3d | 31-Dec-15 | 01-Jan-16 | 0d | -3d | 31-Dec-15 | |
| 1469 | CC105420 | AD Tank 2 | 16d 27-Nov-15 | 17-Dec-15 | 0d | 26-Dec-15 | 10-Dec-15 | 100% | -18d | 26-Dec-15 | 10-Dec-15 | 0d | -6d | 26-Dec-15 | 10-Dec-15 | 0d | -6d | 26-Dec-15 | |
| 1470 | CC105430 | AD Tank 3 | 18d 18-Dec-15 | 11-Jan-16 | 0d | 07-Nov-15 | 07-Nov-15 | 100% | -18d | 07-Nov-15 | 07-Nov-15 | 0d | -14d | 07-Nov-15 | 07-Nov-15 | 0d | -14d | 07-Nov-15 | |
| 1471 | CC105440 | General | 63d 31-Jan-16 | 31-Mar-16 | 43d | 27-Dec-15 | 04-Feb-16 | 100% | -18d | 27-Dec-15 | 04-Feb-16 | 0d | -16d | 27-Dec-15 | 04-Feb-16 | 0d | -16d | 27-Dec-15 | |
| 1472 | CC105450 | CC105460 | Backfilling to pile cap | 21d 22-Jan-16 | 04-Feb-16 | 0d | 05-Jan-16 | 11-Feb-16 | 100% | -18d | 05-Jan-16 | 11-Feb-16 | 0d | -4d | 05-Jan-16 | 11-Feb-16 | 0d | -4d | 05-Jan-16 |
| 1473 | CC105470 | AD Pump Room 1 | 24d 29-Jan-16 | 29-Feb-16 | 0d | 19-Feb-16 | 04-Mar-16 | 100% | -18d | 19-Feb-16 | 04-Mar-16 | 0d | -2d | 19-Feb-16 | 04-Mar-16 | 0d | -2d | 19-Feb-16 | |
| 1474 | CC105480 | AD tanks | 18d 19-Feb-16 | 10-Mar-16 | 18d | 08-Aug-16 | 08-Aug-16 | 100% | -18d | 08-Aug-16 | 08-Aug-16 | 0d | -7d | 08-Aug-16 | 08-Aug-16 | 0d | -7d | 08-Aug-16 | |
| 1475 | CC105490 | Excavation | 21d 03-Mar-16 | 03-Mar-16 | 0d | 07-Sep-15 | 13-Jun-16 | 0% | -18d | 07-Sep-15 | 13-Jun-16 | 0d | -10d | 07-Sep-15 | 13-Jun-16 | 0d | -10d | 07-Sep-15 | |
| 1476 | CC105500 | Boundary Wall (Wall Stem) | 24d 05-Feb-16 | 07-Mar-16 | 0d | 07-Dec-15 | 06-Jan-16 | 100% | -18d | 07-Dec-15 | 06-Jan-16 | 0d | -9d | 07-Dec-15 | 06-Jan-16 | 0d | -9d | 07-Dec-15 | |
| 1477 | CC105510 | Buried Wall | 24d 01-Mar-16 | 31-Mar-16 | 0d | 07-Dec-15 | 06-Jan-16 | 100% | -18d | 07-Dec-15 | 06-Jan-16 | 0d | -9d | 07-Dec-15 | 06-Jan-16 | 0d | -9d | 07-Dec-15 | |
| 1478 | CC105520 | Concrete Pumps / Walls / Trenches | 12d 19-Feb-16 | 24-Mar-16 | 0d | 18-Jun-16 | 03-Aug-16 | 100% | -18d | 18-Jun-16 | 03-Aug-16 | 0d | -10d | 18-Jun-16 | 03-Aug-16 | 0d | -10d | 18-Jun-16 | |
| 1479 | CC105530 | ABWF for Pump Buildings | 15d 08-Mar-16 | 24-Mar-16 | 0d | 21-Mar-16 | 05-Apr-16 | 100% | -18d | 21-Mar-16 | 05-Apr-16 | 0d | -6d | 21-Mar-16 | 05-Apr-16 | 0d | -6d | 21-Mar-16 | |
| 1480 | CC105540 | Foul Drain Connection | 12d 05-Feb-16 | 22-Feb-16 | 0d | 07-Dec-15 | 06-Jan-16 | 100% | -18d | 07-Dec-15 | 06-Jan-16 | 0d | -9d | 07-Dec-15 | 06-Jan-16 | 0d | -9d | 07-Dec-15 | |
| 1481 | CC105550 | CC105560 | Boundary Wall (Wall Stem) | 24d 06-Feb-16 | 07-Mar-16 | 0d | 07-Dec-15 | 06-Jan-16 | 100% | -18d | 07-Dec-15 | 06-Jan-16 | 0d | -9d | 07-Dec-15 | 06-Jan-16 | 0d | -9d | 07-Dec-15 |
| 1482 | CC105570 | CC105580 | Buried Wall | 24d 01-Mar-16 | 31-Mar-16 | 0d | 07-Dec-15 | 06-Jan-16 | 100% | -18d | 07-Dec-15 | 06-Jan-16 | 0d | -9d | 07-Dec-15 | 06-Jan-16 | 0d | -9d | 07-Dec-15 |
| 1483 | CC105590 | CC105600 | Concrete Pumps / Walls / Trenches | 12d 19-Feb-16 | 24-Mar-16 | 0d | 18-Jun-16 | 03-Aug-16 | 100% | -18d | 18-Jun-16 | 03-Aug-16 | 0d | -10d | 18-Jun-16 | 03-Aug-16 | 0d | -10d | 18-Jun-16 |
| 1484 | CC105610 | CC105620 | ABWF Works | 15d 08-Mar-16 | 24-Mar-16 | 0d | 21-Mar-16 | 05-Apr-16 | 100% | -18d | 21-Mar-16 | 05-Apr-16 | 0d | -6d | 21-Mar-16 | 05-Apr-16 | 0d | -6d | 21-Mar-16 |
| 1485 | CC105630 | Handover to E&M Works (Zone #4.2 - AD Tanks 1 & 2) | 0d 24-Mar-16 | 24-Mar-16 | 0d | 05-Jun-16 | 06-Jun-16 | 100% | -18d | 05-Jun-16 | 06-Jun-16 | 0d | -1d | 05-Jun-16 | 06-Jun-16 | 0d | -1d | 05-Jun-16 | |
| 1486 | CC105640 | Handover to E&M Works (Zone #4.2.2 - AD Tanks 3 & 3B1) | 0d 24-Mar-16 | 24-Mar-16 | 0d | 05-Jun-16 | 06-Jun-16 | 100% | -18d | 05-Jun-16 | 06-Jun-16 | 0d | -1d | 05-Jun-16 | 06-Jun-16 | 0d | -1d | 05-Jun-16 | |
| 1487 | CC105650 | Handover to E&M Works (Zone #4.3 - Jet Mixing Pump Rooms) | 0d 05-Apr-16 | 05-Apr-16 | 0d | 08-Jul-16 | 08-Jul-16 | 0% | -18d | 08-Jul-16 | 08-Jul-16 | 0d | -8d | 08-Jul-16 | 08-Jul-16 | 0d | -8d | 08-Jul-16 | |
| 1488 | CC105660 | Handover to E&M Works (Zone #4.2.4 - Centrifuge Feed Pump Room) | 0d 05-Apr-16 | 05-Apr-16 | 0d | 03-Nov-15 | 03-Nov-15 | 0% | -18d | 03-Nov-15 | 03-Nov-15 | 0d | -15d | 03-Nov-15 | 03-Nov-15 | 0d | -15d | 03-Nov-15 | |
| 1489 | CC105670 | Ammonia Stripper (Zone #3.3) | 0d 05-Apr-16 | 05-Apr-16 | 0d | 08-Jun-16 | 08-Jun-16 | 0% | -18d | 08-Jun-16 | 08-Jun-16 | 0d | -10d | 08-Jun-16 | 08-Jun-16 | 0d | -10d | 08-Jun-16 | |
| 1490 | CC105680 | Handover to E&M Works (Zone #4.3 - Ammonia Stripper) | 0d 05-Apr-16 | 05-Apr-16 | 0d | 03-Nov-15 | 03-Nov-15 | 0% | -18d | 03-Nov-15 | 03-Nov-15 | 0d | -15d | 03-Nov-15 | 03-Nov-15 | 0d | -15d | 03-Nov-15 | |
| 1491 | CC105690 | Pre-drilling for Ammonia Stripper Socked Steel-H Piles (3 Nos.) | 0d 05-Apr-16 | 05-Apr-16 | 0d | 15-Jun-16 | 22-Jun-16 | 0% | -18d | 15-Jun-16 | 22-Jun-16 | 0d | -7d | 15-Jun-16 | 22-Jun-16 | 0d | -7d | 15-Jun-16 | |
| 1492 | CC105700 | Installation of Pre-bored Socked Steel-H Piles (6 Nos.) | 0d 05-Apr-16 | 05-Apr-16 | 0d | 21-Aug-15 | 31-Aug-15 | 0% | -18d | 21-Aug-15 | 31-Aug-15 | 0d | -10d | 21-Aug-15 | 31-Aug-15 | 0d | -10d | 21-Aug-15 | |
| 1493 | CC105710 | Proof Drilling | 7d 01-Sep-15 | 08-Sep-15 | 0d | 31-Aug-15 | 08-Sep-15 | 0% | -18d | 31-Aug-15 | 08-Sep-15 | 0d | -10d | 31-Aug-15 | 08-Sep-15 | 0d | -10d | 31-Aug-15 | |
| 1494 | CC105720 | CC105730 | Proof Load Test | 12d 06-Sep-15 | 22-Sep-15 | 0d | 25-Aug-15 | 05-Sep-15 | 0% | -18d | 25-Aug-15 | 05-Sep-15 | 0d | -10d | 25-Aug-15 | 05-Sep-15 | 0d | -10d | 25-Aug-15 |
| 1495 | CC105740 | CC105750 | Excavation | 6d 07-Sep-15 | 30-Sep-15 | 0d | 14-Nov-15 | 05-Nov-15 | 100% | -18d | 14-Nov-15 | 05-Nov-15 | 0d | -13d | 14-Nov-15 | 05-Nov-15 | 0d | -13d | 14-Nov-15 |
| 1496 | CC105760 | CC105770 | Pile Cap | 21d 02-Oct-15 | 27-Oct-15 | 0d | 07-Nov-15 | 12-Mar-16 | 100% | -18d | 07-Nov-15 | 12-Mar-16 | 0d | -12d | 07-Nov-15 | 12-Mar-16 | 0d | -12d | 07-Nov-15 |
| 1497 | CC105780 | CC105790 | Backfilling to pile cap / Pith | 6d 28-Oct-15 | 03-Nov-15 | 0d | 14-Mar-16 | 16-Mar-16 | 100% | -18d | 14-Mar-16 | 16-Mar-16 | 0d | -10d | 14-Mar-16 | 16-Mar-16 | 0d | -10d | 14-Mar-16 |
| 1498 | CC105800 | CC105810 | Handover to E&M Works (Zone #4.3 - Centrifuge Feed Pump Room) | 0d 03-Nov-15 | 03-Nov-15 | 0d | 30-Jun-16 | 30-Jun-16 | 0% | -18d | 30-Jun-16 | 30-Jun-16 | 0d | -8d | 30-Jun-16 | 30-Jun-16 | 0d | -8d | 30-Jun-16 |
| 1499 | CC105820 | CC105830 | Handover to E&M Works (Zone #4.3 - Ammonia Stripper) | 0d 03-Nov-15 | 03-Nov-15 | 0d | 02-Sep-16 | 23-Sep-16 | 0% | -18d | 02-Sep-16 | 23-Sep-16 | 0d | -10d | 02-Sep-16 | 23-Sep-16 | 0d | -10d | 02-Sep-16 |
| 1500 | CC105840 | CAPCS Stack (instl building 1) | 308d 03-Sep-15 | 23-Sep-16 | 54d | 02-Sep-16 | 22-Nov-16 | 100% | -18d | 02-Sep-16 | 22-Nov-16 | 0d | -40d | 02-Sep-16 | 22-Nov-16 | 0d | -40d | 02-Sep-16 | |
| 1501 | CC105850 | Primary Baseline | 308d 03-Sep-15 | 23-Sep-16 | 54d | 02-Sep-16 | 22-Nov-16 | 100% | -18d | 02-Sep-16 | 22-Nov-16 | 0d | -40d | 02-Sep-16 | 22-Nov-16 | 0d | -40d | 02-Sep-16 | |
| 1502 | CC105860 | Baseline Milestone | 308d 03-Sep-15 | 23-Sep-16 | 54d | 02-Sep-16 | 22-Nov-16 | 100% | -18d | 02-Sep-16 | 22-Nov-16 | 0d | -40d | 02-Sep-16 | 22-Nov-16 | 0d | -40d | 02-Sep-16 | |
| 1503 | CC105870 | Critical | 308d 03-Sep-15 | 23-Sep-16 | 54d | 02-Sep-16 | 22-Nov-16 | 100% | -18d | 02-Sep-16 | 22-Nov-16 | 0d | -40d | 02-Sep-16 | 22 | | | | |

Environmental Protection Department
of the HKSR

Contract No. EP/SP/61/10

Contract Programme Progress Updated on 17-Jun-16

Organic Waste Treatment Facilities Phase I

OSCAR BIOENERGY JV

| # | Activity ID | Activity Name | BL Project Start Date | BL Project End Date | BL Project Remaining Duration | Start Date | Finish Date | Actual % Complete | Total Work Estimate | Work Bl. Estimate | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
|------|-------------|--|-----------------------|---------------------|-------------------------------|----------------|-------------|-------------------|---------------------|-------------------|------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1472 | CC108160 | Excavation (Raft Footing - Refer to Building #1) | 15d 10-Sep-15 | 0d | 0d | 02-Sep-15 | 12-Dec-15A | 100% | -435d | -182d | | | | | | | | | | | | | | | | | | | | | | |
| 1473 | CC108180 | Raft Footing - Refer to Building #1 | | | | 21d 28-Sep-15 | 24-Oct-15 | 0d | 07-Nov-16 | 30-Apr-16A | 0% | | | | | | | | | | | | | | | | | | | | | |
| 1474 | CC108220 | Effect structural steel support for CAPCS duct (Refer to Building 1) | | | | 18d 26-Nov-15 | 18-Dec-15 | 30d | 19-Sep-16 | 25-Oct-16 | 0% | -32d | -49d | | | | | | | | | | | | | | | | | | | |
| 1475 | CC108260 | ABWF Work | | | | 24d 26-Aug-16 | 23-Sep-16 | 24d | 26-Oct-16 | 22-Nov-16 | 0% | -32d | -49d | | | | | | | | | | | | | | | | | | | |
| 1476 | CC108260 | Handover & Works to E&M | | | | 0d 16-Dec-15 | 0d | 0d | 28-Oct-16 | 28-Oct-16 | 0% | -32d | -25d | | | | | | | | | | | | | | | | | | | |
| 1477 | CC108240 | Handover to E&M Works (CAPCS Stock) | | | | 118d 01-Sep-15 | 22-Jan-16 | 88d | 07-Sep-15A | 03-Oct-16 | 0% | -72d | -205d | | | | | | | | | | | | | | | | | | | |
| 1478 | CC108240 | Bogas Cleaning & Storage Tank (Zone #3.5) | | | | 60d 01-Sep-15 | 12-Nov-16 | 60d | 02-Sep-16 | 02-Sep-16 | 0% | -72d | -289d | | | | | | | | | | | | | | | | | | | |
| 1479 | CC109100 | Intermediate Bogas Tank | | | | 12d 01-Sep-15 | 14-Sep-15 | 0d | 07-Sep-15A | 15-Oct-15A | 100% | -72d | -250d | | | | | | | | | | | | | | | | | | | |
| 1480 | CC109100 | Excavation (pile cap at AD Tank Area) | | | | 18d 15-Sep-15 | 07-Oct-15 | 0d | 12-Oct-15A | 24-Nov-15A | 100% | -40d | -40d | | | | | | | | | | | | | | | | | | | |
| 1481 | CC109120 | Raft Foundations (pile cap at AD Tank Area) | | | | 12d 08-Oct-15 | 22-Oct-15 | 12d | 30-Jul-16 | 12-Aug-16 | 0% | -72d | -29d | | | | | | | | | | | | | | | | | | | |
| 1482 | CC109140 | Foul Drainage Connections | | | | 18d 23-Oct-15 | 12-Nov-15 | 18d | 13-Aug-16 | 02-Sep-16 | 0% | -72d | -28d | | | | | | | | | | | | | | | | | | | |
| 1483 | CC109160 | Concrete Pumps | | | | 6d 06-Nov-15 | 12-Nov-15 | 6d | 27-Aug-16 | 02-Sep-16 | 0% | -72d | -29d | | | | | | | | | | | | | | | | | | | |
| 1484 | CC109180 | Backfilling Works | | | | 19d 16-Oct-15 | 07-Nov-15 | 4d | 26-Oct-15A | 02-Sep-16 | 0% | -72d | -243d | | | | | | | | | | | | | | | | | | | |
| 1485 | CC105220 | Desuperheater Works | | | | 6d 16-Oct-15 | 23-Oct-15 | 6d | 26-Oct-15A | 02-Nov-15A | 100% | -10d | -10d | | | | | | | | | | | | | | | | | | | |
| 1486 | CC105220 | Excavation (pile cap at AD Tank Area) | | | | 9d 24-Oct-15 | 03-Nov-15 | 0d | 07-Nov-15A | 22-Dec-15A | 100% | -42d | -42d | | | | | | | | | | | | | | | | | | | |
| 1487 | CC105240 | Raft Foundations (pile cap at AD Tank Area) | | | | 4d 04-Nov-15 | 07-Nov-15 | 4d | 30-Aug-16 | 02-Sep-16 | 0% | -72d | -243d | | | | | | | | | | | | | | | | | | | |
| 1488 | CC105360 | Concrete Pumps | | | | 11d 16-Oct-15 | 22-Nov-16 | 5d | 24-Nov-16 | 03-Oct-16 | 0% | -72d | -19d | | | | | | | | | | | | | | | | | | | |
| 1489 | CC105200 | Excavation to Bogas Holder / Bogas Plant | | | | 8d 30-Oct-15 | 05-Nov-15 | 6d | 30-Jul-16 | 05-Aug-16 | 0% | -72d | -215d | | | | | | | | | | | | | | | | | | | |
| 1490 | CC105220 | Raft Foundations | | | | 6d 06-Nov-15 | 12-Nov-15 | 6d | 30-Jul-16 | 05-Aug-16 | 0% | -72d | -215d | | | | | | | | | | | | | | | | | | | |
| 1491 | CC105240 | Underground Drainage Work | | | | 12d 13-Nov-15 | 20-Nov-15 | 20d | 03-Aug-16 | 22-Aug-16 | 0% | -72d | -217d | | | | | | | | | | | | | | | | | | | |
| 1492 | CC105260 | R.C. structure of Plant Room | | | | 4d 18-Dec-15 | 22-Dec-15 | 4d | 23-Aug-16 | 02-Aug-16 | 0% | -72d | -19d | | | | | | | | | | | | | | | | | | | |
| 1493 | CC105280 | Clearance | | | | 2d 22-Dec-15 | 22-Jan-16 | 3d | 27-Aug-16 | 03-Oct-16 | 0% | -72d | -25d | | | | | | | | | | | | | | | | | | | |
| 1494 | CC105300 | ABWF Works | | | | 0d 22-Jan-16 | 22-Jan-16 | 42d | 02-Sep-16 | 02-Sep-16 | 0% | -56d | -181d | | | | | | | | | | | | | | | | | | | |
| 1495 | CC105380 | Handover to E&M Works (Zone #3.1 - Bogas Cleaning & Storage Tank) | | | | 0d | 22-Jan-16 | 0d | 15-Jul-16 | 06-Jul-16 | 0% | -18d | -18d | | | | | | | | | | | | | | | | | | | |
| 1496 | CC105380 | Handover to E&M Works (Zone #3.2 - Slurry Pump & Carbon Filter) | | | | 0d | 22-Jan-16 | 0d | 02-Sep-16 | 02-Sep-16 | 0% | -91d | -200d | | | | | | | | | | | | | | | | | | | |
| 1497 | CC105380 | Handover to E&M Works (Zone #3.3 - Bogas Booster & Bogas Dehumidifier) | | | | 10ed 20-Nov-15 | 01-Apr-16 | 86d | 19-Aug-16 | 30-Nov-16 | 0% | -91d | -200d | | | | | | | | | | | | | | | | | | | |
| 1498 | CC105400 | Wastbridge (Zone #3.6) | | | | 12d 20-Nov-15 | 03-Dec-15 | 6d | 19-Aug-16 | 05-Aug-16 | 0% | -91d | -214d | | | | | | | | | | | | | | | | | | | |
| 1499 | CC105400 | Handover to E&M Works (Zone #3.6 - Wastbridge) | | | | 9d 04-Dec-15 | 14-Dec-15 | 9d | 26-Aug-16 | 05-Sep-16 | 0% | -91d | -214d | | | | | | | | | | | | | | | | | | | |
| 1500 | CC110100 | Excavation | | | | 15d 15-Dec-15 | 04-Jan-16 | 15d | 06-Sep-16 | 23-Sep-16 | 0% | -91d | -214d | | | | | | | | | | | | | | | | | | | |
| 1501 | CC110120 | Control Room Floating | | | | 6d 29-Jan-16 | 04-Feb-16 | 6d | 21-Oct-16 | 27-Oct-16 | 0% | -91d | -214d | | | | | | | | | | | | | | | | | | | |
| 1502 | CC110140 | Wall Floor Sab and Stair | | | | 17d 05-Feb-16 | 27-Feb-16 | 17d | 06-Nov-16 | 16-Nov-16 | 0% | -91d | -214d | | | | | | | | | | | | | | | | | | | |
| 1503 | CC110160 | Wall and Roof Sab | | | | 26d 29-Feb-16 | 01-Apr-16 | 12d | 14-Oct-16 | 20-Oct-16 | 0% | -91d | -214d | | | | | | | | | | | | | | | | | | | |
| 1504 | CC110180 | Plaster | | | | 0d 01-Apr-16 | 01-Apr-16 | 0d | 30-Nov-16 | 06-Nov-16 | 0% | -91d | -200d | | | | | | | | | | | | | | | | | | | |
| 1505 | CC110200 | Backfill and Formation | | | | 6d 20-Nov-15 | 03-Dec-15 | 6d | 26-Aug-16 | 05-Sep-16 | 0% | -91d | -214d | | | | | | | | | | | | | | | | | | | |
| 1506 | CC110220 | Concrete Structure for Wastbridge | | | | 10d 05-Mar-16 | 21-Jan-16 | 15d | 24-Sep-16 | 13-Oct-16 | 0% | -91d | -214d | | | | | | | | | | | | | | | | | | | |
| 1507 | CC110240 | ABWF Work | | | | 0d 01-Apr-16 | 01-Apr-16 | 6d | 14-Oct-16 | 20-Oct-16 | 0% | -91d | -214d | | | | | | | | | | | | | | | | | | | |
| 1508 | CC110260 | Handover to E&M Works (Zone #3.6 - Wastbridge) | | | | 0d 26-Jan-16 | 02-Jun-16 | 26d | 30-Jul-16 | 03-Nov-16 | 0% | -91d | -200d | | | | | | | | | | | | | | | | | | | |
| 1509 | CC110240 | Excavation | | | | 0d 08-Mar-16 | 30-Apr-16 | 10d | 05-Mar-16 | 10-Mar-16 | 0% | -91d | -188d | | | | | | | | | | | | | | | | | | | |
| 1510 | CC110260 | Footing and Wall | | | | 26d 11-Jun-16 | 12-Jul-16 | 26d | 01-Sep-16 | 04-Oct-16 | 0% | -91d | -70d | | | | | | | | | | | | | | | | | | | |
| 1511 | CC111060 | Backfilling | | | | 26d 02-Sep-15 | 29-Jul-16 | 15d | 13-Nov-15A | 21-Oct-16 | 15% | -85d | -188d | | | | | | | | | | | | | | | | | | | |
| 1512 | CC111080 | Boundary Fence (Summary) | | | | 45d 30-Jun-15 | 31-Dec-16 | 200d | 27-Sep-15A | 10-Jun-17 | 105d | -127d | -127d | | | | | | | | | | | | | | | | | | | |
| 1513 | CC111200 | Site Roadsworks (Zone #4) | | | | 101d 08-Mar-16 | 12-Jul-16 | 60d | 24-Mar-16A | 04-Oct-16 | 70% | -70d | -70d | | | | | | | | | | | | | | | | | | | |
| 1514 | CC111220 | 3m High Boundary Wall (Part 2) | | | | 43d 08-Mar-16 | 12-Mar-16 | 21d | 01-Mar-16 | 15-Mar-16 | 10d | -178d | -178d | | | | | | | | | | | | | | | | | | | |
| 1515 | CC111240 | Excavation | | | | 148d 17-Sep-15 | 15-Mar-16 | 148d | 13-Nov-15A | 21-Oct-16 | 12% | -85d | -188d | | | | | | | | | | | | | | | | | | | |
| 1516 | CC111440 | Footing and Wall | | | | 149d 02-Sep-15 | 03-Mar-16 | 64d | 05-Apr-16A | 01-Sep-16 | 10d | -70d | -70d | | | | | | | | | | | | | | | | | | | |
| 1517 | CC111660 | Backfilling | | | | 26d 11-Jun-16 | 26-Jul-16 | 104d | 23-Aug-16 | 24-Dec-16 | 0% | -64d | -125d | | | | | | | | | | | | | | | | | | | |
| 1518 | CC11180 | Boundary Fence (Summary) | | | | 47d 02-Jun-16 | 104d | 110d | 27-Sep-15A | 11-Mar-16 | 48d | -124d | -124d | | | | | | | | | | | | | | | | | | | |
| 1519 | CC111220 | Location Near Building 2 (Part 1) | | | | 48d 02-Jun-16 | 104d | 0d | 0d | 0d | 83d | -89d | -89d | | | | | | | | | | | | | | | | | | | |
| 1520 | CC111300 | Boundary Fence - Type 1 (Part 1) | | | | 148d 17-Sep-15 | 15-Mar-16 | 148d | 13-Nov-15A | 21-Oct-16 | 12% | -85d | -188d | | | | | | | | | | | | | | | | | | | |
| 1521 | CC111400 | Sluice Sewage (Summary) | | | | 149d 02-Sep-15 | 03-Mar-16 | 104d | 01-Sep-16 | 01-Nov-16 | 0% | -70d | -70d | | | | | | | | | | | | | | | | | | | |
| 1522 | CC111220 | Sluice Pipe Ducts, Trenches, Drapery & Utilities (Summary) | | | | 142d 05-Dec-15 | 01-Jun-16 | 63d | 06-Aug-16 | 21-Oct-16 | 0% | -72d | -117d | | | | | | | | | | | | | | | | | | | |
| 1523 | CC111540 | Site Roadsworks (Summary) | | | | 47d 02-Jun-16 | 104d | 0d | 0d | 0d | 81d | -121d | -121d | | | | | | | | | | | | | | | | | | | |
| 1524 | CC111220 | Location Near Building 3 (Part 1) | | | | 48d 02-Jun-16 | 104d | 0d | 0d | | | | | | | | | | | | | | | | | | | | | | | |

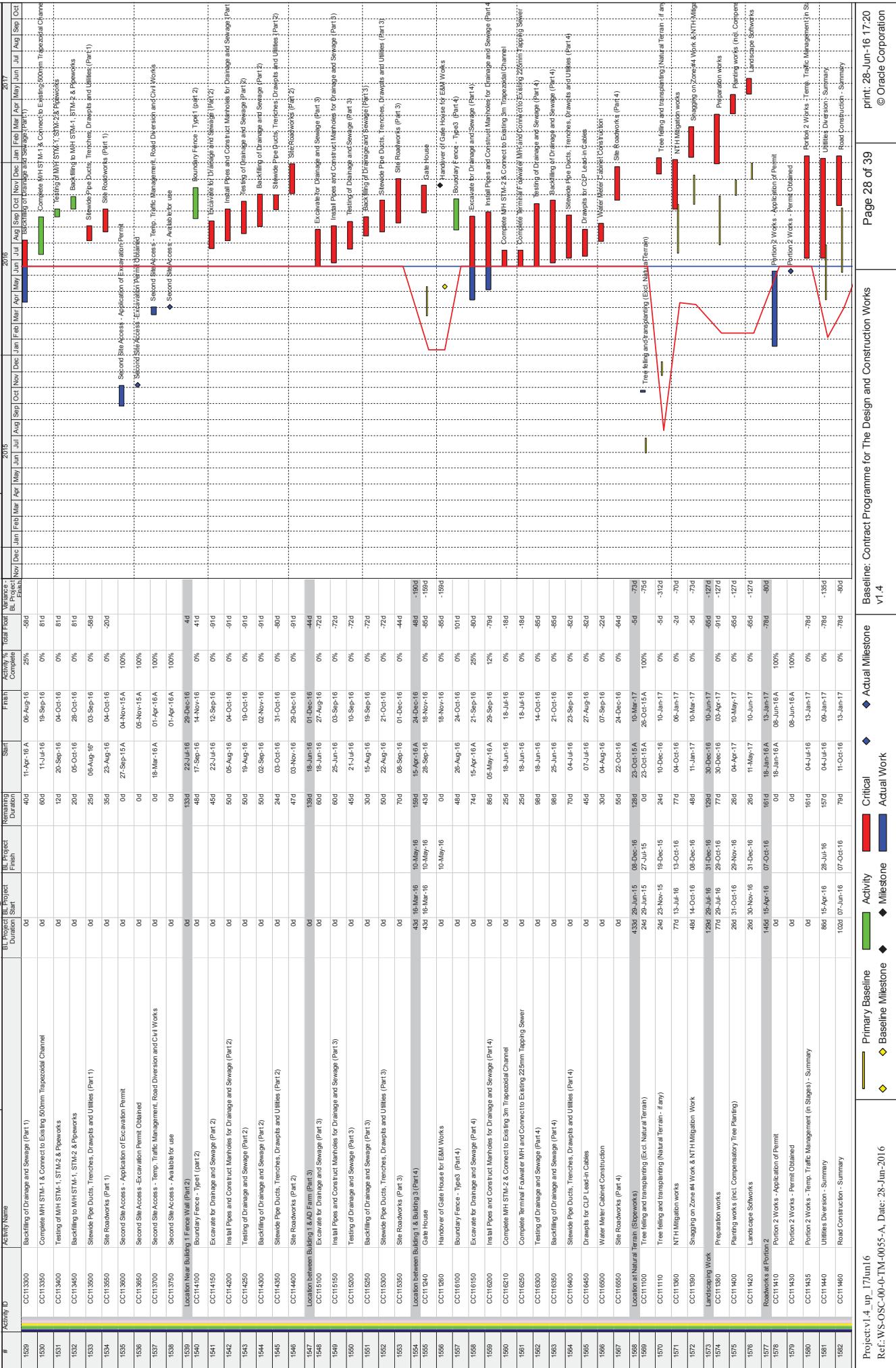
Environmental Protection Department
of the HKSSR

Contract No. EP/SP/61/10

Contract Programme Progress Updated on 17-Jun-16

Organic Waste Treatment Facilities Phase I

OSCAR BIOENERGY JV



Project v1.4, up. 17-Jun-16
Ref.: WS-OSC-00-O-TM-0055-A, Date: 28-Jun-2016

Primary Baseline Critical Milestone Actual Milestone Primary Baseline Critical Milestone Actual Work

BaseLine: Contract Programme for The Design and Construction Works
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Organic Waste Treatment Facilities Phase I

| # | Activity Name | BL Project ID | Project Start Date | Project Finish | Remaining Duration | Start Date | End Date | Activity % Complete | Total Work | Work % Complete | Bl Project Status | Bl Project Notes | 2015 | 2016 | 2017 | |
|------|---|---------------|--------------------|----------------|--------------------|------------|-----------|---------------------|------------|------------------|---|---|-------------------------|------|------|--|
| 1583 | CC114480 Removal of Abandoned Sewer Pipes | | 0d | 5d | 0d | 04-Jun-16 | 08-Sep-16 | 0% | -78d | - | On Track | On Track | | | | |
| 1584 | CC114500 Construct Gully and Associated Pipes | | 0d | 4d | 48d | 12-Aug-16 | 04-Oct-16 | 0% | -78d | - | On Track | On Track | | | | |
| 1585 | CC114520 Connection of FS Main, Fresh Water Main & Flushing Water Main by Authority or Others | | 0d | 65d | 19-Jun-16 | 04-Oct-16 | 0% | -74d | - | On Track | On Track | | | | | |
| 1586 | CC114540 Realign Kerbs for Pavement | | 0d | 1d | 11-Oct-16 | 31-Oct-16 | 0% | -78d | - | On Track | On Track | | | | | |
| 1587 | CC114560 Construction of New Concrete Footpath Pavement and Reinforcement of Kerb | | 0d | 3d | 24-Oct-16 | 29-Nov-16 | 0% | -48d | - | On Track | On Track | | | | | |
| 1588 | CC114580 Blument Pavement Reconstruction | | 0d | 5d | 24-Oct-16 | 24-Dec-16 | 0% | -64d | - | On Track | On Track | | | | | |
| 1589 | CC114600 Reinstate the Caged Pipeline | | 0d | 6d | 24-Oct-16 | 13-Jan-17 | 0% | -78d | - | On Track | On Track | | | | | |
| 1590 | CC114620 Relocation of Field Hydrant and Street Lamp by Authority or Others | | 0d | 5d | 06-Nov-16 | 13-Jan-17 | 0% | -78d | - | On Track | On Track | | | | | |
| 1591 | STATUTORY AND UTILITIES WORKS | | 457d 23-Mar-16 | 06-Oct-16 | 24d | 19-Mar-16 | 19-Aug-17 | 57d | -106d | - | On Track | On Track | | | | |
| 1592 | Electricity Supply and Energization - CLP | | 117d 03-Mar-16 | 27-Jul-16 | 12d | 19-Aug-16 | 18-Jan-17 | -149d | -144d | - | On Track | On Track | | | | |
| 1593 | | | 117d 03-Mar-16 | 27-Jul-16 | 12d | 19-Aug-16 | 18-Jan-17 | -149d | -144d | - | On Track | On Track | | | | |
| 1594 | | | 117d 03-Mar-16 | 27-Jul-16 | 12d | 19-Aug-16 | 18-Jan-17 | -149d | -144d | - | On Track | On Track | | | | |
| 1595 | SW250100 Handover of 11kV Switch Room to BSS | | 0d | 0d | 0d | 19-Aug-16 | 19-Aug-16 | 0% | -149d | -137d | Handover of 11kV Switch Room to BSS | Handover of 11kV Switch Room to BSS | | | | |
| 1596 | SW250120 Building services installation in 11kV Switch Room | | 38d 04-Mar-16 | 21-Apr-16 | 3d | 20-Aug-16 | 05-Oct-16 | 0% | -149d | -137d | Building services installation in 11kV Switch Room | Building services installation in 11kV Switch Room | | | | |
| 1597 | SW250140 Handover 11kV Switch Room to CLP | | 0d | 0d | 0d | 19-Aug-16 | 18-Jan-17 | -149d | -144d | - | Handover 11kV Switch Room to CLP | Handover 11kV Switch Room to CLP | | | | |
| 1598 | SW250160 CLP to install 11kV Switch Boards | | 90d 22-Apr-16 | 20-Jul-16 | 90d | 06-Oct-16 | 03-Jan-17 | 0% | -181d | -167d | CLP to install 11kV Switch Boards | CLP to install 11kV Switch Boards | | | | |
| 1599 | SW250170 Handover Cable Drawn to CLP (No 45-DH-001 to 007) | | 0d | 0d | 0d | 29-Aug-16 | 03-Sep-16 | 0% | -32d | - | Handover Cable Drawn to CLP (No 45-DH-001 to 007) | Handover Cable Drawn to CLP (No 45-DH-001 to 007) | | | | |
| 1600 | SW250175 CLP to install Lead-in cables | | 0d | 3d | 0d | 05-Sep-16 | 14-Oct-16 | 0% | -32d | - | CLP to install Lead-in cables | CLP to install Lead-in cables | | | | |
| 1601 | SW250180 Handover Associated cable duct to CLP (No 45-DH-001 to 007) | | 6d 31-Mar-16 | 07-Apr-16 | 6d | 29-Aug-16 | 03-Sep-16 | 0% | -76d | - | Handover Associated cable duct to CLP (No 45-DH-001 to 007) | Handover Associated cable duct to CLP (No 45-DH-001 to 007) | | | | |
| 1602 | SW250190 CLP to install HV cables | | 26d 08-Apr-16 | 09-May-16 | 26d | 12-Sep-16 | 14-Oct-16 | 0% | -42d | -124d | CLP to install HV cables | CLP to install HV cables | | | | |
| 1603 | SW250200 Submit WR1 to CLP and CLP Inspection | | 6d 10-May-16 | 17-May-16 | 6d | 12-Sep-16 | 18-Jan-17 | 0% | -49d | -197d | Submit WR1 to CLP and CLP Inspection | Submit WR1 to CLP and CLP Inspection | | | | |
| 1604 | SW250240 CLP install energy meter and energize power | | 6d 21-Jul-16 | 27-Jul-16 | 6d | 12-Jan-17 | 18-Jan-17 | 0% | -49d | -144d | CLP install energy meter and energize power | CLP install energy meter and energize power | | | | |
| 1605 | LIU Installation - ENSD | | 77d 05-Apr-16 | 29-Aug-16 | 11d | 14-Feb-17 | 08-Mar-17 | 94d | -190d | - | LIU Installation - ENSD | LIU Installation - ENSD | | | | |
| 1606 | | | 17d 05-Aug-16 | 22-Aug-16 | 17d | 14-Feb-17 | 08-Mar-17 | 94d | -130d | - | LIU Installation - ENSD | LIU Installation - ENSD | | | | |
| 1607 | | | 17d 05-Aug-16 | 22-Aug-16 | 17d | 09-Mar-17 | 09-Mar-17 | 94d | -130d | - | LIU Installation - ENSD | LIU Installation - ENSD | | | | |
| 1608 | SW250300 Submit Form LEA to ENSD | | 100 05-Aug-16 | 16-Aug-16 | 100 | 14-Feb-17 | 05-Jan-17 | 0% | -94d | -150d | Submit Form LEA to ENSD | Submit Form LEA to ENSD | | | | |
| 1609 | SW250320 ENSD Inspection | | 0d | 0d | 0d | 18-Aug-16 | 01-Sep-16 | 0% | -94d | -120d | ENSD Inspection | ENSD Inspection | | | | |
| 1610 | SW250360 Lift Certificate (Use Permit) Obtained | | 0d | 29-Aug-16 | 0d | 04-Mar-17 | 08-Mar-17 | 0% | -94d | -130d | Lift Certificate (Use Permit) Obtained | Lift Certificate (Use Permit) Obtained | | | | |
| 1611 | Fire Services - FSD | | 47d 01-Aug-16 | 06-Oct-16 | 70d | 05-Jan-17 | 19-Apr-17 | 91d | -190d | - | Fire Services - FSD | Fire Services - FSD | | | | |
| 1612 | | | 47d 01-Aug-16 | 06-Oct-16 | 70d | 05-Jan-17 | 19-Apr-17 | 91d | -130d | - | Fire Services - FSD | Fire Services - FSD | | | | |
| 1613 | SW251020 DG Inspection | | 47d 01-Aug-16 | 01-Aug-16 | 0d | 01-Aug-16 | 05-Jan-17 | 0% | -88d | -109d | DG Inspection | DG Inspection | | | | |
| 1615 | SW251040 DG Re-inspection | | 0d | 15-Aug-16 | 0d | 18-Jan-17 | 0% | -91d | -130d | DG Re-inspection | DG Re-inspection | | | | | |
| 1616 | SW251060 DG Certificate Obtained | | 0d | 101 16-Aug-16 | 29-Aug-16 | 10d | 21-Feb-17 | 06-Mar-17 | 0% | -88d | - | DG Certificate Obtained | DG Certificate Obtained | | | |
| 1617 | SW251100 Return Form F3314 | | 101 16-Aug-16 | 29-Aug-16 | 10d | 21-Feb-17 | 06-Mar-17 | 0% | -89d | -128d | Return Form F3314 | Return Form F3314 | | | | |
| 1618 | SW251140 Submit Form F5251 (with F5251) | | 101 16-Aug-16 | 29-Aug-16 | 0d | 08-Mar-17 | 08-Mar-17 | 0% | -89d | -128d | Submit Form F5251 (with F5251) | Submit Form F5251 (with F5251) | | | | |
| 1619 | SW251160 FSD Inspection | | 0d | 29-Aug-16 | 0d | 12-Sep-16 | 0d | 0% | -91d | -130d | FSD Inspection | FSD Inspection | | | | |
| 1620 | SW251180 FSD Re-inspection | | 0d | 174 13-Sep-16 | 06-Oct-16 | 17d | 23-Mar-17 | 19-Apr-17 | 0% | -91d | -130d | FSD Re-inspection | FSD Re-inspection | | | |
| 1621 | SW251200 F.S. Approval Certificate | | 75d 01-Jun-16 | 30-Aug-16 | 19d | 05-Jan-17 | 08-Feb-17 | 98d | -131d | - | F.S. Approval Certificate | F.S. Approval Certificate | | | | |
| 1622 | Plumbing - WSD | | 75d 01-Jun-16 | 30-Aug-16 | 19d | 05-Jan-16 | 09-Feb-17 | 98d | -131d | - | Plumbing - WSD | Plumbing - WSD | | | | |
| 1623 | | | 75d 01-Jun-16 | 30-Aug-16 | 19d | 20-Jun-16 | 09-Feb-17 | 98d | -131d | - | Plumbing - WSD | Plumbing - WSD | | | | |
| 1624 | SW251980 Submit Form WW46 Part I & II - Application for Installation [FS Water Supply] | | 0d | 0d | 0d | 01-Jun-16 | 06-Nov-16 | 0% | -98d | -131d | Submit Form WW46 Part I & II - Application for Installation [FS Water Supply] | Submit Form WW46 Part I & II - Application for Installation [FS Water Supply] | | | | |
| 1625 | SW251985 Obtain Form WW46 Part II from WSD [FS Water Supply] | | 0d | 0d | 0d | 04-Jul-16 | 09-Jan-17 | 0% | -98d | -131d | Obtain Form WW46 Part II from WSD [FS Water Supply] | Obtain Form WW46 Part II from WSD [FS Water Supply] | | | | |
| 1626 | WSD Connection to Water Meter Cabinet | | 0d | 0d | 0d | 21-Jun-16 | 18-Jan-17 | 0% | -23d | - | WSD Connection to Water Meter Cabinet | WSD Connection to Water Meter Cabinet | | | | |
| 1627 | SW252000 Submit Form WW46 Part IV - Request for Inspection [FS Water Supply] | | 0d | 0d | 0d | 01-Jun-16 | 06-Dec-16 | 0% | -82d | -120d | Submit Form WW46 Part IV - Request for Inspection [FS Water Supply] | Submit Form WW46 Part IV - Request for Inspection [FS Water Supply] | | | | |
| 1628 | WSD Inspection and re-inspection [FS Water Supply] | | 21d 02-Jun-16 | 04-Jul-16 | 21d | 07-Dec-16 | 09-Jan-17 | 0% | -82d | -130d | WSD Inspection and re-inspection [FS Water Supply] | WSD Inspection and re-inspection [FS Water Supply] | | | | |
| 1629 | SW252020 Form WW46 Part V [FS Water Supply] | | 21d 05-Jul-16 | 02-Aug-16 | 21d | 10-Jan-17 | 09-Feb-17 | 0% | -82d | -130d | Form WW46 Part V [FS Water Supply] | Form WW46 Part V [FS Water Supply] | | | | |
| 1630 | SW252040 Submit Form WW46 Part VI - Application for Installation [Fresh Water Supply] | | 0d | 0d | 0d | 25-Jul-16* | 0% | -12d | - | - | Submit Form WW46 Part VI - Application for Installation [Fresh Water Supply] | Submit Form WW46 Part VI - Application for Installation [Fresh Water Supply] | | | | |
| 1631 | Obtain Form WW46 Part VII from WSD [Fresh Water Supply] | | 0d | 0d | 0d | 26-Jul-16 | 22-Aug-16 | 0% | -12d | - | Obtain Form WW46 Part VII from WSD [Fresh Water Supply] | Obtain Form WW46 Part VII from WSD [Fresh Water Supply] | | | | |
| 1632 | Submit Form WW46 Part IV - Request for Inspection [Fresh Water Supply] | | 0d | 0d | 0d | 30-Jun-16 | 15-Nov-16 | 0% | -78d | -95d | Submit Form WW46 Part IV - Request for Inspection [Fresh Water Supply] | Submit Form WW46 Part IV - Request for Inspection [Fresh Water Supply] | | | | |
| 1633 | WSD Inspection and re-inspection [Fresh Water Supply] | | 21d 04-Jul-16 | 01-Aug-16 | 21d | 16-Nov-16 | 14-Dec-16 | 0% | -78d | -95d | WSD Inspection and re-inspection [Fresh Water Supply] | WSD Inspection and re-inspection [Fresh Water Supply] | | | | |
| 1634 | SW252120 Form WW46 Part V [Fresh Water Supply] | | 21d 02-Aug-16 | 03-Aug-16 | 21d | 15-Dec-16 | 17-Jan-17 | 0% | -78d | -95d | Form WW46 Part V [Fresh Water Supply] | Form WW46 Part V [Fresh Water Supply] | | | | |
| 1635 | SW252140 Drainage - USD | | 0d | 0d | 0d | 08-Oct-16 | 08-Dec-16 | 0% | -63d | - | Drainage - USD | Drainage - USD | | | | |
| 1636 | | | 0d | 0d | 0d | 08-Oct-16 | 08-Dec-16 | 0% | -63d | - | | | | | | |
| 1637 | | | 0d | 0d | 0d | 08-Oct-16 | 08-Dec-16 | 0% | -63d | - | | | | | | |
| 1638 | SW254100 Connection to DSD to Terminal Foulwater Wharf | | 0d | 0d | 0d | 08-Oct-16 | 08-Oct-16 | 0% | -63d | - | Connection to DSD to Terminal Foulwater Wharf | Connection to DSD to Terminal Foulwater Wharf | | | | |
| 1639 | | | 0d | 0d | 0d | 08-Oct-16 | 08-Oct-16 | 0% | -63d | - | | | | | | |

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BaseLine: Contract Programme for The Design and Construction Works

Primary Baseline

Actual Milestone

Critical

Milestone

Actual Work

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

Ref:WS-OSC-00-0-TM-0055-

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of the HK SAR

Contract Programme Progress Updated on 17-Jun-16

Environmental Protection Department
of the HKSAR

Contract No. EP/SP/61/10

Environmental Protection Department
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Contract Programme Progress Updated on 17-Jun-16
Contract No. EP/SP/6/1/10

| Organic Waste Phase I | | | | | | | | | | |
|-----------------------|--|--|------------|------------|------------|-----------|------------|------------|-------------|-------------------|
| # | Activity ID | Activity Name | BL Project | BL Project | BL Project | Renaming | Start Date | Facilities | Finish Date | Activity Complete |
| | | | Duration | Start | Finish | Duration | | | | |
| 1859 | EM130250 | Installation of Standby Flaring Gas Unit | 18d | 02-Jul-16 | 22-Jul-16 | 12d | 19-Sep-16 | 03-Oct-16 | 07 | |
| 1860 | EM130260 | Installation of Biogas Biofilter | 18d | 02-Jul-16 | 22-Jul-16 | 42d | 19-Sep-16 | 08-Nov-16 | 07 | |
| 1861 | EM130270 | Installation of Biogas Cooling and Condensate Removal System | 18d | 02-Jul-16 | 22-Jul-16 | 50d | 04-Oct-16 | 01-Dec-16 | 07 | |
| 1862 | EM130275 | Biogas Distribution System Pipework | 0d | | | | | | | |
| 1863 | EM130278 | Carbon Filters | 0d | | | | | | | |
| 1864 | EM130280 | Cable Tray Laying Works | 30d | 23-Jul-16 | 06-Sep-16 | 30d | 05-Oct-16 | 28-Oct-16 | 07 | |
| 1865 | EM130285 | Local Control Panel / Switch | 0d | | | | | | | |
| 1866 | EM130290 | Cabling Works | 17d | 07-Sep-16 | 27-Sep-16 | 30d | 09-Nov-16 | 08-Nov-16 | 07 | |
| 1867 | EM130295 | Completion of E&M Installation of Biogas Dissemination System | 0d | | 27-Sep-16 | 0d | | 13-Dec-16 | 07 | |
| 1868 | Installation of Control Panels | | 100d | 16-Aug-16 | 16-Aug-16 | 55d | 07-Oct-16 | 10-Dec-16 | 07 | |
| 1869 | EM190216 | Installation of Panels at Bogas MCC Rooms | 100d | 16-Aug-16 | 16-Aug-16 | 55d | 07-Oct-16 | 10-Dec-16 | 07 | |
| 1870 | Was treated Treatment System | | 110d | 04-Feb-16 | 22-Jun-16 | 140d | 16-Jun-16 | 31-Dec-16 | 07 | |
| 1871 | EM140200 | Installation of Pumping System and associated pipework | 94d | 26-Feb-16 | 22-Jun-16 | 100d | 16-Jun-16 | 31-Dec-16 | 07 | |
| 1872 | EM140200 | Water Treatment System / Piping Work | 94d | 26-Feb-16 | 22-Jun-16 | 100d | 16-Jun-16 | 31-Dec-16 | 07 | |
| 1873 | EM140200 | Installation of Aeration System | 400d | 26-Feb-16 | 16-Apr-16 | 400d | 25-Aug-16 | 13-Oct-16 | 07 | |
| 1874 | EM140200 | Chemical Storage & Dosing System | 0d | | | | | | | |
| 1875 | EM140200 | Installation of Odour Containment System (GRP Cover for WWTP) | 28d | 18-May-16 | 17-Jun-16 | 24d | 14-Oct-16 | 10-Nov-16 | 07 | |
| 1876 | EM140200 | Installation of Odour Extraction Ductwork (for WWTP) | 21d | 28-May-16 | 22-Jun-16 | 26d | 11-Nov-16 | 10-Dec-16 | 07 | |
| 1877 | EM140250 | Installation of Ammonium Stripping Plant | 51d | 14-Apr-16 | 15-Jun-16 | 90d | 16-Jun-16 | 01-Nov-16 | 07 | |
| 1878 | EM140290 | Water Treatment System / Piping Work | 0d | | | | | | | |
| 1879 | EM140330 | Chemical Storage & Dosing System | 40d | 15-Apr-16 | 40d | 40d | 04-Nov-16 | 20-Dec-16 | 07 | |
| 1880 | EM140335 | WWTP Heat Exchanger | 0d | | | | | | | |
| 1881 | EM140336 | Primary Sedimentation Tank (Central Tank) | 0d | | | | | | | |
| 1882 | EM140340 | Installation of ASP Slack | 0d | | | | | | | |
| 1883 | EM140345 | Cable Tray Laying Works | 21d | 15-Apr-16 | 12-May-16 | 60d | 21-Sep-16 | 01-Dec-16 | 07 | |
| 1884 | EM140350 | Local Control Panel / Switch | 0d | | | | | | | |
| 1885 | EM140360 | Cabling Works | 28d | 13-May-16 | 14-Jun-16 | 40d | 12-Oct-16 | 26-Nov-16 | 07 | |
| 1886 | EM140400 | Completion of E&M Installation of Wastewater Treatment System | 0d | | 22-Jun-16 | 0d | | 03-Nov-16 | | |
| 1887 | EM140450 | Installation of Control Panels | 41d | 04-Feb-16 | 29-Mar-16 | 36d | 08-Oct-16 | 08-Nov-16 | 07 | |
| 1888 | EM170250 | Installation of Panels at a WWTP NCC Room | 41d | 04-Feb-16 | 29-Mar-16 | 36d | 05-Oct-16 | 25-Nov-16 | 07 | |
| 1889 | Composting System | | 41d | 04-Feb-16 | 29-Mar-16 | 36d | 15-Oct-16 | 25-Nov-16 | 07 | |
| 1890 | Installation of Tunnel Composting 1 to 6 | | 144d | 24-May-16 | 12-Nov-16 | 177d | 20-Jun-16 | 21-Feb-17 | 07 | |
| 1891 | EM160120 | Installation of Tiles | 51d | 22-Aug-16 | 22-Oct-16 | 71d | 06-Sep-16 | 30-Nov-16 | 07 | |
| 1892 | EM160150 | Installation of Water Spraying System / Piping Work | 51d | 22-Aug-16 | 22-Oct-16 | 71d | 06-Sep-16 | 30-Nov-16 | 07 | |
| 1893 | EM160201 | Installation of Turn Table Doors | 0d | | | | | | | |
| 1894 | EM160203 | Installation of Heat Exchanger, High Pressure Fans, Hot Water Pumps | 0d | | | | | | | |
| 1895 | EM160203 | Installation of Leachate Treatment System | 18d | 24-Oct-16 | 12-Nov-16 | 61d | 27-Oct-16 | 09-Jan-17 | 07 | |
| 1896 | EM160200 | Installation of Leachate Treatment System / Piping Work | 18d | 24-Oct-16 | 12-Nov-16 | 60d | 28-Oct-16 | 09-Jan-17 | 07 | |
| 1897 | EM160202 | Leachate Pump Chamber | 0d | | | | | | | |
| 1898 | EM160220 | Leachate Pump Installation | 0d | | | | | | | |
| 1899 | Installation of Maturity Area | | 102d | 24-May-16 | 22-Sep-16 | 120d | 20-Jun-16 | 09-Dec-16 | 07 | |
| 1900 | EM160250 | Cabling Works | 102d | 24-May-16 | 22-Sep-16 | 120d | 20-Jun-16 | 09-Dec-16 | 07 | |
| 1901 | EM160300 | Installation of Structural Storage Area | 18d | 22-Aug-16 | 10-Sep-16 | 26d | 05-Sep-16 | 12-Oct-16 | 07 | |
| 1902 | EM160400 | Installation of San Screen Unit | 94d | 12-Sep-16 | 22-Sep-16 | 12d | 21-Oct-16 | 03-Nov-16 | 07 | |
| 1903 | EM160400 | Installation of Mixing Unit | 2d | 24-May-16 | 25-May-16 | 12d | 19-Nov-16 | 02-Dec-16 | 07 | |
| 1904 | EM160450 | Cable Tray Laying Works | 94d | 12-Sep-16 | 22-Sep-16 | 20d | 05-Sep-16 | 12-Oct-16 | 07 | |
| 1905 | EM160500 | Local Control Panel / Switch | 0d | | | | | | | |
| 1906 | EM160500 | Installation of Air Extraction System / Ductwork (Maturity Area) | 44d | 24-May-16 | 15-Jun-16 | 50d | 05-Sep-16 | 09-Nov-16 | 07 | |
| 1907 | EM160500 | Installation of Air Extraction System / Ductwork (Structural Storage Area) | 26d | 24-May-16 | 23-Jun-16 | 26d | 05-Sep-16 | 12-Oct-16 | 07 | |
| 1908 | EM160500 | Cable Tray Laying Works | 12d | 24-Jun-16 | 08-Jul-16 | 12d | 13-Oct-16 | 26-Oct-16 | 07 | |
| 1909 | EM160640 | Local Control Panel / Switch | 0d | | | | | | | |
| 1910 | EM160650 | Cabling Works | 12d | 05-Jun-16 | 20-Jun-16 | 60d | 20-Sep-16 | 09-Dec-16 | 07 | |
| 1911 | EM160650 | Primary Baseline | 44d | 24-May-16 | 15-Jun-16 | 50d | 05-Sep-16 | 09-Nov-16 | 07 | ◆ Actual Work |
| 1912 | EM160650 | Baseline Milestone | 44d | 24-May-16 | 15-Jun-16 | 50d | 05-Sep-16 | 09-Nov-16 | 07 | ◆ Actual Work |
| 1913 | EM160650 | Critical | 26d | 24-May-16 | 23-Jun-16 | 26d | 05-Sep-16 | 12-Oct-16 | 07 | ◆ Actual Work |
| 1914 | EM160650 | Milestone | 12d | 24-Jun-16 | 08-Jul-16 | 12d | 13-Oct-16 | 26-Oct-16 | 07 | ◆ Actual Work |
| 1915 | EM160660 | Actual Work | 0d | | 8d | 18-Oct-16 | 26-Oct-16 | 0d | | |

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 Activity  Critical
 Milestone  Actual Work

Timeline: Contract Programme for The Design and Construction Works

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Contract Programme Progress Updated on 17-Jun-16

Organic Waste Treatment Facilities Phase I

OSCAR BIOENERGY JV

| # | Activity ID | Activity Name | BL Project Start Date | BL Project Duration | SL Project Start Date | SL Project Duration | Remaining Duration | Start Date | Finish Date | Actual % Complete | Total Work Estimate | Planned % Complete | Bl Project End Date | Narrative |
|------|---|---|-----------------------|---------------------|-----------------------|---------------------|--------------------|------------|-------------|-------------------|---------------------|--------------------|---------------------|---|
| 2086 | TC100347 | SAT of H2SO4 Storage and Dosing System | 0d | 3d | 04-Apr-17 | 07-Apr-17 | 0% | -64d | | | | | 09-May-17 | SAT of H2SO4 Storage and Dosing System |
| 2087 | TC100348 | SAT of NaOCl Storage and Dosing System | 0d | 3d | 07-Apr-17 | 10-Apr-17 | 0% | -64d | | | | | 09-May-17 | SAT of NaOCl Storage and Dosing System |
| 2088 | TC100350 | SAT of Air Treatment Building 1 | 51d 26-Aug-16 | 27-Oct-16 | 11d | 25-Feb-17 | 0% | -149d | | | | | | SAT of Air Treatment Building 1 |
| 2089 | TC100360 | SAT of Air Treatment Building 2 | 0d | 7d | 27-Mar-17 | 03-Apr-17 | 0% | -64d | | | | | | SAT of Air Treatment Building 2 |
| 2090 | TC100370 | SAT of Air Treatment Others | 0d | 13d | 13-Apr-17 | 02-May-17 | 0% | -79d | | | | | | SAT of Air Treatment Others |
| 2091 | TC100400 | SAT of Compacting System | 43d 14-Nov-16 | 05-Jan-17 | 24d | 30-Mar-17 | 0% | -81d | | | | | | SAT of Compacting System |
| 2092 | TC100410 | SAT of Centrifugal system | 0d | 13d | 10-Mar-17 | 24-Feb-17 | 0% | -79d | | | | | | SAT of Centrifugal system |
| 2093 | TC100450 | SAT of Weightbridge System | 39d 28-Jul-16 | 12-Sep-16 | 2d | 25-Feb-17 | 0% | -26d | | | | | | SAT of Weightbridge System |
| 2094 | TC100460 | SAT of Vehicle Wash + Bunker Cleaning System | 0d | 14d | 19-Apr-17 | 06-May-17 | 0% | -81d | | | | | | SAT of Vehicle Wash + Bunker Cleaning System |
| 2095 | TC100470 | SAT of Building Services System (Adsorption Chiller & Water System - Bldg 1 Loop) | 0d | 14d | 21-Mar-17 | 06-Apr-17 | 0% | -60d | | | | | | SAT of Building Services System (Tc) |
| 2096 | System Commissioning (24 hours with ERIC Approval) | | | | | | | | | | | | | |
| 2097 | General Systems | | | | | | | | | | | | | |
| 2098 | TC10070 | Compressed Air System - System Commissioning | 0d | 2d | 09-Feb-17 | 10-Feb-17 | 0% | -91d | | | | | | Compressed Air System - System Commissioning |
| 2099 | TC10080 | Hot Water System - System Commissions | 0d | 2d | 21-Feb-17 | 22-Feb-17 | 0% | -101d | | | | | | Hot Water System - System Commissions |
| 2100 | TC10080 | Process Water Recycling - System Commissioning | 0d | 3d | 25-Feb-17 | 28-Feb-17 | 0% | -28d | | | | | | Process Water Recycling - System Commissioning |
| 2101 | TC10080 | Air Treatment Building 1 - System Commissioning | 0d | 3d | 10-Mar-17 | 12-Mar-17 | 0% | -48d | | | | | | Air Treatment Building 1 - System Commissioning |
| 2102 | TC10085 | Air Treatment Line 1 - System Commissioning | 1d 20-Oct-16 | 20-Oct-16 | 4d | 26-Mar-17 | 0% | -179d | | | | | | Air Treatment Line 1 - System Commissioning |
| 2103 | TC10100 | Pre Treatment Line 1 - System Commissioning | 0d | 4d | 12-Apr-17 | 15-Apr-17 | 0% | -162d | | | | | | Pre Treatment Line 1 - System Commissioning |
| 2104 | TC10110 | Pre Treatment Line II - System Commissioning | 1d 21-Oct-16 | 21-Oct-16 | 1d | 11-Mar-17 | 0% | -141d | | | | | | Pre Treatment Line II - System Commissioning |
| 2105 | TC10150 | Digestion System - Preparation for Process Startup | 1d 14-Dec-16 | 14-Dec-16 | 1d | 19-Feb-17 | 0% | -27d | | | | | | Digestion System - Preparation for Process Startup |
| 2106 | TC10200 | Bogas Network System - System Commissioning | 0d | 1d | 08-Jan-17 | 08-Jan-17 | 0% | -76d | | | | | | Bogas Network System - System Commissioning |
| 2107 | TC10350 | Bogas to Electricity - Cogen - Preparation for Process Startup | 0d | 1d | 14-Feb-17 | 17-Feb-17 | 0% | -19d | | | | | | Bogas to Electricity - Cogen - Preparation for Process Startup |
| 2108 | TC10380 | Water Heater, Primary Treatment System - System Commissioning | 0d | 1d | 11-Jan-17 | 11-Jan-17 | 0% | -77d | | | | | | Water Heater, Primary Treatment System - System Commissioning |
| 2109 | TC10620 | Waterwater Biological Treatment System - System Commissioning | 0d | 3d | 08-Apr-17 | 10-Apr-17 | 0% | -89d | | | | | | Waterwater Biological Treatment System - System Commissioning |
| 2110 | TC10660 | Air Treatment Building 2 - System Commissioning | 0d | 3d | 04-Apr-17 | 06-Apr-17 | 0% | -72d | | | | | | Air Treatment Building 2 - System Commissioning |
| 2111 | TC10570 | Air Treatment Others - System Commissioning | 0d | 4d | 03-May-17 | 06-May-17 | 0% | -102d | | | | | | Air Treatment Others - System Commissioning |
| 2112 | TC10600 | Composting System - Preparation for Process Startup | 1d 13-Jan-17 | 13-Jan-17 | 3d | 03-May-17 | 0% | -101d | | | | | | Composting System - Preparation for Process Startup |
| 2113 | TC10700 | Centrifuge System - Preparation for Process Startup | 1d 15-Jan-17 | 15-Jan-17 | 1d | 11-Mar-17 | 0% | -47d | | | | | | Centrifuge System - Preparation for Process Startup |
| 2114 | TC10750 | Weightbridge System - System Commissioning | 1d 16-Jan-17 | 16-Jan-17 | 2d | 25-Feb-17 | 0% | -33d | | | | | | Weightbridge System - System Commissioning |
| 2115 | TC10850 | Vehicle Washing + Bunker Cleaning - System Commissioning | 1d 18-Jan-17 | 18-Jan-17 | 2d | 07-May-17 | 0% | -104d | | | | | | Vehicle Washing + Bunker Cleaning - System Commissioning |
| 2116 | TC10900 | Master Control System - SCADAPLC System - System Commissioning | 1d 19-Jan-17 | 19-Jan-17 | 1d | 09-May-17 | 0% | -52d | | | | | | Master Control System - SCADAPLC System - System Commissioning |
| 2117 | TC11200 | Ammonia Stripping Plant - System Commissions | 0d | 3d | 18-Mar-17 | 21-Mar-17 | 0% | -48d | | | | | | Ammonia Stripping Plant - System Commissions |
| 2118 | TC11210 | Butter Services System (Adsorption Chiller & Water System - Bldg 1 Loop) - System Commissions | 0d | 1d | 07-Apr-17 | 07-Apr-17 | 0% | -60d | | | | | | Butter Services System (Adsorption Chiller & Water System - Bldg 1 Loop) - System Commissions |
| 2119 | TC11220 | CENS - System Commissioning | 0d | 3d | 24-Feb-17 | 27-Feb-17 | 0% | -39d | | | | | | CENS - System Commissioning |
| 2120 | TC11220 | Fec3 Storage and Dosing System - System Commissioning | 0d | 3d | 03-Apr-17 | 06-Apr-17 | 0% | -59d | | | | | | Fec3 Storage and Dosing System - System Commissioning |
| 2121 | TC11240 | H2SO4 Storage and Dosing System - System Commissioning | 0d | 3d | 08-Apr-17 | 11-Apr-17 | 0% | -62d | | | | | | H2SO4 Storage and Dosing System - System Commissioning |
| 2122 | TC11280 | NaOCl Storage and Dosing System - System Commissioning | 0d | 3d | 11-Apr-17 | 13-Apr-17 | 0% | -64d | | | | | | NaOCl Storage and Dosing System - System Commissioning |
| 2123 | TC11270 | NaOH Storage and Dosing System - System Commissions | 0d | 4d | 13-Apr-17 | 20-Apr-17 | 0% | -48d | | | | | | NaOH Storage and Dosing System - System Commissions |
| 2124 | TC11220 | Treated Effluent System - System Commissions | 0d | 3d | 11-Apr-17 | 13-Apr-17 | 0% | -65d | | | | | | Treated Effluent System - System Commissions |
| 2125 | Process Startup, Process Commissioning & Plant Commissioning (with ERIC Approval) | | | | | | | | | | | | | |
| 2126 | PS00060 | Stripped Process Water Production | 14d 22-Oct-16 | 16-Mar-17 | 15d | 08-Aug-17 | 2d | -194d | | | | | | Stripped Process Water Production |
| 2127 | PS00060 | Heating System | 90d 22-Oct-16 | 19-Jan-17 | 110d | 21-Apr-17 | 0% | -201d | | | | | | Heating System |
| 2128 | PS00060 | Initialization of Aeration Digeste No 1 | 7d 22-Oct-16 | 26-Oct-16 | 5d | 21-Apr-17 | 0% | -182d | | | | | | Initialization of Aeration Digeste No 1 |
| 2129 | PS000150 | Digester (PRV + mixing & heating 1) (Seeding + Ramp up + 30 days stabilisation) | 14d 26-Oct-16 | 11-Nov-16 | 110d | 21-Apr-17 | 0% | -182d | | | | | | Digester (PRV + mixing & heating 1) |
| 2130 | PS000210 | AD 1 Full | 0d | 3d | 30-Apr-17 | 0d | 0% | -51d | | | | | | AD 1 Full |
| 2131 | PS000260 | Raw Process Water Production | 0d | 0d | 20-May-17 | 0% | -117d | | | | | | | Raw Process Water Production |
| 2132 | PS000310 | Stripped Process Water Production | 0d | 0d | 09-Jun-17 | 0% | -137d | | | | | | | Stripped Process Water Production |
| 2133 | PS000360 | Initialization of Aeration Digeste No 2 | 0d | 0d | 14-Jul-17 | 0% | -171d | | | | | | | Initialization of Aeration Digeste No 2 |
| 2134 | PS000410 | End of Ramp Up | 0d | 0d | 08-Jul-17 | 0% | -181d | | | | | | | End of Ramp Up |
| 2135 | PS000410 | Bogas to CHP | 0d | 0d | 08-Jul-17 | 0% | -181d | | | | | | | Bogas to CHP |
| 2136 | PS000460 | Plant Start-up Consultant | 0d | 0d | 08-Aug-17 | 0% | -182d | | | | | | | Plant Start-up Consultant |
| 2137 | PS000600 | Digester 1&PRV | 30d 20-Dec-16 | 01-May-17 | 30d | 28-Jun-17 | 0% | -132d | | | | | | Digester 1&PRV |
| 2138 | PS000600 | AD 2 Full | 0d | 0d | 0d | 0d | 0% | -51d | | | | | | AD 2 Full |

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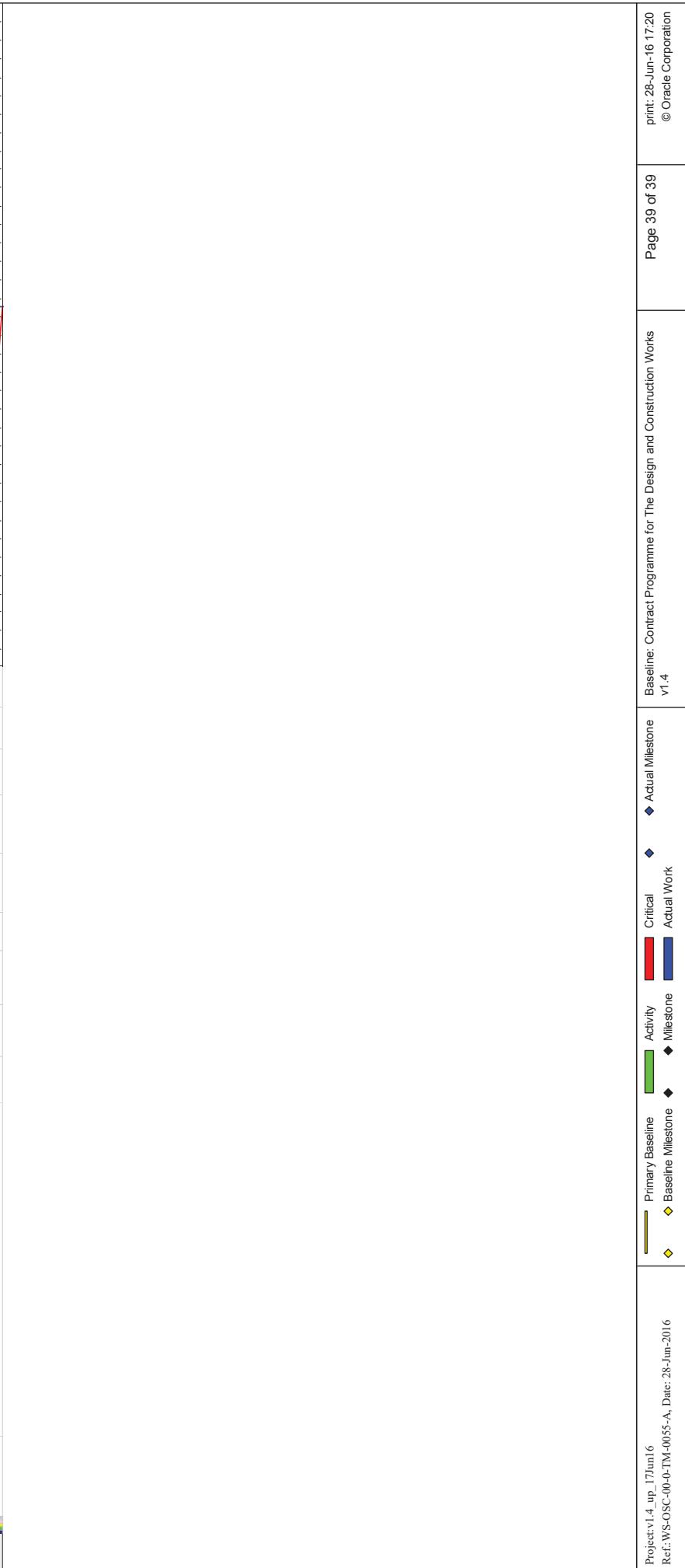
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Environmental Protection Department
of the HKSAR

Contract Programme Progress Updated on 17-Jun-16

Contract No. EP/SP/61/10

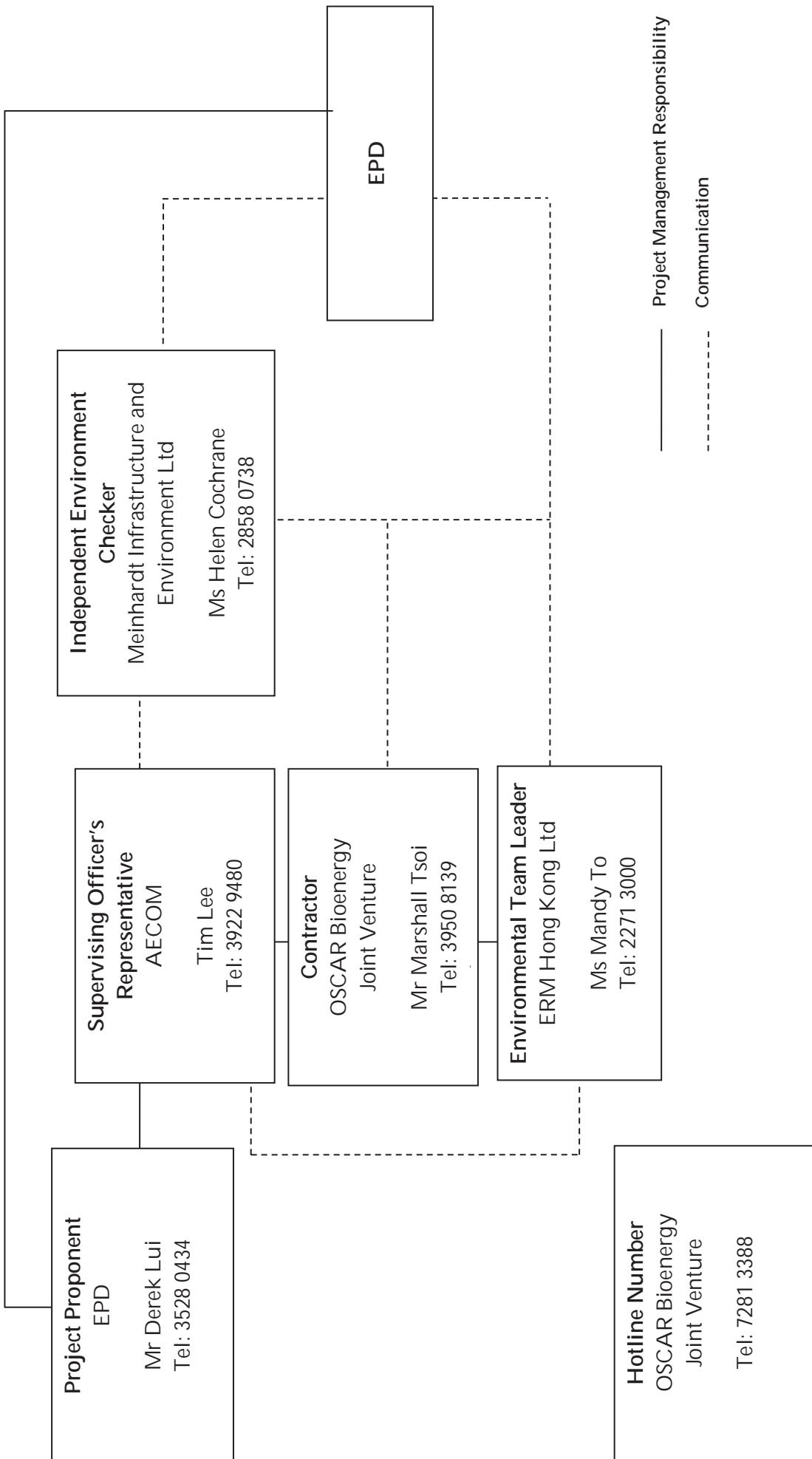
| # | Activity ID | Activity Name | Start Date | Duration | Remaining Duration | Status | End Date |
|------|--------------------------------|--|------------|-----------|--------------------|--------|-----------|
| 2139 | PS900750 | Digester 3 (FRP + healing 3 + moving 3) | 30d | 21-Dec-16 | 19-Jan-17 | 30d | 30-Jun-17 |
| 2140 | Process Startup | | 29d | 19-Dec-16 | 16-Jan-17 | 114d | 07-Aug-17 |
| 2141 | PS900420 | Start-Up of Pre-Treatment System | 0d | 19-Dec-16 | 16-Jan-17 | 15d | 30-Apr-17 |
| 2142 | PS900450 | Start-Up of Dewatering System | 15d | 19-Dec-16 | 02-Jan-17 | 15d | 21-May-17 |
| 2143 | PS900470 | Start-Up of Biogas to ELECTRICITY - CHP | 0d | 19-Dec-16 | 10-Jun-17 | 15d | 10-Jul-17 |
| 2144 | PS900480 | Start-Up of Biological Waste Water Plant | 0d | 19-Dec-16 | 10-Jun-17 | 15d | 10-Jul-17 |
| 2145 | PS900490 | Start-Up of CAFCS | 0d | 19-Dec-16 | 10-Jun-17 | 14d | 10-Jun-17 |
| 2146 | PS900500 | Start-Up of Composting System | 14d | 03-Jan-17 | 16-Jan-17 | 14d | 15-Jul-17 |
| 2147 | PS900510 | Start-Up of Vehicle Wash | 0d | 03-Jan-17 | 16-Jan-17 | 14d | 15-Jul-17 |
| 2148 | PS900520 | Start-Up of CEMS | 0d | 15-Feb-17 | 16-Mar-17 | 14d | 25-Jul-17 |
| 2149 | Pilot Commissioning | | 30d | 15-Feb-17 | 16-Mar-17 | 38d | 09-Aug-17 |
| 2150 | PS900000 | Process & Plant Commissioning | 30d | 15-Feb-17 | 16-Mar-17 | 38d | 09-Aug-17 |
| 2151 | PS900550 | Connection with the CLP Grid | 0d | 15-Feb-17 | 16-Mar-17 | 38d | 09-Aug-17 |
| 2152 | | | 0d | 15-Feb-17 | 16-Mar-17 | 38d | 09-Aug-17 |
| 2153 | COMPLETION OF THE WORKS | | | | | | |
| 2154 | | | 0d | 16-Mar-17 | 17-Mar-17 | 0d | 16-Sep-17 |
| 2155 | | | 0d | 16-Mar-17 | 17-Mar-17 | 0d | 16-Sep-17 |
| 2156 | | | 0d | 16-Mar-17 | 17-Mar-17 | 0d | 16-Sep-17 |
| 2157 | KD100360 | Completion of the Design and the Works including Testing and Commissioning (Extended Commencement Date of Design and | 0d | 17-Mar-17 | 16-Mar-17 | 0d | 16-Sep-17 |
| 2158 | KD100380 | Commissioning Date of Operation | 0d | 17-Mar-17 | 17-Sep-17 | 0d | 17-Sep-17 |



Annex D

Project Organization Chart with Contact Details

Project Organization During Construction Phase (with contact details)



Annex E

Implementation Schedule of Mitigation Measures

Annex E Summary of Mitigation Measures Implementation Schedule

| EIA Ref. | EM&A Log Ref. | Environmental Protection Measures | Location/ Timing | Status |
|---|---------------|---|--|--------|
| Summary of Environmental Mitigation Measures in the EIA and EM&A Manual | | | | |
| A. Air Quality | | | | |
| 3.73 | 2.5 | <p>Air Pollution Control (Construction Dust) Regulation & Good Site Practices</p> <ul style="list-style-type: none"> • Use of regular watering, with complete coverage, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather. • Use of frequent watering for particularly dusty construction areas and areas close to ASRs. • Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering should be applied to aggregate fines. • Open stockpiles should be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs. • Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. • Establishment and use of vehicle wheel and body washing facilities at the exit points of the site. • Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading points, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods. • Imposition of speed controls for vehicles on unpaved site roads. 8 kilometers per hour is the recommended limit. • Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs. • Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides. • Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed. • Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system. | Construction / Site Construction Period During <> | |
| B. Hazard to Life | | | | |
| 4.102 | 3.3 | Construction Phase | Construction Site / During | ✓ |

| EIA Ref. | EM&A Log Ref. | Environmental Protection Measures | Location/ Timing | Status |
|------------------|---------------|---|--|--------|
| | | <ul style="list-style-type: none"> The number of workers on site during construction stage should be kept at the same level as the assessment. Construction works should be suspended when delivery of chlorine takes place. 3m high fence should be constructed along the boundary facing the SHWWWTW. 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 SHWWWTW. The Contractor should establish a communication channel with the SHWWWTW operation personnel and FSD during construction stage. In case of any hazardous incidents in the treatment works, operation personnel of SHWWWTW 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 SHWWWTW is recommended. | Construction Period | |
| C. Water Quality | | | Construction Site / During Construction Period | |
| 5.44 | 4.5 | <p>Construction site run-off and general construction activities:</p> <p>The mitigation measures as outlined in the PROPECC PN 1/94 Construction Site Drainage should be adopted where applicable.</p> | ✓ | |
| 5.45 | 4.5 | <p>Excavation of Soil Materials</p> <p>The construction programme should be properly planned to minimise soil excavation, if any, 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</p> | Construction Site / During Construction Period | ✓ |

| EIA Ref. | EM&A Log Ref. | Environmental Protection Measures | Location/ Timing | Status |
|----------|---------------|--|--|--------|
| | | 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 | ✓ |
| 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 | ✓ |
| 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: <ul style="list-style-type: none"> • 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 | ✓ |

| EIA Ref. | EM&A Log Ref. | Environmental Protection Measures | Location/ Timing | Status |
|----------|---------------|--|--|--------|
| 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 any watercourse. A licensed waste collector should be deployed to clean the chemical toilets on a regular basis. | Work site/During the construction period | ✓ |
| 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 Period / Site During | ✓ |
| 5.53 | 4.5 | <u>Nullah Decking</u> To minimize the potential water quality impacts from the nullah reconstruction works, the practices outlined below should be adopted where applicable: <ul style="list-style-type: none"> The proposed works should be carried out within the dry season between October and March when the flow in the open nullah is low. The use of less or smaller construction plants may be specified to reduce the disturbance to the nullah bed. Temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from the nullah and any water courses during carrying out of the construction works. Stockpiling of construction materials and dusty materials should be covered and located away from the nullah any water courses. Construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nullah and nearby water receivers. Construction activities, which generate large amount of wastewater, should be carried out in a distance away from the nullah, where practicable. Construction effluent, site run-off and sewage should be properly collected and/or treated. Any works site inside the nullah should be temporarily isolated, such as by placing of sandbags or silt curtains with lead edge at bottom and properly supported props to prevent adverse impact on the water quality. Proper shoring may need to be erected in order to prevent soil/mud from slipping into the nullah and nearby watercourse. Supervisory staff should be assigned to station | Work Construction Period / Site During | N/A |

D. Waste Management

| EIA Ref. | EM&A Log Ref. | Environmental Protection Measures | Location/ Timing | Status |
|----------|---------------|---|---|--------|
| 6.41 | 5.4 | <p>Good Site Practices</p> <ul style="list-style-type: none"> • Obtain relevant waste disposal permits from appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354) and subsidiary Regulations and the Land (Miscellaneous Provisions) Ordinance (Cap. 28); • Provide staff training for proper waste management and chemical handling procedures; • Provide sufficient waste disposal points and regular waste collection; • Provide appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; • Carry out regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; • Separate chemical wastes for special handling and disposed of to licensed facility for treatment; and • Employ licensed waste collector to collect waste. | Work Construction Period / Site During | ✓ |
| 6.42 | 5.5 | <p><u>Waste Reduction Measures</u></p> <p>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:</p> <ul style="list-style-type: none"> • 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 | <p><u>Excavated and C&D Materials</u></p> <p>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:</p> <ul style="list-style-type: none"> • A WMP, which becomes part of the Environmental Management Plan (EMP), should be | Work Site/During Design & Construction Period | ✓ |

| EIA Ref. | EM&A Log Ref. | Environmental Protection Measures | Location/ Timing | Status |
|-------------------------|---------------|---|---|--------------|
| 6.45 – 6.46 | 5.8 – 5.9 | <p>prepared in accordance with ETWB TCW No.19/2005;</p> <ul style="list-style-type: none"> • 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). <p>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.</p> <p>A system should be devised to work for on-site sorting of excavated and C&D materials and promptly removing all sorted and process materials arising from the construction activities to minimize temporary stockpiling on-site. The system should be included in the EMP identifying the source of generation, estimated quantity, arrangement for on-site sorting, collection, temporary storage areas and frequency of collection by recycling Contractors or frequency of removal off-site.</p> | Work Site/During Design & Construction Period | ✓ |
| 6.47 | 5.10 | <u>Chemical Waste</u> <p>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.</p> | Work Site / Construction Period | <> During |
| 6.48 | 5.11 | <u>General Refuse</u> <p>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.</p> | Work Site / Construction Period | <> During |
| E. Landscape and Visual | | 7.99 & Table 6.1 Construction Phase | Work site/During Design & | ✓ |

| EIA Ref. | EM&A Log Ref. | Environmental Protection Measures | Location/ Timing | Status |
|-----------|---------------|--|--|--------|
| Table 7.7 | | <ul style="list-style-type: none"> • Topsoil, where identified, should be stripped and stored for re-use in the construction of the soft landscape works, where practical <ul style="list-style-type: none"> • Compensatory tree planting should be provided to compensate for felled trees. - Compensation tree species shall be chosen from both indigenous and ornamental species - Compensation 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 | Construction Stages | |
| F. | Noise | <p>8.25 7.3 Good Site Practice:</p> <ul style="list-style-type: none"> • Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program; • Mobile plant, if any, should be sited as far from noise sensitive receivers (NSRs) as possible; • Machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and • Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities. | Work site/ During Design & Construction Stages | ✓ |

Remark:

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

Annex F

Waste Flow Table

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

| Month | Actual Quantities of Inert C&D Materials Generated | | | | Actual Quantities of Non-inert C&D Materials (Construction Waste) Generated | | | | | | | | |
|----------------|--|------------------------|--------------------------|------------------------------------|---|---------------|-----------------------|----------|---------------------|---|-----------------------|----------------|--|
| | Total Quantity Generated | Reused in the Contract | Reused in other Projects | Hard Rocks & Large Broken Concrete | tonne | tonne | tonne | tonne | Metals (see Note 1) | Paper/ cardboard packaging (see Note 1) | Plastics (see Note 2) | Chemical Waste | Others, e.g. general refuse (see Note 3) |
| | | | | | | | | | 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 | 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 | 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 | 0.00 | 0.00 | 0.00 | 33.68 |
| August 2015 | 6557.25 | 0.00 | 0.00 | 0.00 | 6557.25 | 0.00 | 0.00 | 20.00 | 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 | 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 | 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 | 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 | 0.00 | 0.00 | 0.00 | 21.83 |
| January 2016 | 4601.43 | 0.00 | 0.00 | 0.00 | 4601.43 | 18140.00 | 50.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.86 |
| February 2016 | 4166.42 | 0.00 | 0.00 | 0.00 | 4166.42 | 510.00 | 79.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.57 |
| March 2016 | 299.92 | 41.28 | 0.00 | 0.00 | 258.64 | 22320.00 | 75.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.69 |
| April 2016 | 3186.37 | 98.37 | 0.00 | 0.00 | 3088.00 | 60690.00 | 77.00 | 0.00 | 0.00 | 255.00 | 0.00 | 0.00 | 37.63 |
| May 2016 | 1612.33 | 63.41 | 0.00 | 0.00 | 1548.92 | 13490.00 | 35.00 (See Note 4) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.76 |
| June 2016 | 1144.73 | 30.43 | 0.00 | 0.00 | 1114.30 | 14600.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 58.34 |
| Total | 41218.11 | 308.77 | 0 | 0 | 40909.34 | 173550 | 497 | 0 | 895 | 438.72 | | | |

- 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.
 - (4) Partial receipts were received on June 2016

Annex G

**Environmental Complaint,
Environmental Summons
and Persecution Log**

Annex G Cumulative Complaint and Summons/Prosecutions Log

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