

Annex C

Construction Programme of the Project

#	Activity ID	Activity Name	Start	Finish	Actual Start	Actual Finish	2015												2016												2017												2018											
							N	Dec	Jan	F	Mar	Apr	May	Jun	Jul	Aug	S	Oct	N	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	S	Oct	N	Dec	Jan	F	Mar	Apr	May	Jun	Jul	Aug	S	Oct	N	D	Jan	F	Mar	Apr	M	Jun	Jul	A	S	Oct
1	Contract No. EP/SP/61/10 - The Design & Construction Works																																																					
2	Preliminary and Site Establishment																																																					
3	ESum110	Preliminary and Site Establishment	20-Nov-14 A	19-Oct-16 A	20-Nov-14	19-Oct-16																																																
4	Design																																																					
5	ESum120	Design Criteria and Design Preparation	20-Nov-14 A	01-Sep-15 A	20-Nov-14	01-Sep-15																																																
6	ESum130	Detailed Design Submission (DDS) - General, Civil, ABWF and Landscape	18-Dec-14 A	27-Nov-17 A	18-Dec-14	27-Nov-17																																																
7	ESum132	Detailed Design Submission (DDS) - Building 1	13-Apr-15 A	27-Jul-16 A	13-Apr-15	27-Jul-16																																																
8	ESum134	Detailed Design Submission (DDS) - Building 2	12-Mar-15 A	07-Apr-16 A	12-Mar-15	07-Apr-16																																																
9	ESum136	Detailed Design Submission (DDS) - Building 3	20-Jul-15 A	30-Mar-16 A	20-Jul-15	30-Mar-16																																																
10	ESum138	Detailed Design Submission (DDS) - Auxilliary Buildings & Facilities	11-Feb-15 A	08-Aug-16 A	11-Feb-15	08-Aug-16																																																
11	ESum140	Detailed Design Submission (DDS) - E&M and BS	18-Dec-14 A	05-Mar-18 A	18-Dec-14	05-Mar-18																																																
12	Procurement																																																					
13	ESum150	Procurement, Manufacturing, F.A.T., Shipment & Delivery of E&M Systems Equipment	01-Mar-15 A	16-Apr-18 A	01-Mar-15																																																	
14	Construction																																																					
15	ESum160	Construction of Building #1 (Waste Receiving, Pre-treatment & Administration)	02-Sep-15 A	06-Sep-17 A	02-Sep-15	06-Sep-17																																																
16	ESum170	Construction of Building #2 (Composting & Maturation, and Link Bridge)	16-Jun-15 A	24-Mar-17 A	16-Jun-15	24-Mar-17																																																
17	ESum175	Construction of Building #3 (Energy Centre)	24-Mar-16 A	24-Oct-16 A	24-Mar-16	24-Oct-16																																																
18	ESum180	Construction of Auxilliary Buildings & Facilities	04-May-15 A	02-Sep-17 A	04-May-15	02-Sep-17																																																
19	ESum190	ABWF, Finishing and Fitting-out Works to Building #1, #2, #3 and Auxilliary Buildings & Facilities (excl. EEC)	21-Mar-16 A	14-Apr-18 A	21-Mar-16																																																	
20	ESum200	Sitewide, Boundary Wall and Roadworks	13-Nov-15 A	30-Apr-18 A	13-Nov-15																																																	
21	ESum210	Statutory and Utilities Works (excl. Lifting Platform) (this activity has no successor, it is considered as closed GRI)	02-Nov-16 A	31-Dec-17 A	02-Nov-16	31-Dec-17																																																
22	ESum215	Green Roof and Landscaping	20-Jan-18 A	30-Aug-18 A	20-Jan-18																																																	
23	E&M and Building Services Installation																																																					
24	ESum220	E&M Installation - Mechanical	11-May-16 A	15-Jun-18 A	11-May-16																																																	
25	ESum222	E&M Installation - Piping	28-Nov-16 A	30-Nov-17 A	28-Nov-16	30-Nov-17																																																
26	ESum224	E&M Installation - Electrical, Instrumentation & Control	28-Sep-16 A	14-May-18 A	28-Sep-16																																																	
27	ESum226	Building Services Installation (excl. EEC)	24-Jun-16 A	27-Jun-18 A	24-Jun-16																																																	
28	ESum230	Energisation of Switchboards / MCC with SAT	02-Feb-17 A	26-May-17 A	02-Feb-17	26-May-17																																																
29	Testing & Commissioning and Completion																																																					
30	ESum240	Pre-Commissioning	24-Apr-17 A	30-Jul-18 A	24-Apr-17																																																	
31	ESum241	System Commissioning	07-May-18 A	14-Aug-18 A																																																		
32	ESum250	Process Commissioning, Performance & Acceptance Testing	18-May-18 A	26-Sep-18 A																																																		
33	KD100360	Completion of the Design and the Works including Testing and Commissioning (Extended Completion Date: 10-Jun-2017 noon)		26-Oct-18																																																		
34	KD100380	Commencement of the Operation	27-Oct-18*																																																			

#	Activity ID	Activity Name	BL Project Duration	BL Project Start	BL Project Finish	Remaining Duration	Start	Finish	% Complete	Variance - BL Project Finish Date	2015												2016												2017												2018												
											N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N
1	Contract No. EP/SP/61/10 - The Design & Construction Works																																																										
2	Preliminary and Site Establishment																																																										
3	ESum110	Preliminary and Site Establishment	217	20-Nov-14	15-Aug-15	0	20-Nov-14 A	19-Oct-16 A	100%	-349																																																	
4	Design																																																										
5	ESum120	Design Criteria and Design Preparation	80	20-Nov-14	27-Feb-15	0	20-Nov-14 A	01-Sep-15 A	100%	-151																																																	
6	ESum130	Detailed Design Submission (DDS) - General, Civil, ABWF and Landscape	289	19-Dec-14	23-Feb-16	0	18-Dec-14 A	27-Nov-17 A	100%	-437																																																	
7	ESum132	Detailed Design Submission (DDS) - Building 1	151	21-Apr-15	25-Nov-15	0	13-Apr-15 A	27-Jul-16 A	100%	-164																																																	
8	ESum134	Detailed Design Submission (DDS) - Building 2	158	12-Mar-15	30-Oct-15	0	12-Mar-15 A	07-Apr-16 A	100%	-106																																																	
9	ESum136	Detailed Design Submission (DDS) - Building 3	103	03-Jun-15	29-Oct-15	0	20-Jul-15 A	30-Mar-16 A	100%	-102																																																	
10	ESum138	Detailed Design Submission (DDS) - Auxilliary Buildings & Facilities	177	10-Feb-15	29-Oct-15	0	11-Feb-15 A	08-Aug-16 A	100%	-191																																																	
11	ESum140	Detailed Design Submission (DDS) - E&M and BS	216	18-Dec-14	04-Nov-15	0	18-Dec-14 A	05-Mar-18 A	100%	-577																																																	
12	Procurement																																																										
13	ESum150	Procurement, Manufacturing, F.A.T., Shipment & Delivery of E&M Systems Equipment	507	12-Feb-15	02-Jul-16	25	01-Mar-15 A	11-May-18	99.94%	-678																																																	
14	Construction																																																										
15	ESum160	Construction of Building #1 (Waste Receiving, Pre-treatment & Administration)	178	19-Aug-15	23-Mar-16	0	02-Sep-15 A	06-Sep-17 A	100%	-431																																																	
16	ESum170	Construction of Building #2 (Composting & Maturation, and Link Bridge)	262	23-May-15	11-Apr-16	0	16-Jun-15 A	24-Mar-17 A	100%	-285																																																	
17	ESum175	Construction of Building #3 (Energy Centre)	87	30-Oct-15	15-Feb-16	0	24-Mar-16 A	24-Oct-16 A	100%	-205																																																	
18	ESum180	Construction of Auxilliary Buildings & Facilities	263	13-May-15	31-Mar-16	0	04-May-15 A	02-Sep-17 A	100%	-424																																																	
19	ESum190	ABWF, Finishing and Fitting-out Works to Building #1, #2, #3 and Auxilliary Buildings & Facilities (excl. EEC)	259	23-Dec-15	08-Nov-16	21	21-Mar-16 A	11-May-18	97.1%	-443																																																	
20	ESum200	Sitewide, Boundary Wall and Roadworks	326	02-Sep-15	07-Oct-16	34	13-Nov-15 A	28-May-18	98.5%	-482																																																	
21	ESum210	Statutory and Utilities Works (excl. Lifting Platform)	148	04-Mar-16	06-Oct-16	102	02-Nov-16 A	17-Aug-18	99.4%	-551																																																	
22	ESum215	Green Roof and Landscaping	129	29-Jul-16	31-Dec-16	135	20-Jan-18 A	26-Sep-18	3%	-513																																																	
23	E&M and Building Services Installation																																																										
24	ESum220	E&M Installation - Mechanical	164	04-Feb-16	25-Aug-16	50	11-May-16 A	15-Jun-18	99.6%	-533																																																	
25	ESum222	E&M Installation - Piping	144	24-May-16	12-Nov-16	0	28-Nov-16 A	30-Nov-17 A	100%	-311																																																	
26	ESum224	E&M Installation - Electrical, Instrumentation & Control	181	02-Apr-16	08-Nov-16	23	28-Sep-16 A	14-May-18	99.9%	-445																																																	
27	ESum226	Building Services Installation (excl. EEC)	125	18-Apr-16	14-Sep-16	59	24-Jun-16 A	27-Jun-18	86.9%	-525																																																	
28	ESum230	Energisation of Switchboards / MCC with SAT	1	28-Jul-16	28-Jul-16	0	02-Feb-17 A	26-May-17 A	100%	-244																																																	
29	Testing & Commissioning and Completion																																																										
30	ESum240	Pre-Commissioning	144	29-Jul-16	19-Jan-17	81	24-Apr-17 A	06-Jul-18	61.2%	-533																																																	
31	ESum241	System Commissioning	0			50	11-May-18	29-Jun-18	0%																																																		
32	ESum250	Process Commissioning, Performance & Acceptance Testing	119	22-Oct-16	16-Mar-17	127	23-May-18	26-Sep-18	0%	-559																																																	
33	KD100360	Completion of the Design and the Works including Testing and Commissioning (Extended Completion Date: 10-Jun-2017 noon)	0		16-Mar-17	0		26-Oct-18	0%	-589																																																	
34	KD100380	Commencement of the Operation	0	17-Mar-17		0	27-Oct-18*		0%	-588																																																	