

Annex A

Work Programme

WBS Path	Activity	Activity Name	ID	Start	End	Finish	Total Float	Predecessor Details	Successor Details	2018		2019		2020		2021		2022		2023	
										Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
329																					
330																					
331																					
332																					
333	SA2.5	Construction (Initial Works)	1163	12-Apr-18	07-Jun-21	756															
334	SA2.5.02	Advance Works & Site Establishment	1148	12-Apr-18	02-Jun-21	35															
335	SA2.5.02.01	Site Establishment & Mobilization	333	12-Apr-18	15-May-19	820															
336	5.02.01	S2-1000 Site Mobilization for Parts X1 & X2	30	31-Dec-18	29-Jan-19	820															
337	5.02.01	S2-1100 Site Mobilization for Parts X3, X4 & X5	30	12-Apr-18	11-May-18	1063															
338	5.02.01	S2-1200 Temporary Office for Employer / ERI/C	60	10-Oct-18	08-Dec-18	0															
339	5.02.01	S2-1300 Hoarding and Fencing Works	40	30-Jan-19	10-Mar-19	820															
339	SA2.5.02.02	Site Survey & Investigation Works for Parts X1 & X2	50	31-Dec-18	18-Feb-19	840															
340	5.02.02	S2-1400 Condition Survey	25	31-Dec-18	24-Jan-19	840															
341	5.02.02	S2-1500 Topographic Survey	20	31-Dec-18	19-Jan-19	845															
342	5.02.02	S2-1600 Site Inspection, Review of Condition Survey Report	25	25-Jan-19	18-Feb-19	840															
342	SA2.5.02.03	Site Survey & Investigation Works for Parts X3, X4 & X5	58	12-Apr-18	31-May-18	1163															
343	5.02.03	S2-1700 Condition Survey	25	12-Apr-18	06-May-18	1103															
344	5.02.03	S2-1800 Topographic Survey	20	12-Apr-18	01-May-18	1108															
345	5.02.03	S2-1900 Site Inspection, Review of Condition Survey Report	25	07-May-18	31-May-18	1103															
345	SA2.5.02.04	Environmental Monitoring	975	02-Oct-18	02-Jun-21	35															
346	5.02.04	S2-2000 Installation of Monitoring Stations & Waifs (GP 4 GVI)	120	02-Oct-18	29-Jan-19	0															
347	5.02.04	S2-2100 Installation of Monitoring Stations & Waifs (GP 4 GVI) on Butress Wall	120	02-Oct-18	29-Jan-19	0															
348	5.02.04	S2-2200 Conduct Baseline Monitoring for Construction (one month)	30	01-Dec-18	30-Dec-18	0															
349	5.02.04	S2-2300 Conduct Baseline Monitoring for Operation (one year)	365	03-Jun-20	02-Jun-21	35															
349	SA2.5.03	Civil Engineering Works	748	13-Jan-19	29-Jan-21	534															
350	SA2.5.03.01	Butress Wall	475	02-Apr-19	15-Jun-20	43															
351	5.03.01	S3-1000 Section adj. SENT	300	13-Apr-19	06-Feb-20	95															
352	5.03.01	S3-1100 Characterise SENT Landfill Gas Pipe	45	07-Feb-20	23-Mar-20	96															
353	5.03.01	S3-1200 Section at Cell 4	400	02-Mar-19	04-Apr-20	83															
354	5.03.01	S3-1300 Install Landfill Gas Pipe on Butress Wall	75	05-Apr-20	18-Jun-20	83															
354	SA2.5.03.01	Landfill Cell 1	503	13-Jan-19	29-May-20	214															
355	5.03.01	S3-1400 Earth bund (Eastern)	90	04-Aug-19	01-Nov-19	9															
356	5.03.01	S3-1500 Earth bund (Southern)	90	26-Apr-19	24-Jul-19	314															
357	5.03.01	S3-1600 Earth bund (Western)	90	13-Jan-19	12-Apr-19	417															
358	5.03.01	S3-1700 Interfill bund (Cell 1G)	75	13-Jan-19	28-Mar-19	432															
359	5.03.01	S3-1800 Site Formation	90	13-Jan-19	12-Apr-19	217															
360	5.03.01	S3-1900 Pump Station (PS#1X)	45	13-Apr-19	27-May-19	507															
361	5.03.01	S3-2000 Lining Works	135	02-Nov-19	15-Mar-20	214															
362	5.03.01	S3-2100 Protective Stone Laying & Leachate Collection Pipe	75	16-Mar-20	29-May-20	214															
363	5.03.01	S3-2200 Install Leachate Force Main	75	25-Jul-19	07-Oct-19	449															
364	5.03.01	S3-2300 Install Landfill Gas Pipe on earth bund	55	03-Nov-19	26-Dec-19	258															
365	5.03.01	S3-2400 Leachate Pipe Connection (Cell 1 to LTP)	30	09-Mar-20	07-Apr-20	206															
365	SA2.5.03.04	Landfill Cell 4	30	09-Jul-20	07-Aug-20	144															
366	5.03.04	S3-2500 Provide Temporary Leachate Pipe on Cell 4 Area	30	09-Jul-20	07-Aug-20	144															
367	SA2.5.03.05	Drainage - Surface Run-Off	740	16-Jan-19	31-Jan-21	859															
368	5.03.05	S3-2600 Construct Cut-Off Channel 12A	60	16-Jan-19	15-Mar-19	9															
369	5.03.05	S3-2700 Construct Cut-Off Channel 12A to DP6	20	17-Mar-19	05-Apr-19	9															
370	5.03.05	S3-2800 Diversion from Existing Trapezoidal Channel into Channel 12A	20	06-Apr-19	25-Apr-19	9															
371	5.03.05	S3-2900 Removal of Existing Trapezoidal Channel along Eastern Bund	30	26-Apr-19	25-May-19	9															
372	5.03.05	S3-3000 Cut-Off Channel G4 Diversion to Cut-Off Channel 11-2	45	16-Jan-19	01-Mar-19	83															
373	5.03.05	S3-3100 Cut-Off Channel X3 on Butress Wall Cell 4, Cell 3	90	05-Apr-20	03-Jul-20	289															
374	5.03.05	S3-3200 Temporary Diversion Cut-Off Channel X5 to 12A	20	04-Jul-20	23-Jul-20	289															
375	5.03.05	S3-3300 Culvert X5 (5m long) & Pile Connection of Cut-Off Channel X5	30	26-Dec-20	24-Jan-21	134															
376	5.03.05	S3-3400 Construct Penetrometer Channel X6 on Eastern Bund & Southern Bund of Cell 1	50	02-Nov-19	21-Dec-19	249															
377	5.03.05	S3-3500 Construct Penetrometer Channel X6 on Eastern Bund of Cell 2	50	20-Feb-20	08-Apr-20	189															
378	5.03.05	S3-3600 Construct Penetrometer Channel X6 Eastern Bund of Cell 3	50	06-Jun-20	26-Jul-20	129															
379	5.03.05	S3-3700 Culvert X6 (25m long) at Cell 1 Southern Bund	75	25-Jul-19	07-Oct-19	1314															
380	5.03.05	S3-3800 Penetrometer Channel (NBS) at Cell 1 Southern & Western Bund	45	25-Jul-19	07-Sep-19	1344															
381	5.03.05	S3-3900 Drop Inlet & Culvert (NS) - 21m long	180	29-Jul-20	24-Jan-21	129															
382	5.03.05	S3-4000 Sediment Trap (ST)	180	29-Jul-20	24-Jan-21	129															
383	5.03.05	S3-4100 Dual Culvert 14m long (connect to DP4)	180	29-Jul-20	24-Jan-21	129															
383	SA2.5.03.06	Drainage - Groundwater	200	26-May-19	11-Dec-19	259															
384	5.03.06	S3-4200 Construct Groundwater Collection Pipe along Cells X1 & X2 Eastern Bund	70	26-May-19	02-Aug-19	9															
385	5.03.06	S3-4300 Construct Groundwater Collection Pipe along Cell X3 Eastern Bund	50	04-Aug-19	22-Sep-19	159															
386	5.03.06	S3-4400 Construct Groundwater Collection Pipe along Interfill Bund X2(X3)	50	25-Sep-19	14-Nov-19	209															
387	5.03.06	S3-4500 Construct Manhole MH-X1	30	13-Nov-19	11-Dec-19	209															
387	SA2.5.03.07	Utilities - Distribution within New Infrastructure Area	391	11-Aug-19	04-Sep-20	276															
388	5.03.07	S3-4600 Power Supply HV Works (Transformer & HV switchgear)	5	30-Jun-20	04-Jul-20	0															
389	5.03.07	S3-4700 Power Distribution, LV Power Supply works	2	05-Jul-20	06-Jul-20	0															
390	5.03.07	S3-4800 Sewerage (Collection to LTP)	60	07-Jul-20	04-Sep-20	271															
391	5.03.07	S3-4900 Sewerage (Discharge to Site Boundary)	60	07-Jul-20	04-Sep-20	271															
392	5.03.07	S3-5000 Lighting Provision	30	07-Jul-20	05-Aug-20	6															
393	5.03.07	S3-5100 Fire Services	115	12-Mar-20	04-Jul-20	2															
394	5.03.07	S3-5200 Construct Penetrometer Channel X6 (Fresh & Salt)	118	13-Mar-20	04-Jul-20	338															

