

Annex A

## Work Programme

WBS Path	Activity	Activity Name	Dur	Start	Finish	Phase	Predecessor Details	Successor Details	2018		2019		2020		2021		2022		2023		
									Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
332	SA2.5	Construction (Initial Works)	1163	12-Apr-18	07-Jun-21	756															
333	SA2.5.02	Advance Works & Site Establishment	1148	12-Apr-18	02-Jun-21	35															
334	SA2.5.02.01	Site Establishment & Mobilization	333	12-Apr-18	15-May-19	820															
335	5.02.01	52-1000 Site Mobilization for Parts X1 & X2	30	31-Dec-18	20-Jan-19	820	11-1100 FS, 11-1200 FS	53-1300 FS, M.3.1, FS, M.2, FS													
336	5.02.01	52-1100 Site Mobilization for Parts X3, X4 & X5	30	12-Apr-18	11-May-18	1063	11-1300 FS, 11-1400 FS, 11-1500 FS	52-1300 FS, M.3.1, FF													
337	5.02.01	52-1200 Temporary Office for Employer / ERI/C	60	10-Oct-18	08-Dec-18	0	23-1300 FS	11-1700 FS, M.3.1, FS													
338	5.02.01	52-1300 Hoarding and Fencing Works	40	30-Jan-19	10-Mar-19	820	52-1000 FS, 52-1100 FS	32-1500 FS, M10.1, FS, 26, M10.2, FS, 13, M10.3, FS													
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	52-1400 Condition Survey	25	31-Dec-18	24-Jan-19	840	11-1100 FS, 11-1200 FS	52-1600 FS													
341	5.02.02	52-1500 Topographic Survey	20	31-Dec-18	19-Jan-19	845	11-1100 FS, 11-1200 FS	52-1600 FS													
342	5.02.02	52-1600 Site Inspection, Review of Condition Survey Report	25	25-Jan-19	18-Feb-19	840	52-1500 FS, 52-1600 FS	52-1500 FS													
343	SA2.5.02.03	Site Survey & Investigation Works for Parts X3, X4 & X5	58	12-Apr-18	31-May-18	1103															
344	5.02.03	52-1700 Condition Survey	25	12-Apr-18	06-May-18	1103	11-1300 FS, 11-1400 FS, 11-1500 FS	53-1900 FS													
345	5.02.03	52-1800 Topographic Survey	20	12-Apr-18	01-May-18	1108	11-1300 FS, 11-1400 FS, 11-1500 FS	52-1900 FS													
346	5.02.03	52-1900 Site Inspection, Review of Condition Survey Report	25	07-May-18	31-May-18	1103	52-1700 FS, 52-1800 FS	32-1500 FS													
347	SA2.5.02.04	Environmental Monitoring	975	02-Oct-18	02-Jun-21	35															
348	5.02.04	52-2000 Installation of Monitoring Stations & Waits (SP & DVI)	120	02-Oct-18	20-Jan-19	0	23-1600 FS	52-2200 SS 60													
349	5.02.04	52-2100 Installation of Monitoring Stations & Waits (SP & DVI) on Butress Wall	120	02-Oct-18	20-Jan-19	0	23-1600 FS	52-2200 SS 60													
350	5.02.04	52-2200 Conduct Baseline Monitoring for Construction (one month)	30	01-Dec-18	30-Dec-18	0	52-2000 SS 60, 52-2100 SS 60	11-1100 FS													
351	5.02.04	52-2300 Conduct Baseline Monitoring for Operation (one year)	365	03-Jun-20	02-Jun-21	35	32-1500 FS, 400, 53-4500 FS	12-1400 FS													
352	SA2.5.03	Civil Engineering Works	748	13-Jan-19	29-Jan-21	634															
353	SA2.5.03.01	Butress Wall	475	02-Apr-19	03-Jun-20	48															
354	5.03.01	53-1000 Section w/d, SENT	300	13-Apr-19	06-Feb-20	96	11-1300 FS, 23-2500 FS, 53-3000 FS, 31-1200 FS, 11-1400 FS	53-1100 FS, 53-1300 FS, 53-1100 FS, M.3.5, FS, 150, M.3.7, FS													
355	5.03.01	53-1100 Characterise SENT Landfill Gas Pipe	45	07-Feb-20	23-Mar-20	96	53-1000 FS	53-1300 FS, 54-4000 FS, M.3.7, FS, 3													
356	5.03.01	53-1200 Section at Cell 4	400	02-Mar-19	04-Apr-20	83	11-1300 FS, 23-2500 FS, 53-3000 FS, 11-1400 FS	53-1300 FS, 53-1100 FS, M.3.7, FS, M.3.6, FS, 200													
357	5.03.01	53-1300 Install Landfill Gas Pipe on Butress Wall	75	05-Apr-20	18-Jun-20	83	41-1600 FS, 53-1100 FS, 53-1200 FS, 53-1300 FS	54-4000 FS													
358	SA2.5.03.01	Landfill Cell 1	503	13-Jan-19	29-May-20	214															
359	5.03.01	53-1400 Earth bund (Eastern)	90	04-Aug-19	01-Nov-19	9	11-1100 FS, 23-2500 FS, 53-4200 FS, 53-2800 FS	53-2000 FS, 53-2200 FS, 53-3800 FS, 53-1000 FS, 63-1100 FS, 63-1200 FS, 63-1300 FS, M.4.2, FS													
360	5.03.01	53-1500 Earth bund (Southern)	90	26-Apr-19	24-Jul-19	314	11-1100 FS, 23-2500 FS, 53-2800 FS	53-2000 FS, 53-2200 FS, 53-2300 FS, 53-3400 FS, 53-3700 FS, 53-3800 FS													
361	5.03.01	53-1600 Earth bund (Western)	90	13-Jan-19	12-Apr-19	417	11-1100 FS, 23-2500 FS	53-2000 FS													
362	5.03.01	53-1700 Interfill bund (Cell 1G)	75	13-Jan-19	28-Mar-19	432	11-1100 FS, 23-2500 FS	53-2000 FS													
363	5.03.01	53-1800 Site Formation	90	13-Jan-19	12-Apr-19	217	11-1100 FS, 23-2500 FS, 31-1300 FS	53-1900 FS, 63-1100 FS, 63-1200 FS, 63-1300 FS, M.4.1, FS, 45													
364	5.03.01	53-1900 Pump Station (PS#1X)	45	13-Apr-19	27-May-19	507	53-1800 FS, 53-1600 FS	53-2100 FS, 53-2200 FS													
365	5.03.01	53-2000 Lining Works	135	02-Nov-19	15-Mar-20	214	41-1500 FS, 53-1400 FS, 53-1500 FS, 53-1600 FS	53-1700 FS													
366	5.03.01	53-2100 Protective Store Laying & Leachate Collection Pipe	75	16-Mar-20	29-May-20	214	53-2000 FS, 41-1500 FS, 53-1900 FS	32-1500 FS, 54-2800 FS, M.4.3, FS													
367	5.03.01	53-2200 Install Leachate Force Main	75	25-Jul-19	07-Oct-19	449	53-1500 FS, 53-1600 FS, 53-1900 FS	54-2800 FS													
368	5.03.01	53-2300 Install Landfill Gas Pipe on earth bund	55	03-Nov-19	26-Dec-19	258	41-1500 FS, 53-1400 FS, 53-1500 FS	54-2800 FS													
369	5.03.01	53-2400 Leachate Pipe Connection (Cell 1 to LTP)	30	09-Mar-20	07-Apr-20	266	23-2500 FS, 54-1000 SS	54-2800 FS													
370	SA2.5.03.04	Landfill Cell 4	30	09-Jul-20	07-Aug-20	144															
371	5.03.04	53-2500 Provide Temporary Leachate Pipe on Cell 4 Area	30	09-Jul-20	07-Aug-20	144	23-2500 FS, 53-2600 SS 90	54-2800 FS, M.3.3, FS													
372	SA2.5.03.05	Drainage - Surface Run-Off	740	16-Jan-19	24-Jun-21	859															
373	5.03.05	53-2600 Construct Cut-Off Channel 12A	60	16-Jan-19	18-Mar-19	9	11-1100 FS, 23-2500 FS	53-2700 FS													
374	5.03.05	53-2700 Construct Cut-Off Channel 12A to DP6	20	17-Mar-19	05-Apr-19	9	53-2600 FS, 31-1400 FS, 23-1900 FS	53-2800 FS													
375	5.03.05	53-2800 Diversion from Existing Trapezoidal Channel into Channel 12A	20	06-Apr-19	25-Apr-19	9	53-2700 FS	53-1400 FS, 53-1500 FS, 53-2900 FS, 63-1000 FS, 63-1100 FS, M.3.3, FS													
376	5.03.05	53-2900 Removal of Existing Trapezoidal Channel along Eastern Bund	30	26-Apr-19	25-May-19	9	53-2800 FS	53-4200 FS													
377	5.03.05	53-3000 Cut-Off Channel 04 Diversion to Cut-Off Channel 11-2	45	16-Jan-19	01-Mar-19	83	11-1300 FS, 23-2800 FS	53-1000 FS, 53-1200 FS													
378	5.03.05	53-3100 Cut-Off Channel X5 on Butress Wall, Cell 4, Cell 3	90	05-Apr-20	03-Jul-20	289	53-1000 FS, 53-1200 FS	53-3200 FS													
379	5.03.05	53-3200 Temporary Diversion Cut-Off Channel X5 to 12A	20	04-Jul-20	23-Jul-20	289	53-3100 FS, 23-1900 FS	53-3300 FS, M.3.4, FS													
380	5.03.05	53-3300 Culvert X5 (5m long) & Perm Connection of Cut-Off Channel X5	30	26-Dec-20	24-Jan-21	134	53-4100 FF, 63-1900 FS, 53-3200 FS	32-1500 FS													
381	5.03.05	53-3400 Construct Perimeter Channel X6 on Eastern Bund & Southern Bund of Cell 1	50	02-Nov-19	21-Dec-19	249	53-4000 FS, 53-1900 FS	53-3000 FS													
382	5.03.05	53-3500 Construct Perimeter Channel X6 on Eastern Bund of Cell 2	50	20-Feb-20	08-Apr-20	189	63-1000 FS, 63-1100 FS	53-3600 FS													
383	5.03.05	53-3600 Construct Perimeter Channel X6 Eastern Bund of Cell 3	50	06-Jun-20	26-Jul-20	129	63-1900 FS, 53-3900 FS	53-3900 FS													
384	5.03.05	53-3700 Culvert X6 (25m long) at Cell 1 Southern Bund	75	25-Jul-19	07-Oct-19	1314	53-4500 FS														
385	5.03.05	53-3800 Perimeter Channel (WB) at Cell 1 Southern & Western Bund	45	25-Jul-19	07-Sep-19	1344	53-4500 FS, 53-1600 FS														
386	5.03.05	53-3900 Drop Inlet & Culvert (PS) - 21m long	180	29-Jul-20	24-Jan-21	129	11-1100 FS, 23-1900 FS, 53-3600 FS	53-4000 FF, 53-4100 FF, 53-6000 FS, M.3.1, FS, 90, M.3.2, FS													
387	5.03.05	53-4000 Sediment Trap (ST)	180	29-Jul-20	24-Jan-21	129	11-1100 FS, 23-1900 FS, 11-2200 FS, 53-3900 FF	53-6000 FS, M.3.3, FS, 90, M.3.4, FS													
388	5.03.05	53-4100 Dual Culvert 14m long (connect to DP4)	180	29-Jul-20	24-Jan-21	129	11-1100 FS, 11-1200 FS, 23-1900 FS, 53-3900 FF	53-3200 FF, 53-6000 FS, M.3.1, FS, 90, M.3.2, FS													
389	SA2.5.03.06	Drainage - Groundwater	200	26-May-19	11-Dec-19	269															
390	5.03.06	53-4200 Construct Groundwater Collection Pipe along Cells X1 & X2 Eastern Bund	70	26-May-19	02-Aug-19	9	11-1100 FS, 23-1600 FS, 53-2900 FS	53-4200 FS, 53-4300 FS, 63-1000 FS, 63-1300 FS													
391	5.03.06	53-4300 Construct Groundwater Collection Pipe along Cell X3 Eastern Bund	50	04-Aug-19	22-Sep-19	159	53-4200 FS	53-4400 FS, 63-1900 FS													

