

Environmental Monitoring Report

Project No. 42173-013
Semi-Annual Report
July 2021

Bangladesh: Dhaka Environmentally Sustainable Water Supply Project (Part B)

Prepared by Project Management Unit (PMU) & Management Design and Supervision
Consultant (MDSC), DESWSP, DWASA for the Asian Development Bank.

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Activity ID	Activity Name	Activity Count	Rebaseline Duration	At Completion Duration	Start	Finish	2018												2019												2020												2021												2022												2023												2024											
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D																
E-CV4-2942	W82: Rev.B- (FW+RX) with CN : Review > Update > IFC by JV	1	10	10	01-Apr-21 A	14-Apr-21 A																																																																																				
E-CV4-3212	W35: Rev.B- (FW+RX) with CN : Review > Update > IFC by JV	1	10	10	01-Apr-21 A	14-Apr-21 A																																																																																				
E-CV4-3272	W71: Rev.B- (FW+RX) with CN : Review > Update > IFC by JV	1	10	10	01-Apr-21 A	14-Apr-21 A																																																																																				
E-CV4-2852	W72: Rev.B- (FW+RX) with CN : Review > Update > IFC by JV	1	10	10	16-Apr-21 A	29-Apr-21 A																																																																																				
E-CV4-2882	W73: Rev.B- (FW+RX) with CN : Review > Update > IFC by JV	1	10	10	16-Apr-21 A	29-Apr-21 A																																																																																				
E-CV4-3032	W91: Rev.B- (FW+RX) with CN : Review > Update > IFC by JV	1	10	10	03-May-21	14-May-21																																																																																				
SITE FACILITIES																																																																																										
E-CVAV-0851	All Sites - Design Of The Construction Site Facilities	1	62	62	12-Sep-18 A	10-Dec-18 A																																																																																				
S-CVAV-1590	Client Validation Of The Design For The Site Facilities	1	15	15	10-Dec-18 A	28-Dec-18 A																																																																																				
S-CVAV-1591	Modifs Given By Client On The Design For The Site Facilities	1	10	10	31-Dec-18 A	11-Jan-19 A																																																																																				
INTAKE																																																																																										
I10- OFFSHORE INTAKE																																																																																										
E-CV4-0982	>i10: INTAKE OFFSHORE : Calculat* Notes + FormWorks DWGS- Rev.A	1	64	64	04-Mar-19 A	31-May-19 A																																																																																				
E-CV4-0981	i10: INTAKE OFFSHORE / FOUNDATIONS- Calculat* Notes & DWGS- by GEOS for JV	1	41	41	13-May-19 A	09-Jul-19 A																																																																																				
E-CV4-1982	i10: INTAKE OFFSHORE / FOUNDATIONS- Calculat* Notes & DWGS- Review > Update > IFC by JV	1	51	51	09-Jul-19 A	17-Sep-19 A																																																																																				
E-CV4-0975	>i10: INTAKE OFFSHORE : (FW+RX) with CN (constraint due to EXTERNAL CONTRACTOR)	1	156	156	08-Nov-19 A	15-Jun-20 A																																																																																				
E-CV4-0976	i10: INTAKE OFFSHORE : (FW+RX&CN) Review > Update > IFC by JV	1	2	2	16-Dec-19 A	17-Dec-19 A																																																																																				
I20- PUMPING STATION COMPLETE																																																																																										
E-CV4-0931	>i20: INTAKE RWPS : VERTICALS / Rev.A- FW with CN	1	31	31	18-Apr-19 A	31-May-19 A																																																																																				
E-CV4-1050	>i20: INTAKE RWPS : RAFTS / Rev.A (FW & RX) with CN	1	106	106	18-Apr-19 A	12-Sep-19 A																																																																																				
E-CV4-0919	i00: INTAKE SUPERSTRUCT- Foundation- Calculat* Notes & DWGS / Of FormWorks & Reinforcements	1	47	47	13-May-19 A	17-Jul-19 A																																																																																				
E-CV4-0920	i00: INTAKE ONSHORE : FOUNDATIONS- Calculat* Notes & DWGS- Update & IFC by DSM s/cntr for JV	1	29	29	17-Jul-19 A	26-Aug-19 A																																																																																				
E-CV4-0925	>i20: INTAKE RWPS : VERTICALS / Rev.B- (FW+RX) with CN	1	212	212	04-Nov-19 A	25-Aug-20 A																																																																																				
E-CV4-1051	i20: INTAKE RWPS : RAFTS / Rev.A- (FW+RX) with CN : Review > Update > IFC	1	90	90	25-Dec-19 A	29-Apr-20 A																																																																																				
E-CV4-0926	i20: INTAKE RWPS : VERTICALS / Rev.B- (FW+RX) with CN : Review > Update > IFC	1	2	2	24-Aug-20 A	25-Aug-20 A																																																																																				
PLANT																																																																																										
W20- DENSADEG SUPERSTRUCTURE																																																																																										
E-CV-P-1073	>W20: DENSADEG- FormWorks - Preliminary DWGS	1	186	186	10-Jan-19 A	27-Sep-19 A																																																																																				
E-CV-P-1067	>W20: DENSADEG- Calculat* Notes & DWGS / Of FormWorks & Reinforcements	1	430	430	25-Jun-19 A	15-Feb-21 A																																																																																				
E-CV-P-1068	W20: DENSADEG- (FW+RX) with CN : Review > Update > IFC by JV	1	8	8	16-Feb-21 A	25-Feb-21 A																																																																																				
W40- WTP RESERVOIR																																																																																										
E-CV-P-0853	W00: PLANT RESERVOIR- Foundation - Calculat* Notes & DWGS / Of FormWorks & Reinforcements	1	43	43	12-Sep-18 A	12-Nov-18 A																																																																																				
E-CV-P-0854	W00: WTP / FOUNDATIONS : Calculat* Notes & DWGS- Update & IFC by DSM s/cntr for JV	1	50	50	12-Nov-18 A	21-Jan-19 A																																																																																				
E-CV-P-0871	>W40: RESERVOIR / VERTICALS : Rev.A ONLY - (FW+RX) with CN	1	272	272	11-Jan-19 A	27-Jan-20 A																																																																																				
E-CV-P-1060	>W40: RESERVOIR / RAFTS : Rev.A ONLY - (FW+RX) with CN	1	120	120	11-Jan-19 A	28-Jun-19 A																																																																																				
E-CV-P-1061	W40: RESERVOIR / RAFTS : Rev.A- ONLY - (FW+RX) with CN : Review > Update > IFC by JV	1	50	50	28-Jun-19 A	05-Sep-19 A																																																																																				
E-CV-P-0872	W40: RESERVOIR / VERTICALS : Rev.A- ONLY - (FW+RX) with CN : Review > Update > IFC by JV	1	101	101	11-Oct-19 A	28-Feb-20 A																																																																																				
W30- HYDRAULIC SUPERSTRUCTURES																																																																																										
E-CV-P-0866	>W30: Rev.A- FW with CN	1	187	187	10-May-19 A	27-Jan-20 A																																																																																				
E-CV-P-0859	>W30: Rev.B- (FW+RX) with CN	1	226	226	20-May-20 A	31-Mar-21 A																																																																																				
E-CV-P-0860	W30: Rev.B- (FW+RX) with CN : Review > Update > IFC by JV	1	10	10	01-Apr-21 A	14-Apr-21 A																																																																																				
EIC-ELECTRICAL / INSTRUM / CONTROL																																																																																										
ELECTRICITY																																																																																										
DIAGRAMS																																																																																										
E-EC-V-5000	LV MCC typical diagrams	1	66	66	01-Jun-20 A	31-Aug-20 A																																																																																				
E-EC-V-5002	Control philosophy concerning power management	1	8	8	07-Jul-20 A	17-Jul-20 A																																																																																				
E-EC-V-6500	Control , instrumentation diagrams (generated from Aveva)	1	179	179	24-Jul-20 A	31-Mar-21 A																																																																																				
E-EC-V-5001	LV Connection diagrams	1	262	262	18-Jan-21 A	18-Jan-22																																																																																				
CALCULATION NOTES																																																																																										
E-EC-V-6240	MV calculation note	1	266	266	25-Mar-20 A	31-Mar-21 A																																																																																				
E-EC-V-6260	Load balance MV and LV (active, reactive...)	1	93	93	25-Mar-20 A	31-Jul-20 A																																																																																				
E-EC-V-6230	External MV cable routing (sleeve & ladder calculation)	1	77	77	01-Jun-20 A	15-Sep-20 A																																																																																				
E-EC-V-6250	Lightning study	1	219	219	22-Jun-20 A	22-Apr-21 A																																																																																				
E-EC-V-6220	Calculation for heat dissipation for electrical equipments	1	34	34	01-Sep-20 A	16-Oct-20 A																																																																																				
E-EC-V-6270	LV cables calculation (motors, MCC)	1	128	128	01-Sep-20 A	25-Feb-21 A																																																																																				

RE-BASELINE	REMAINING	RE-BASELINE MILESTONE	CRITICAL MILESTONE	% PROGRESS
ACTUAL	CRITICAL REM.	NORMAL MILESTONE	ACTUAL MILESTONE	LEVEL OF EFFORT

Date	Revision	Checked	Approved
25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH



G01 (48M + 348 DAYS EOT, DD: 25 APR 21) REBASELINE DETAIL TIME PROGRAM

B-001464_GWT_TM_G00_WS_9001
(FULL)



Activity ID	Activity Name	Activity Count	Rebaseline Duration	At Completion Duration	Start	Finish	2018							2019							2020							2021							2022							2023							2024																														
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
PO 13 - M051 WTP VERTICAL SHAFT MIXER																																																																															
P-ME-M49-1030	Issue of PO	1	0	0		18-May-20 A																																																																									
P-ME-M49-1040	Vendors Data Available	1	0	0		11-Sep-20 A																																																																									
P-ME-M49-1050	Fabrication & Ex Works	1	737	737	12-Sep-20 A	18-Sep-22																																																																									
P-ME-M49-1060	FCA	1	0	0		18-Sep-22																																																																									
P-ME-M49-1070	Transport & Custom Clearance	1	90	90	19-Sep-22	17-Dec-22																																																																									
P-ME-M49-1080	Available on Site (AOS)	1	0	0		17-Dec-22																																																																									
P-ME-M51-1000	Spec. & RFQ Ready for Quotation	1	0	0		14-Feb-19 A																																																																									
P-ME-M51-1010	Consultation, Data Analysis & Placement of PO	1	221	221	15-Feb-19 A	23-Sep-19 A																																																																									
P-ME-M51-1020	RFP	1	0	0		17-Sep-19 A																																																																									
P-ME-M51-1030	Issue of PO	1	0	0		23-Sep-19 A																																																																									
P-ME-M51-1040	Vendors Data Available	1	0	0		28-Feb-20 A																																																																									
P-ME-M51-1050	Fabrication & Ex Works	1	855	855	28-Feb-20 A	01-Jul-22																																																																									
P-ME-M51-1060	FCA	1	0	0		01-Jul-22																																																																									
P-ME-M51-1070	Transport & Custom Clearance	1	90	90	02-Jul-22	29-Sep-22																																																																									
P-ME-M51-1080	Available on Site (AOS)	1	0	0		29-Sep-22																																																																									
PO 14 - M054 WTP SURGE VESSELS																																																																															
P-ME-M54-1000	Spec. & RFQ Ready for Quotation	1	0	0		14-Mar-20 A																																																																									
P-ME-M54-1010	Consultation, Data Analysis & Placement of PO	1	74	74	15-Mar-20 A	28-May-20 A																																																																									
P-ME-M54-1020	RFP	1	0	0		21-May-20 A																																																																									
P-ME-M54-1030	Issue of PO	1	0	0		28-May-20 A																																																																									
P-ME-M54-1040	Vendors Data Available	1	0	0		01-Jul-20 A																																																																									
P-ME-M54-1050	Fabrication & Ex Works	1	833	833	02-Jul-20 A	12-Oct-22																																																																									
P-ME-M54-1060	FCA	1	0	0		12-Oct-22																																																																									
P-ME-M54-1070	Transport & Custom Clearance	1	90	90	13-Oct-22	10-Jan-23																																																																									
P-ME-M54-1080	Available on Site (AOS)	1	0	0		10-Jan-23																																																																									
PO 15 - M058 CHLORINATION PACKAGE (INCL. NEUTRALIZATION)																																																																															
P-ME-M58-1000	Spec. & RFQ Ready for Quotation	1	0	0		05-Apr-19 A																																																																									
P-ME-M58-1010	Consultation, Data Analysis & Placement of PO	1	261	261	06-Apr-19 A	22-Dec-19 A																																																																									
P-ME-M58-1020	RFP	1	0	0		15-Dec-19 A																																																																									
P-ME-M58-1030	Issue of PO	1	0	0		22-Dec-19 A																																																																									
P-ME-M58-1040	Vendors Data Available	1	0	0		01-Jun-20 A																																																																									
P-ME-M58-1050	Fabrication & Ex Works	1	826	826	02-Jun-20 A	05-Sep-22																																																																									
P-ME-M58-1060	FCA	1	0	0		05-Sep-22																																																																									
P-ME-M58-1070	Transport & Custom Clearance	1	90	90	06-Sep-22	04-Dec-22																																																																									
P-ME-M58-1080	Available on Site (AOS)	1	0	0		04-Dec-22																																																																									
PO 16 - M001 MOBILE LIFTING & HANDLING EQUIPMENT																																																																															
P-ME-M01-1000	Spec. & RFQ Ready for Quotation	1	0	0		25-Mar-20 A																																																																									
P-ME-M01-1010	Consultation, Data Analysis & Placement of PO	1	181	181	26-Mar-20 A	22-Sep-20 A																																																																									
P-ME-M01-1020	RFP	1	0	0		15-Sep-20 A																																																																									
P-ME-M01-1030	Issue of PO	1	0	0		22-Sep-20 A																																																																									
P-ME-M01-1040	Vendors Data Available	1	0	0		19-Nov-20 A																																																																									
P-ME-M01-1050	Fabrication & Ex Works	1	675	675	20-Nov-20 A	25-Sep-22																																																																									
P-ME-M01-1060	FCA	1	0	0		25-Sep-22																																																																									
P-ME-M01-1070	Transport & Custom Clearance	1	30	30	26-Sep-22	25-Oct-22																																																																									
P-ME-M01-1080	Available on Site (AOS)	1	0	0		25-Oct-22																																																																									
PO 17 - M027, M028, M040, M041 INTAKE HOIST & TROL., INTAKE JIB CRANES, WTP HOIT. & TROL., M027 INTAKE HOISTS & TROLLEYS																																																																															
P-ME-M27-1000	Spec. & RFQ Ready for Quotation	1	0	0		10-Aug-19 A																																																																									
P-ME-M27-1010	Consultation, Data Analysis & Placement of PO	1	302	302	11-Aug-19 A	08-Jun-20 A																																																																									
P-ME-M27-1020	RFP	1	0	0		01-Jun-20 A																																																																									
P-ME-M27-1030	Issue of PO	1	0	0		08-Jun-20 A																																																																									
P-ME-M27-1040	Vendors Data Available	1	0	0		12-Aug-20 A																																																																									
P-ME-M27-1050	Fabrication & Ex Works	1	780	780	13-Aug-20 A	01-Oct-22																																																																									
P-ME-M27-1060	FCA	1	0	0		01-Oct-22																																																																									

RE-BASELINE REMAINING ACTUAL CRITICAL REM.	RE-BASELINE MILESTONE CRITICAL MILESTONE NORMAL MILESTONE ACTUAL MILESTONE	% PROGRESS symbol"/> % PROGRESS LEVEL OF EFFORT	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Date</th> <th>Revision</th> <th>Checked</th> <th>Approved</th> </tr> <tr> <td>25-Apr-21</td> <td>G01</td> <td>ABDUL MATIN</td> <td>NOUR-EDDINE MESBAH</td> </tr> </table>	Date	Revision	Checked	Approved	25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH
Date	Revision	Checked	Approved								
25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH								



G01 (48M + 348 DAYS EOT, DD: 25 APR 21) REBASELINE DETAIL TIME PROGRAM

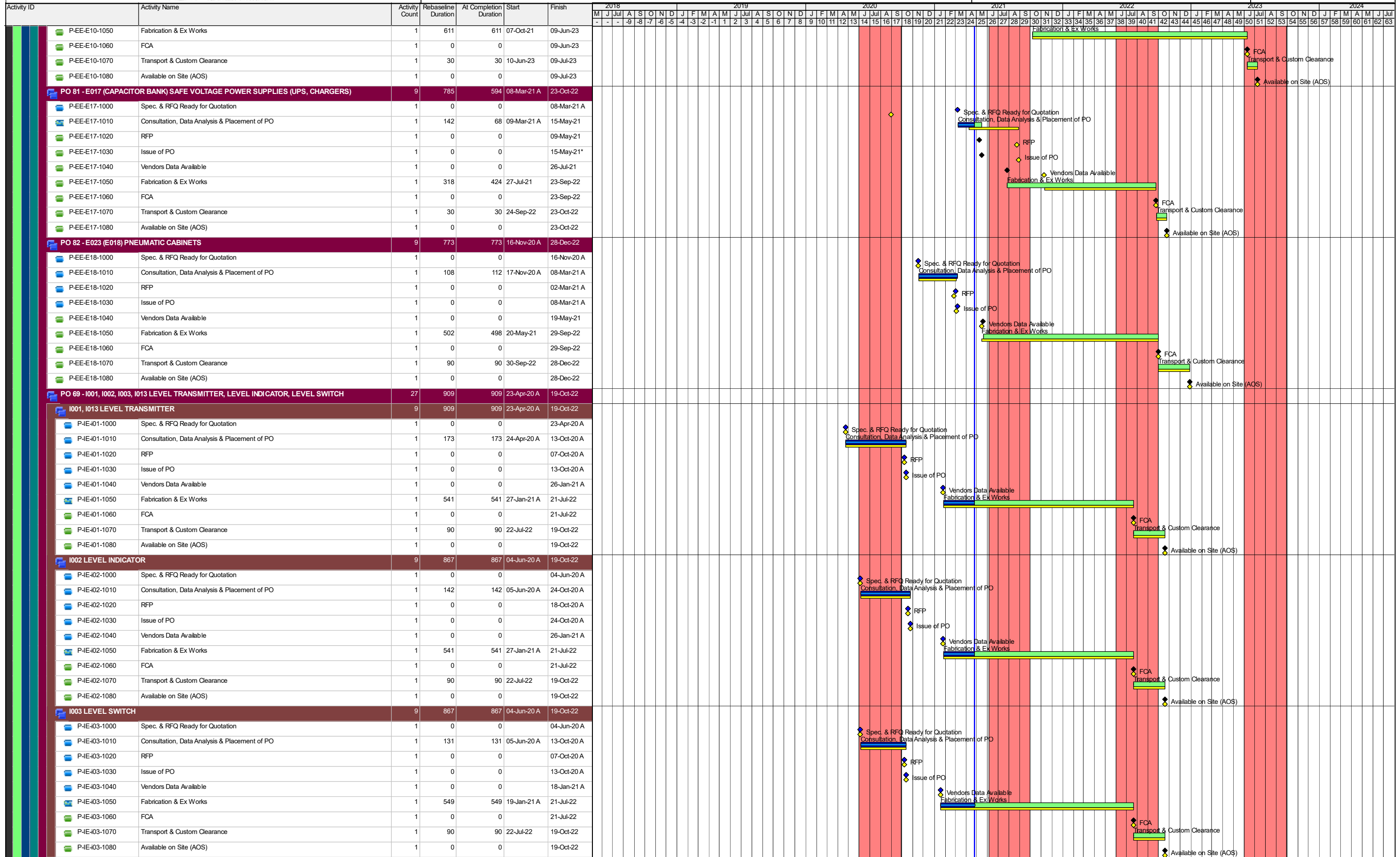
B-001464_GWT_TM_G00_WS_9001
(FULL)



Activity ID	Activity Name	Activity Count	Rebaseline Duration	At Completion Duration	Start	Finish	Timeline (2018-2024)																																																																																																																																																																																																																																																																																																																																															
							2018							2019							2020							2021							2022						2023						2024																																																																																																																																																																																																																																																																																																							
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
P-ME-M02-1080	Available on Site (AOS)	1	0	0		24-Dec-22																																																																																																																																																																																																																																																																																																																																																
PO 38 - M101 FIRE FIGHTING PACKAGE																																																																																																																																																																																																																																																																																																																																																						
P-ME-M101-1000	Spec. & RFQ Ready for Quotation	1	0	0	01-Jun-21	05-Jan-23																																																																																																																																																																																																																																																																																																																																																
P-ME-M101-1010	Consultation, Data Analysis & Placement of PO	1	120	59	02-Jun-21	30-Jul-21																																																																																																																																																																																																																																																																																																																																																
P-ME-M101-1020	RFP	1	0	0	24-Jul-21																																																																																																																																																																																																																																																																																																																																																	
P-ME-M101-1030	Issue of PO	1	0	0	30-Jul-21*																																																																																																																																																																																																																																																																																																																																																	
P-ME-M101-1040	Vendors Data Available	1	0	0	10-Sep-21																																																																																																																																																																																																																																																																																																																																																	
P-ME-M101-1050	Fabrication & Ex Works	1	452	452	11-Sep-21	06-Dec-22																																																																																																																																																																																																																																																																																																																																																
P-ME-M101-1060	FCA	1	0	0	06-Dec-22																																																																																																																																																																																																																																																																																																																																																	
P-ME-M101-1070	Transport & Custom Clearance	1	30	30	07-Dec-22	05-Jan-23																																																																																																																																																																																																																																																																																																																																																
P-ME-M101-1080	Available on Site (AOS)	1	0	0		05-Jan-23																																																																																																																																																																																																																																																																																																																																																
PO 39 - M043 SAFETY SHOWERS																																																																																																																																																																																																																																																																																																																																																						
P-ME-M43-1000	Spec. & RFQ Ready for Quotation	1	0	0	18-Feb-20 A	18-Feb-20 A																																																																																																																																																																																																																																																																																																																																																
P-ME-M43-1010	Consultation, Data Analysis & Placement of PO	1	10	10	19-Feb-20 A	28-Feb-20 A																																																																																																																																																																																																																																																																																																																																																
P-ME-M43-1020	RFP	1	0	0	21-Feb-20 A																																																																																																																																																																																																																																																																																																																																																	
P-ME-M43-1030	Issue of PO	1	0	0	28-Feb-20 A																																																																																																																																																																																																																																																																																																																																																	
P-ME-M43-1040	Vendors Data Available	1	0	0	01-Jun-20 A																																																																																																																																																																																																																																																																																																																																																	
P-ME-M43-1050	Fabrication & Ex Works	1	836	836	02-Jun-20 A	15-Sep-22																																																																																																																																																																																																																																																																																																																																																
P-ME-M43-1060	FCA	1	0	0	15-Sep-22																																																																																																																																																																																																																																																																																																																																																	
P-ME-M43-1070	Transport & Custom Clearance	1	45	45	16-Sep-22	30-Oct-22																																																																																																																																																																																																																																																																																																																																																
P-ME-M43-1080	Available on Site (AOS)	1	0	0		30-Oct-22																																																																																																																																																																																																																																																																																																																																																
PO 40 - M055, M056 FILTER MEDIA - SAND, FILTER MEDIA - GRAVEL																																																																																																																																																																																																																																																																																																																																																						
M055 FILTER MEDIA - SAND																																																																																																																																																																																																																																																																																																																																																						
P-ME-M55-1000	Spec. & RFQ Ready for Quotation	1	0	0	15-Feb-20 A	15-Feb-20 A																																																																																																																																																																																																																																																																																																																																																
P-ME-M55-1010	Consultation, Data Analysis & Placement of PO	1	570	570	16-Feb-20 A	07-Sep-21																																																																																																																																																																																																																																																																																																																																																
P-ME-M55-1020	RFP	1	0	0	01-Sep-21																																																																																																																																																																																																																																																																																																																																																	
P-ME-M55-1030	Issue of PO	1	0	0	07-Sep-21*																																																																																																																																																																																																																																																																																																																																																	
P-ME-M55-1040	Vendors Data Available	1	0	0	18-Nov-21																																																																																																																																																																																																																																																																																																																																																	
P-ME-M55-1050	Fabrication & Ex Works	1	344	344	19-Nov-21	28-Oct-22																																																																																																																																																																																																																																																																																																																																																
P-ME-M55-1060	FCA	1	0	0	28-Oct-22																																																																																																																																																																																																																																																																																																																																																	
P-ME-M55-1070	Transport & Custom Clearance	1	30	30	29-Oct-22	27-Nov-22																																																																																																																																																																																																																																																																																																																																																
P-ME-M55-1080	Available on Site (AOS)	1	0	0		27-Nov-22																																																																																																																																																																																																																																																																																																																																																
M056 FILTER MEDIA - GRAVEL																																																																																																																																																																																																																																																																																																																																																						
P-ME-M56-1000	Spec. & RFQ Ready for Quotation	1	0	0	28-Feb-20 A	28-Feb-20 A																																																																																																																																																																																																																																																																																																																																																
P-ME-M56-1010	Consultation, Data Analysis & Placement of PO	1	557	557	29-Feb-20 A	07-Sep-21																																																																																																																																																																																																																																																																																																																																																
P-ME-M56-1020	RFP	1	0	0	01-Sep-21																																																																																																																																																																																																																																																																																																																																																	
P-ME-M56-1030	Issue of PO	1	0	0	07-Sep-21*																																																																																																																																																																																																																																																																																																																																																	
P-ME-M56-1040	Vendors Data Available	1	0	0	18-Nov-21																																																																																																																																																																																																																																																																																																																																																	
P-ME-M56-1050	Fabrication & Ex Works	1	344	344	19-Nov-21	28-Oct-22																																																																																																																																																																																																																																																																																																																																																
P-ME-M56-1060	FCA	1	0	0	28-Oct-22																																																																																																																																																																																																																																																																																																																																																	
P-ME-M56-1070	Transport & Custom Clearance	1	30	30	29-Oct-22	27-Nov-22																																																																																																																																																																																																																																																																																																																																																
P-ME-M56-1080	Available on Site (AOS)	1	0	0		27-Nov-22																																																																																																																																																																																																																																																																																																																																																
PO 41 - M062 FILTER NOZZLES																																																																																																																																																																																																																																																																																																																																																						
P-ME-M62-1000	Spec. & RFQ Ready for Quotation	1	0	0	13-Dec-19 A	13-Dec-19 A																																																																																																																																																																																																																																																																																																																																																
P-ME-M62-1010	Consultation, Data Analysis & Placement of PO	1	133	133	14-Dec-19 A	24-Apr-20 A																																																																																																																																																																																																																																																																																																																																																
P-ME-M62-1020	RFP	1	0	0	17-Apr-20 A																																																																																																																																																																																																																																																																																																																																																	
P-ME-M62-1030	Issue of PO	1	0	0	24-Apr-20 A																																																																																																																																																																																																																																																																																																																																																	
P-ME-M62-1040	Vendors Data Available	1	0	0	24-Jul-20 A																																																																																																																																																																																																																																																																																																																																																	
P-ME-M62-1050	Fabrication & Ex Works	1	538	538	25-Jul-20 A	13-Jan-22																																																																																																																																																																																																																																																																																																																																																
P-ME-M62-1060	FCA	1	0	0	13-Jan-22																																																																																																																																																																																																																																																																																																																																																	
P-ME-M62-1070	Transport & Custom Clearance	1	90	90	14-Jan-22	13-Apr-22																																																																																																																																																																																																																																																																																																																																																
P-ME-M62-1080	Available on Site (AOS)	1	0	0		13-Apr-22																																																																																																																																																																																																																																																																																																																																																
PO 42 - M064 DENSADEG LAMELLAR MODULES AND ACCESSORIES																																																																																																																																																																																																																																																																																																																																																						
P-ME-M64-1000	Spec. & RFQ Ready for Quotation	1	0	0	26-Jul-19 A	30-Aug-22																																																																																																																																																																																																																																																																																																																																																
P-ME-M64-1010	Consultation, Data Analysis & Placement of PO	1	216	216	27-Jul-19 A	27-Feb-20 A																																																																																																																																																																																																																																																																																																																																																

	RE-BASELINE		REMAINING		RE-BASELINE MILESTONE		CRITICAL MILESTONE		% PROGRESS		LEVEL OF EFFORT
	ACTUAL		CRITICAL REM.		NORMAL MILESTONE		ACTUAL MILESTONE				

Date	Revision	Checked	Approved
25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH





G01 (48M + 348 DAYS EOT, DD: 25 APR 21)

REBASELINE DETAIL TIME PROGRAM

B-001464_GWT_TM_G00_WS_9001 (FULL)



Activity ID	Activity Name	Activity Count	Rebaseline Duration	At Completion Duration	Start	Finish	2018							2019							2020							2021							2022							2023							2024																													
							M	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
PO 72 - 1009 ANALYZERS																																																																														
P-E-109-1000	Spec. & RFQ Ready for Quotation	1	0	0	04-Jun-20 A	19-Oct-22															Spec. & RFQ Ready for Quotation																																																									
P-E-109-1010	Consultation, Data Analysis & Placement of PO	1	151	151	04-Jun-20 A	02-Nov-20 A								Consultation, Data Analysis & Placement of PO																																																																
P-E-109-1020	RFP	1	0	0	26-Oct-20 A	02-Nov-20 A								RFP																																																																
P-E-109-1030	Issue of PO	1	0	0	02-Nov-20 A	04-Feb-21 A								Issue of PO																																																																
P-E-109-1040	Vendors Data Available	1	0	0	04-Feb-21 A	21-Jul-22								Vendors Data Available																																																																
P-E-109-1050	Fabrication & Ex Works	1	532	532	05-Feb-21 A	21-Jul-22								Fabrication & Ex Works																																																																
P-E-109-1060	FCA	1	0	0	21-Jul-22	21-Jul-22								FCA																																																																
P-E-109-1070	Transport & Custom Clearance	1	90	90	22-Jul-22	19-Oct-22								Transport & Custom Clearance																																																																
P-E-109-1080	Available on Site (AOS)	1	0	0	19-Oct-22	19-Oct-22								Available on Site (AOS)																																																																
PO 73 - 1010, 1011 TEMPERATURE TRANSMITTER, TEMPERATURE SWITCH																																																																														
I010 TEMPERATURE TRANSMITTER																																																																														
P-E-110-1000	Spec. & RFQ Ready for Quotation	1	0	0	27-Mar-20 A	23-Nov-20 A								Spec. & RFQ Ready for Quotation																																																																
P-E-110-1010	Consultation, Data Analysis & Placement of PO	1	240	240	28-Mar-20 A	23-Nov-20 A								Consultation, Data Analysis & Placement of PO																																																																
P-E-110-1020	RFP	1	0	0	16-Nov-20 A	23-Nov-20 A								RFP																																																																
P-E-110-1030	Issue of PO	1	0	0	23-Nov-20 A	10-Feb-21 A								Issue of PO																																																																
P-E-110-1040	Vendors Data Available	1	0	0	10-Feb-21 A	21-Jul-22								Vendors Data Available																																																																
P-E-110-1050	Fabrication & Ex Works	1	526	526	11-Feb-21 A	21-Jul-22								Fabrication & Ex Works																																																																
P-E-110-1060	FCA	1	0	0	21-Jul-22	21-Jul-22								FCA																																																																
P-E-110-1070	Transport & Custom Clearance	1	90	90	22-Jul-22	19-Oct-22								Transport & Custom Clearance																																																																
P-E-110-1080	Available on Site (AOS)	1	0	0	19-Oct-22	19-Oct-22								Available on Site (AOS)																																																																
PO 74 - 1012 PRESSURE SWITCHES																																																																														
P-E-112-1000	Spec. & RFQ Ready for Quotation	1	0	0	27-Mar-20 A	25-Sep-20 A								Spec. & RFQ Ready for Quotation																																																																
P-E-112-1010	Consultation, Data Analysis & Placement of PO	1	182	182	28-Mar-20 A	25-Sep-20 A								Consultation, Data Analysis & Placement of PO																																																																
P-E-112-1020	RFP	1	0	0	18-Sep-20 A	25-Sep-20 A								RFP																																																																
P-E-112-1030	Issue of PO	1	0	0	25-Sep-20 A	16-Feb-21 A								Issue of PO																																																																
P-E-112-1040	Vendors Data Available	1	0	0	16-Feb-21 A	21-Jul-22								Vendors Data Available																																																																
P-E-112-1050	Fabrication & Ex Works	1	520	520	17-Feb-21 A	21-Jul-22								Fabrication & Ex Works																																																																
P-E-112-1060	FCA	1	0	0	21-Jul-22	21-Jul-22								FCA																																																																
P-E-112-1070	Transport & Custom Clearance	1	90	90	22-Jul-22	19-Oct-22								Transport & Custom Clearance																																																																
P-E-112-1080	Available on Site (AOS)	1	0	0	19-Oct-22	19-Oct-22								Available on Site (AOS)																																																																
PO 75 - A001 SPECIFICATION OF KEY EQUIPMENT - SCADA SYSTEM																																																																														
P-AE-A01-1000	Spec. & RFQ Ready for Quotation	1	0	0	27-Nov-20 A	24-Apr-21 A								Spec. & RFQ Ready for Quotation																																																																
P-AE-A01-1010	Consultation, Data Analysis & Placement of PO	1	133	148	28-Nov-20 A	24-Apr-21 A								Consultation, Data Analysis & Placement of PO																																																																
P-AE-A01-1020	RFP	1	0	0	18-Apr-21 A	24-Apr-21 A								RFP																																																																
P-AE-A01-1030	Issue of PO	1	0	0	24-Apr-21 A	03-Jul-21								Issue of PO																																																																
P-AE-A01-1040	Vendors Data Available	1	0	0	03-Jul-21	25-Sep-22								Vendors Data Available																																																																
P-AE-A01-1050	Fabrication & Ex Works	1	304	449	04-Jul-21	25-Sep-22								Fabrication & Ex Works																																																																

<div style="display: flex; justify-content: space-between;"> RE-BASELINE REMAINING RE-BASELINE MILESTONE CRITICAL MILESTONE % PROGRESS </div>	<div style="display: flex; justify-content: space-between;"> ACTUAL CRITICAL REM. NORMAL MILESTONE ACTUAL MILESTONE LEVEL OF EFFORT </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Revision</th> <th>Checked</th> <th>Approved</th> </tr> </thead> <tbody> <tr> <td>25-Apr-21</td> <td>G01</td> <td>ABDUL MATIN</td> <td>NOUR-EDDINE MESBAH</td> </tr> </tbody> </table>	Date	Revision	Checked	Approved	25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH	Page 36 of 57 P6 R 19.12.0 ©Oracle Corporation
Date	Revision	Checked	Approved								
25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH								



G01 (48M + 348 DAYS EOT, DD: 25 APR 21) REBASELINE DETAIL TIME PROGRAM

B-001464_GWT_TM_G00_WS_9001
(FULL)



Activity ID	Activity Name	Activity Count	Rebaseline Duration	At Completion Duration	Start	Finish	2018							2019							2020							2021							2022							2023							2024																																										
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
PO 80 - M063 RWP VALVES PORTABLE ACTUATOR																																																																																											
P-ME-M63-1000	Spec. & RFQ Ready for Quotation	1	0	0	15-Mar-20 A	29-Aug-21																																																																																					
P-ME-M63-1010	Consultation, Data Analysis & Placement of PO	1	64	64	16-Mar-20 A	18-May-20 A																																																																																					
P-ME-M63-1020	RFP	1	0	0	11-May-20 A																																																																																						
P-ME-M63-1030	Issue of PO	1	0	0	18-May-20 A																																																																																						
P-ME-M63-1040	Vendors Data Available	1	0	0	24-Oct-20 A																																																																																						
P-ME-M63-1050	Fabrication & Ex Works	1	219	219	25-Oct-20 A	31-May-21																																																																																					
P-ME-M63-1060	FCA*	1	0	0	31-May-21																																																																																						
P-ME-M63-1070	Transport & Custom Clearance	1	90	90	01-Jun-21	29-Aug-21																																																																																					
P-ME-M63-1080	Available on Site (AOS)	1	0	0	29-Aug-21																																																																																						
GEOTECHNICAL INVESTIGATION & TOPO SURVEY																																																																																											
B-CV4-0025	i: Intake Geotechnical investigation and reports (as per Section 6 Part 09) / Calculation / Obtaining approvals	1	104	104	01-Sep-18 A	31-Dec-18 A																																																																																					
B-CV-P-0227	P: WTP Geotechnical investigation and reports (as per Section 6 Part 09) / Calculation / Obtaining approvals	1	104	104	01-Sep-18 A	31-Dec-18 A																																																																																					
B-CV-L-0668	D02-01: Topographical Survey For RWP Pipelines	1	174	174	06-May-19 A	25-Nov-19 A																																																																																					
CONSTRUCTION																																																																																											
RW INTAKE																																																																																											
TEMPORARY WORKS & SITE FACILITIES																																																																																											
EARTHWORKS & SITE FACILITIES																																																																																											
A0000003.1	TEMPORARY WORKS & SITE FACILITIES - INTAKE	1	736	807	31-May-19 A	27-Dec-21																																																																																					
EARTHWORKS FOR SITE FACILITIES																																																																																											
TEMPORARY QUAYS																																																																																											
B-CV4-1047	i:QA: INTAKE - Tempo quay for unloading barges (heavy equipment, materials, pipes / transport by river) - Intms01	1	42	42	22-Aug-19 A	09-Oct-19 A																																																																																					
SITE CLEARING & EARTHWORK																																																																																											
B-CV4-0031	i: INTAKE Jungle clearance For Employer / JV : 3.250 m2 / Levelling of ground / Site grading	1	11	11	31-May-19 A	12-Jun-19 A																																																																																					
B-CV4-0036	i: INTAKE Jungle clearance For CW s/contr : 33.250m2 Levelling of ground / Site grading	1	11	11	31-May-19 A	12-Jun-19 A																																																																																					
B-CV4-0062	i: Jungle clearance : Intake site Platform- 13.000 m2	1	12	12	31-May-19 A	13-Jun-19 A																																																																																					
B-CV4-0446	i: Jungle clearance : Access dyke To Intake-Site (from KHAL to site gate)- 3.000 m2	1	12	12	31-May-19 A	13-Jun-19 A																																																																																					
B-CV4-0032	i: INTAKE For Employer / JV : Embankment, 3.250m² on top , 12.000 m3	1	36	36	17-Jun-19 A	27-Jul-19 A																																																																																					
B-CV4-0037	i: Embankment INTAKE For CW s/contr : 44.590 m3 backfilled up to +7.20m FGL (included)- Intms02	1	182	182	29-Jul-19 A	25-Feb-20 A																																																																																					
CONSTRUCTION OF SITE FACILITIES																																																																																											
B-CV4-1057	i:QA: Temporary Bridge On KHAL for Early Access to INTAKE Site	1	42	42	22-Aug-19 A	09-Oct-19 A																																																																																					
B-CV4-0027	i: INTAKE / TEMPO- Connection to utilities	1	131	131	21-Sep-19 A	20-Feb-20 A																																																																																					
B-CV4-0033	i: INTAKE For Employer / JV : Supply and construction of 6*Temporary site buildings	1	105	105	21-Sep-19 A	21-Jan-20 A																																																																																					
B-CV4-0034	i: INTAKE Tempo- Car park (15 vehicles) with access track	1	99	99	21-Sep-19 A	14-Jan-20 A																																																																																					
B-CV4-0035	i: INTAKE Tempo- Rental of storage area out of site (email from MDa 16/10)	1	108	108	21-Sep-19 A	24-Jan-20 A																																																																																					
B-CV4-0038	i: INTAKE For CW s/contr : Supply and construction of Temporary site buildings, to be detailed	1	135	135	21-Sep-19 A	25-Feb-20 A																																																																																					
B-CV4-0042	i: INTAKE Tempo- hing plants (This includes the Certification Of Concrete Formulation)	1	133	133	21-Sep-19 A	22-Feb-20 A																																																																																					
B-CV4-0047	i: INTAKE Tempo- Site utilities (connection to existing NW / mobile system / ...)	1	127	127	21-Sep-19 A	15-Feb-20 A																																																																																					
ARRANGEMENT FOR PERMANENT CONSTRUCTION																																																																																											
B-CV4-0039	i: INTAKE Tempo- Storage yard	1	160	160	21-Sep-19 A	25-Mar-20 A																																																																																					
B-CV4-0040	i: INTAKE Tempo- Reinforcement cutting, bending and stacking yard	1	160	160	21-Sep-19 A	25-Mar-20 A																																																																																					
B-CV4-0041	i: INTAKE Tempo- Footbridge superstructure fabrication/assembly area	1	639	710	21-Sep-19 A	27-Dec-21																																																																																					
B-CV4-0043	i: INTAKE Tempo- Coarse and fine aggregate storage area	1	160	160	21-Sep-19 A	25-Mar-20 A																																																																																					
B-CV4-0044	i: INTAKE Tempo- Fuel storage tanks	1	82	82	21-Sep-19 A	25-Dec-19 A																																																																																					
B-CV4-0029	i: INTAKE Instal- Tower cranes (Not Required)	1	20	20	02-Mar-20 A	25-Mar-20 A																																																																																					
PERMANENT CONSTRUCTION																																																																																											
A0000003.2	PERMANENT CONSTRUCTION - INTAKE	1	1281	1281	03-Aug-19 A	05-Sep-23																																																																																					
TEMPORARY CORRIDOR ACCESS PLATFORM																																																																																											
B-CV4-CR-0058	i:CR: INTAKE T.OFFSHORE/CORRIDOR - Backfilling between sheetpiles to +4.5mPWD (above water level)	1	25	25	12-Dec-19 A	09-Jan-20 A																																																																																					
B-CV4-CR-0656	i:CR: INTAKE T.Onshore Backfilling to +7.5mPWD Post To DSMix Part 01	1	192	192	06-Mar-20 A	15-Oct-20 A																																																																																					
GROUND IMPROVEMENT AT INTAKE																																																																																											
B-CV4-02-1067	i20: INTAKE- ONSHORE : 1st Excavation & Bed Preparation for DSM	1	78	78	03-Aug-19 A	01-Nov-19 A																																																																																					
B-CV4-1595	i: DSM Trial Tests @ INTAKE	1	24	24	11-Nov-19 A	09-Dec-19 A																																																																																					
B-CV4-02-0068	i20: DSM at INTAKE Onshore Area	1	89	89	13-Dec-19 A	25-Mar-20 A																																																																																					
OFFSHORE INTAKE STRUCTURE (10)																																																																																											

RE-BASELINE	REMAINING	RE-BASELINE MILESTONE	CRITICAL MILESTONE	% PROGRESS	Date	Revision	Checked	Approved
ACTUAL	CRITICAL REM.	NORMAL MILESTONE	ACTUAL MILESTONE	LEVEL OF EFFORT	25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH



G01 (48M + 348 DAYS EOT, DD: 25 APR 21)

REBASELINE DETAIL TIME PROGRAM

B-001464_GWT_TM_G00_WS_9001
(FULL)



Activity ID	Activity Name	Activity Count	Rebaseline Duration	At Completion Duration	Start	Finish	2018												2019												2020												2021												2022												2023												2024																								
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
RAW WATER FLOW MEASUREMENT CHAMBER (i30)																																																																																																							
SHEETPILES																																																																																																							
B-CV4-06-0054	i30: INTAKE Tempo- Sheetpile Wall For 06 Flow Measur. Chamb	1	0	0	20-Nov-20 A	20-Nov-20 A																																																																																																	
B-CV4-06-0065	i30: 06- Excavation including dewatering - 460 m3	1	8	8	20-Nov-20 A	29-Nov-20 A																																																																																																	
CIVIL WORKS																																																																																																							
B-CV4-06-0117	i30: i30: RW Measur.Chamber- RCC base slab, 1.0m thickness	1	21	21	30-Nov-20 A	23-Dec-20 A																																																																																																	
B-CV4-06-0118	i30: Vertical RC elements (walls, posts, ...)	1	33	33	24-Dec-20 A	20-Mar-21 A																																																																																																	
B-CV4-06-0119	i30: 06- Horizontal RC elements (beams, floors, roofs, ...)	1	35	23	20-Apr-21 A	15-May-21																																																																																																	
B-CV4-06-0120	i30: 06- Concrete finishings - joint treatment / rendering / painting / ...	1	10	10	17-May-21	27-May-21																																																																																																	
B-CV4-06-0121	i30: Metal works	1	15	15	28-May-21	14-Jun-21																																																																																																	
B-CV4-06-0523	i30: i30: MEASUREMENT- RFE-INT.06- Civil Works Hand Over / Ready For Erection- Intms07	1	0	0	14-Jun-21	14-Jun-21																																																																																																	
CROSS CONNECTION VALVE CHAMBER (i40)																																																																																																							
SHEETPILES																																																																																																							
B-CV4-16-0055	i40: INTAKE Tempo- Sheetpile Wall For 16 Valv.Chamber (ground retaining system), sheet piles PU 32, 19.2m height	1	10	10	04-Mar-21 A	15-Mar-21 A																																																																																																	
B-CV4-16-0066	i40: 16- Excavation including dewatering - 1,250 m3	1	10	3	18-Mar-21 A	20-Mar-21 A																																																																																																	
CIVIL WORKS																																																																																																							
B-CV4-16-0122	i40: i40: 16- Cross Connect Valves- RCC base slab	1	20	19	21-Mar-21 A	12-Apr-21 A																																																																																																	
B-CV4-16-0123	i40: Vertical RC elements (walls, posts, ...)	1	30	30	10-May-21*	12-Jun-21																																																																																																	
B-CV4-16-0124	i40: Horizontal RC elements (beams, floors, roofs, ...)	1	20	20	14-Jun-21	06-Jul-21																																																																																																	
B-CV4-16-0125	i40: 16- Concrete finishings - joint treatment / rendering / painting / ...	1	15	15	13-Aug-22	30-Aug-22																																																																																																	
B-CV4-16-0126	i40: Metal works	1	10	10	31-Aug-22	10-Sep-22																																																																																																	
B-CV4-16-0527	i40: i40: VALV CHAMB- RFE-INT.16- Civil Works Hand Over / Ready For Erection- Intms08	1	0	0	10-Sep-22	10-Sep-22																																																																																																	
ANTI WATER HAMMER TANK (i46)																																																																																																							
B-CV4-05-0108	i46: Anti Water Hammer tank- RCC base slab, 1.2m thickness	1	15	15	07-Jul-21	23-Jul-21																																																																																																	
B-CV4-05-0109	i46: Vertical RC elements (walls, posts, ...) Installation of Prefab. Tank	1	30	30	24-Jul-21	27-Aug-21																																																																																																	
B-CV4-05-0860	i46: Erect Puddle Pipes Of The Anti-Hammer Tank (1*500ND + 2*1,200 ND)	1	5	5	28-Aug-21	02-Sep-21																																																																																																	
B-CV4-05-0110	i46: Horizontal RC elements (beams, floors, roofs, ...)	1	20	20	03-Sep-21	25-Sep-21																																																																																																	
B-CV4-05-0112	i46: Concrete finishings - slopes / pits / blocks / boxes-out / seals / joint treatment / rendering / painting / ...	1	6	6	27-Sep-21	02-Oct-21																																																																																																	
B-CV4-05-0113	i46: Concrete waterproofing (coating if required according to concrete quality)	1	6	6	04-Oct-21	09-Oct-21																																																																																																	
B-CV4-05-0114	i46: Metal works	1	6	6	11-Oct-21	16-Oct-21																																																																																																	
B-CV4-04-0114	i46: Overflow pipe DN300 (as per S6 Part 03A § 8)	1	6	6	18-Oct-21	23-Oct-21																																																																																																	
B-CV4-05-0116	i46: Water tightness test (7 days min , as per Section 6 Part 03A § 6.4)- Intms06	1	18	18	02-Nov-21	22-Nov-21																																																																																																	
B-CV4-05-0522	i46: HAMMER TNK- RFE-INT.05- Civil Works Hand Over / Ready For Erection	1	0	0	22-Nov-21	22-Nov-21																																																																																																	
ELECTRICAL BUILDINGS & FUEL TANK (i80,84)																																																																																																							
ELECTRICAL & GENERAL BUILDING (i80)																																																																																																							
B-CV4-07-0128	i82: i82: Vertical RC elements (walls, posts, ...)	1	60	90	03-May-22	15-Aug-22																																																																																																	
B-CV4-07-0127	i82: i82: Horizontal RC elements (beams, floors, roofs, ...) 1st Level	1	25	30	07-Jun-22	11-Jul-22																																																																																																	
B-CV4-07-0129	i82: i82: Horizontal RC elements (beams, floors, roofs, ...) 2nd Level	1	60	30	16-Aug-22	19-Sep-22																																																																																																	
B-CV4-07-0130	i82: i82: Concrete finishings - slopes / pits / blocks / boxes-out / seals / joint treatment / rendering / painting / ...	1	10	10	20-Sep-22	30-Sep-22																																																																																																	
B-CV4-07-0131	i82: i82: Building construction (masonry wall)	1	30	30	01-Oct-22	04-Nov-22																																																																																																	
B-CV4-07-0132	i82: i82: Architectural works	1	30	30	01-Oct-22	04-Nov-22																																																																																																	
B-CV4-07-0133	i82: i82: Air conditioning	1	6	6	05-Nov-22	11-Nov-22																																																																																																	
B-CV4-07-0134	i82: i82: Metal works	1	6	6	12-Nov-22	18-Nov-22																																																																																																	
B-CV4-07-0135	i82: i82: Removable floor	1	6	6	19-Nov-22	25-Nov-22																																																																																																	
B-CV4-07-0524	i82: i82: ELEC BLDG- RFE-INT.07- Civil Works Hand Over / Ready For Erection- Intms09	1	0	0	25-Nov-22	25-Nov-22																																																																																																	
FUEL STORAGE TANK (i84)																																																																																																							

RE-BASELINE ACTUAL REMAINING CRITICAL REM.	RE-BASELINE MILESTONE NORMAL MILESTONE CRITICAL MILESTONE ACTUAL MILESTONE	% PROGRESS LEVEL OF EFFORT	Date: 25-Apr-21 Revision: G01 Checked: ABDUL MATIN Approved: NOUR-EDDINE MESBAH	Page 40 of 57 P6 R 19.12.0 ©Oracle Corporation
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G01 (48M + 348 DAYS EOT, DD: 25 APR 21)

REBASELINE DETAIL TIME PROGRAM

B-001464_GWT_TM_G00_WS_9001
(FULL)



Activity ID	Activity Name	Activity Count	Rebaseline Duration	At Completion Duration	Start	Finish	2018							2019							2020							2021							2022							2023							2024																														
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
CIVIL WORKS FOR RESERVOIR																																																																															
BASE SLAB																																																																															
B-CVP-07-0307	W40: 25% Reservoir RCC base slab	1	227	227	06-Apr-20 A	25-Dec-20 A																																																																									
B-CVP-07-0297	W40: 75% Reservoir RCC base slab	1	135	135	26-Dec-20 A	01-Jun-21																																																																									
B-CVP-07-0296	W40: 2000 x 2000 TW Under-slab channel (70m length, for connection with Phase 2)	1	41	41	31-Dec-20 A	16-Feb-21 A																																																																									
VERTICAL WALL & COLUMN																																																																															
B-CVP-07-0308	W40: W40: 25% Vertical RC elements (walls, posts, ...)	1	75	129	01-Jan-21 A	31-May-21																																																																									
B-CVP-07-0298	W40: W40: 75% Vertical RC elements (walls, posts, ...)	1	130	130	01-Jun-21	29-Oct-21																																																																									
B-CVP-11-0662	W40: TW Pump Stat* Erection Of Puddles On 11 (6*1.000ND)	1	6	6	05-Aug-21	11-Aug-21																																																																									
HORIZONTAL TOP COVER																																																																															
B-CVP-07-0309	W40: 25% Horizontal Top-Cover (beams, floors, roofs, ...)	1	65	75	15-May-21*	10-Aug-21																																																																									
B-CVP-07-0475	W30: W30: Civil Clearance at Reservoir For Filters	1	0	0		16-Jul-21																																																																									
B-CVP-07-0299	W40: 75% Horizontal Top-Cover (beams, floors, roofs, ...)	1	135	120	11-Aug-21	28-Dec-21																																																																									
B-CVP-07-0474	W40: Civil Clearance at Reservoir For Densadeg	1	0	0		22-Sep-21																																																																									
B-CVP-07-0667	W40: W40: Drying Of The Top Cover @+8.50m	1	28	28	29-Dec-21	29-Jan-22																																																																									
B-CVP-07-0301	W40: Concrete finishings	1	24	24	31-Jan-22	26-Feb-22																																																																									
WATER TIGHTNESS TEST																																																																															
B-CVP-09-0303	W34: Water tightness test Of 07- 1/4 : just the 9 Dirty Bk.Wash (as per Section 6 Part 03A § 6.4)	1	10	10	28-Feb-22	10-Mar-22																																																																									
B-CVP-07-0663	W40: Water tightness test Of 07- 2/4 : just the 8 Clean Bk.Wash (as per Section 6 Part 03A § 6.4)	1	10	10	11-Mar-22	22-Mar-22																																																																									
B-CVP-08-0664	W33: Water tightness test Of 07- 3/4 : just the 11 TW Sump (as per Section 6 Part 03A § 6.4)	1	10	10	23-Mar-22	02-Apr-22																																																																									
B-CVP-07-0655	W40: Water tightness test Of 07- 4/4 : Remaining Reservoirs (as per Section 6 Part 03A § 6.4) -wpm505	1	50	50	04-Apr-22	31-May-22																																																																									
EMBANKMENT RESERVOIR; POST HYDRO TEST & OTHER WORKS																																																																															
B-CVP-07-0302	W40: Concrete waterproofing (coating if required)	1	24	24	01-Jun-22	28-Jun-22																																																																									
B-CVP-07-0247	W40: Backfilling Of Reservoir	1	90	90	29-Jun-22	11-Oct-22																																																																									
B-CVP-07-0248	W40: Embankment 2.250 m3- close to reservoir periphery	1	6	6	12-Oct-22	18-Oct-22																																																																									
B-CVP-07-0611	W40: RESERVOIR- RFE-WTP.06/07- Civil Works Hand Over / Ready For Erection	1	0	0		18-Oct-22																																																																									
INLET & SEWER DISCHARGE (W10)																																																																															
B-CVP-02-0273	W10: W10: WTP Raw Water Inlet Structures- RCC base slab	1	14	14	19-Feb-21 A	06-Mar-21 A																																																																									
B-CVP-02-0274	W10: Vertical RC elements (walls, posts, ...)	1	30	30	01-Jun-21*	05-Jul-21																																																																									
B-CVP-02-0661	W10: Erection Of Puddle (1*2.200 OD Of RW Inlet From Intake)	1	5	5	18-Jun-21	23-Jun-21																																																																									
B-CVP-02-0275	W10: Horizontal RC elements (beams, floors, roofs, ...)	1	30	30	06-Jul-21	09-Aug-21																																																																									
B-CVP-02-0277	W10: Concrete finishings - slopes / pits / blocks / boxes-out / seals / joint treatment / rendering / painting / ...	1	25	25	10-Aug-21	07-Sep-21																																																																									
B-CVP-02-0278	W10: Water tightness test as per Section 6 Part 03A § 6.4 -wpm504	1	30	30	08-Sep-21	12-Oct-21																																																																									
B-CVP-02-0608	P: W10: INLET- RFE-WTP.01/02/26- Civil Works Hand Over / Ready For Erection	1	0	0		12-Oct-21																																																																									
CLARIFIER-5 UNITS DENSADEG (W20)																																																																															
B-CVP-03-0279	W20: W20: Densadeg- Bottom slab For The 5 Densadeg	1	90	90	23-Sep-21	05-Jan-22																																																																									
B-CVP-03-0280	W20: 03- DENSADEG Vertical RC elements (walls, posts, ...)	1	130	130	20-Nov-21	20-Apr-22																																																																									
B-CVP-03-0281	W20: 03 DENSADEG Horizontal RC elements (beams, floors, roofs, ...)	1	80	80	04-Feb-22	07-May-22																																																																									
B-CVP-03-0282	W20: Peripheral chambers and channels (floors, walls, roofs, ...)	1	90	90	04-Feb-22	19-May-22																																																																									
B-CVP-03-0292	W20: Concrete Curing & Drying, Formwork Removal, Tank Cleaning & Gate Installation	1	34	34	20-May-22	28-Jun-22																																																																									
B-CVP-03-0288	W20: Water tightness test as per Section 6 Part 03A § 6.4 -wpm506	1	75	75	29-Jun-22	23-Sep-22																																																																									
B-CVP-03-0283	W20: Concrete slopes in retention structures (5*28 days / 2 teams)	1	90	90	16-Jul-22	28-Oct-22																																																																									
B-CVP-03-0286	W20: Concrete finishings + Other Works	1	22	22	29-Oct-22	23-Nov-22																																																																									
B-CVP-03-0609	W20: W20: DENSADEG- RFE-WTP.03- Civil Works Hand Over / Ready For Erection	1	0	0		07-Nov-22																																																																									
B-CVP-03-0287	W20: Metal works	1	20	20	24-Nov-22	16-Dec-22																																																																									
GRAVITY FILTER- TOP OF RESERVOIR (W30)																																																																															
B-CVP-04-0289	W30: W30: 04/05- Sand Filters- Vertical RC elements (walls, posts, ...)	1	145	145	16-Jul-21	31-Dec-21																																																																									
B-CVP-04-0290	W30: Horizontal RC elements (beams, floors, roofs, ...)	1	130	130	01-Sep-21	29-Jan-22																																																																									
B-CVP-04-0291	W30: Peripheral chambers and channels (floors, walls, roofs, ...)	1	60	60	31-Jan-22	09-Apr-22																																																																									
B-CVP-04-0292	W30: Curing, Drying, Formwork Removal & Concrete finishings	1	44	44	11-Apr-22	31-May-22																																																																									
B-CVP-04-0294	W30: Filters Water-Tight. Test as per Section 6 Part 03A § 6.4 -wpm507	1	60	60	01-Jun-22	09-Aug-22																																																																									
E&M-P-W30-2570	W30: Erection of Filter Nozzles	1	15	15	10-Aug-22	26-Aug-22																																																																									
B-CVP-04-0657	W30: VEOLIA- Special Slab For The Nozzles- Prefabricated- Fine Calibration + Bubling Test	1	45	45	11-Aug-22	01-Oct-22																																																																									
B-CVP-04-0293	W30: Metal works	1	20	20	03-Oct-22	25-Oct-22																																																																									
B-CVP-04-0610	W30: FILTERS- RFE-WTP.04/05- Civil Works Hand Over / Ready For Erection	1	0	0		25-Oct-22																																																																									

RE-BASELINE	REMAINING	RE-BASELINE MILESTONE	CRITICAL MILESTONE	% PROGRESS
ACTUAL	CRITICAL REM.	NORMAL MILESTONE	ACTUAL MILESTONE	LEVEL OF EFFORT

Date	Revision	Checked	Approved
25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH



G01 (48M + 348 DAYS EOT, DD: 25 APR 21) REBASELINE DETAIL TIME PROGRAM

B-001464_GWT_TM_G00_WS_9001
(FULL)



Activity ID	Activity Name	Activity Count	Rebaseline Duration	At Completion Duration	Start	Finish	2018							2019							2020							2021							2022							2023							2024																																										
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
TW PUMPING STATION & PUMPING ROOM (W45)																																																																																											
CIVIL WORKS UP TO 8.5 M																																																																																											
B-CV-P-12-0463	W45: Excavation	1	5	5	23-Jan-21 A	29-Jan-21 A																																																																																					
B-CV-P-12-0464	W45: Ground Dewatering	1	6	6	24-Jan-21 A	30-Jan-21 A																																																																																					
B-CV-P-12-0304	W45: Underground Base Slab	1	31	31	01-Feb-21 A	08-Mar-21 A																																																																																					
B-CV-P-12-0306	W45: Wall below 8.5 m of Pump Room Including Backfilling	1	60	94	13-Mar-21 A	30-Jun-21																																																																																					
B-CV-P-12-0305	W45: Slab below 8.5 m of Pump Room	1	30	30	01-Jul-21	04-Aug-21																																																																																					
CIVIL WORKS ABOVE 8.5 M																																																																																											
B-CV-P-12-0346	W45: Structure above 8.5 m of Pump Room	1	60	60	05-Aug-21	13-Oct-21																																																																																					
B-CV-P-12-0347	W45: Building construction- Pump House & Measurement Station	1	60	60	14-Oct-21	22-Dec-21																																																																																					
B-CV-P-12-0348	W45: Concrete finishings Of The Pump House	1	30	30	23-Dec-21	26-Jan-22																																																																																					
B-CV-P-12-0308	W45: Concrete waterproofing TANK (coating if required)	1	5	5	27-Jan-22	01-Feb-22																																																																																					
B-CV-P-12-0349	W45: Architectural works Of The Pump House	1	60	60	02-Feb-22	12-Apr-22																																																																																					
B-CV-P-12-0350	W45: Metal works Of The Pump House -wprms08	1	15	15	13-Apr-22	29-Apr-22																																																																																					
B-CV-P-12-0612	W45: W45: PUMP STATN- RFE-TWP.12/13- Civil Works Hand Over / Ready For Erection	1	0	0	29-Apr-22	29-Apr-22																																																																																					
AIR BLOWER WITH ELECTRICAL BUILDING-TOP OF RESERVOIR (W35)																																																																																											
B-CV-P-10-0337	W35: W35: FOR 10 (On Top Of Reservoir 07)Vertical RC elements (walls, posts)	1	22	22	01-Jan-22	26-Jan-22																																																																																					
B-CV-P-10-0338	W35: Horizontal RC elements (beams, floors, roofs, ...)	1	18	18	27-Jan-22	16-Feb-22																																																																																					
B-CV-P-10-0339	W35: Building construction	1	15	15	17-Feb-22	05-Mar-22																																																																																					
B-CV-P-10-0340	W35: Concrete finishings	1	15	15	07-Mar-22	23-Mar-22																																																																																					
B-CV-P-10-0341	W35: Architectural works	1	15	15	24-Mar-22	09-Apr-22																																																																																					
B-CV-P-10-0342	W35: Metal works -wprms09	1	15	15	11-Apr-22	27-Apr-22																																																																																					
B-CV-P-10-0616	W35: W35: AIR & ELEC- RFE-WTP.10- Civil Works Hand Over / Ready For Erection	1	0	0	27-Apr-22	27-Apr-22																																																																																					
CHEMICAL BUILDINGS (W50: W51, W52, W53)																																																																																											
ALUMINUM SULPHATE BLDG (W51)																																																																																											
B-CV-P-16-0360	W51: Foundation Excavation	1	50	15	05-May-21	21-May-21																																																																																					
B-CV-P-16-0361	W51: W51: RCC base slab	1	25	25	22-May-21	19-Jun-21																																																																																					
B-CV-P-16-0362	W51: Vertical RC elements (walls, posts, ...)	1	15	15	21-Jun-21	07-Jul-21																																																																																					
B-CV-P-16-0363	W51: Horizontal RC Top elements (beams, floors, roofs, ...)	1	30	30	08-Jul-21	11-Aug-21																																																																																					
B-CV-P-16-0364	W51: Building construction	1	35	35	12-Aug-21	21-Sep-21																																																																																					
B-CV-P-16-0365	W51: Chemical tank	1	20	20	22-Sep-21	14-Oct-21																																																																																					
B-CV-P-16-0366	W51: Concrete finishings	1	30	30	15-Oct-21	18-Nov-21																																																																																					
B-CV-P-16-0367	W51: Architectural works	1	30	30	19-Nov-21	23-Dec-21																																																																																					
B-CV-P-16-0368	W51: Metal works	1	20	20	24-Dec-21	15-Jan-22																																																																																					
B-CV-P-16-0617	W51: W51: Alum.Sulph- RFE-WTP.16- Civil Works Hand Over / Ready For Erection	1	0	0	15-Jan-22	15-Jan-22																																																																																					
LIME PREPARATION BLDG (W52)																																																																																											
B-CV-P-17-0351	W52: Foundation Excavation	1	50	15	21-Jun-21	07-Jul-21																																																																																					
B-CV-P-17-0352	W52: W52: RCC base slab	1	25	25	08-Jul-21	05-Aug-21																																																																																					
B-CV-P-17-0353	W52: Vertical RC elements (walls, posts, ...)	1	25	25	06-Aug-21	03-Sep-21																																																																																					
B-CV-P-17-0354	W52: Horizontal RC elements (beams, floors, roofs, ...)	1	30	30	04-Sep-21	08-Oct-21																																																																																					
B-CV-P-17-0355	W52: Building construction	1	30	30	09-Oct-21	12-Nov-21																																																																																					
B-CV-P-17-0356	W52: Chemical tank	1	30	30	13-Nov-21	17-Dec-21																																																																																					
B-CV-P-17-0357	W52: Concrete finishings	1	30	30	18-Dec-21	21-Jan-22																																																																																					
B-CV-P-17-0358	W52: Architectural works	1	30	30	22-Jan-22	25-Feb-22																																																																																					
B-CV-P-17-0359	W52: Metal works	1	20	20	26-Feb-22	21-Mar-22																																																																																					
B-CV-P-17-0618	W52: W52: lime- RFE-WTP.17- Civil Works Hand Over / Ready For Erection	1	0	0	21-Mar-22	21-Mar-22																																																																																					
POLYMER BLDG (W53)																																																																																											
B-CV-P-17-0596	W53: Foundation Excavation	1	50	15	06-Aug-21	23-Aug-21																																																																																					
B-CV-P-17-0597	W53: W53: RCC base slab	1	15	15	24-Aug-21	09-Sep-21																																																																																					
B-CV-P-17-0598	W53: W53: Vertical RC elements (walls, posts, ...)	1	15	15	10-Sep-21	27-Sep-21																																																																																					
B-CV-P-17-0599	W53: Horizontal RC elements (beams, floors, roofs, ...)	1	30	30	28-Sep-21	01-Nov-21																																																																																					
B-CV-P-17-0600	W53: Building construction	1	35	35	02-Nov-21	11-Dec-21																																																																																					
B-CV-P-17-0601	W53: Chemical tank	1	20	20	13-Dec-21	04-Jan-22																																																																																					
B-CV-P-17-0602	W53: Concrete finishings	1	30	30	05-Jan-22	08-Feb-22																																																																																					
B-CV-P-17-0603	W53: Architectural works	1	30	30	09-Feb-22	15-Mar-22																																																																																					

RE-BASELINE	REMAINING	RE-BASELINE MILESTONE	CRITICAL MILESTONE	% PROGRESS	LEVEL OF EFFORT
ACTUAL	CRITICAL REM.	NORMAL MILESTONE	ACTUAL MILESTONE		

Date	Revision	Checked	Approved
25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH



G01 (48M + 348 DAYS EOT, DD: 25 APR 21) REBASELINE DETAIL TIME PROGRAM

B-001464_GWT_TM_G00_WS_9001
(FULL)



Activity ID	Activity Name	Activity Count	Rebaseline Duration	At Completion Duration	Start	Finish	2018							2019							2020							2021							2022							2023							2024																																										
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
WATER TREATMENT PLANT																																																																																											
E&M-PI-W51-1000	W51: Puddles	1	6	6	21-Jun-21	26-Jun-21																						W51: Puddles																																																															
E&M-PI-W33-1000	W33: Puddles	1	3	3	01-Jul-21	05-Jul-21																						W33: Puddles																																																															
E&M-PI-W34-1000	W34: Puddles	1	1	1	01-Jul-21	01-Jul-21																						W34: Puddles																																																															
E&M-PI-W45-1000	W45: Puddles	1	6	6	01-Jul-21	07-Jul-21																						W45: Puddles																																																															
E&M-PI-W40-1000	W40: Puddles	1	1	1	06-Jul-21	06-Jul-21																						W40: Puddles																																																															
E&M-PI-W10-1000	W10: Puddles	1	3	3	06-Jul-21	09-Jul-21																						W10: Puddles																																																															
E&M-PI-W30-1000	W30: Puddles	1	26	26	16-Jul-21	16-Aug-21																						W30: Puddles																																																															
E&M-PI-W52-1000	W52: Puddles	1	6	6	06-Aug-21	12-Aug-21																						W52: Puddles																																																															
E&M-PI-W20-1000	W20: Puddles	1	8	8	20-Nov-21	29-Nov-21																						W20: Puddles																																																															
E&M-PI-W01-1000	W01: Puddles	1	3	3	02-Jun-22	06-Jun-22																						W01: Puddles																																																															
E&M-PI-W73-1000	W73: Puddles	1	2	2	03-Aug-22	05-Aug-22																						W73: Puddles																																																															
E&M-PI-W15-1000	W15: Puddles	1	2	2	11-Aug-22	13-Aug-22																						W15: Puddles																																																															
E&M-PI-W72-1000	W72: Puddles	1	2	2	26-Aug-22	29-Aug-22																						W72: Puddles																																																															
RAW WATER PIPELINE																																																																																											
TRIAL TEST OF DYNAMIC COMPACTION																																																																																											
B-CVL-00680	Trial Test for Dynamic Compaction After Getting 50% Access	1	15	7	24-Apr-21	01-May-21																						Trial Test for Dynamic Compaction After Getting 50% Access																																																															
B-CVL-0700	Preparation of Trial Test Report for Submission	1	7	7	03-May-21	10-May-21																						Preparation of Trial Test Report for Submission																																																															
B-CVL-0710	Checking and Approval of Trial Test Report from Engineer	1	21	21	11-May-21	03-Jun-21																						Checking and Approval of Trial Test Report from Engineer																																																															
MOBILIZATION & PIPELINE CONSTRUCTION																																																																																											
A0000005	PERMANENT CONSTRUCTION - RWP	1	968	968	15-Feb-21	19-Mar-24																						PERMANENT CONSTRUCTION - RWP																																																															
EARLY PREPARATORY WORK																																																																																											
S-CV-V-1747	RWP Mob Of Contractor For The Civil Works	1	82	82	15-Feb-21	20-May-21																						RWP Mob Of Contractor For The Civil Works																																																															
B-CVL-0669	RWP: Preparatory Works & Site Tracks	1	96	96	20-Feb-21	11-Jun-21																						RWP: Preparatory Works & Site Tracks																																																															
EARTHWORK, GEOGRID PLACEMENT & EMBANKMENT FOR PIPELAYING																																																																																											
B-CVL-0673	1st/ 2 Embankment Before Pipe Laying From KM. 01 - KM. 12 (2 teams @ 500 m3/day)	1	240	240	11-May-21*	15-Feb-22																						1st/ 2 Embankment Before Pipe Laying From KM. 01 - KM. 12 (2 teams @ 500 m3/day)																																																															
B-CVL-00682	Disposal of Surplus from 1st/ 2 Embankment	1	15	15	28-Jan-22	15-Feb-22																						Disposal of Surplus from 1st/ 2 Embankment																																																															
B-CVL-0672	2nd/ 2 Embankment Before Pipe Laying KM. 13 - KM. 22+ (2 teams @ 500 m3/day)	1	240	240	15-Feb-22	22-Nov-22																						2nd/ 2 Embankment Before Pipe Laying KM. 13 - KM. 22+ (2 teams @ 500 m3/day)																																																															
B-CVL-00702	Disposal of Surplus from 2nd/ 2 Embankment	1	15	15	04-Nov-22	22-Nov-22																						Disposal of Surplus from 2nd/ 2 Embankment																																																															
ANCILLARY WORK BEFORE/DURING PIPELAYING																																																																																											
B-CVL-0730	Commencement of Fencing Work Before Piping	1	0	0	01-Mar-21																							Commencement of Fencing Work Before Piping																																																															
B-CVL-0720	Commencement of 1st Major Road Crossing SECTION 4 : P265 to P327 (Detail will be provided when it will be altogether)	1	0	0	22-Dec-21																							Commencement of 1st Major Road Crossing SECTION 4 : P265 to P327 (Detail will be provided when it will be altogether)																																																															
1st PIPE REQUIRED AT SITE																																																																																											
E-DE-L-1110	Pipe Required at Work Site Before Starting Trench Excavation	1	0	0	26-Apr-21	26-Apr-21																						Pipe Required at Work Site Before Starting Trench Excavation																																																															
PIPE LAYING INCLUDING WASH-OUTS (2 x 22 KM.) & PRESSURE TEST																																																																																											
B-CVL-0690	Start Of RWP Pipe Laying Including Wash-Outs	1	0	0	24-Jun-21*																							Start Of RWP Pipe Laying Including Wash-Outs																																																															
B-CVL-0691	END OF RWP Pipe Laying Including Wash-Outs & Pressure Test	1	0	0		21-Sep-23																						END OF RWP Pipe Laying Including Wash-Outs & Pressure Test																																																															
STRETCH 01: FROM P1 (INTAKE) TO P265																																																																																											
B-CVL-0000	Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 1 : KM. 1,4,7 (TEAM 1)	1	360	360	24-Jun-21	17-Aug-22																						Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 1 : KM. 1,4,7 (TEAM 1)																																																															
B-CVL-0001	Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 2 : KM. 2,5,8 (TEAM 2)	1	340	360	24-Jun-21	17-Aug-22																						Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 2 : KM. 2,5,8 (TEAM 2)																																																															
B-CVL-0002	Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 3 : KM. 3,6,9 (TEAM 3)	1	360	360	24-Jun-21	17-Aug-22																						Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 3 : KM. 3,6,9 (TEAM 3)																																																															
STRETCH 01: FROM P265 TO P563 (WTP)																																																																																											
B-CVL-0003	Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 4 : KM. 10,13,16,19 (TEAM 1)	1	363	343	18-Aug-22	21-Sep-23																						Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 4 : KM. 10,13,16,19 (TEAM 1)																																																															
B-CVL-0004	Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 5 : KM. 11,14,17,20 (TEAM 2)	1	343	343	18-Aug-22	21-Sep-23																						Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 5 : KM. 11,14,17,20 (TEAM 2)																																																															
B-CVL-0005	Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 6 : KM. 12,15,18,21 (TEAM 3) + Final Pressure Test	1	343	343	18-Aug-22	21-Sep-23																						Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 6 : KM. 12,15,18,21 (TEAM 3) + Final Pressure Test																																																															
B-CVL-0006	Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 7 : KM. 22,22+ (TEAM 4)	1	105	105	28-Jan-23	30-May-23																						Pipe Lay RWP Including Wash-Outs & Pressure Test SECTION 7 : KM. 22,22+ (TEAM 4)																																																															
ROADS																																																																																											
B-CVL-0675	Access Road For Maintenance KM. 01 - KM. 12 (2 teams @ 250 m3/day)	1	360	360	18-Aug-22	11-Oct-23																						Access Road For Maintenance KM. 01 - KM. 12 (2 teams @ 250 m3/day)																																																															
B-CVL-0674	Access Road For Maintenance KM. 13 - KM. 22+ (2 teams @ 250 m3/day)	1	325	325	07-Mar-23	19-Mar-24																						Access Road For Maintenance KM. 13 - KM. 22+ (2 teams @ 250 m3/day)																																																															
RIVER CROSSING																																																																																											
B-CVL-0007	River crossing 1: 169.5m width, 95m length (P6 to P10)	1	91	98	09-Apr-21	31-Jul-21																						River crossing 1: 169.5m width, 95m length (P6 to P10)																																																															
B-CVL-0009	River crossing 2: 188.5m width, 96m length (P25 to P29)	1	91	91	15-Feb-22*	31-May-22																						River crossing 2: 188.5m width, 96m length (P25 to P29)																																																															
B-CVL-0010	River crossing 3: 152.9m width, 102m length (P49 to P56)	1	91	91	15-Feb-22*	31-May-22																						River crossing 3: 152.9m width, 102m length (P49 to P56)																																																															
B-CVL-0011	River crossing 4: 133.5m width, 81m length (P91 to P99)	1	91	91	01-Nov-22*	14-Feb-23																						River crossing 4: 133.5m width, 81m length (P91 to P99)																																																															
B-ME-L-0011	River crossing 5: 116.8m width, 158m length (P124 to P130)	1	91	91	01-Nov-22*	14-Feb-23																						River crossing 5: 116.8m width, 158m length (P124 to P130)																																																															

RE-BASELINE	REMAINING	RE-BASELINE MILESTONE	CRITICAL MILESTONE	% PROGRESS
ACTUAL	CRITICAL REM.	NORMAL MILESTONE	ACTUAL MILESTONE	LEVEL OF EFFORT

Date	Revision	Checked	Approved
25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH



G01 (48M + 348 DAYS EOT, DD: 25 APR 21) REBASELINE DETAIL TIME PROGRAM

B-001464_GWT_TM_G00_WS_9001 (FULL)



Activity ID | Activity Name | Activity Count | Rebaseline Duration | At Completion Duration | Start | Finish | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024

Legend: RE-BASELINE (yellow), ACTUAL (blue), REMAINING (green), CRITICAL REM. (red), RE-BASELINE MILESTONE (yellow diamond), NORMAL MILESTONE (black diamond), CRITICAL MILESTONE (red diamond), ACTUAL MILESTONE (blue diamond), % PROGRESS (blue bar), LEVEL OF EFFORT (green bar)

Project Summary: Date: 25-Apr-21, Revision: G01, Checked: ABDUL MATIN, Approved: NOUR-EDDINE MESBAH



G01 (48M + 348 DAYS EOT, DD: 25 APR 21) REBASELINE DETAIL TIME PROGRAM

B-001464_GWT_TM_G00_WS_9001
(FULL)



Activity ID	Activity Name	Activity Count	Rebaseline Duration	At Completion Duration	Start	Finish	2018							2019							2020							2021							2022							2023							2024																																										
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
TESTS ON COMPLETION & COMMISSIONING																																																																																											
A000006	TESTS ON COMPLETION & COMMISSIONING	1	441	444	06-Feb-23	24-Apr-24	TESTS ON COMPLETION & COMMISSIONING																																																																																				
PRE-COMMISSIONING																																																																																											
INTAKE																																																																																											
STAGE 1 - INSPECTION TESTS																																																																																											
C-SU-0695	INTAKE COMM / Inspect* - Conformity Checks	1	53	53	06-Feb-23	30-Mar-23	INTAKE COMM / Inspect* - Conformity Checks																																																																																				
C-SU-0742	INTAKE COMM / Inspect* - Mechanical Tests	1	47	47	24-Feb-23	11-Apr-23	INTAKE COMM / Inspect* - Mechanical Tests																																																																																				
C-SU-0743	INTAKE COMM / Inspect* - Electrical Tests	1	48	48	02-Mar-23	19-Apr-23	INTAKE COMM / Inspect* - Electrical Tests																																																																																				
WATER TREATMENT PLANT																																																																																											
STAGE 1 - INSPECTION TESTS																																																																																											
C-SU-P-0751	WTP COMM / Inspect* - Conformity Checks	1	53	53	17-May-23	08-Jul-23	WTP COMM / Inspect* - Conformity Checks																																																																																				
C-SU-P-0753	WTP COMM / Inspect* - Mechanical Tests	1	47	47	03-Jun-23	19-Jul-23	WTP COMM / Inspect* - Mechanical Tests																																																																																				
C-SU-P-0754	WTP COMM / Inspect* - Electrical Tests	1	48	48	08-Jun-23	25-Jul-23	WTP COMM / Inspect* - Electrical Tests																																																																																				
COMMISSIONING																																																																																											
INTAKE																																																																																											
STAGE 1 - ENERGIZED INSPECTION																																																																																											
B-EC-07-0018	i88: i.07- Connexion To R.E.B. The local Electricity (for INTAKE)	1	8	8	05-Jul-23	12-Jul-23	i88: i.07- Connexion To R.E.B. The local Electricity (for INTAKE)																																																																																				
C-SU-0744	INTAKE COMM / Inspect* - Energization - Elec Bldgs (Sequenced After The WTP)	1	15	15	13-Jul-23	27-Jul-23	INTAKE COMM / Inspect* - Energization - Elec Bldgs																																																																																				
C-SU-0745	INTAKE COMM / Inspect* - Inspection By 3rd Parties	1	31	31	28-Jul-23	27-Aug-23	INTAKE COMM / Inspect* - Inspection By 3rd Parties																																																																																				
STAGE 1 - DRY TESTS																																																																																											
C-SU-0741	INTAKE COMM / Dry Tests- Pumping Station	1	35	35	28-Jul-23	31-Aug-23	INTAKE COMM / Dry Tests- Pumping Station																																																																																				
C-SU-0768	INTAKE COMM / Dry Tests- Miscellaneous / Utilities	1	15	15	28-Jul-23	11-Aug-23	INTAKE COMM / Dry Tests- Miscellaneous / Utilities																																																																																				
STAGE 1 - FUNCTIONAL TESTS																																																																																											
C-SU-0769	INTAKE COMM / Functional Tests- Miscellaneous / Utilities	1	15	15	12-Aug-23	26-Aug-23	INTAKE COMM / Functional Tests- Miscellaneous																																																																																				
C-SU-0746	INTAKE COMM / Functional Tests- Pumping Station	1	38	38	01-Sep-23	08-Oct-23	INTAKE COMM / Functional Tests- Pumping																																																																																				
STAGE 2 - TRIAL OPERATION																																																																																											
C-SU-0747	STAGE 2- INTAKE COMM / Trial- Verification	1	38	38	09-Oct-23	15-Nov-23	STAGE 2- INTAKE COMM / Trial- Verifica																																																																																				
PIPELINE																																																																																											
C-SUL-0775	STAGE 2- Commissioning Of The RWP (Pipeline & Chambers)	1	34	34	27-Oct-23	29-Nov-23	STAGE 2- Commissioning Of The F																																																																																				
WATER TREATMENT PLANT																																																																																											
STAGE 1 - ENERGIZED INSPECTION																																																																																											
C-SU-P-0755	WTP COMM / Inspect* - Energization - Elec Bldgs	1	14	14	21-Jun-23	04-Jul-23	WTP COMM / Inspect* - Energization - Elec Bldgs																																																																																				
C-SU-P-0756	WTP COMM / Inspect* - Inspection By 3rd Parties	1	21	21	26-Jul-23	15-Aug-23	WTP COMM / Inspect* - Inspection By 3rd Parties																																																																																				
STAGE 1 - DRY TESTS																																																																																											
C-SU-P-0757	WTP COMM / Dry Tests- Clarification	1	33	33	05-Jul-23	06-Aug-23	WTP COMM / Dry Tests- Clarification																																																																																				
C-SU-P-0758	WTP COMM / Dry Tests- Filtration (Media Loading)	1	56	56	21-Jul-23	14-Sep-23	WTP COMM / Dry Tests- Filtration (Media Loading)																																																																																				
C-SU-P-0752	WTP COMM / Dry Tests- Pumping Station	1	33	33	18-Aug-23	19-Sep-23	WTP COMM / Dry Tests- Pumping Station																																																																																				
C-SU-P-0759	WTP COMM / Dry Tests- Desinfection System	1	21	21	04-Sep-23	24-Sep-23	WTP COMM / Dry Tests- Desinfection System																																																																																				
STAGE 1 - FUNCTIONAL TESTS																																																																																											
C-SU-P-0761	WTP COMM / Functional Tests- Clarification After RWP Flushing	1	36	36	29-Sep-23	03-Nov-23	WTP COMM / Functional Tests- Clarific																																																																																				
C-SU-P-0762	WTP COMM / Functional Tests- Filtration	1	38	38	07-Oct-23	13-Nov-23	WTP COMM / Functional Tests- Filtrat																																																																																				
C-SU-P-0760	WTP COMM / Functional Tests- Pumping Station	1	35	35	14-Oct-23	17-Nov-23	WTP COMM / Functional Tests- Pum																																																																																				
C-SU-P-0763	WTP COMM / Functional Tests- Desinfection System	1	33	33	21-Oct-23	22-Nov-23	WTP COMM / Functional Tests- Des																																																																																				
STAGE 1 - CLEANING & DISINFECTION																																																																																											
C-SU-P-0764	WTP COMM / Cleaning- Treated Water Reservoir	1	35	35	23-Nov-23	27-Dec-23	WTP COMM / Cleaning- Treate																																																																																				
STAGE 2 - TRIAL OPERATION																																																																																											
C-SU-P-0765	STAGE 2- WTP COMM / Trial- Verification	1	41	41	28-Dec-23	06-Feb-24	STAGE 2- WTP COMM / Tr																																																																																				
STAGE 2/ TESTS ON COMPLETION FOR TRIAL OPERATION																																																																																											
C-SU-V0766	STAGE 2- OVERALL COMM / Trial- Optimization & Proving	1	57	57	07-Feb-24	03-Apr-24	STAGE 2- OVERALL C																																																																																				
C-SU-V0767	STAGE 2- 21 days Trial Operation	1	21	21	04-Apr-24	24-Apr-24	STAGE 2- 21 d																																																																																				

RE-BASELINE REMAINING RE-BASELINE MILESTONE CRITICAL MILESTONE % PROGRESS LEVEL OF EFFORT	ACTUAL CRITICAL REM. NORMAL MILESTONE ACTUAL MILESTONE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date</td> <td>Revision</td> <td>Checked</td> <td>Approved</td> </tr> <tr> <td>25-Apr-21</td> <td>G01</td> <td>ABDUL MATIN</td> <td>NOUR-EDDINE MESBAH</td> </tr> </table>	Date	Revision	Checked	Approved	25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH	Page 57 of 57 P6 R 19.12.0 ©Oracle Corporation
Date	Revision	Checked	Approved								
25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH								



G01 (48M + 348 DAYS EOT, DD: 25 APR 21)

CP OF REBASELINE DETAIL TIME PROGRAM

B-001464_GWT_TM_G00_WS_9001
(CRITICAL PATH)



Activity ID	Activity Name	Activity Count	At Completion Duration	Start	Finish	Total Float	2019							2020							2021							2022							2023							2024																									
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
G01 (48M + 348 DAYS EOT, DD: 25 APR 21)																																																																			
MANAGEMENT OVERSIGHT																																																																			
START & FINISH DATES																																																																			
K-PCV-1490	TARGET OVERALL COMPLETION DATE (1460 (4 x 365) DAYS + 348 DAYS EOT)	1	0	24-Apr-24	24-Apr-24	0																																																													
C-SUV-0750	TOC- EMPLOYERS TAKING OVER	1	0	24-Apr-24	24-Apr-24	0																																																													
WEATHER RELATED																																																																			
EMPLOYER DUES																																																																			
M-PCV-1536	33kV Power Provided By The Employer	1	0	13-Jul-22*	13-Jul-22*	0																																																													
CONSTRUCTION																																																																			
RAW WATER PIPELINE																																																																			
TRIAL TEST OF DYNAMIC COMPACTION																																																																			
B-CVL-00680	Trial Test for Dynamic Compaction After Getting 50% Access	1	7	24-Apr-21 A	01-May-21	7																																																													
B-CVL-0700	Preparation of Trial Test Report for Submission	1	7	03-May-21	10-May-21	7																																																													
B-CVL-0710	Checking and Approval of Trial Test Report from Engineer	1	21	11-May-21	03-Jun-21	7																																																													
MOBILIZATION & PIPELINE CONSTRUCTION																																																																			
EARLY PREPARATORY WORK																																																																			
S-CVV-1747	RWP Mob Of Contractor For The Civil-Works	1	82	15-Feb-21 A	20-May-21	4																																																													
B-CVL-0669	RWP: Preparatory Works & Site Tracks	1	96	20-Feb-21 A	11-Jun-21	4																																																													
EARTHWORK, GEOGRID PLACEMENT & EMBANKMENT FOR PIPELAYING																																																																			
B-CVL-0673	1st/ 2 Embankment Before Pipe Laying From KM. 01 - KM. 12 (2 teams @ 500 m3/day)	1	240	11-May-21*	15-Feb-22	0																																																													
PIPE LAYING INCLUDING WASH-OUTS (2 x 22 KM.) & PRESSURE TEST																																																																			
B-CVL-0690	Start Of RWP Pipe Laying Including Wash-Outs	1	0	24-Jun-21*		0																																																													
B-CVL-0691	END OF RWP Pipe Laying Including Wash-Outs & Pressure Test	1	0		21-Sep-23	0																																																													
STRETCH 01: FROM P1 (INTAKE) TO P265																																																																			
B-CVL-0000	PipeLay RWP Including Wash-Outs & Pressure Test SECTION 1 : KM. 1,4,7 (TEAM 1)	1	360	24-Jun-21	17-Aug-22	0																																																													
B-CVL-0001	PipeLay RWP Including Wash-Outs & Pressure Test SECTION 2 : KM. 2,5,8 (TEAM 2)	1	360	24-Jun-21	17-Aug-22	0																																																													
B-CVL-0002	PipeLay RWP Including Wash-Outs & Pressure Test SECTION 3 : KM. 3,6,9 (TEAM 3)	1	360	24-Jun-21	17-Aug-22	0																																																													
STRETCH 01: FROM P265 TO P553 (WTP)																																																																			
B-CVL-0003	PipeLay RWP Including Wash-Outs & Pressure Test SECTION 4 : KM. 10,13,16,19 (TEAM 1)	1	343	18-Aug-22	21-Sep-23	0																																																													
B-CVL-0004	PipeLay RWP Including Wash-Outs & Pressure Test SECTION 5 : KM. 11,14,17,20 (TEAM 2)	1	343	18-Aug-22	21-Sep-23	0																																																													
B-CVL-0005	PipeLay RWP Including Wash-Outs & Pressure Test SECTION 6 : KM. 12,15,18,21 (TEAM 3) + Final Pre	1	343	18-Aug-22	21-Sep-23	0																																																													
INTERCONNECTION CHAMBERS INCLUDING PRESSURE TEST																																																																			
B-CVL-0693	RWP Flush and Installation of Air Valves	1	26	22-Sep-23	21-Oct-23	0																																																													
TESTS ON COMPLETION & COMMISSIONING																																																																			
COMMISSIONING																																																																			
WATER TREATMENT PLANT																																																																			
STAGE 1 - FUNCTIONAL TESTS																																																																			
C-SUP-0761	WTP COMM / Functional Tests- Clarification After RWP Flushing	1	36	29-Sep-23	03-Nov-23	0																																																													
C-SUP-0762	WTP COMM / Functional Tests- Filtration	1	38	07-Oct-23	13-Nov-23	0																																																													
C-SUP-0760	WTP COMM / Functional Tests- Pumping Station	1	35	14-Oct-23	17-Nov-23	0																																																													
C-SUP-0763	WTP COMM / Functional Tests- Desinfection System	1	33	21-Oct-23	22-Nov-23	0																																																													
STAGE 1 - CLEANING & DISINFECTION																																																																			
C-SUP-0764	WTP COMM / Cleaning- Treated Water Reservoir	1	35	23-Nov-23	27-Dec-23	0																																																													
STAGE 2 - TRIAL OPERATION																																																																			
C-SUP-0765	STAGE 2- WTP COMM / Trial- Verification	1	41	28-Dec-23	06-Feb-24	0																																																													
STAGE 2/ TESTS ON COMPLETION FOR TRIAL OPERATION																																																																			
C-SUV-0766	STAGE 2- OVERALL COMM / Trial- Optimization & Proving	1	57	07-Feb-24	03-Apr-24	0																																																													
C-SUV-0767	STAGE 2- 21 days Trial Operation	1	21	04-Apr-24	24-Apr-24	0																																																													

RE-BASELINE	REMAINING	RE-BASELINE MILESTONE	CRITICAL MILESTONE
ACTUAL	CRITICAL REM.	NORMAL MILESTONE	ACTUAL MILESTONE

Date	Revision	Checked	Approved
25-Apr-21	G01	ABDUL MATIN	NOUR-EDDINE MESBAH

Gandharbpur Water Treatment SNC
SUEZ OTV VEOLIA

M
MOTT
MACDONALD



Dhaka Environmentally Sustainable Water Supply Project
DBO Package No. ICB-01/D&B/DESWSP/2014

Monthly Progress Report N° 24 – April 2021

APPENDIX – 3

Cumulative Labor and Equipment for the Current Month

(Sub Clause 4.21 (d))

		Site Camp Manager	1										
		CAD Leader	1										
		CAD Team Supervisor	1										
		Lab Incharge	1										
		Lab Assitant	1										
		Asst. Camp Manager	1										
		IT Officer	1										
TOTAL	33	TOTAL	222	TOTAL	0		0	TOTAL	251	TOTAL	117	TOTAL	102

Dhaka Environmentally Sustainable Water Supply Project
DBO Package No. ICB-01/D&B/DESWSP/2014
Monthly Progress Report N.24 - April 2021

Cumulative Equipment for the current month. (Sub Clause 4.21 (d), according Sub Clause 6.10)

WTP

Excavation Equipment	QT.	Elevation Equipment	QT.	Transportation Equipment	QT.	Concrete Equipment	QT.	Persons Transportation	QT.	Other Equipment	QT.
Excavator	2	Forklift	1	Loader	3	Batching Plant	2	Microbus	2	Level	2
		Crane	2	Dump truck	2	Concrete Pump	2	Pick-up	2	Total Station	2
				Tank Truck	1	Concrete Mixer Machine/Tran	7			Road Roller	1
						Concrete Pump Track	1			Pump	31
										Rebar Cutter	2
										Rebar Bender	6
										Tower Crane	4
										Generator	10
										Air Compressor	4
										Concrete Vibrator	6
										Concrete power trowel	3
										Hydraulic punch machine	2
										Metal Saw Machine	2
										Welding Machine	7
										Hand Saw	1
										Table Grinder	1
										Hacking Machine	1
										Pressure Washer	1
										Drill Machine	2
TOTAL	2	TOTAL	3	TOTAL	6	TOTAL	12	TOTAL	4	TOTAL	88

TOTAL EQUIPMENT ON THE PROJECT FOR CURRENT MONTH 115



Dhaka Environmentally Sustainable Water Supply Project
DBO Package No. ICB-01/D&B/DESWSP/2014

Monthly Progress Report N.24 - April 2021

Cumulative Equipment for the current month. (Sub Clause 4.21 (d), according Sub Clause 6.10)												INTAKE
Excavation Equipment	QT.	Elevation Equipment	QT.	Transportation Equipment	QT.	Concrete Equipment	QT.	Persons Transportation	QT.	Other Equipment	QT.	
Excavator	1	Crawler crane	1	Dump truck		Batching Plant	2	Service boat		Pile driver		
Bulldozer		Lorry-mounted crane		Loader	1	Transit Mixer		Small boat	1	Rammer		
Road roller		Forklift		Lorry		Concrete boom placer				Vibration hammer	1	
Dredger		Mobile Crane	1	Tractor						Water pump	3	
										Generator	12	
										Excavation Hammer		
										Track Mounted Mixing Mc		
										Ambulance	1	
TOTAL	1	TOTAL	2	TOTAL	1	TOTAL	2	TOTAL	1	TOTAL	17	
TOTAL EQUIPMENT ON THE PROJECT FOR CURRENT MONTH											24	



Dhaka Environmentally Sustainable Water Supply Project
DBO Package No. ICB-01/D&B/DESWSP/2014

Monthly Progress Report N.24 - April 2021

Cumulative Equipment for the current month. (Sub Clause 4.21 (d), according Sub Clause 6.10)

WTP

Excavation Equipment	QT.	Elevation Equipment	QT.	Transportation Equipment	QT.	Concrete Equipment	QT.	Persons Transportation	QT.	Other Equipment	QT.
Excavator	3	Forklift	0	Pay Loader	1					Vibration Hammer	1
		Crane	3							Silent Piller	1
		Impact Roller	1							Tractor	3
TOTAL	3	TOTAL	4	TOTAL	1	TOTAL	0	TOTAL	0	TOTAL	5
TOTAL EQUIPMENT ON THE PROJECT FOR CURRENT MONTH											13



Dhaka Environmentally Sustainable Water Supply Project
DBO Package No. ICB-01/D&B/DESWSP/2014

Monthly Progress Report N.24 - April 2021

Cumulative Equipment for the current month. (Sub Clause 4.21 (d), according Sub Clause 6.10)

Cumulative Equipment

WATER TREATMENT PLANT - CIVIL		QT.	INTAKE - CIVIL		QT.	RWP WORK		QT.	DSM WORK		QT.
TOTAL		115	TOTAL		24	TOTAL		13	TOTAL		0
<i>Total Equipment for the current Month</i>											152

Gandharbpur Water Treatment SNC



Dhaka Environmentally Sustainable Water Supply Project
DBO Package No. ICB-01/D&B/DESWSP/2014

Monthly Progress Report N° 24 – April 2021

APPENDIX – 4

Monthly Report – QA/QC

(Sub Clause 4.21 (e))



Project Owner: Dhaka WASA

Funded BY: AFD, Asian Development and European Investment Bank



SUEZ International & OTV VEOLIA JV.

PROJECT: GANDHARBPUR WATER TREATMENT SNC

QUALITY ASSURANCE MONTHLY REPORT

Monthly Quality Assurance Report

Table Content

S.N	TITLE	PAGE	REMARKS
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2	Material submittal and Approval Status	5-9	
3	Project Management System	10-11	
4	Process Control Documents Status	12-16	
5	Non-conformance Status	17-18	
6	Quality Audits Status	18	
7	Inspection Status	19	
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9	Monitoring of Suppliers Status	42-43	
10	Training/Induction Status	44	

1.0 QA QC MANPOWER STATUS

Project: GWTSNC:

Monthly Quality Assurance Report

QC MANPOWER STRENGTH																				Month	Dec-20	
COMPANY	TRADE	2019										2020										Total
		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
GWTSNC	QA/QC Head	1	0	0	0	1	1	1	1	1	1	1	1	1*	1*	1*	1*	1*	1	1	1	17
	QA/QC Supervisor	0	1	1	1	1	1	1	1	1	1	1	1	1*	1*	1	1	1	1	1	1	19
	QA/QC ENGINEER	0	0	0	0	0	0	0	1	1	1	1	1	1*	1	1	1	1	1	1	1	13
	QA/QC Doc controller	0	0	0	0	0	0	1	1	1	1	1	1	1*	1*	1*	1	1	1	1	1	14
CAMCE	QA MANAGER	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	08
	QC Engineer & Material Engineer	0	0	1	1	1	2	2	2	2	2	2	2	1	2	2	2	2	2	2	3	33
	Lab Technician	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	3	3	2	2	2	22
SDWP	QC MANAGER	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	10
	QC Engineer/Lab Engineer	0	1	1	2	2	3	2	2	2	1	1	1	1*	1*	1*	1*	1*	1	1	2	27
	QC Inspector	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	0	1	08
MENARD	QA MANAGER	0	0	1	1	1	1	1	1	2	2	2	1	1*	1*	1*	1*	1*	1	1	1	21
	QC ENGINEER	0	0	0	0	0	1	1	1	3	3	3	3	0	0	0	2	2	1	1	1	22
	Lab Technician	0	0	0	0	0	0	0	0	3	3	3	3	2	2	2	2	2	2	3	2	29
		2	3	7	6	8	12	13	14	20	18	17	16	11	11	11	15	15	15	15	16	

Note: (*) The persons are working from Home (WFH).

1.0 QA QC MANPOWER STATUS

Project: GWTSNC:

Monthly Quality Assurance Report

QC MANPOWER STRENGTH																				Month	April-2021			
COMPANY	TRADE	2021												2022								Total		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG			
GWTSNC	QA/QC Head	1	1	1	1																		4	
	QA/QC Engineer	1	1	1	1																			4
	QA/QC Supervisor	2	2	2	3																			9
	QA/QC Doc controller	1	1	1	1*																			4
	Lab Engineer	0	1	1	1																			3
	Lab Technicians	0	1	1	1																			3
CAMCE	QC Manager	0	0	0	0																		0	
	QC Engineer/Inspector	2	2	2	3																		9	
	Material Engineer	1	1	0	1																		3	
	Lab Technician	2	2	2	2																		6	
SDWP	QC Manager	1	-	-	-																		1	
	QC Engineer/Inspector	2	-	-	-																		2	
	Material Engineer	1	-	-	-																		1	
	Lab Technician	3	-	-	-																		3	
MENARD	QC Manager	1	-	-																			1	
	QC Engineer/Inspector	-	-	-	-																		0	
	Lab Technician	-	-	-	-																		0	
ARIDOD	QC Manager	0	0	0	0																		0	
	QC Engineer/Inspector	0	0	1	1																		2	
	Lab Technician	0	0	0	0																		0	
		18	10	10	15																			

Note: (*) The persons are working from Home (WFH).

Monthly Quality Assurance Report

2.0 Material submittal and Approval Status

Project: GWTSNC

Subject: Permanent Material submittal and Approval Status

Month: Apr-21

Sr. No	Material Title	Discipline	Doc. Number	Revision	Publication Date	Submission Status	Approval Status	Remarks	Submitted By
1	CEMENT	CIVIL WORK	B-001464-CMC-QC-W00-SD-0001	A	30/12/2019	IFA	APC	FRESH CEMENT	CMC
2	COARSE AGGREGATE	CIVIL WORK	B-001464-CMC-QC-W00-SD-0002	A	30/12/2019	IFA	APC	NUPUR ENTERPRISE	CMC
3	COARSE & FINE AGGREGATE	CIVIL WORK	B-001464-CMC-QC-W00-SD-0009	A	23/03/2020	IFA	APC	BHAIRAB DEVELOPMENT SERVICE (BDS)	CMC
4	COARSE & FINE AGGREGATE	CIVIL WORK	B-001464-CMC-QC-W00-SD-0009	B	04/06/2020	IFA	APP	BHAIRAB DEVELOPMENT SERVICE (BDS)	CMC
5	COARSE AGGREGATE	CIVIL WORK	B-001464-CMC-QC-W00-SD-0012	B	20/07/2020	IFA	APC	BASHUNDHARA MULTI TRADING LIMITED	CMC
6	FINE AGGREGATE	CIVIL WORK	B-001464-CMC-QC-W00-SD-0011	B	20/07/2020	IFA	REJ	JAHID TRADING INTERNATIONAL	CMC
7	CONCRETE ADMIXTURE	CIVIL WORK	B-001464-CMC-QC-W00-SD-0004	B	23/03/2020	IFA	APC	SOBUTE (BD) CO.LTD	CMC
8	CONCRETE ADMIXTURE	CIVIL WORK	B-001464-CMC-QC-W00-SD-0004	C	04/06/2020	IFA	APP	SOBUTE (BD) CO.LTD	CMC
9	PVC WATER STOP	CIVIL WORK	B-001464-CMC-QC-W00-SD-0007	A	23/03/2020	IFA	APC	ZAHER & BROTHERS	CMC
10	PVC WATER STOP	CIVIL WORK	B-001464-CMC-QC-W00-DT-0010	A	26/11/2019	IFA	APP	TOCOMA LIMITED	CMC
11	FILLER (POLYCELL)	CIVIL WORK	B-001464-CMC-QC-W00-SD-0008	A	23/03/2020	IFA	REJ	POLYCELL	CMC

Monthly Quality Assurance Report

12	STEEL REINFORCEMENT	CIVIL WORK	B-001464-CMC-QC-W00-SD-0010	A	23/03/2020	IFA	APC	KSRM	CMC
131	STEEL REINFORCEMENT	CIVIL WORK	B-001464-CMC-QC-W00-SD-0010	B	04/06/2020	IFA	APP	KSRM	CMC
14	STEEL REINFORCEMENT	CIVIL WORK	B-001464-CMC-QC-W00-DT-0001	B	04/04/2020	IFA	APP	BSRM	CMC
15	CONCRETE RELEASE AGENTS	CIVIL WORK	B-001464-CMC-QC-W00-SD-0015	A	08/09/2020	IFA	APC	SOBUTE (BD) CO.LTD	CMC
16	STEEL REINFORCEMENT	CIVIL WORK	B-001464-CMC-QC-W00-SD-0016	C	16/11/2020	IFA	APP	GPH ISPAT LTD	CMC
17	SOURCE DOCUMENT OF PREMIER CEMENT MILLS LTD.	CIVIL WORK	B-001464-CMC-QC-W00-SD-0017	B	28/01/2021	IFA	APC	PREMIER CEMENT MILLS LTD.	CMC
18	POLYETHYLENE FILLER	CIVIL WORK	B-001464-CMC-QC-W00-SD-0018	C	11/02/2021	IFA	APC	Hengshui Dison Transportation CO.LTD	CMC
19	ASPHALT CORROSION PROTECTION	CIVIL WORK	B-001464-CMC-QC-W00-SD-0019	A	31/12/2021	IFA	REJ	BITUMIEX	CMC
20	ASPHALT CORROSION PROTECTION	CIVIL WORK	B-001464-CMC-QC-W00-SD-0019	B	24/01/2021	IFA	APC	ELITE PAINT	CMC
21	35 MM2 BARE COPPER CONDUCTOR	CIVIL WORK	B-001464-CMC-QC-W00-SD-0020	A	23/01/2021	IFA	INF	Poly Cable Industries Limited	CMC
22	CEMENT	CIVIL WORK	B-001464-MEN-QA-G00-SD-0001	A	27/10/2019	IFA	APC	CROWN CEMENT	MEN
23	CEMENT	CIVIL WORK	B-001464-MEN-QA-G00-SD-0002	A	27/10/2019	IFA	APC	FRESH CEMENT	MEN
24	CEMENT	CIVIL WORK	B-001464-MEN-QA-G00-SD-0004	A	27/10/2019	IFA	APC	LAFARGE HOLCIM	MEN

Monthly Quality Assurance Report

25	STEEL REINFORCEMENT	CIVIL WORK	B-001464-MEN-QA-G00-SD-0003	A	12/01/2020	IFA	APC	BSRM	MEN
26	STEEL REINFORCEMENT	CIVIL WORK	B-001464-SDW-DC-IT0-SD-0003	A	03/10/2019	IFA	APC	BSRM	SDWP
27	STEEL REINFORCEMENT	CIVIL WORK	B-001464-SDW-DC-IT0-SD-0004	A	03/10/2019	IFA	APC	KSRM	SDWP
28	STEEL REINFORCEMENT	CIVIL WORK	B-001464-SDW-QC-I00-SD-0005	A	02/03/2020	IFA	APP	BSRM	SDWP
29	ADMIXTURE	CIVIL WORK	B-001464-SDW-QC-I00-SD-0002	A	02/03/2020	IFA	APP	SOBUTE(BD) CO.LTD	SDWP
30	FINE AGGREGATE	CIVIL WORK	B-001464-SDW-QC-I00-SD-0003	A	02/03/2020	IFA	APP	DIGITAL CRUSHING STONE	SDWP
31	COARSE AGGREGATE	CIVIL WORK	B-001464-SDW-QC-I00-SD-0004	A	02/03/2020	IFA	APC	DIGITAL CRUSHING STONE	SDWP
32	WATER STOPPER	CIVIL WORK	B-001464-SDW-QC-I00-SD-0009	B	02/01/2020	IFA	REJ	TOCOMA LIMITED	SDWP
33	WATER STOPPER	CIVIL WORK	B-001464-SDW-QC-I00-SD-0009	C	03/04/2020	IFA	APP	TOCOMA LIMITED	SDWP
34	CEMENT	CIVIL WORK	B-001464-SDW-QC-IT0-SD-0007	A	02/03/2020	IFA	APP	FRESH CEMENT	SDWP
35	PIPE PILE SOURCE & SUPPLIER	CIVIL WORK	B-001464-SDW-QC-I00-SD-0008	A	23/04/2020	IFA	APC	SHUNLI STEEL, CHINA	SDWP
36	STEEL PIPE PILE	CIVIL WORK	B-001464-SDW-QC-IT0-SD-0001	A	22/04/2020	IFA	APC	THREWAY STEEL CO.LTD	SDWP
37	SHEET PILE	CIVIL WORK	B-001464-SDW-QC-I00-SD-0010	A	30/04/2020	IFA	INF	Anshan Zizhu Int. Trading CO.LTD	SDWP
38	INDEPENDENT 3rd PARTY LABORATORY TEST CONDUCT	CIVIL WORK	B-001464-SDW-QC-I00-SD-0006	A	15/04/2020	IFI	INF	PROSOIL FOUNDATION CONSULTANT)	SDWP
39	INDEPENDENT 3rd PARTY LABORATORY TEST	CIVIL WORK	B-001464-SDW-QC-I00-SD-0011	A	13/05/2020	IFA	APP	BANGLADESH INDUSTRIAL X-RAY	SDWP
40	SURVEY EQUIPMENT CALIBRATION	CIVIL WORK	B-001464-SDW-QC-I00-SD-0012	A	13/05/2020	IFA	REJ	TSS CORPORATION	SDWP

Monthly Quality Assurance Report

41	SURVEY EQUIPMENT CALIBRATION COMPANY	CIVIL WORK	B-001464-SDW-QC-I00-SD-0014	A	09/11/2020	IFA	APC	OVERSEAS MARKETING CORPORATION (PVT.) LTD.	SDWP
42	COARSE AGGREGATE	CIVIL WORK	B-001464-SDW-QC-I00-SD-0007	B	08/12/2020	IFA	APC	DUBAI	SDWP
43	WELDING INSPECTION AND TESTING COMPANY	CIVIL WORK	B-001464-SDW-QC-I00-SD-0018	A	20/12/2020	IFA	APC	IITS	SDWP
44	WELDING INSPECTION AND TESTING COMPANY	CIVIL WORK	B-001464-SDW-QC-I00-SD-0018	B	24/01/2021	IFA	APP	IITS	SDWP
45	SOURCE DOCUMENTS FOR BITUMEN EMULSION	CIVIL WORK	B-001464-SDW-QC-I00-SD-0021	A	03/01/2021	IFA	REJ	Bayar Cad.	SDWP
46	NON-SHRINK GROUT	CIVIL WORK	B-001464-SDW-QC-I00-SD-0022	A	03/01/2021	IFA	APC	BERGER	SDWP
47	CONCRETE BLOCK	CIVIL WORK	B-001464-SDW-QC-I00-SD-0016	B	12/01/2021	IFA	REJ	Master Concrete Block	SDWP
48	CONCRETE BLOCK	CIVIL WORK	B-001464-SDW-QC-I00-SD-0016	C	10/02/2021	IFA	APC	Master Concrete Block	SDWP
49	METAL WATER STOPPER	CIVIL WORK	B-001464-SDW-QC-I00-SD-0020	C	13/01/2021	IFA	APC	I-Enterprise	SDWP
50	CORROSION INHIBITOR ADMIXTURE	CIVIL WORK	B-001464-GWT-QC-G00-SD-0001	A	05/05/2020	IFA	INF	WEBER SAINT GOBAIN	GWT
51	CORROSION INHIBITOR ADMIXTURE	CIVIL WORK	B-001464-GWT-QC-G00-SD-0002	A	12/05/2020	IFA	INF	CHEMBOND Chemical Limited	GWT
52	SD FOR BITUMEN EMULSION	CIVIL WORK	B-001464-GWT-QC-G00-SD-0003	A	13/02/2021	IFA	APC	BASF	GWT
53	SD FOR BONDING AGENT	CIVIL WORK	B-001464-GWT-QC-I00-SD-0001	A	14/02/2021	IFA	APC	BASF	GWT
54	SD FOR RELEASE AGENT	CIVIL WORK	B-001464-GWT-QC-I00-SD-0002	A	16/02/2021	IFA	CTL	BASF	GWT
55	SD FOR BITUMEN EMULSION	CIVIL WORK	B-001464-GWT-QC-I00-SD-0003	A	04/03/2021	IFA	APC	MAAN INTERNATIONAL	GWT
56	SD FOR AXIAL STATIC PILE LOAD TEST COMPANY	CIVIL WORK	B-001464-GWT-QC-I00-SD-0005	A	28/04/2021	IFA	CTL	(INVARIANTS LTD)	GWT

Monthly Quality Assurance Report

Project: GWTSNC

Subject: Material submittal and Approval Status

Month: April-2021

Package No.	Name of Company	Discipline	Total Submitted	Total APP	Total APC	Total INF	Total REJ	Total CTL	Remarks
1	CAMCE	CIVIL	21	06	11	01	03	00	
2	MENARD	CIVIL	04	00	04	00	00	00	
3	SDWP	CIVIL	24	07	11	02	04	00	
4	GWTSNC	CIVIL	07	00	03	02	00	02	

For the month of April-2021(Material submittal)

- 1) **CAMCE**: Total submitted 00 No's
- 2) **MENARD**: Total submitted 00 No's.
- 1) **SDWP**: Total submitted 00 No's
- 3) **GWTSNC**: Total submitted 01 No's, For Approval (CTL) 01 No's.

Monthly Quality Assurance Report

3.0 Project Management System

Project: GWTSNC

Subject: Project Management System Status

Month: April-21

Sr. No	Doc. Title	Discipline	Rev .	Doc. Number	Document revision	Publication Date	Submission Status	Approval Status	Remarks
1	TRAFFIC MANAGEMENT PLAN	CN	A	B-001464-GWT-CN-I00-MP-0001	IFA	28/10/2019	Submitted	APC	
2	TRAFFIC MANAGEMENT PLAN	CN	B	B-001464-GWT-CN-I00-MP-0001	IFA	20/01/2020	Submitted	APC	
3	ENVIRONMENTAL MANAGEMENT SYSTEM	EN	A	B-001464-GWT-EN-G00-MP-0008	IFA	07/05/2019	Submitted	APC	
4	ENVIRONMENTAL MANAGEMENT PLAN	EN	A	B-001464-GWT-EN-G00-MP-0009	IFA	07/05/2019	Submitted	APC	
5	ENVIRONMENTAL MANAGEMENT PLAN	EN	B	B-001464-GWT-EN-G00-MP-0009	IFA	10/01/2020	Submitted	REJ	
6	ENVIRONMENTAL MANAGEMENT PLAN	EN	C	B-001464-GWT-EN-G00-MP-0009	IFI	27/02/2020	Submitted	INF	
7	SITES TRAFFIC MANAGEMENT PLAN	HS	A	B-001464-GWT-HS-G00-MP-0001	IFA	17/07/2020	Submitted	APC	
8	SITES TRAFFIC MANAGEMENT PLAN	HS	B	B-001464-GWT-HS-G00-MP-0001	IFA	15/08/2020	Submitted	APP	
9	MANAGEMENT PLAN HEALTH & SAFETY	HS	A	B-001464-GWT-HS-G00-MP-0007	IFA	07/05/2019	Submitted	APC	
10	HEALTH & SAFETY PLAN	HS	A	B-001464-GWT-HS-G00-MP-0008	IFA	07/05/2019	Submitted	APC	
11	HEALTH & SAFETY PLAN	HS	B	B-001464-GWT-HS-G00-MP-0008	IFA	17/06/2020	Submitted	APP	
12	QUALITY MANAGEMENT SYSTEM	QA	A	B-001464-GWT-QA-G00-MP-0007	IFA	07/05/2019	Submitted	APP	
13	QUALITY MANAGEMENT PLAN	QA	A	B-001464-GWT-QA-G00-MP-0008	IFA	07/05/2019	Submitted	APP	
14	ENVIRONMENTAL MANAGEMENT PLAN	EN	A	B-001464-GWT-EN-G00-MP-0013	IFA	25/02/2020	Submitted	APP	
15	ENVIRONMENTAL MANAGEMENT PLAN	EN	B	B-001464-GWT-EN-G00-MP-0013	IFA	09/06/2020	Submitted	APC	

Monthly Quality Assurance Report

16	ENVIRONMENTAL MANAGEMENT PLAN	EN	C	B-001464-GWT-EN-G00-MP-0013	IFA	19/06/2020	Submitted	APP	
17	ENVIRONMENTAL MANAGEMENT PLAN	EN	A	B-001464-GWT-EN-G00-MP-0012	IFA	25/02/2020	Submitted	APP	
18	ENVIRONMENTAL MANAGEMENT PLAN	EN	B	B-001464-GWT-EN-G00-MP-0012	IFA	09/06/2020	Submitted	APC	
19	ENVIRONMENTAL MANAGEMENT PLAN	EN	C	B-001464-GWT-EN-G00-MP-0012	IFA	19/06/2020	Submitted	APP	
20	ENVIRONMENTAL MANAGEMENT PLAN	EN	A	B-001464-GWT-EN-G00-MP-0011	IFA	25/02/2020	Submitted	APC	
21	ENVIRONMENTAL MANAGEMENT PLAN	EN	B	B-001464-GWT-EN-G00-MP-0011	IFA	09/06/2020	Submitted	APC	
22	ENVIRONMENTAL MANAGEMENT PLAN	EN	C	B-001464-GWT-EN-G00-MP-0011	IFA	19/06/2020	Submitted	APP	
23	WASTE MANAGEMENT PLAN	EN	A	B-001464-GWT-EN-G00-MP-0014	IFA	17/07/2020	Submitted	REJ	
24	WASTE MANAGEMENT PLAN	EN	B	B-001464-GWT-EN-G00-MP-0014	IFA	04/10/2020	Submitted	APC	
25	WASTE MANAGEMENT PLAN	EN	C	B-001464-GWT-EN-G00-MP-0014	IFA	21/12/2020	Submitted	APC	
26	EMERGENCY RESPONSE MANAGEMENT PLAN RAW WATER TRANSMISSION SITE	HS	A	B-001464-GWT-HS-R00-MP-0002	IFA	20/04/2021	Submitted	CTL	
27	SOP FOR HOT WORKS RAW WATER TRANSMISSION SITE	HS		B-001464-GWT-HS-R00-MP-0003	IFA	20/04/2021	Submitted	CTL	

Project: GWTSNC

Subject: Management Plan Submittal & Approval Status Month

Month: April-2021

Package No.	Name of Company	Discipline	Total Submitted	Total Re-Submitted	Total REJ	Total APP	Total APC	Total INF	Total CTL	Remarks
1	GWTSNC	Civil	27	13	02	09	13	01	02	

For the month of April-2021 (Project Management System)

2) **GWTSNC**: Total submitted 02 No's, For Approval (CTL) 02 No's

Monthly Quality Assurance Report

4.0 Process Control Documents Status

Project: GWTSNC

Subject: Method Statement Submittal & Approval Status

Month: April-21

Sr. No	Doc. Title	Discipline	Rev	Doc. Number	Document Revision	Publication Date	Submission Status	Approval Status	Remarks
1	MS For Sand Filling	CIVIL	A	B-001464-CMC-CW-W00-PR-0001	IFA	20/05/2019	Submitted	REJ	CAMCE
2	MS For Sand Filling	CIVIL	B	B-001464-CMC-CW-W00-PR-0001	IFA	23/07/2019	Submitted	APC	CAMCE
3	MS For REBAR FABRICATION & INSTALLATION WORKS	CIVIL	A	B-001464-CMC-CW-W00-PR-0019	IFA	15/08/2020	Submitted	APC	CAMCE
4	MS For REBAR FABRICATION & INSTALLATION WORKS	CIVIL	B	B-001464-CMC-CW-W00-PR-0019	IFA	18/11/2020	Submitted	APC	CAMCE
5	MS For REBAR FABRICATION & INSTALLATION WORKS	CIVIL	C	B-001464-CMC-CW-W00-PR-0019	IFA	18/01/2021	Submitted	APP	CAMCE
6	MS For Concrete Works	CIVIL	B	B-001464-CMC-CW-W00-PR-0005	IFA	15/08/2020	Submitted	APC	CAMCE
7	MS For Concrete Works	CIVIL	C	B-001464-CMC-CW-W00-PR-0005	IFA	18/11/2020	Submitted	APC	CAMCE
8	MS For Concrete Works	CIVIL	D	B-001464-CMC-CW-W00-PR-0005	IFA	18/01/2021	Submitted	APC	CAMCE
9	MS For Earthworks	CIVIL	B	B-001464-CMC-CW-W00-PR-0004	IFA	15/08/2020	Submitted	APC	CAMCE
10	MS For Earthworks	CIVIL	C	B-001464-CMC-CW-W00-PR-0004	IFA	18/11/2020	Submitted	APC	CAMCE
11	MS For WATERSTOP	CIVIL	A	B-001464-CMC-CW-W00-PR-0003	IFA	15/08/2020	Submitted	APC	CAMCE
12	MS For WATERSTOP	CIVIL	B	B-001464-CMC-CW-W00-PR-0003	IFA	18/11/2020	Submitted	APC	CAMCE

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13	MS For TOWER CRANE INSTALLATION	CIVIL	A	B-001464-CMC-CW-W00-PR-0018	IFA	15/08/2020	Submitted	INF	CAMCE
14	MS For TOWER CRANE DISMANTLING	CIVIL	A	B-001464-CMC-CW-W00-PR-0002	IFA	15/08/2020	Submitted	INF	CAMCE
15	MS For Formwork	CIVIL	C	B-001464-CMC-CW-W00-PR-0006	IFA	16/08/2020	Submitted	APC	CAMCE
16	MS For Formwork	CIVIL	D	B-001464-CMC-CW-W00-PR-0006	IFA	18/11/2020	Submitted	APC	CAMCE
17	MS For Formwork	CIVIL	E	B-001464-CMC-CW-W00-PR-0006	IFA	28/01/2021	Submitted	APP	CAMCE
18	MS For CONSTRUCTION SCHEME OF STEEL SHEET PILE	CIVIL	A	B-001464-CMC-CW-W00-PR-0017	IFA	18/08/2020	Submitted	INF	CAMCE
19	Night Shift Procedure	CIVIL	B	B-001464-CMC-HS-W00-PR-0001	IFR	22/10/2020	Submitted	INF	CAMCE
20	MS FOR CONCRETE REPAIRING	CIVIL	C	B-001464-CMC-CW-W00-PR-0022	IFA	28/01/2021	Submitted	REJ	CAMCE
21	MS FOR CONCRETE REPAIRING	CIVIL	D	B-001464-CMC-CW-W00-PR-0022	IFA	09/03/2021	Submitted	APC	CAMCE
22	Site Trial Area Presentation Part-01	CIVIL	A	B-001464-MEN-CG-G00-PR-0001	IFA	06/10/2019	Submitted	REJ	MEN
23	MS For DSM Activities	DSM	B	B-001464-MEN-CG-G00-PR-0002	IFC	06/10/2019	Submitted	INF	MEN
24	Trials Report Part-02 WTP	DSM	A	B001464-MEN-CG-G00-PR-0005	IFR	16/02/2020	Submitted	APC	MEN
25	Trials Report Part-02 INTAKE	DSM	B	B001464-MEN-CG-G00-PR-0004	IFR	20/01/2020	Submitted	APC	MEN
26	Quality Assurance & Quality Control Plan DSM	CIVIL	D	B001464-MEN-QA-G00-PR-0001	IFA	17/12/2019	Submitted	APC	MEN
27	MS for Site Clearance	CIVIL	A	B001464-SDW-CW-I00-PR-0001	IFA	20-05-2019	Submitted	APC	SDWP
28	MS For Sand Filling	CIVIL	A	B001464-SDW-CW-I00-PR-0002	IFA	20-05-2019	Submitted	REJ	SDWP

Monthly Quality Assurance Report

29	MS For Sand Filling	CIVIL	B	B001464-SDW-CW-I00-PR-0002	IFA	23/07/2019	Submitted	APC	SDWP
30	MS For Sand Filling	CIVIL	A	B-001464-SDW-CW-I00-PR-0019	IFA	06/07/2020	Submitted	REJ	SDWP
31	MS for SAND FILLING (TECHNICAL FILL)	CIVIL	B	B-001464-SDW-CW-I00-PR-0019	IFA	15/08/2020	Submitted	APC	SDWP
32	MS For Sheet Pile Work	CIVIL	A	B001464-SDW-CW-I00-PR-0012	IFA	28/02/2020	Submitted	APC	SDWP
33	MS for Pipe Pile	CIVIL	C	B-001464-SDW-CW-I00-PR-0005	IFA	28/05/2020	Submitted	REJ	SDWP
34	MS for Pipe Pile	CIVIL	D	B-001464-SDW-CW-I00-PR-0005	IFA	03/09/2020	Submitted	APC	SDWP
35	MS for Pipe Pile	CIVIL	E	B-001464-SDW-CW-I00-PR-0005	IFA	03/11/2020	Submitted	APP	SDWP
36	MS for Dyke	CIVIL	A	B-001464-SDW-CW-I00-PR-0018	IFA	07/09/2020	Submitted	APC	SDWP
37	MS FOR COMPACTION MONITORING BY CPTU	CIVIL	A	B-001464-SDW-QC-I00-PR-0003	IFA	13/09/2020	Submitted	REJ	SDWP
38	MS FOR COMPACTION MONITORING BY CPTU	CIVIL	B	B-001464-SDW-QC-I00-PR-0003	IFA	25/10/2020	Submitted	APC	SDWP
39	MS for Field Welding	CIVIL	B	B-001464-SDW-WE-I00-PR-0001	IFA	20/07/2020	Submitted	APC	SDWP
40	MS for WPS AND PQR	CIVIL	B	B-001464-SDW-WE-I00-PR-0002	IFA	20/07/2020	Submitted	APC	SDWP

Monthly Quality Assurance Report

41	MS for MATERIALS COLLECTION, CONCRETE SUPPLY WORK, AND CONCRETE WORKS	CIVIL	A	B-001464-SDW-CW-I00-PR-0020	IFA	14/12/2020	Submitted	APC	SDWP
42	MS for MATERIALS COLLECTION, CONCRETE SUPPLY WORK, AND CONCRETE WORKS	CIVIL	C	B-001464-SDW-CW-I00-PR-0020	IFA	07/02/2021	Submitted	APC	SDWP
43	MS FOR SHEET PILE WORK (PU 22 & PU 32)	CIVIL	A	B-001464-SDW-CW-I00-PR-0021	IFA	03/02/2021	Submitted	APC	SDWP
44	MS for STATIC AXIAL COMPRESSIVE LOAD TEST	CIVIL	C	B-001464-SDW-QC-I00-PR-0004	IFA	22/12/2020	Submitted	APC	SDWP
45	MS for TC RAFT CONSTRUCTION WITH TEMPERATURE CONTROL	CIVIL	A	B-001464-GWT-QC-W40-PR-0001	IFR	10/07/2020	Submitted	APC	GWTSNC
46	MS for TC RAFT CONSTRUCTION WITH TEMPERATURE CONTROL	CIVIL	B	B-001464-GWT-QC-W40-PR-0001	IFR	10/08/2020	Submitted	INF	GWTSNC
47	MS for VERTICAL WALL CASTING I30	CIVIL	A	B-001464-GWT-CW-I30-PR-0001	IFA	14/02/2021	Submitted	APC	GWTSNC
48	MS for REPAIR WORK	CIVIL	A	B-001464-GWT-CW-I00-PR-0001	IFA	17/02/2021	Submitted	REJ	GWTSNC
49	MS for CASTING PROCEDURE OF I10	CIVIL	A	B-001464-GWT-CW-I10-PR-0001	IFA	27/02/2021	Submitted	APC	GWTSNC
50	MS for EXCAVATION I40	CIVIL	A	B-001464-GWT-CW-I40-PR-0001	IFA	04/03/2021	Submitted	APC	GWTSNC
51	MS for STATIC AXIAL COMPRESSIVE LOAD TEST	CIVIL	A	B-001464-GWT-QC_I00_PR_0001	IFA	04/03/2021	Submitted	APC	GWTSNC

Monthly Quality Assurance Report

Project: GWTSNC

Subject: Method Statement Submittal & Approval Status

Month: April-21

Package No.	Name of Company	Discipline	Total Submitted	Total APP	Total APC	Total INF	Total REJ	Total CTL	Remarks
1	CAMCE	CIVIL	21	02	13	04	02	00	
2	MENARD	CIVIL	05	00	03	01	01	00	
3	SDWP	CIVIL	18	01	13	00	04	00	
4	GWTSNC	CIVIL	07	00	05	01	01	00	

For the month of April-2021(Method Statement)

- 1) **CAMCE**: Total submitted 00 No's.
- 2) **MENARD**: Total submitted 00 No's.
- 3) **SDWP**: Total submitted 00 No's.
- 4) **GWTSNC**: Total submitted 00 No's.

5.0 Non-conformance Status

Project: GWTSNC

Subject: Non-conformance Report Status

Month: April-21

Sr. No	Doc. Title	Doc. Number	Status	Issue Date	Closed Date	Remark	Name of Contractor.
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Monthly Quality Assurance Report

WTP							
1	W40 concreting mix (chemical analysis)	NC-001	Open	28/10/2020	Not yet closed	Closing process under progress	GWTSNC
2	High Concrete Temperature	NC-002	Closed	28/10/2020	03/11/2020	Closed by email	GWTSNC
3	Expansion/Movement Joints	NC-003	Closed	28/10/2020	18/11/2020	Closed by email	GWTSNC
4	Insufficient Reinforcement Cover (B1 Raft, Sump)	NC-004	Responded	11/22/2020	Under Review with MDSC	Remedial Work under Inspection with MDSC	GWTSNC
5	Construction of 3 Nos Columns at Block A4 without approval	NC-005	Closed	09/02/2021	14/02/2021	Closed by email	GWTSNC
6	Concrete Repair Block A3 W14 Without Approval	B-001464-MDS-QA-W00-NC-0006	Closed	23/03/2021	23/03/2021	Closed by email	GWTSNC
7	Formwork Fixings for Columns and Internal Walls	B-001464-MDS-QA-W00-NC-0007	Closed	23/03/2021	23/03/2021	Closed by email	GWTSNC
INTAKE							
1	Compaction quality for dyke	NC-001	Closed	09/04/2020	27/01/2021	Closed by email	GWTSNC

Project: GWTSNC

Subject: Non-conformance Report Status

Name of Company	Name of Company	Total NCR Issued	Total NCR Closed	Total NCR Responded	Total NCR Open	Remarks
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Monthly Quality Assurance Report

GWTSNC	WTP	07	05	01	01	For Open NCR's Corrective Action in Progress
GWTSNC	INTAKE	01	01	00	00	

For the month of April-2021(Non-conformance Report)

- 1) **WTP**: Total Issued 00 No's, Closed 00 Nos
- 2) **INTAKE**: Total Issued 00 No's, Closed 00 Nos.

6.0 Quality Audits Status

Project: GWTSNC

Subject: QMS Audits Status

Month:

April-2021

Auditors	Audit Date	Company Audited	NCR	No of Observations	No. of Closed Observations this month	No. of Closed Observations this till date	Remarks
GWTSNC	09.03.2020 to 10.03.2020	Menard	01	10	10	0	NCR 01 Closed
GWTSNC	09-01-2021 to 13-01-2021	GWTSNC	00	27	08	10	00

Monthly Quality Assurance Report

7.0 Inspection Status

Project: GWTSNC

Subject: RFI (Request for Inspection) Status

Month:

April-2021

Package No.	Location	Name of Company	Discipline	RFI (Request for Inspection) Status						
				Total Issued	Total Accepted/Closed	Total Opening	Total Cancelled/Rejected	% of Closed	% of Opening	Remarks
1	INTAKE	MENARD	Civil	19	19	00	01	100.00%	00.00%	
2	WTP	MENARD	Civil	103	103	00	02	100.00%	100.00%	
3	WTP	CAMCE	Civil	768	453	315	9	58.98%	41.02%	
4	INTAKE	SDWP	Civil	71	70	1	1	98.59%	1.4%	
5	INTAKE	GWTSNC	Civil	32	14	18	00	43.75%	56.25%	
6	WTP	GWTSNC	Civil	06	00	06	00	00%	100%	
7	RWP	GWTSNC	Civil	09	05	04	00	55.56	44.44	

For the month of April-2021(Request for Inspection-RFI)

- 1) **CAMCE:** Total Issued 141 No's, Closed No 93.
- 2) **MENARD:** Total Issued 00 No's, Closed 00 No.
- 3) **SDWP:** Total Issued 00 No's, Closed 29 No.
- 4) **GWTSNC:** **INTAKE:** Total Issued 14 No's, Closed 13 No.
WTP: Total Issued 01 No's, Closed 00 No.
RWP: Total Issued 09 No's, Closed 05 No.

Monthly Quality Assurance Report

8.0 Laboratory Test Status

Project: GWTSNC
Subject: Laboratory Test Report Status

Month: April-2021

Sr. No	Title	Report Submission Status	Date of Report Publication	Report Passed	Report Failed	Sub-Contractor	Rev.	Doc. Number
1	Calibration Report of Laboratory Equipment	IFA	12/12/2019	APP		CMC	A	B-001464-CMC-QC-W00-TR-0010
2	Trial Mix of Concrete C-28/35	IFA	01/03/2020	APC		CMC	B	B-001464-CMC-QC-W00-TR-0011
3	Coarse Aggregate (BHAIAB DEVELOPMENT)	IFA	23/03/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0013
4	Coarse Aggregate (BHAIAB DEVELOPMENT)	IFA	04/06/2020	APP		CMC	B	B-001464-CMC-QC-W00-TR-0013
5	Fine Aggregate (BHAIAB DEVELOPMENT)	IFA	23/03/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0014
6	Fine Aggregate (BHAIAB DEVELOPMENT)	IFA	04/06/2020	APP		CMC	B	B-001464-CMC-QC-W00-TR-0014
7	Re-Bar (BSRM)	IFA	23/03/2020	APP		CMC	A	B-001464-CMC-QC-W00-TR-0015
8	Re-Bar (BSRM)	IFA	23/03/2020	APP		CMC	A	B-001464-CMC-QC-W00-TR-0016
9	Cement (FRESH)	IFA	23/03/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0017

Monthly Quality Assurance Report

10	Cement (FRESH)	IFA	04/06/2020	APP		CMC	B	B-001464-CMC-QC-W00-TR-0017
11	Water Test Report	IFA	23/03/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0018
12	Water Test Report	IFA	04/06/2020	APP		CMC	B	B-001464-CMC-QC-W00-TR-0018
13	Trial Mix of Concrete C-28/35	IFA	23/03/2020	REJ		CMC	A	B-001464-CMC-QC-W00-TR-0019
14	Trial Mix of Concrete C-28/35	IFA	09/05/2020	APC		CMC	B	B-001464-CMC-QC-W00-TR-0019
15	Trial Mix of Concrete C-16/20	IFA	23/03/2020	REJ		CMC	A	B-001464-CMC-QC-W00-TR-0020
16	Trial Mix of Concrete C-16/20	IFA	09/05/2020	APC		CMC	B	B-001464-CMC-QC-W00-TR-0020
17	FILL MATERIAL-TYPE-01	IFA	27/07/2020	REJ		CMC	A	B-001464-CMC-QC-W00-TR-0021
18	PCE ADMIXTURE (SOBUTE-PCA-01) MTC (DELIVERY NO-01)	IFA	27/07/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0022
19	CEMENT MTC-FRESH	IFA	27/07/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0023
20	REINFORCEMENTBSRM, DELIVERY NO- 02,03,05,06,07,08) (KSRM, DELIVERY NO-04)	IFA	27/07/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0024
21	Trial Mix of Concrete C-16/20	IFA	30/07/2020	REJ		CMC	A	B-001464-CMC-QC-W00-TR-0026
22	Trial Mix of Concrete C-28/35	IFA	30/07/2020	REJ		CMC	A	B-001464-CMC-QC-W00-TR-0027
23	Cement (FRESH)	IFA	30/07/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0028

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24	Re-Bar (BSRM)	IFA	30/07/2020	APP		CMC	A	B-001464-CMC-QC-W00-TR-0029
25	CONCRETE INTERNAL CORE TEMPERATURE RECORD	IFA	08/09/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0030
26	CONCRETE INTERNAL CORE TEMPERATURE RECORD OF TOWER CRANE NO. 02	IFA	20/09/2020	APC		CMC	B	B-001464-CMC-QC-W00-TR-0031
27	METAL WATER STOPPER THIRD PARTY (BUET)	IFA	14/09/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0032
28	Trial Mix of Concrete C-28/35	IFA	24/09/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0033
29	Trial Mix of Concrete C-16/20	IFA	24/09/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0034
30	CHEMICAL TEST REPORT OF INCOMING CA AND FA	IFA	07/02/2021	INF		CMC	B	B-001464-CMC-QC-W00-TR-0037
31	REINFORCEMENT-(BSRM, DELIVERY NO-09,10,11,12,13,14)	IFA	08/12/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0038
32	CEMENT MTC FRESH- (BATCH NO- 04,05,06,07,08)	IFA	08/12/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0039
33	PCE ADMIXTURE (SOBUTE-PCA-01)- (DELIVERY NO-02,03 & 04)	IFA	08/12/2020	APC		CMC	A	B-001464-CMC-QC-W00-TR-0040
34	THIRD PARTY POTENTIAL ALKALI REACTIVITY TEST REPORT OF INCOMING	IFA	16/01/2021	APP		CMC	B	B-001464-CMC-QC-W00-TR-0041
35	GPH REBAR THIRD PARTY (BUET) TEST REPORT	IFA	02/01/2021	APP		CMC	A	B-001464-CMC-QC-W00-TR-0042

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36	TRIAL MIX OF CONCRETE CLASS C16/M20 CEMENT: PREMIER	IFA	30/01/2021	APC		CMC	A	B-001464-CMC-QC-W00-TR-0043
37	TRIAL MIX OF CONCRETE CLASS C16/M20 CEMENT : PREMIER	IFA	14/02/2021	APP		CMC	B	B-001464-CMC-QC-W00-TR-0043
38	TRIAL MIX OF CONCRETE CLASS C28/M35 CEMENT: PREMIER	IFA	30/01/2021	APC		CMC	A	B-001464-CMC-QC-W00-TR-0044
39	TRIAL MIX OF CONCRETE CLASS C28/M35 CEMENT: PREMIER	IFA	14/02/2021	APP		CMC	B	B-001464-CMC-QC-W00-TR-0044
40	KSRM REBAR THIRD PARTY (BUET) TEST REPORT	IFA	04/02/2021	APP		CMC	A	B-001464-CMC-QC-W00-TR-0045
41	THIRD PARTY TEST REPORT OF SEALING BOARD SAMPLE	IFA	11/02/2021	INF		CMC	B	B-001464-CMC-QC-W00-TR-0046
42	CORE TEMPERATURE RECORD TOWER CRANE NUMBER #1	IFA	13/02/2021	APP		CMC	A	B-001464-CMC-QC-W00-TR-0048
43	BUET THIRD PARTY BATCHING PLANT AREA WATER TEST REPORT	IFA	15/03/2021	APP		CMC	A	B-001464-CMC-QC-W00-TR-0049
44	SBT ADMIXTURE THIRD PARTY (BUET) TEST REPORT	IFA	27/03/2021	APC		CMC	A	B-001464-CMC-QC-W00-TR-0050
45	Calibration Report of concrete batching Plant	IFA	25/04/2020	APC		CMC	A	B-001464-CMC-QC-W00-CE-0001

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46	Calibration Report of Survey Instrument total Station and Level Instrument	IFA	30/07/2020	APP		CMC	A	B-001464-CMC-QC-W00-CE-0002
47	TOTAL STATION CALIBRATION THIRD PARTY (BUET) TEST REPORT	IFA	20/09/2020	APP		CMC	A	B-001464-CMC-QC-W00-CE-0003
48	CALIBRATION CERTIFICATE OF CONCRETE THERMOMETER	IFA	02/11/2020	APC		CMC	A	B-001464-CMC-QC-W00-CE-0004
49	CALIBRATION CERTIFICATE OF LABORATORY EQUIPMENTS	IFA	13/12/2020	APC		CMC	A	B-001464-CMC-QC-W00-CE-0005
50	CALIBRATION CERTIFICATE OF CONCRETE BATCHING PLANT	IFA	11/01/2021	APC		CMC	B	B-001464-CMC-QC-W00-CE-0006
51	CALIBRATION CERTIFICATE OF STANDBY CONCRETE BATCHING PLANT	IFA	21/04/2021	CTL		CMC	A	B-001464-CMC-QC-W00-CE-0007
52	Plate Load Test Report-WTP	IFA	23/03/2020	REJ		MEN	A	B-001464-MEN-QA-W00-TR-0001
53	Plate Load Test Report-WTP	IFA	23/05/2020	APP		MEN	B	B-001464-MEN-QA-W00-TR-0001
54	Plate Load Test Report—W40	IFA	21/04/2020	APC		MEN	B	B-001464-MEN-QA-W40-TR-0002
55	Plate Load Test Report—W40(MAIN WORKS)	IFA	13/07/2020	APP		MEN	A	B-001464-MEN-QA-W40-TR-0003
56	Plate Load Test Report—W45	IFA	01/07/2020	APP		MEN	A	B-001464-MEN-QA-W45-TR-0002

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57	Tensile Test Report-WTP	IFA	23/03/2020	APC		MEN	A	B-001464-MEN-QA-W00-TR-0002
58	Tensile Test Report-WTP	IFA	23/05/2020	APP		MEN	B	B-001464-MEN-QA-W00-TR-0002
59	Plate Load Test Report-INTAKE	IFI	15/04/2020	APC		MEN	A	B-001464-MEN-QA-I00-TR-0001
60	Tensile Test Report-INTAKE	IFI	15/04/2020	APC		MEN	A	B-001464-MEN-QA-I00-TR-0002
61	Plate Load Test Report-INTAKE	IFI	15/04/2020	APC		MEN	A	B-001464-MEN-QA-I00-TR-0003
62	Wet samples Logbook-INTAKE	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I40-TR-0001
63	Wet samples Logbook-INTAKE	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I46-TR-0001
64	Wet samples Logbook-INTAKE	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I80-TR-0001
65	Wet samples Logbook-INTAKE	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I84-TR-0001
66	Wet samples Logbook-INTAKE	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I90-TR-0001
67	Wet samples Logbook-INTAKE	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I91-TR-0001
68	Wet samples Logbook-INTAKE	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I96-TR-0001
69	Wet samples Logbook-INTAKE	IFR	21/04/2020	INF		MEN	A	B-001464-MEN-QA-I30-TR-0001
70	Wet samples Logbook	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-I20-TR-0001
71	Core Samples UCS test protocol-INTAKE	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-I20-TR-0002

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72	Core Samples UCS test protocol-INTAKE	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-I40-TR-0002
73	Core Samples UCS test protocol-INTAKE	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-I80-TR-0002
74	Core Samples UCS test protocol-INTAKE	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-I84-TR-0002
75	Core Samples UCS test protocol-INTAKE	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-I90-TR-0002
76	Core Samples UCS test protocol-INTAKE	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-I91-TR-0002
77	Core Samples UCS test protocol-INTAKE	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-I96-TR-0002
78	WET SAMPLES LOGBOOK CROSS CONNECTION VALVES CHAMBER W01 BLOCK	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W01-TR-0001
79	CORE SAMPLES UCS RESULTS. CROSS CONNECTION VALVES CHAMBER W01, COLUMN 12	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W01-TR-0002
80	PLATE LOAD TEST RESULTS. CROSS CONNECTION VALVES CHAMBER W01 BLOCK. PLT-22	IFA	06/01/2021	APP		MEN	A	B-001464-MEN-QA-W01-TR-0003
81	Core Samples UCS test protocol-W40(COLUMNS 2788, 3437, 3702, 3946, 4279, 4313, 5215)	IFR	24/09/2020	INF		MEN	A	B-001464-MEN-QA-W40-TR-0004
82	CORE SAMPLES UCS RESULTS.GROUND RESERVOIR W40.COLUMNNS 5485, 5506	IFR	19/10/2020	INF		MEN	A	B-001464-MEN-QA-W40-TR-0005

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83	PLATE LOAD TEST RESULTS.GROUND RESERVOIR W40.PLT-13	IFA	20/10/2020	APP		MEN	A	B-001464-MEN-QA-W40-TR-0006
84	PLATE LOAD TEST RESULTS.GROUND RESERVOIR W40 PLT-9	IFA	15/11/2020	APP		MEN	A	B-001464-MEN-QA-W40-TR-0007
85	CORE SAMPLES UCS RESULTS.GROUND RESERVOIR W40. COLUMNS	IFR	30/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-TR-0009
86	PLATE LOAD TEST RESULTS.GROUND RESERVOIR W40. PLT-6, PLT-7, PLT-15	IFA	30/11/2020	APP		MEN	A	B-001464-MEN-QA-W40-TR-0010
87	CORE SAMPLES UCS RESULTS. GROUND RESERVOIR W40. COLUMNS 25,159, 276, 420, 690, 6179	IFR	09/12/2020	INF		MEN	A	B-001464-MEN-QA-W40-TR-0011
88	PLATE LOAD TEST RESULTS.GROUND RESERVOIR W40.PLT-10, PLT-11, PLT-12, PLT-14	IFA	09/12/2020	APP		MEN	A	B-001464-MEN-QA-W40-TR-0012
89	WET SAMPLES LOGBOOKGROUND RESERVOIR W40 BLOCK. SOUTH EAST AND SOUTH WEST PART AND OVERHANG	IFR	19/12/2020	INF		MEN	A	B-001464-MEN-QA-W40-TR-0013
90	Core Samples UCS test protocol-W46	IFR	24/09/2020	INF		MEN	A	B-001464-MEN-QA-W46-TR-0002
91	Wet samples Logbook-W40	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-W40-TR-0001

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92	WET SAMPLES LOGBOOKGROUND RESERVOIR W40 BLOCK. NORTH EAST AND NORTH WEST PART.	IFR	12/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-TR-0008
93	Wet samples Logbook-W45	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-W45-TR-0001
94	Wet samples Logbook-W45	IFR	13/07/2020	INF		MEN	A	B-001464-MEN-QA-W45-TR-0003
95	CORE SAMPLES UCS RESULTS.GROUND RESERVOIR W45.COLUMNS 5823, 5858, 6092, F1-10, F2-11, F3-15, OH-720	IFR	08/12/2020	INF		MEN	A	B-001464-MEN-QA-W45-TR-0004
96	Wet samples Logbook-W46	IFR	13/07/2020	INF		MEN	A	B-001464-MEN-QA-W46-TR-0001
97	WET SAMPLES LOGBOOK CHEMICAL BUILDING W50 BLOCK. PART 1	IFR	08/12/2020	INF		MEN	A	B-001464-MEN-QA-W50-TR-0001
98	CORE SAMPLES UCS RESULTS. CHEMICAL BUILDING W50. COLUMNS 89, 152, 272, 347	IFR	08/12/2020	INF		MEN	A	B-001464-MEN-QA-W50-TR-0002
99	PLATE LOAD TEST RESULTS. CHEMICAL BUILDING W50 BLOCK PLT-16 AND PLT-17	IFA	09/11/2020	APC		MEN	A	B-001464-MEN-QA-W50-TR-0003
100	WET SAMPLES LOGBOOK CHEMICAL BUILDING W50 BLOCK. PART 2	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W50-TR-0004
101	CORE SAMPLES UCS RESULTS. GROUND RESERVOIR W82. COLUMN 54	IFR	19/12/2020	INF		MEN	A	B-001464-MEN-QA-W82-TR-0001

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102	WET SAMPLES LOGBOOK GENERATOR BUILDING W82 BLOCK	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W82-TR-0002
103	PLATE LOAD TEST RESULTS, GENERATOR BUILDING W82 BLOCK PLT-18	IFA	31/12/2020	APP		MEN	A	B-001464-MEN-QA-W82-TR-0003
104	CORE SAMPLES UCS RESULTS. GROUND RESERVOIR W83. COLUMN 42	IFR	19/12/2020	INF		MEN	A	B-001464-MEN-QA-W83-TR-0001
105	WET SAMPLES LOGBOOK FUEL STORAGE TANKS W83 BLOCK	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W83-TR-0002
106	PLATE LOAD TEST RESULTS, FUEL STORAGE TANKS W83 BLOCK PLT-19	IFA	31/12/2020	APP		MEN	A	B-001464-MEN-QA-W83-TR-0003
107	WET SAMPLES LOGBOOK RESIDENTIAL BUILDINGS W90 GROUP OF BLOCKS	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W90-TR-0001
108	ORE SAMPLES UCS RESULTS RESIDENTIAL BUILDINGS W90 GROUP OF BLOCKS. COLUMN 38	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W90-TR-0002
109	PLATE LOAD TEST RESULTS. RESIDENTIAL BUILDINGS W90 GROUP OF BLOCKS. PLT-20	IFA	06/01/2021	APP		MEN	A	B-001464-MEN-QA-W90-TR-0003
110	WET SAMPLES LOGBOOK GUARD HOUSE W96 BLOCK	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W96-TR-0001

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111	CORE SAMPLES UCS RESULTS. GUARD HOUSE W96. COLUMN 12	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W96-TR-0002
112	PLATE LOAD TEST RESULTS. GUARD HOUSE W96 BLOCK PLT-21	IFA	02/01/2021	APP		MEN	A	B-001464-MEN-QA-W96-TR-0003
113	Calibration Certificates (Survey & Site Lab Equipment)	IFA	14/01/2020	APP		MEN	A	B-001464-MEN-QA-G00-CE-0001
114	Calibration Certificates (Site Lab Equipment)	IFA	19/12/2019	APP		MEN	A	B-001464-MEN-QA-G00-CE-0002
115	RECALIBRATION EQUIPMENT CERTIFICATES	IFA	30/11/2020	APC		MEN	A	B-001464-MEN-QA-G00-CE-0013
116	Input Controls Protocols	IFA	30/12/2019	INF		MEN	B	B-001464-MEN-QA-G00-CE-0003
117	Cement (CROWN BATCH-02)	IFA	23/03/2020	APC		MEN	A	B-001464-MEN-QA-G00-CE-0005
118	Cement (CROWN BATCH-02)	IFA	23/05/2020	APC		MEN	B	B-001464-MEN-QA-G00-CE-0005
119	Cement (CROWN BATCH-03)	IFA	23/03/2020	APC		MEN	A	B-001464-MEN-QA-G00-CE-0006
120	Cement (CROWN BATCH-03)	IFA	23/05/2020	APC		MEN	B	B-001464-MEN-QA-G00-CE-0006
121	Cement (CROWN BATCH-04)	IFA	23/05/2020	APC		MEN	A	B-001464-MEN-QA-G00-CE-0009
122	Cement (FRESH BATCH-02)	IFA	23/03/2020	APC		MEN	A	B-001464-MEN-QA-G00-CE-0007
123	Cement (FRESH BATCH-02)	IFA	23/05/2020	APP		MEN	B	B-001464-MEN-QA-G00-CE-0007

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124	Cement (FRESH BATCH-02)	IFA	23/05/2020	INF		MEN	A	B-001464-MEN-QA-G00-CE-0010
125	Cement (CROWN BATCH-05 & FRESH BATCH-03 & 04)	IFA	18/07/2020	APC		MEN	A	B-001464-MEN-QA-G00-CE-0011
126	Re-Bar (BSRM-02)	IFA	23/03/2020	APC		MEN	A	B-001464-MEN-QA-G00-CE-0008
127	Re-Bar (BSRM-02)	IFA	01/07/2020	APP		MEN	B	B-001464-MEN-QA-G00-CE-0008
128	Re-Bar (BSRM-03)	IFA	18/07/2020	APC		MEN	A	B-001464-MEN-QA-G00-CE-0012
129	INPUT CONTROL REPORTS. INTAKE DEC-2019	IFA	10/02/2020	APC		MEN	B	B-001464-MEN-QA-I00-CE-0004
130	INPUT CONTROL REPORTS. INTAKE JANUARY-2020	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I00-CE-0005
131	INPUT CONTROL TEST REPORTS. INTAKE, FEBRUARY 2020	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I00-CE-0006
132	INPUT CONTROL TEST REPORTS. INTAKE, MARCH 2020	IFA	22/07/2020	APC		MEN	B	B-001464-MEN-QA-I00-CE-0007
133	INPUT CONTROL REPORTS. WTP JANUARY-2020	IFA	11/04/2020	APP		MEN	A	B-001464-MEN-QA-W00-CE-0001
134	INPUT CONTROL REPORTS. WTP FEBRUARY-2020	IFA	11/04/2020	APP		MEN	A	B-001464-MEN-QA-W00-CE-0002
135	INPUT CONTROL REPORTS. WTP MARCH-2020	IFA	01/07/2020	APC		MEN	B	B-001464-MEN-QA-W00-CE-0003
136	INPUT CONTROL REPORTS. WTP MAY-2020	IFA	07/09/2020	APC		MEN	A	B-001464-MEN-QA-W00-CE-0004

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137	INPUT CONTROL REPORTS. WTP MAY-2020	IFA	15/11/2020	APC		MEN	B	B-001464-MEN-QA-W00-CE-0004
138	INPUT CONTROL REPORTS. WTP JUNE-2020	IFA	07/09/2020	APC		MEN	A	B-001464-MEN-QA-W00-CE-0005
139	INPUT CONTROL REPORTS. WTP JUNE-2020	IFA	15/11/2020	APC		MEN	B	B-001464-MEN-QA-W00-CE-0005
140	INPUT CONTROL REPORTS. WTP JULY-2020	IFA	07/09/2020	APC		MEN	A	B-001464-MEN-QA-W00-CE-0006
141	INPUT CONTROL REPORTS. WTP JULY-2020	IFA	15/11/2020	APP		MEN	B	B-001464-MEN-QA-W00-CE-0006
142	INPUT CONTROL REPORTS. WTP AUGUST-2020	IFA	11/10/2020	APP		MEN	A	B-001464-MEN-QA-W00-CE-0007
143	INPUT CONTROL REPORTS. WTP SEPTEMBER 2020	IFA	15/11/2020	APC		MEN	A	B-001464-MEN-QA-W00-CE-0008
144	INPUT CONTROL OF MATERIALS TEST REPORTS. WTP OCTOBER 2020	IFA	30/11/2020	APP		MEN	A	B-001464-MEN-QA-W00-CE-0009
145	INPUT CONTROL OF MATERIALS TEST REPORTS. WTP NOVEMBER 2020	IFA	09/12/2020	APC		MEN	A	B-001464-MEN-QA-W00-CE-0010
146	Drilling Protocol-Intake(I96)	IFR	21/01/2020	INF		MEN	A	B-001464-MEN-QA-I96-DT-0001
147	Batching Plant Logbook Intake(I96)	IFR	21/01/2020	INF		MEN	A	B-001464-MEN-QA-I96-DT-0002
148	Batching Plant Logbook Intake(I91)	IFR	21/01/2020	INF		MEN	A	B-001464-MEN-QA-I91-DT-0002
149	Drilling Protocol-Intake(I91)	IFR	21/01/2020	INF		MEN	A	B-001464-MEN-QA-I91-DT-0001
150	Batching Plant Logbook Intake(I84)	IFR	21/01/2020	INF		MEN	A	B-001464-MEN-QA-I84-DT-0002

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151	Drilling Protocol-Intake(I84)	IFR	21/01/2020	INF		MEN	A	B-001464-MEN-QA-I84-DT-0001
152	Batching Plant Logbook-W40- TOWER CRANE #3	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0002
153	Batching Plant Logbook-W45	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-W45-DT-0004
154	Batching Plant Logbook-W40	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0004
155	Drilling Protocol-W40- TOWER CRANE #3	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0001
156	Batching Plant Logbook - INTAKE (I20)	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-I20-DT-0002
157	Drilling Protocols INTAKE RAW WATER PUMPING STATION (I-20)	IFR	22/04/2020	INF		MEN	A	B-001464-MEN-QA-I20-DT-0001
158	Batching Plant Logbook - INTAKE (I80)	IFR	21/04/2020	INF		MEN	A	B-001464-MEN-QA-I80-DT-0002
159	Drilling Protocol - INTAKE (I-80)	IFR	21/04/2020	INF		MEN	A	B-001464-MEN-QA-I80-DT-0001
160	Batching Plant Logbook - INTAKE (I90)	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I90-DT-0002
161	Drilling Protocol - INTAKE (I90)	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I90-DT-0001
162	Batching Plant Logbook - INTAKE (I46)	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I46-DT-0002
163	Drilling Protocol - INTAKE (I46)	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I46-DT-0001
164	Batching Plant Logbook - INTAKE (I40)	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I40-DT-0002

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165	Drilling Protocol - INTAKE (I40)	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I40-DT-0001
166	Batching Plant Logbook - INTAKE (I30)	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I30-DT-0002
167	Drilling Protocol - INTAKE (I30)	IFI	15/04/2020	INF		MEN	A	B-001464-MEN-QA-I30-DT-0001
168	DRILLING PROTOCOLS. CROSS CONNECTION VALVES CHAMBER - W01 BLOCK	IFR	07/01/2021	INF		MEN	A	B-001464-MEN-QA-W01-DT-0001
169	BATCHING PLANT LOGBOOK. CROSS CONNECTION VALVES CHAMBER - W01 BLOCK	IFR	07/01/2021	INF		MEN	A	B-001464-MEN-QA-W01-DT-0002
170	Drilling Protocol- WTP GROUND RESERVOIR NE BLOCK (W-40) PART 3.	IFR	11/04/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0006
171	Drilling Protocol- WTP GROUND RESERVOIR NE BLOCK (W-40) PART 1.	IFR	11/04/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0003
172	DRILLING PROTOCOL - WTP. GROUND. RESERVOIR NW BLOCK (W-40). PART 1.	IFR	12/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0007
173	BATCHING PLANT LOGBOOK - WTP. GROUND RESERVOIR NW BLOCK (W-40). PART 1	IFR	12/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0008
174	DRILLING PROTOCOL - WTP. GROUND. RESERVOIR NW BLOCK (W-40). PART 2.	IFR	12/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0009

Monthly Quality Assurance Report

175	DRILLING PROTOCOL - WTP. GROUND. RESERVOIR NW BLOCK (W-40). PART 3.	IFR	12/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0010
176	BATCHING PLANT LOGBOOK - WTP. GROUND RESERVOIR NW BLOCK (W-40). PART 2	IFR	12/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0011
177	DRILLING PROTOCOL - WTP. GROUND. RESERVOIR NW BLOCK (W-40). PART 4.	IFR	12/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0012
178	DRILLING PROTOCOL - WTP. GROUND. RESERVOIR NW BLOCK (W-40). PART 5.	IFR	12/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0013
179	DRILLING PROTOCOL - WTP. GROUND. RESERVOIR NW BLOCK (W-40). PART 6.	IFR	12/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0014
180	BATCHING PLANT LOGBOOK - WTP. GROUND RESERVOIR SW BLOCK (W-40). PART 3	IFR	22/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0015
181	DRILLING PROTOCOL - WTP. GROUND RESERVOIR SW BLOCK (W-40).PART 7.	IFR	22/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0016
182	BATCHING PLANT LOGBOOK - WTP. GROUND RESERVOIR SE BLOCK (W-40).PART 4.	IFR	22/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0017
183	DRILLING PROTOCOL - WTP. GROUND RESERVOIR SE BLOCK (W-40).PART 8.	IFR	22/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0018

Monthly Quality Assurance Report

184	BATCHING PLANT LOGBOOK - WTP. GROUND RESERVOIR SE BLOCK (W-40).PART 5.	IFR	30/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0019
185	DRILLING PROTOCOL - WTP.GROUND RESERVOIR SE BLOCK (W-40) PART 9.	IFR	30/11/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0020
186	BATCHING PLANT LOGBOOK - WTP.GROUND RESERVOIR SW BLOCK (W-40).PART 6.	IFR	09/12/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0021
187	DRILLING PROTOCOL - WTP.GROUND RESERVOIR SW BLOCK (W-40).PART 10	IFR	09/12/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0022
188	DRILLING PROTOCOL - WTP. GROUND RESERVOIR SW BLOCK (W-40) PART 11.	IFR	19/12/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0023
189	DRILLING PROTOCOL - WTP. GROUND RESERVOIR SW BLOCK (W-40) PART 12.	IFR	19/12/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0024
190	DRILLING PROTOCOL - WTP. GROUND RESERVOIR SW BLOCK (W-40) PART 13.	IFR	19/12/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0025
191	BATCHING PLANT LOGBOOK - WTP. GROUND RESERVOIR SW-SE BLOCK (W-40). PART 7.	IFR	19/12/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0026
192	BATCHING PLANT LOGBOOK - WTP. GROUND RESERVOIR SW-SE BLOCK (W-40). PART 8.	IFR	19/12/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0027

Monthly Quality Assurance Report

193	Drilling Protocol- WTP GROUND RESERVOIR NE BLOCK (W-45)	IFR	11/04/2020	INF		MEN	A	B-001464-MEN-QA-W45-DT-0003
194	DRILLING PROTOCOLS.GROUND RESERVOIR NE BLOCK (W-45) PART-01	IFR	19/10/2020	INF		MEN	A	B-001464-MEN-QA-W45-DT-0005
195	BATCHING PLANT LOGBOOK.GROUND RESERVOIR NE BLOCK W45 PART- 02	IFR	19/10/2020	INF		MEN	A	B-001464-MEN-QA-W45-DT-0006
196	BATCHING PLANT LOGBOOK- WTP. GROUND RESERVOIR NE BLOCK (W-45) PART 3.	IFR	19/12/2020	INF		MEN	A	B-001464-MEN-QA-W45-DT-0007
197	DRILLING PROTOCOL - WTP. GROUND RESERVOIR NE BLOCK (W-45) PART 3.	IFR	19/12/2020	INF		MEN	A	B-001464-MEN-QA-W45-DT-0008
198	Drilling Protocol- WTP GROUND RESERVOIR NE BLOCK (W-40) PART 2.	IFR	11/04/2020	INF		MEN	A	B-001464-MEN-QA-W40-DT-0005
199	Drilling Protocol- ANTI-HAMMER W46 BLOCK	IFR	13/07/2020	INF		MEN	A	B-001464-MEN-QA-W46-DT-0001
200	Batching Plant Logbook ANTI-HAMMER W46 BLOCK	IFR	13/07/2020	INF		MEN	A	B-001464-MEN-QA-W46-DT-0002
201	DRILLING PROTOCOLS.CHEMICAL BUILDING(W-50)	IFR	19/10/2020	INF		MEN	A	B-001464-MEN-QA-W50-DT-0001
202	BATCHING PLANT LOG BOOK.CHEMICAL BUILDING (W-50)	IFR	19/10/2020	INF		MEN	A	B-001464-MEN-QA-W50-DT-0002

Monthly Quality Assurance Report

203	BATCHING PLANT LOGBOOK. CHEMICAL BUILDING W50 PART- 02	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W50-DT-0003
204	DRILLING PROTOCOLS. CHEMICAL BUILDING W50 PART-02	IFR	31/12/2020	INF		MEN	A	B-001464-MEN-QA-W50-DT-0004
205	DRILLING PROTOCOLS. GENERATOR BUILDING. W82 BLOCK	IFR	06/01/2021	INF		MEN	A	B-001464-MEN-QA-W82-DT-0001
206	BATCHING PLANT LOGBOOK. GENERATOR BUILDING. W82 BLOCK.	IFR	06/01/2021	INF		MEN	A	B-001464-MEN-QA-W82-DT-0002
207	DRILLING PROTOCOLS. FUEL STORAGE TANKS. W83 BLOCK.	IFR	06/01/2021	INF		MEN	A	B-001464-MEN-QA-W83-DT-0001
208	BATCHING PLANT LOGBOOK. FUEL STORAGE TANKS. W83 BLOCK.	IFR	06/01/2021	INF		MEN	A	B-001464-MEN-QA-W83-DT-0002
209	DRILLING PROTOCOLS. RESIDENTIAL BUILDINGS - W93 W94 W95 BLOCKS	IFR	06/01/2021	INF		MEN	A	B-001464-MEN-QA-W90-DT-0001
210	BATCHING PLANT LOGBOOK. RESIDENTIAL BUILDINGS - W93 W94 W95 BLOCKS	IFR	06/01/2021	INF		MEN	A	B-001464-MEN-QA-W90-DT-0002
211	DRILLING PROTOCOLS. GUARD HOUSE W96 BLOCK	IFR	02/01/2021	INF		MEN	A	B-001464-MEN-QA-W96-DT-0001
212	BATCHING PLANT LOGBOOK. GUARD HOUSE W96 BLOCK	IFR	02/01/2021	INF		MEN	A	B-001464-MEN-QA-W96-DT-0002

Monthly Quality Assurance Report

213	TEST REPORT OF STEEL PIPE	IFA	22/12/2020	APP		SDW	A	B-001464-SDW-QC-I00-TR-0008
214	MDD AND FDD TEST REPORTS	IFA	30/04/2020	APC		SDW	A	B-001464-SDW-QC-I00-TR-0006
215	Trial Mix of Concrete-C 16/20	IFA	15/04/2020	APC		SDW	A	B-001464-SDW-QC-I00-TR-0005
216	Trial Mix of Concrete-C 28/35	IFA	16/02/2020	APC		SDW	A	B-001464-SDW-QC-I00-TR-0004
217	Water Test Report	IFA	01/03/2020	APP		SDW	A	B-001464-SDW-QC-I00-TR-0003
218	Plate Load Test Report	IFA	18/06/2020	INF		SDW	A	B-001464-SDW-QC-I00-TR-0001
219	Calibration Certificates (Survey Instrument)	IFA	12/03/2020	APC		SDW	B	B-001464-SDW-QA-I00-CE-0001
220	Batching Plant -01 Calibration Certificate	IFI	15/04/2020	INF		SDW	A	B-001464-SDW-QA-I00-CE-0002
221	Batching Plant -02 Calibration Certificate	IFI	15/04/2020	INF		SDW	A	B-001464-SDW-QA-I00-CE-0003
222	CTM CALIBRATION CERTIFICATE FOR INTAKE SITE	IFA	22/08/2020	APP		SDW	A	B-001464-SDW-QA-I00-CE-0004
223	FDT Test Report	IFA	18/06/2020	INF		SDW	A	B-001464-SDW-QC-IT0-SD-0003
224	Ductile Iron	IFR	25/03/2020	INF		GWT	B	B-001464-GWT-PL-R00-TR-0001
225	Ductile Iron	IFR	12/03/2020	INF		GWT	A	B-001464-GWT-PL-R00-TR-0001
226	BEDDING MATERIALS	IFA	25/04/2021	CTL		GWT	A	B-001464-GWT-PL-R00-TR-0002
227	Third Party Inspection	IFR	08/11/2019	INF		GWT	A	B-001464-GWT-QC-R00-TR-0001

Monthly Quality Assurance Report

228	BEDDING MATERIAL CLASS B FOR RWP	IFA	24/05/2020	REJ		GWT	A	B-001464-GWT-QC-R00-TR-0002
229	TECHNICAL FILLING TYPE-2B MATERIAL-INTAKE	IFA	29/07/2020	APC		GWT	A	B-001464-GWT-QC-I00-TR-0001
230	FDD TEST REPORT FOR TECHNICAL FILL OVER THE DSM AREA	IFR	15/10/2020	INF		GWT	A	B-001464-GWT-QC-I00-TR-0002
231	EARTHWORKS, ROADS AND BURIED NETWORKS MATERIAL (TYPE-01, TYPE-2A & TYPE- 2B)- WTP	IFA	11/02/2021	REJ		GWT	A	B-001464-GWT-QC-W00-TR-0001
232	EARTHWORKS, ROADS AND BURIED NETWORKS MATERIAL (TYPE-01, TYPE-2A & TYPE- 2B)- WTP	IFA	04/04/2021	APC		GWT	B	B-001464-GWT-QC-W00-TR-0001
233	TEST CERTIFICATE OF SURVEY EQUIPMENT	IFA	24/04/2021	CTL		GWT	A	B-001464-GWT-PL-R00-CE-0001

Project: GWTSNC

Subject: Laboratory Test Report Status

Month:

April-2021

Package No.	Location	Name of Company	Discipline	Test Result								
				Total Submitted	Total APP	Total APC	Total INF	Total REJ	Total CTL	Total Re-Submitted	Remarks	

Monthly Quality Assurance Report

1	WTP	CAMCE	Civil	51	17	26	02	05	01	14	
2	INTAKE	SDWP	Civil	11	03	04	04	00	00	01	
3	WTP & INTAKE & RWP	GWTSNC	Civil	10	00	02	04	02	02	02	
4	WTP & INTAKE	MENARD	Civil	161	22	26	112	01	00	14	

For the month of April-2021(Laboratory Test Report Status)

- 1) **CAMCE**: Total submitted 01 No's, For Approval (CTL) 01 No's.
- 2) **MENARD**: Total submitted 00 No's.
- 3) **SDWP**: Total submitted 00 No.
- 4) **GWTSNC**: Total submitted 02 No, For Approval (CTL) 02 No's.

9.0 Monitoring of Suppliers Status

Project: GWTSNC

Subject: Monitoring of Subcontractors /Suppliers Status

Month: April-2021

Monthly Quality Assurance Report

SL No.	Location	Name of Company	Discipline	Monitoring of Suppliers Status	Remarks
1	WTP	BASHUNDHARA MULTI TRADING COMPANY LIMITED (BD (PROPOSED BY CMC)	AGGREGATE SUPPLIER	Supplying Material Under Monitoring	Material Supply on going
2	WTP	BSRM (PROPOSED BY CMC)	STEEL SUPPLIER	Supplying Material Under Monitoring	Material Supply on going
3	WTP	FRESH CEMENT (PROPOSED BY CMC)	CEMENT SUPPLIER	Supplying Material Under Monitoring	Partial Supply this month
4	WTP	SOBUTE (BD) CO.LTD (PROPOSED BY CMC)	ADMIXTURE SUPPLIER	Supplying Material Under Monitoring	Material Supply on going
5	WTP	TOCOMA LIMITED (PROPOSED BY CMC)	PVC WATER STOP	Closed	This Month no supply
6	WTP	Jahid Trading International (PROPOSED BY CMC)	AGGREGATE SUPPLIER	Supplying Material Under Monitoring	Material Supply on going
7	WTP	GPH Ispat Limited (PROPOSED BY CMC)	STEEL SUPPLIER	Closed	This Month no supply
8	WTP	KSRM (PROPOSED BY CMC)	STEEL SUPPLIER	Supplying Material Under Monitoring	Material Supply on going
9	WTP	Premier Cement (PROPOSED BY CMC)	CEMENT SUPPLIER	Supplying Material Under Monitoring	Material Supply on going
10	INTAKE	DIGITAL STONE CRUSHER (PROPOSED BY SDWP)	AGGREGATE SUPPLIER	On going	Coarse Aggregate Supplying

Monthly Quality Assurance Report

11	INTAKE	DIGITAL STONE CRUSHER (PROPOSED BY SDWP)	AGGREGATE SUPPLIER	On going	Fine Aggregate Supplying
12	INTAKE	FRESH CEMENT (PROPOSED BY SDWP)	CEMENT SUPPLIER	On going	Material Supply on going
13	INTAKE	SOBUTE (BD) CO.LTD (PROPOSED BY SDWP)	ADMIXTURE SUPPLIER	On going	Material Supply on going
14	INTAKE	KSRM (PROPOSED BY SDWP)	STEEL SUPPLIER	On going	Re bar Supplying

Monthly Quality Assurance Report

10.0 Training/Induction Status

Project: GWTSNC

Subject: Training/Induction Status

Month:

April-2021

INTAKE					
SI NO.	Location	Training/Induction Title	Date	No. of employee been trained	Remarks
1	INTAKE	Quality and Durability Enhancement of Modern Concrete using Blending Materials	17.02.2020	10	SDWP Team
2	INTAKE	Sheet Pile Welding training conducted for welders work skill certification & assessment	15.02.2020	10	SDWP Team
WTP					
SI NO.	Location	Training/Induction Title	Date	No. of employee been trained	Remarks
1	WTP	Quality and Durability Enhancement of Modern Concrete using Blending Materials	07.03.2020	09	CAMCE Team
2	WTP	Quality Control Document submission procedure and uploading process to the system	06.12.2020	05	CAMCE Team
3	WTP	Quality and Durability Enhancement of Modern Concrete using Blending Materials and site quality control exercise	28.12.2020	09	CAMCE Team
4	WTP	Construction quality control on site	24.04.2021	07	CAMCE Team

Monthly Quality Assurance Report

Thank You!



Gandharbpur Water Treatment SNC



Dhaka Environmentally Sustainable Water Supply Project
DBO Package No. ICB-01/D&B/DESWSP/2014

Monthly Progress Report N° 24 – April 2021

APPENDIX – 5

Monthly Report – HSE & SOCIAL

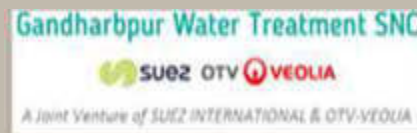
(Sub Clause 4.21 (g))

Month of April -2021



Project Owner: Dhaka WASA

Funded by: AFD, Asian Development and European Investment Bank



SUEZ International & OTV VEOLIA JV.

PROJECT: GANDHARBPUR WATER TREATMENT SNC

HSE MONTHLY REPORT



LTI & SAFE MAN-HOUR STATUS

Project to Date		Year to Date	
Cumulative Manpower	Cumulative Man hour	Cumulative Manpower	Cumulative Man hour
276180	2512856	69640	610524

Lost Time Injury Status – Month to date (26 th Mar to 25 th Apr)				
Lot Time Injury	Total Man-hour Without LTI	Total Man Day Without LIT	Lost Time Injury Frequency Rate	Lost Time Injury Severity Rate
0	176572	30	0	0

Total Safe Man hour – Month to date (26 th Mar to 25 th Apr)				
SUEZ & VEOLIA Safe man-hour	CAMCE Safe man-hour	GWP Line & Shape Safe man-hour	GWP RWP Safe man-hour	Total Man-hour
72480	74740	17120	12232	176572

LTI & SAFE MAN-HOUR STATUS

Name of Contractor	Month	Manpower	Man-hour	Lost Time Injury	Man-hour without LTI	Man Day Without LTI	Lost Time Injury Frequency Rate	Lost Time Injury Severity Rate
GWTSNC	Jan-21	7071	56568	0	0	0	0	0
MENARD		1614	19368	0	0	0	0	0
CAMCE		3757	37570	0	0	0	0	0
SDWP		3653	29224	0	0	0	0	0
GWTSNC	Feb-21	7721	61768	0	0	0	0	0
MENARD		974	11688	0	0	0	0	0
CAMCE		4717	47170	0	0	0	0	0
SDWP		2572	20576	0	0	0	0	0
GWT-WTP	Mar -21	7745	61960					
GWT-INTAKE		2371	18968					
GWT-RWP		1161	9288					
CAMCE		5578	55780					
GWT-WTP	Apr-21	9060	72480					
GWT-INTAKE		2140	17120					
GWT-RWP		1529	12232					
CAMCE		7474	74740					
GWTSNC	May-21							
MENARD								
CAMCE								
SDWP								
GWT-WTP	Jun-21							
GWT-INTAKE								
GWT-RWP								
CAMCE								
Manpower Cumulative			Manhour Cumulative					
69640			610524					

INCIDENT STATUS

Company	Incident	Activity	Date Of Incident	Project Location
GWTSNC	Harassment by Community Resident	Road preparation work	29-Mar-2021	Lengurthee (9+200km)
GWTSNC	Traffic (Property Damage case)	Reversing into GWT WTP life camp parking lot	22-Apr-2021	GWT-WTP
GWTSNC	Traffic (Minor damage to tail light)	Driving from Haji Para, Rupshi to WTP site	25-Apr-2021	GWT-WTP
GWTSNC	vandalization speed control barriers.	Non	02-Apr-2021	GWT-RWP Uchitpura Site
GWTSNC	Armed robbery Attack	Transporting DN1600 pipes to RWP line	07-Apr-2021	Road to Ariazar

INCIDENT STATUS

Gandharipur Water Treatment SMC Design and Build of Intake, Raw Water Pipelines, and 300 MLD Water Treatment Plant at Gandharipur under Shiksha Shakti Yojana, Sustainable Water Supply Project (SDSWSP)		M M DWASA 8-001464-GWT-HS-GWT-RP-5013	
Date: 29-Mar-2021 Site: Langathra		Incident No: 04 Page: 2/2	
Activity: Road Preparation Work Trade / Subcontractor : GWT RWP Team		Reported by: Nivedithi Uchikarla Signature:	
DETAILS OF INCIDENT / ACCIDENT			
Date & Time: 08:45 Hours Place: Langathra		Type of Incident: Harassment by Community Resident Property Damaged: Nil Treatment Particulars: Not Applicable (N/A)	
Description (Date, Who, What, Where, When, How, Use Sketches if possible) At the time and location mentioned above, RWP Site Engineer Mr. An An and Site Supervisor Mr. Raja commenced road preparation work at Langathra (H-308km) with 5 workers, one Excavator and one Pile Loader. At approximately 9:00hrs, Mr. Anand who is a community resident approached Mr. Anand (GWT RWP Engineer) with a grievance about incomplete compensation from the government for the use of his land for RWP project, subsequently, he informed the RWP project team members to quit working on the land. Mr. Anand further stated that a balance of 35000 BDT is yet to be paid to him from the government for the use of his land and he vowed that until he is fully compensated, no project activity will commence on the land. In line with this development, Mr. An An and his team members stopped work and left the site at approximately 09:30hrs.			
Current Status And Action Taken (if Any): <ol style="list-style-type: none"> 1. Mr. An Anand and his team members stopped work and left the site to avoid violence from community 2. The incident was reported to GWTSMC Management 3. Investigation of grievance has been initiated and ongoing. 			
VICTIM'S PARTICULARS:			
Name: Not Applicable (N/A) VC No: N/A Date of Birth: N/A Nationality: N/A Age: N/A Sex: N/A Name of Hospital / Clinic where victim received treatment: N/A Medical Leave From: Nil: N/A Hospitalisation: YES <input type="checkbox"/> NO <input type="checkbox"/> Part of body injured: N/A			
REMEDIAL ACTION: <ul style="list-style-type: none"> • MOSC intervention is required to resolve grievance. 			
CONTRACTOR'S REPRESENTATIVE COMMENTS: <ul style="list-style-type: none"> • No project activity will commence until MOSC resolution of grievance is issued 			
Date: 29-March-2021 Name & Signature: Nivedithi Uchikarla			

Gandharipur Water Treatment SMC Design and Build of Intake, Raw Water Pipelines, and 300 MLD Water Treatment Plant at Gandharipur under Shiksha Shakti Yojana, Sustainable Water Supply Project (SDSWSP)		M M DWASA 8-001464-GWT-HS-GWT-RP-5013	
Date: 29-Mar-2021 Site: Langathra		Incident No: 04 Page: 2/2	
INCIDENT REPORT			

SKETCHES & PICTURES:



The pond and all areas pegged with RED flags are the disputed land

Incident Report:

- Harassment by Community Resident at RWP (29-Mar-2021)



INCIDENT STATUS

Gandhariapur Water Treatment SMC Design and Build of intake, New Water Pipeline, and SSO/MSO Water Treatment Plant at Gandhariapur under Chitika Environmentally Sustainable Water Supply Project (ESWSP)		M M MWH M&P CHANGA	
Incident Report No: 001 Date: 22-Apr-2021		Page 01	
INCIDENT REPORT			
Date: 22-Apr-2021		Site: WTP	
Activity: Driving from intake to WTP Site		Task / Subcontractor: Driver (SM/TAIC)	
Reported by: Mr. Akh Fabin, local		Signature:	
DETAILS OF INCIDENT / ACCIDENT			
Date & Time: 22-Apr-2021 @ 08:50 Hours		Place: GVT Jit Carport Park area	
Type of Incident: Traffic Incident (Property Damage Case)			
Property Damaged: Near windward, Sunscreen & Rear body frame			
Equipment Involved: Mitsubishi Outlander Car			
Description (Date, time, what, where, when, & how, list witnesses if available): At approximately 08:50 hours at GVT/SMC Jit Carport park, Mr. Akh Fabin, driver of GVT/SMC Mitsubishi Outlander car with registration number (Shaha Motor - CHA - 19 5201) collided with one of the support poles of the parking shed while covering into lane of the site. The incident resulted in the entire front-end of the car sustained, rear bumper damage, rear body structure and frame work severely bent.			
Findings: <ul style="list-style-type: none"> • Absence of road sign at the road. • Turn right at 90° 			
Corrective Steps and Action Taken if Any: <ul style="list-style-type: none"> • A general diary was made with HSE Officer to obtain the reporting cost. • Mitsubishi Outlander car is sent to Super Auto Workshop for repair. 			
WITNESS / WITNESSES			
Name and Application No. / (C.No. No.)			
Date of Birth: N/A		Nationality: N/A	
Age: N/A		Sex: N/A	
Name of Hospital / Clinic where victim received treatment:			
Medical Issue / Injury: Nil		Hospitalization: <input type="checkbox"/> YES <input type="checkbox"/> NO	
Part of Body Injured: N/A			
REMEDIAL ACTION: Driver should always driving full and specific driving requirements of the car to avoid such incident.			
CONTRACTOR'S REPRESENTATIVE COMMENT: Security Manager should take further action about investigation and repair.			
Date: 22-Apr-2021		Name & Signature:	

Gandhariapur Water Treatment SMC Design and Build of intake, New Water Pipeline, and SSO/MSO Water Treatment Plant at Gandhariapur under Chitika Environmentally Sustainable Water Supply Project (ESWSP)		M M MWH M&P CHANGA	
Incident Report No: 001 Date: 22-Apr-2021		Page 02	
INCIDENT REPORT			
Driver Incident Interview			
Name of Driver: Mr. Akh Fabin Designation: Driver		Date of Interview: 22-Apr-2021	
Description of Incident: The driver was driving from the intake to the WTP site. At approximately 08:50 hours, the car collided with one of the support poles of the parking shed. The driver stated that he was driving normally and did not see any warning signs or road markings. The car sustained significant damage to the front end and rear body structure.			
Driver's Statement: I was driving from the intake to the WTP site. I was driving normally and did not see any warning signs or road markings. The car sustained significant damage to the front end and rear body structure.			
Interviewer's Statement: The driver was interviewed and provided a statement. The driver stated that he was driving normally and did not see any warning signs or road markings. The car sustained significant damage to the front end and rear body structure.			
Signature of Driver:			
Signature of Interviewer:			

Gandhariapur Water Treatment SMC Design and Build of intake, New Water Pipeline, and SSO/MSO Water Treatment Plant at Gandhariapur under Chitika Environmentally Sustainable Water Supply Project (ESWSP)		M M MWH M&P CHANGA	
Incident Report No: 001 Date: 22-Apr-2021		Page 03	
INCIDENT REPORT			
PHOTOS & PICTURES			

Incident Report:

- Traffic Incident
- (Property Damage Case)

22-Apr-2021



INCIDENT STATUS

<p>INCIDENT REPORT</p> <p>Project No: 07 Page: 01</p>	<p>INCIDENT REPORT</p> <p>Project No: 07 Page: 02</p>	<p>INCIDENT REPORT</p> <p>Project No: 07 Page: 03</p>
<p>Date: 25-Apr-2021 08:47:00</p> <p>Activity: String is with the team with off site Camp</p> <p>Reported by: Mr. Ravi Kumar</p> <p>DETAILS OF INCIDENT / ACCIDENT</p> <p>Date & Time: 25-Apr-2021 @ 08:30 Hours</p> <p>Type of Incident: Traffic Incident</p> <p>Property Damaged: Minor damage to tail light</p> <p>Equipment Involved: Mitsubishi CARM-80V Double Cabin (Shaka Motor - TA4-D-588)</p> <p>Description: (Date, who, what, when, where, how, why)</p> <p>At approximately 08:30 hours at the Park, Nepal, Mr. Ravi Kumar, the driver of CARM-80V Double Cabin truck with registration number (Shaka Motor - TA4-D-588), while waiting at the signal road for the completion of traffic to be cleared, had the right of light of his car broken when a truck from the opposite side of the road jumped in the direction of the truck car and caused a front behind.</p> <p>Current Status and Action Taken (if any)</p> <ul style="list-style-type: none"> Mr. Anil Khan (Security Manager) went to incident location for further investigation. The truck driver accepted his mistake. Details of the truck driver was obtained and documented for reference. <p>INCIDENTS PREVENTION:</p> <p>Name: Not Applicable</p> <p>Age: NA</p> <p>Name of Hospital / Clinic where victim received treatment: NA</p> <p>Medical Used: First Aid</p> <p>REMEDIAL ACTION:</p> <ul style="list-style-type: none"> The truck driver contacted his fault and agreed to have repaired. <p>CONTRACTOR'S ADMINISTRATIVE COMMENTS:</p> <p>Further investigation and follow up will be taken up by security manager</p> <p>25-Apr-2021 Name & Signature: (Signature)</p>	<p>DETAILS & PICTURES</p> <p>Mr. Ravi Kumar (Signature)</p> <p>Mr. Anil Khan (Signature)</p> <p>INCIDENT REPORT</p> <p>Project No: 07 Page: 02</p>	<p>INCIDENT REPORT</p> <p>Project No: 07 Page: 03</p> <p>(Detailed description of the accident in Nepali and English)</p> <p>(Handwritten notes and signatures)</p>



Incident Report:

- Traffic Incident
- (Minor Damage) 25-Apr-2021



INCIDENT STATUS

Gandhariapur Water Treatment SMC SURE CITY WATER April to June 2021 / Gandhariapur / DWASA		Design and Build of intake, Raw Water Pipelines, and 500 MLD Water Treatment Plant at Gandhariapur under Dhaka Environmentally Sustainable Water Supply Project (DSWSP)		M M DWASA	
INCIDENT REPORT			Incident No: (Given by MDC)		
Date: 02 / 04 / 21	Time: Mid night	Site: Uchirghura	Location / Ch:		
Activity: Speed control Barrier's construction		Trade / Subcontractor:	Immediate Supervisor:		
Reported by: Engineer Samudheen					
DETAILS OF INCIDENT / ACCIDENT					
Type of incident: Stoppage / Damage / Affected People / Services / Others:					
Property or Other Damages: Vandalizing constructed speed control barriers.					
Equipment Particulars:					
Description of Incident:					
Vandalizing speed control barriers during night by the local people.					
Current Status and Action Taken (If Any):					
Incident Closure Date / Time, if available:					
ACTIVITIES / PERSONEL / EQUIPMENT AFFECTED:					
REMEDIAL ACTIONS:					
1. Informed to MDC					
2.					
COMMENTS GWT:					
 Date: GWT Name & Signature: 3-4-21					
COMMENTS MDC / DWASA:					
Date: MDC / DWASA Name & Signature:					

Gandhariapur Water Treatment SMC SURE CITY WATER April to June 2021 / Gandhariapur / DWASA		Design and Build of intake, Raw Water Pipelines, and 500 MLD Water Treatment Plant at Gandhariapur under Dhaka Environmentally Sustainable Water Supply Project (DSWSP)		M M DWASA	
INCIDENT REPORT			Incident No: (Given by MDC)		
Date: 07 / 04 / 21	Time: 1.00am	Site: Road to Anazar	Location / Ch:		
Activity: Transporting DN1600 pipes to RMP line		Trade / Subcontractor:	Immediate Supervisor:		
Reported by: Engineer Harun Sarkar					
DETAILS OF INCIDENT / ACCIDENT					
Type of incident: Stoppage / Damage / Affected People / Services / Others:					
Property or Other Damages:					
Equipment Particulars:					
Description of Incident:					
Trailer driver and 4 no workers were attacked and robbed by an armed gang, while returning to yard after unloading DN1600 Pipe at intake site.					
Current Status and Action Taken (If Any):					
Incident Closure Date / Time, if available:					
ACTIVITIES / PERSONEL / EQUIPMENT AFFECTED:					
- 1 no. 3 No. Mobile phones and 62000/- Tk.					
REMEDIAL ACTIONS:					
1. Incident reported to MDC.					
2.					
COMMENTS GWT:					
 Date: GWT Name & Signature: 9-4-21					
COMMENTS MDC / DWASA:					
Date: MDC / DWASA Name & Signature:					

Incident Report:

02-Apr-21

- vandalization of speed control barriers.

07-Apr-21

- Armed Robbery Attack



HSE OBSERVATIONS SUMMARY

	GWT SNC		GWTSNC SP		GWT-RWP		CAMCE		Monthly Total	
	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive
WTP	45	19	0	0	0	0	193	1	238	20
INTAKE	0	6	199	2	0	0	0	0	199	8
RW PL	0	0	0	0	170	35	0	0	170	35
									607	63

PERIOD	TOTAL OBSERVATION	
	MONTHLY	
25-Mar~26Apr-YYYY	GWT SNC	64
	GWTSNC SP	207
	GWT-RWP	205
	CAMCE	194
TOTAL	670	

CLOSED	OPEN
MONTHLY	MONTHLY
34	11
198	1
164	6
163	30
559	48

Major Observations of the Month

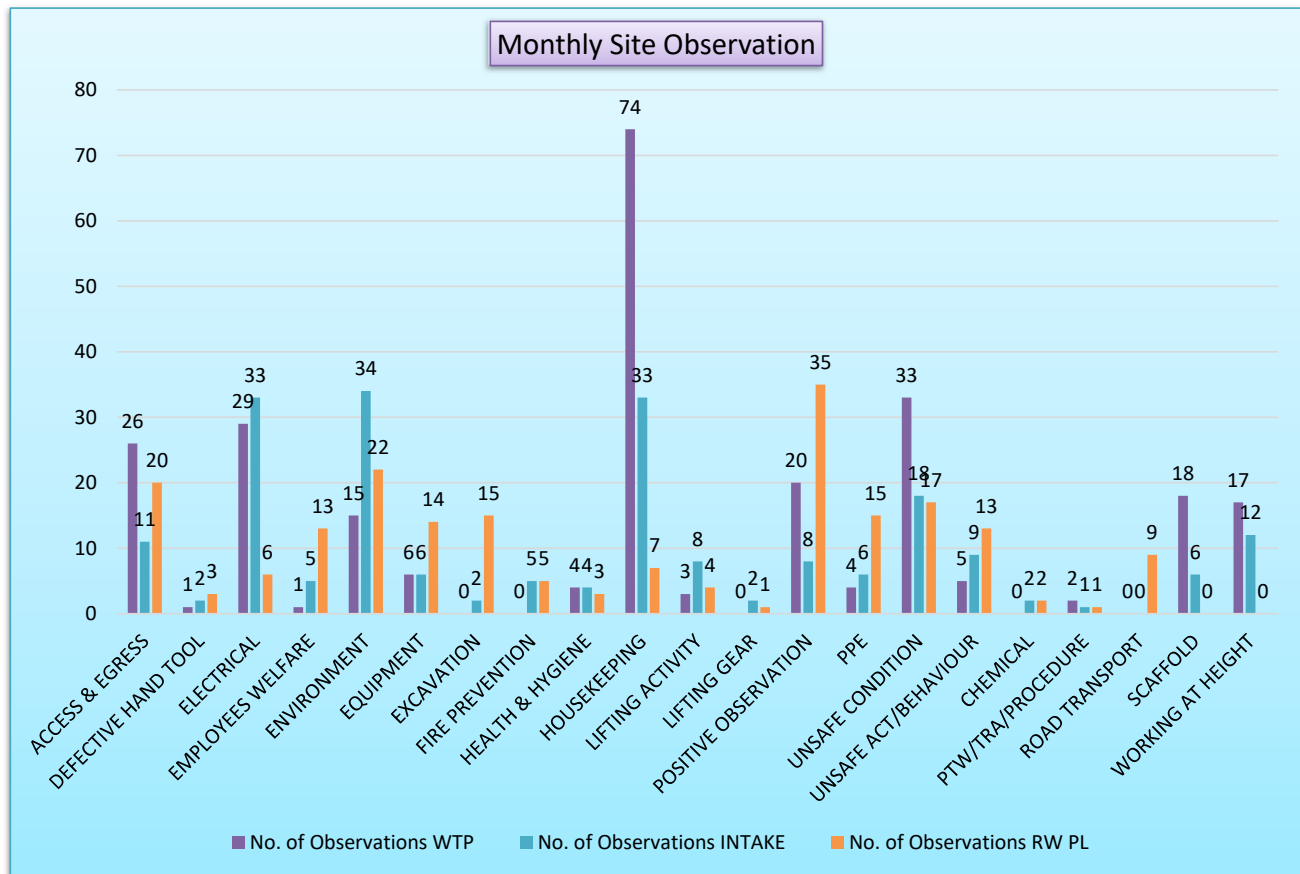
Concerns	Number
ACCESS & EGRESS	57
ELECTRICAL	68
WORKING AT HEIGHT	29
HOUSEKEEPING	114



HSE OBSERVATIONS SUMMARY

Monthly HSE Observations Summary 26 Mar~Apr 25 -2021)

Category	No. of Observations		
	WTP	INTAKE	RW PL
ACCESS & EGRESS	26	11	20
DEFECTIVE HAND TOOL	1	2	3
ELECTRICAL	29	33	6
EMPLOYEES WELFARE	1	5	13
ENVIRONMENT	15	34	22
EQUIPMENT	6	6	14
EXCAVATION	0	2	15
FIRE PREVENTION	0	5	5
HEALTH & HYGIENE	4	4	3
HOUSEKEEPING	74	33	7
LIFTING ACTIVITY	3	8	4
LIFTING GEAR	0	2	1
POSITIVE OBSERVATION	20	8	35
PPE	4	6	15
UNSAFE CONDITION	33	18	17
UNSAFE ACT/BEHAVIOUR	5	9	13
CHEMICAL	0	2	2
PTW/TRA/PROCEDURE	2	1	1
ROAD TRANSPORT	0	0	9
SCAFFOLD	18	6	0
WORKING AT HEIGHT	17	12	0
Sub Total	258	207	205
TOTAL	670		
TOTAL NEGATIVE			
238	199	170	



**RISK ASSESSMENT & PERMITS TO WORK (PTW) STATUS**

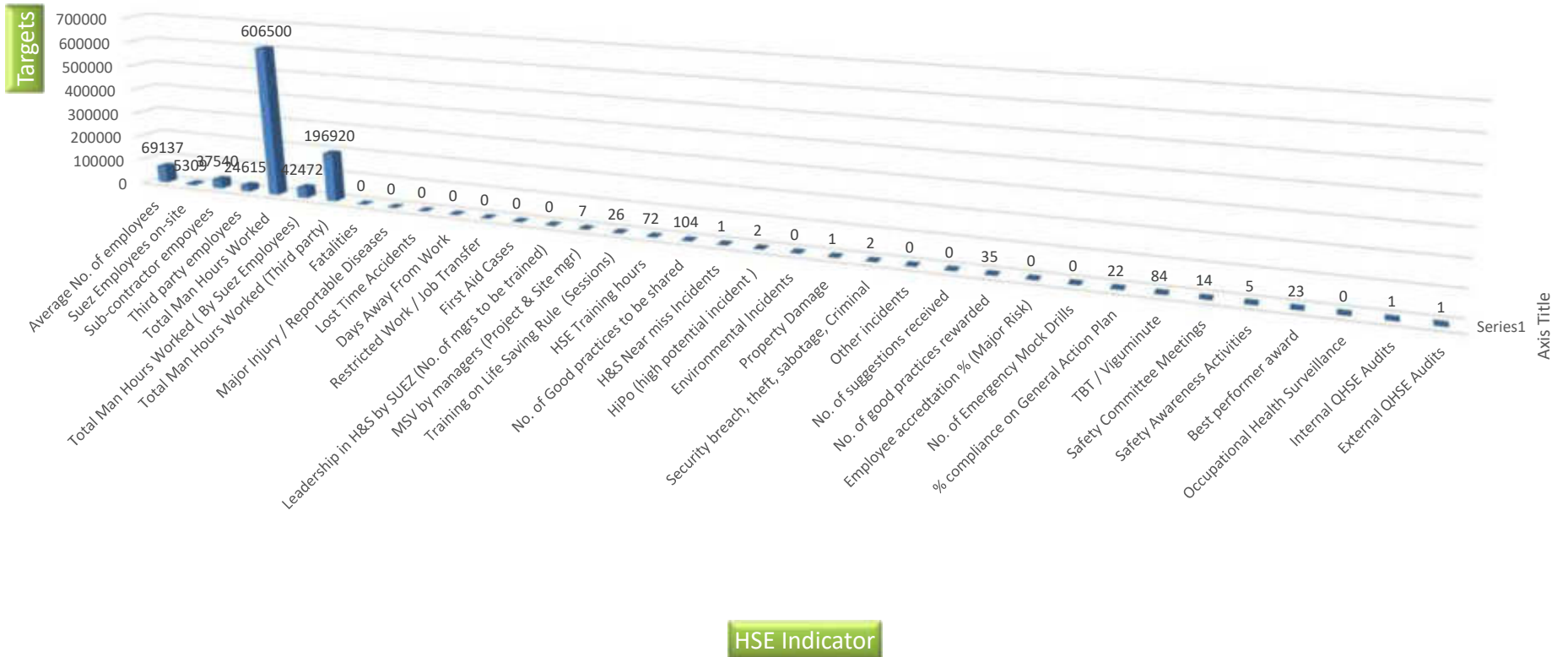
Name of Contractor	Month	Risk Assessment	Permit To Work (PTW)	Name of Contractor	Month	Risk Assessment	Permit To Work (PTW)
GWT-WTP	Jan-21	1	1	GWT-WTP	Jul-21		
GWT-INTAKE		2	2	GWT-INTAKE			
GWT-RWP		0	0	GWT-RWP			
CAMCE		1	1	CAMCE			
GWT-WTP	Feb-21	1	1	GWT-WTP	Aug-21		
GWT-INTAKE		2	2	GWT-INTAKE			
GWT-RWP		0	0	GWT-RWP			
CAMCE		1	1	CAMCE			
GWT-WTP	Mar -21	2	3	GWT-WTP	Sep-21		
GWT-INTAKE		2	5	GWT-INTAKE			
GWT-RWP		1	1	GWT-RWP			
CAMCE		1	1	CAMCE			
GWT-WTP	Apr-21	1	7	GWT-WTP	Oct-21		
GWT-INTAKE		2	18	GWT-INTAKE			
GWT-RWP		2	15	GWT-RWP			
CAMCE		1	1	CAMCE			
GWT-WTP	May-21			GWT-WTP	Nov-21		
GWT-INTAKE				GWT-INTAKE			
GWT-RWP				GWT-RWP			
CAMCE				CAMCE			
GWT-WTP	Jun-21			GWT-WTP	Dec-21		
GWT-INTAKE				GWT-INTAKE			
GWT-RWP				GWT-RWP			
CAMCE				CAMCE			

Monthly HSE Report



HSE KPI GRAPH

Yearly Target (KPI)



Permit To Work (PTW) (WTP – Excavation Permits)

- Excavation Permit**
Numbers of permit issued
- PTW-GWT-WTP-EX-008
 - PTW-GWT-WTP-EX-009
 - PTW-GWT-WTP-EX-010
 - PTW-GWT-WTP-EX-011
 - PTW-GWT-WTP-EX-012
 - PTW-GWT-WTP-EX-013



Permit To Work (PTW) (INTAKE - RWP – General Work Permits)

HOT WORKS PERMIT TO WORK		HOT WORKS PERMIT TO WORK		GENERAL PERMIT TO WORK - CONSTRUCTION		EXCAVATION & RESTORATION WORK PERMIT	
No.	Job No.	No.	Job No.	No.	Job No.	No.	Job No.
1	PTW-INT-GW-36	1	PTW-INT-GW-37	1	PTW-RWP-EX-40	1	PTW-INT-HW-37
2	PTW-INT-GW-39	2	PTW-INT-GW-38	2	PTW-RWP-EX-41	2	PTW-INT-HW-38
3	PTW-INT-GW-42	3	PTW-INT-GW-43	3	PTW-RWP-EX-45	3	PTW-INT-HW-43
4	PTW-INT-GW-46	4	PTW-INT-GW-47	4	PTW-RWP-EX-50	4	PTW-INT-HW-47
5	PTW-INT-GW-48	5	PTW-INT-GW-49	5	PTW-RWP-EX-53	5	PTW-INT-HW-49
6	PTW-INT-GW-60	6	PTW-INT-GW-59	6	PTW-RWP-EX-55	6	PTW-INT-HW-59
7	PTW-INT-GW-61	7	PTW-INT-GW-62	7	PTW-RWP-EX-57	7	PTW-INT-HW-62
8	PTW-INT-GW-68	8	PTW-INT-GW-69	8	PTW-RWP-EX-64	8	PTW-INT-HW-69
9	PTW-INT-GW-70	9	PTW-INT-HW-71	9	PTW-RWP-EX-66	9	PTW-INT-HW-71
10	PTW-RWP-EX-40	10	PTW-RWP-EX-44	10	PTW-RWP-EX-66	10	PTW-RWP-GW-44
11	PTW-RWP-EX-41	11	PTW-RWP-GW-51	11	PTW-RWP-EX-73	11	PTW-RWP-GW-51
12	PTW-RWP-EX-45	12	PTW-RWP-GW-52	12	PTW-RWP-EX-73	12	PTW-RWP-GW-52
13	PTW-RWP-EX-50	13	PTW-RWP-GW-56	13	PTW-RWP-EX-73	13	PTW-RWP-GW-56
14	PTW-RWP-EX-53	14	PTW-RWP-GW-63	14	PTW-RWP-EX-73	14	PTW-RWP-GW-63
15	PTW-RWP-EX-55	15	PTW-RWP-GW-65	15	PTW-RWP-EX-73	15	PTW-RWP-GW-65
16	PTW-RWP-EX-57	16	PTW-RWP-GW-66	16	PTW-RWP-EX-73	16	PTW-RWP-GW-66
17	PTW-RWP-EX-64	17	PTW-RWP-GW-72	17	PTW-RWP-EX-73	17	PTW-RWP-GW-72
18	PTW-RWP-EX-66			18	PTW-RWP-EX-73		
19	PTW-RWP-EX-73			19	PTW-RWP-EX-73		
20	PTW-RWP-EX-73			20	PTW-RWP-EX-73		
21	PTW-RWP-EX-73			21	PTW-RWP-EX-73		
22	PTW-RWP-EX-73			22	PTW-RWP-EX-73		
23	PTW-RWP-EX-73			23	PTW-RWP-EX-73		
24	PTW-RWP-EX-73			24	PTW-RWP-EX-73		
25	PTW-RWP-EX-73			25	PTW-RWP-EX-73		
26	PTW-RWP-EX-73			26	PTW-RWP-EX-73		
27	PTW-RWP-EX-73			27	PTW-RWP-EX-73		
28	PTW-RWP-EX-73			28	PTW-RWP-EX-73		
29	PTW-RWP-EX-73			29	PTW-RWP-EX-73		
30	PTW-RWP-EX-73			30	PTW-RWP-EX-73		

Excavation Permit Numbers of permit issued

PTW-GWT-INT-GW-36	PTW-GWT-INT-HW-37
PTW-GWT-INT-GW-39	PTW-GWT-INT-HW-38
PTW-GWT-INT-GW-42	PTW-GWT-INT-HW-43
PTW-GWT-INT-GW-46	PTW-GWT-INT-HW-47
PTW-GWT-INT-GW-48	PTW-GWT-INT-HW-49
PTW-GWT-INT-GW-60	PTW-GWT-INT-HW-59
PTW-GWT-INT-GW-61	PTW-GWT-INT-HW-62
PTW-GWT-INT-GW-68	PTW-GWT-INT-HW-69
PTW-GWT-INT-GW-70	PTW-GWT-INT-HW-71
PTW-GWT-RWP-EX-40	PTW-GWT-RWP-GW-44
PTW-GWT-RWP-EX-41	PTW-GWT-RWP-GW-51
PTW-GWT-RWP-EX-45	PTW-GWT-RWP-GW-52
PTW-GWT-RWP-EX-50	PTW-GWT-RWP-GW-56
PTW-GWT-RWP-EX-53	PTW-GWT-RWP-GW-63
PTW-GWT-RWP-EX-55	PTW-GWT-RWP-GW-65
PTW-GWT-RWP-EX-57	PTW-GWT-RWP-GW-66
PTW-GWT-RWP-EX-64	PTW-GWT-RWP-GW-72
PTW-GWT-RWP-EX-66	
PTW-GWT-RWP-EX-73	
PTW-GWT-RWP-HW-58	
PTW-GWT-RWP-HW-67	

GWT WTP SAFETY TRAINING

N/S	Training	Session	Persons	Date	
GWT-WTP	1	HSE Induction	11	59	28-Mar-21 30-Mar-21 31-Mar-21 01-Apr-21 03-Apr-21 08-Apr-21 10-Apr-21 11-Apr-21 13-Apr-21 18-Apr-21 22-Apr-21
	2	Refresher HSE Induction	3	30	30-Mar-21 24-Mar-21
	3	Work at height training	6	51	30-Mar-21 08-Apr-21 10-Apr-21 11-Apr-21 22-Apr-21 24-Apr-21
	4	Permit to work Training	1	10	6-Apr-21
	5	Compressed Gas cylinder Training	1	10	30-Mar-21
	6	Hand and Power tools Safety training	2	20	30-Mar-21
	7	Excavation Hazard and Control training	1	10	31-Mar-21
	8	Hot Work Training	1	5	3-Apr-21
	9	GWTSNC life Saving Rules Training	9	70	30-Mar-21 31-Mar-21 03-Apr-21 08-Apr-21 10-Apr-21 11-Apr-21 18-Apr-21 22-Apr-21 24-Apr-21
	10	Basic Electrical Safety Awareness Training	1	16	24-Apr-21

SAFETY TRAINING

- GWT WTP HSE Induction (28th Mar~22nd Apr- 2021)



- HSE Policy
- Environmental policy
- Smoking Policy
- Personal protective equipment
- Project Site Specific Hazards
- Hot works
- Traffic management systems
- Pedestrian routes
- Fire prevention
- Permit-to-work systems
- Emergency arrangements
- First-aid arrangements;
- Accident and incident reporting arrangements
- Housekeeping
- Individual worker's responsibility for health and safety.
- GWT 10 Life Saving Rules



SAFETY TRAINING

• GWT WTP Employee Health & Safety Commitment

	Design and build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharbpur under Dhaka Environmentally Sustainable Water Supply Project (DESWSP) OCCUPATIONAL HEALTH & SAFETY COMMITMENT েশমগত স্বাস্থ্য ও নিরাপত্তা প্রতিশ্রুতি 安全承諾
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My Commitment to Occupational Health and Safety on GWT/SNC Project site
 গুট/সিএনসি প্রকল্পের কর্মক্ষেত্রে নিরাপত্তা প্রতিশ্রুতি এবং নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি
 我的职业健康安全承诺/我的职业健康、安全承诺

I am dedicated to maintaining a safe work environment and will demonstrate my commitment to Health and Safety through the actions highlighted below.

আমি নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি এবং নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি মেনে চলব এবং নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি মেনে চলব।

本人致力于维护安全的工作环境，并将通过以下行动展示我对健康和安全承诺。

It shall be my duty whilst at work to take reasonable care for my health and safety and others who may be affected by my acts and omissions.

আমি আমার কর্মক্ষেত্রে যত্ন সহকারে আমার স্বাস্থ্য এবং নিরাপত্তা এবং অন্যদের স্বাস্থ্য এবং নিরাপত্তা রক্ষা করে নেব।

在工作期间，我将有责任采取合理措施保障自己及可能受我行为影响的同事的健康和安全。

I have the following responsibilities under the "duty of care":

我拥有以下责任和义务：

我至少有以下责任和义务：

- I will make safety my value and responsibility.
আমি নিরাপত্তা আমার মূল্য এবং দায়িত্ব হিসেবে নেব।
我将安全作为我的价值和责任。
- I am responsible for my safety and the safety of others.
আমি আমার এবং অন্যদের নিরাপত্তা রক্ষা করব।
我对自己的安全负责，也对其他人的安全负责。
- I am committed to an incident and injury free workplace.
আমি একটি দুর্ভাগ্য এবং আঘাত মুক্ত কর্মক্ষেত্রে প্রতিশ্রুতি করছি।
我致力于事故和伤害-free 的工作环境。
- I will go above and beyond the minimum safety standards required of my job.
আমি আমার কাজের ক্ষেত্রে ন্যূনতম নিরাপত্তা মানের চেয়েও বেশি করে নিরাপত্তা করব।
我将去超越我的工作所需的最低安全标准之上。
- I will ensure that others are not exposed to unnecessary risk by my acts or omissions.
আমি নিশ্চিত করব যে অন্যদের স্বাস্থ্য এবং নিরাপত্তা আমার কর্মক্ষেত্রে অপ্রয়োজনীয় ঝুঁকি মুক্ত রাখি।
我将确保他人不会因我的行为而暴露于不必要的风险。
- I will actively anticipate and communicate error-likely situations and failed defenses.
আমি সক্রিয়ভাবে প্রত্যাশিত এবং যোগাযোগ করব সম্ভাব্য ত্রুটিসহকর্ম পরিস্থিতি এবং ব্যর্থ রক্ষা ব্যবস্থা।
我会主动预见并沟通可能发生错误的情况和失败的防护措施。
- I will not perform or permit an unsafe act - I have the responsibility and authority to stop work.
আমি নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি মেনে চলব এবং নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি মেনে চলব।
我不会进行或允许任何违反安全规定的行为，我有权利和责任停止工作。

	Design and build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharbpur under Dhaka Environmentally Sustainable Water Supply Project (DESWSP) OCCUPATIONAL HEALTH & SAFETY COMMITMENT েশমগত স্বাস্থ্য ও নিরাপত্তা প্রতিশ্রুতি 安全承諾
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- I will encourage and reinforce the safe behavior of others.
আমি অন্যদের নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি মেনে চলতে এবং শক্তিশালী করব।
我将鼓励和强化他人的安全行为。
 - I will work with management to decrease my exposure to risk.
কম্পিউট আমার ঝুঁকি হ্রাস করার জন্য আমি ব্যবস্থাপকদের সাথে কাজ করব।
我将与管理层合作以减少我的风险暴露。
 - I will set an example of safe behavior for my coworkers.
আমি আমার সহকর্মীদের জন্য নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি মেনে চলার দৃষ্টান্ত স্থাপন করব।
我将为我的同事树立一个安全行为的榜样。
 - I will stop unsafe working practices or report unsafe working practices to my management.
আমি নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি মেনে চলব বা অন্যদের নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি মেনে চলতে বাধা দেব।
我将停止不安全的工作实践或向我的管理层报告不安全的工作实践。
 - I acknowledge that every incident can be avoided.
আমি জানতে চেষ্টা করি যে প্রতিটি দুর্ভাগ্য এড়ানো যায়।
我承认所有事故都是可以避免的。
 - I acknowledge that every job can be done safely.
আমি জানতে চেষ্টা করি যে প্রতিটি কাজ নিরাপত্তা সহকারে করা যায়।
我承认每项工作都可以安全地完成。
 - I acknowledge that working safely is a Condition of my Employment!
আমি জানতে চেষ্টা করি যে নিরাপত্তা স্বাস্থ্য প্রতিশ্রুতি মেনে চলতে আমার কর্মের শর্ত।
我承认安全工作是我的工作条件。
 - I will lead by good example.
আমি ভাল উদাহরণ স্থাপন (করব) করব।
我将以身作则。
 - I will make these commitments part of my everyday life at work and at home.
আমি এই প্রতিশ্রুতিগুলি আমার কর্মক্ষেত্রে এবং বাড়িতে আমার দৈনন্দিন জীবনের অংশ করে নেব।
我将把这些承诺作为我工作和生活中的日常一部分。
- Name: FINATI MICHAEL
- Company: GWT
- Signature: [Signature]
- Date: 25/03/2021

Occupational Health & Safety Commitment form:

- This form is filled by all first timer employees after HSE Induction.
- Commitment is one of the ways to make employees to be positively involved in the safety Health and Safety processes on the project site.
- Commitment to safety is a characteristic of high Safety DNA



SAFETY TRAINING

• GWT WTP HSE Induction Attendance (28th Mar~24th Apr- 2021)

M M DAKSA Gandharbpur Water Treatment SNC SARF CITY VEDHA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)					M M DAKSA Gandharbpur Water Treatment SNC SARF CITY VEDHA	
HSE INDUCTION ATTENDANCE RECORD								
S/N	NAME	DESIGNATION	IDENTIFICATION NUMBER	COMPANY	SIGNATURE	DATE	REMARKS	
1	Gao Shengguang	Civil Engineer	E3723626	CAMEC	[Signature]	28-Apr-21	Refresher	
2	Shi Qun	HSE Engineer	E07457578	CAMEC	[Signature]	28-Apr-21	Refresher	
3	Cao Yuechu	Supervisor	E10526947	CAMEC	[Signature]	28-Apr-21	Refresher	
4	Yao Chengfu	Bar tender Superior	E02836865	CAMEC	[Signature]	28-Apr-21	Refresher	
5	Xiao Huaifan	Mason	E39309624	CAMEC	[Signature]	28-Apr-21	Refresher	
6	Xu Fexiang	Mason	E80181268	CAMEC	[Signature]	28-Apr-21	Refresher	
7	Zuo Shoulin	Mason	E033597271	CAMEC	[Signature]	28-Apr-21	Refresher	
8	Chen Zhiqiang	Mechanic	E18250442	CAMEC	[Signature]	28-Apr-21	Refresher	
9	Zhou Binwu	Steel Facer	E19475677	CAMEC	[Signature]	28-Apr-21	Refresher	
10	Li Guanghong	Steel Facer	E03113725	CAMEC	[Signature]	28-Apr-21	Refresher	
11	Zhai Rongbin	Steel Facer	E01246382	CAMEC	[Signature]	28-Apr-21	Refresher	
12	Shi Jinhai	Electrician	E19318507	CAMEC	[Signature]	28-Apr-21	Refresher	
13	Yin Gangheng	Steel Facer Superior	E19475889	CAMEC	[Signature]	28-Apr-21	Refresher	
14	Peng Xianwu	Deputy Finance Manager	E29730865	CAMEC	[Signature]	28-Apr-21	Refresher	
15	Liu Dandan	English Translator	E99371749	CAMEC	[Signature]	28-Apr-21	Refresher	
16	Yang Lida	Bar Tender Superior	E18964364	CAMEC	[Signature]	28-Apr-21	Refresher	

Instructor Name & Signature: Abul Kalam Azeed [Signature] Date: 24-APR-21

Interpreter Name and Signature: LIU DANDAN [Signature]

M M DAKSA Gandharbpur Water Treatment SNC SARF CITY VEDHA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)					M M DAKSA Gandharbpur Water Treatment SNC SARF CITY VEDHA	
HSE INDUCTION ATTENDANCE RECORD								
S/N	NAME	DESIGNATION	IDENTIFICATION NUMBER	COMPANY	SIGNATURE	DATE	REMARKS	
1	WAN YUYU 汪玉宇	Mason	E13932165	CAMEC	[Signature]	8-Apr-21		
2	SONG WEI 宋伟	Steel Bar Worker	E13932156	CAMEC	[Signature]	8-Apr-21		
3	WU WENWEI 吴文伟	Operating Officer	E13933105	CAMEC	[Signature]	8-Apr-21		
4	WU RAOBIN 吴超彬	Mason	E13243159	CAMEC	[Signature]	8-Apr-21		
5	WU RAOBIN 吴超彬	Steel Bar Worker	E13932576	CAMEC	[Signature]	8-Apr-21		
6	XU ZHONGLIN 许中林	CCDR	E10793038	CAMEC	[Signature]	8-Apr-21		
7	ZHANG RUPENG 张若鹏	HSE Engineer	E145299616	CAMEC	[Signature]	8-Apr-21		
8	Ariful Islam	Concrete/Mason Operator		CAMEC	[Signature]	8-Apr-21		

Instructor Name & Signature: Abul Kalam Azeed [Signature] Date: 08.04.2021

Interpreter: Tomas Gomez

08.04.2021

SAFETY TRAINING

- WTP Training (Basic Electrical Safety Awareness Training 24-Apr-21)



Gandharbaj Water Treatment SNC SUMEC CITY WATER	Design and built of intake, Raw Water Pipeline, and 100 MGD Water Treatment Plant at Gandharbaj under EPC (Interim) Sustainable Water Supply Project (SWS3) Date: 19 Jan 2021 Page 006/006	M M WEST MACDONALD S-00004-001-00-001-00-0001 Page 0/1
TRAINING ATTENDANCE SHEET		

Subject: Basic Electrical Safety Awareness Training
 Instructor: Mr. Abdul Kalam Azad
 Date & Time: 24th April 2021 @ 08:00 hrs.

S/N	Name	Job Title	Company	Signature
1	Gao Shangguang	Civil Engineer	CAMCE	
2	Shi Qun	HSE Engineer	CAMCE	
3	Cao Yuechu	Supervisor	CAMCE	
4	Yao Chengfa	Bar bender Supervisor	CAMCE	
5	Kao Huoshan	Mason	CAMCE	
6	Hu Yansong	Mason	CAMCE	
7	Zou Shoubin	Mason	CAMCE	
8	Chen Zhong	Mechanic	CAMCE	
9	Zhou Benyu	Steel Filer	CAMCE	
10	Li Guanghong	Steel Filer	CAMCE	
11	Zhai Rongbin	Steel Filer	CAMCE	
12	Shi Jinhai	Electrician	CAMCE	
13	Yin Cunhong	Steel Filer Superior	CAMCE	
14	Peng Xianou	Deputy Finance Manager	CAMCE	
15	Liu Dandan	English Translator	CAMCE	
16	Yang Lijial	Bar Bender Supervisor	CAMCE	

Instructor Signature: Date: 24.04.2021
 Interpreter Name and Sign: LIU DANDAN 31日

- #### Safety Training
1. Workplace Fatalities due to electricity
 2. Disabling Injuries due to electricity
 3. De-energize equipment before beginning work
 4. Implementing a lockout/tagout procedure as required
 5. Use insulating personal protective equipment
 6. Keep a safe distance from parts that are energize

Monthly HSE Report

SAFETY TRAINING

- **GWT WTP Training (Compressed Gas Cylinders Training 30-Mar-21)**

Gandharbgar Water Treatment SNC SGS CITY WATER A joint venture of SGS INTERNATIONAL & JYVIRGA	Design and Build of Intake, Raw Water Pipelines, and SEWAGE Water Treatment Plant at Gandharbgar under Dhaka Environmentally Sustainable Water Supply Project (DESWSP)	M M M DWASA
	Date: 29-Mar-2021 Rev: 006 (4/21)	B-02184-GWT-HS-EWT-RP-0028 Page 01
TRAINING ATTENDANCE SHEET		

Subject: Compressed Gas Cylinders Training
 Instructor: Md. Abdul Kalam Azad
 Date & Time: 30-March-2021 @ 03:30PM to 05:00 PM

S/N	Name	Job Title	Company	Signature
1	SALAUDDIN BAPARY	Welder	CAMCE	<i>SALAUDDIN</i>
2	MD. SHAMIM SHEKH	Welder	CAMCE	<i>SHAMIM</i>
3	ABDUL HAMID	Welder	CAMCE	<i>MD. HAMID</i>
4	ABUL KHAIR	Welder	CAMCE	<i>Abul khair</i>
5	MD. APU	Welder	CAMCE	<i>Apu</i>
6	BIPUL PRAMANIK	Welder	CAMCE	<i>Bi Pul. P.</i>
7	MD. NAZMUL MATSBAR	Carpenter	CAMCE	<i>---</i>
8	MD. HAZI ABU NOMEN	Carpenter	CAMCE	<i>---</i>
9	MD. SHAH HOSAIN	Mixer plant helper	CAMCE	<i>---</i>
10	Md. Liten Boy	Carpenter	CAMCE	<i>---</i>

Instructor Signature: *[Signature]*

Date: 30-03-2021



Safety Training
 Gas cylinders must be secured at all times to prevent tipping. secure cylinders. Cylinders must be segregated in hazard classes while in storage. Oxidizers (oxygen) must be separated from flammable gases, and empty cylinders must be isolated from filled cylinders.

Highlights

1. Identification
2. Handling and Use
3. Cylinder Storage
4. Moving Cylinders
5. Use and Operation
6. Cylinder Leaks

SAFETY TRAINING

- GWT WTP Training (Life Saving Rules Training 03-Apr-21)



Gandharbapur Water Treatment SNC SHREE CITY WATER Apartheid of Water Treatment & Distribution	Design and Build of intake, Raw Water Pipeline, and 300 MLD Water Treatment Plant at Gandharbapur under Dhaka Environmentally Sustainable Water Supply Project (DSWS)	M M BEST MANAGEMENT
Date: 03 April 2021	Page: 001 of 001	9-561584-GWT-AS-GWT-RR-0022
TRAINING ATTENDANCE SHEET		
Page 1/1		

Subject: GWT SNC Life Saving Rules
 Instructor: MZ Abul Kalam Azad
 Date & Time: 03rd April 2021 @0800 hrs

S/N	Name	Job Title	Company	Signature
1	Awal	Carpenter	CANICE	<i>[Signature]</i>
2	Md. Aslam Mia	Bar bender	CANICE	<i>[Signature]</i>
3	Md. Mannan Munshi	Welder	CANICE	<i>[Signature]</i>
4	Abu Bakkor	Welder	CANICE	<i>[Signature]</i>
5	Milon Mia	Carpenter	CANICE	<i>[Signature]</i>
6	Awal	Carpenter	CANICE	<i>[Signature]</i>
6	KARAKHORA ROHMATO	COOK	CANICE	<i>[Signature]</i>
7	Md Amr	Security	CANICE	<i>[Signature]</i>

Instructor Signature: *[Signature]* Date: 03.04.21

- The life-saving rules have been created to keep our people safe and create a common safety culture. They are an indicator of high-risk activity that we're involved in and provide a framework and guidance for safe operations.

GWT INTAKE / RWP SAFETY TRAINING

N/S	Training	Session	Persons	Date	
GWT-INTAKE	1	Induction	7	33	28 March 2021 31 March 2021 01 April 2021 08 April 2021 11 April 2021 24 April 2021
	2	Permit To Work	4	60	01 April 2021 07 April 2021 24 April 2021
	3	Excavation Hazard And Control	4	60	01 April 2021 07 April 2021 24 April 2021
	4	Electrical Basic Safety	4	60	01 April 2021 07 April 2021 24 April 2021
	5	Workplace Hygiene	2	38	01 April 2021 07 April 2021
	6	Gas Welding And Cutting	4	57	01 April 2021 07 April 2021 24 April 2021
	7	GWT Live Saving Rules	5	61	01 April 2021 07 April 2021 24 April 2021
	8	Work At Height	3	23	11 April 2021 24 April 2021
GWT-RWP	1	Induction	3	47	10-Apr-2021 13-Apr-2021
	2	Permit To Work	2	33	13-Apr-2021 20-Apr-2021
	3	Excavation Hazard And Control	2	33	13-Apr-2021 20-Apr-2021
	4	Electrical Basic Safety	2	33	13-Apr-2021 20-Apr-2021
	5	Workplace Hygiene	2	33	13-Apr-2021 20-Apr-2021
	6	Gas Welding And Cutting	2	33	13-Apr-2021 20-Apr-2021
	7	Work At Height	1	15	20-Apr-2021
	8	GWT Live Saving Rules	2	33	13-Apr-2021 20-Apr-2021

SAFETY TRAINING

• GWT INTAKE / RWP HSE Induction (28th Mar~24th Apr- 2021)



- HSE Policy
- Environmental policy
- Smoking Policy
- Personal protective equipment
- Project Site Specific Hazards
- Hot works
- Traffic management systems
- Pedestrian routes
- Fire prevention
- Permit-to-work systems
- Emergency arrangements
- First-aid arrangements;
- Accident and incident reporting arrangements
- Housekeeping
- Individual worker's responsibility for health and safety.
- GWT 10 Life Saving Rules



SAFETY TRAINING

• GWT INTAKE / RWP Employee Health & Safety Commitment

Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharbpur under Dhaka Environmentally Sustainable Water Supply Project (DSWSP) OCCUPATIONAL HEALTH & SAFETY COMMITMENT

My Commitment to Occupational Health and Safety on GWT SNC Project site

I am dedicated to maintaining a safe work environment and will demonstrate my commitment to Health and Safety through the actions highlighted below.

It shall be my duty whilst at work to take reasonable care for my health and safety and others who may be affected by my acts and omissions.

I have the following responsibilities under the 'duty of care':

1. I will make safety my value and responsibility.
2. I am responsible for my safety and the safety of others.
3. I am committed to an incident and injury free workplace.
4. I will go above and beyond the minimum safety standards required of my job.
5. I will ensure that others are not exposed to unnecessary risk by my acts or omissions.
6. I will actively anticipate and communicate error-likely situations and failed defenses.
7. I will not perform or permit an unsafe act — I have the responsibility and authority to stop work.
8. I will encourage and reinforce the safe behavior of others.
9. I will work with management to decrease my exposure to risk.
10. I will set an example of safe behavior for my coworkers.
11. I will stop unsafe working practices or report unsafe working practices to my management.
12. I acknowledge that every incident can be avoided.
13. I acknowledge that every job can be done safely.
14. I acknowledge that working safely is a Condition of my Employment!
15. I will lead by good example.
16. I will make these commitments part of my everyday life at work and at home.

Name: MD. SAMAD AHMED

Company: Line n Shape

Signature: [Signature]

Date: 08/04/21

Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharbpur under Dhaka Environmentally Sustainable Water Supply Project (DSWSP) OCCUPATIONAL HEALTH & SAFETY COMMITMENT

My Commitment to Occupational Health and Safety on GWT SNC Project site

I am dedicated to maintaining a safe work environment and will demonstrate my commitment to Health and Safety through the actions highlighted below.

It shall be my duty whilst at work to take reasonable care for my health and safety and others who may be affected by my acts and omissions.

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13. I acknowledge that every job can be done safely.
14. I acknowledge that working safely is a Condition of my Employment!
15. I will lead by good example.
16. I will make these commitments part of my everyday life at work and at home.

Name: Md. Sajib Miah

Company: Line n Shape

Signature: [Signature]

Date: 11/04/2021

Occupational Health & Safety Commitment form:

- This form is filled by all fist timer employees after HSE Induction.
- Commitment is one of the ways to make employees to be positively involved in the safety Health and Safety processes on the project site.
- Commitment to safety is a characteristic of high Safety DNA



SAFETY MEETING

- GWT INTAKE / RWP HSE Induction Attendance – 28th Mar~24th Apr-21)

Gandharipur Water Treatment SNC SURE CITY WATER A Joint Venture of SURE INTERNATIONAL & CITY 182324		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)				M M M M DHAKA Date: 28 Apr 2021 Rev: 001 (425)	
HSE INDUCTION RECORD							
S/N	NAME	DESIGNATION	IDENTIFICATION NUMBER	COMPANY	SIGNATURE	DATE	
1	MD. SHAMIM MIAM	Super Visit		Line n Shape	[Signature]	08-04-21	
2	MD. MOHAMMAD ISHAK	Survey Asst. Eng.		Line n Shape	[Signature]	08-04-2021	
3	MD. BHOJINUL HASAN	Electrician		Line n Shape	[Signature]	08-04-2021	
4	MD. JAMIL KANA	Site Engineer		Line n Shape	[Signature]	08-04-2021	
5	MR. ABDUL MANNAAN	Survey Engineer		Line n Shape	[Signature]	08-04-2021	
6	K. HAKIM HASSAN	CRANE OPT.		Line n Shape	[Signature]	08-04-2021	
7							
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14							
15							
16							
17							
18							
Instructor Name & Signature: Md. Dawud Hassan		Date: 08/04/2021					

Gandharipur Water Treatment SNC SURE CITY WATER A Joint Venture of SURE INTERNATIONAL & CITY 182324		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)				M M M M DHAKA Date: 24 Apr 2021 Rev: 001 (425)	
HSE INDUCTION RECORD							
S/N	NAME	DESIGNATION	IDENTIFICATION NUMBER	COMPANY	SIGNATURE	DATE	
1	MD. SHAMIM MIA	Welder		LnS	[Signature]	24-04-21	
2	Shakil Ahmed	Helper		LnS	[Signature]	24-04-21	
3	Shamim-2	Welder		LnS	[Signature]	24-04-21	
4	Uzair Sarker	Welder		LnS	[Signature]	24-04-21	
5	Shohel	Fitter		LnS	[Signature]	24-04-21	
6	Bashan Uddin	Fitter		LnS	[Signature]	24-04-21	
7	Liton Mia	Welder		LnS	[Signature]	24-04-21	
8	Bashan Uddin	Fitter		LnS	[Signature]	24-04-21	
9	Sharif Mia	Welder		LnS	[Signature]	24-04-21	
10	Saiful Islam	Helper		LnS	[Signature]	24-04-21	
11	Shohag	Welder		LnS	[Signature]	24-04-21	
12	MD. KABIR AHMED	Rigger		LnS	[Signature]	24-04-21	
13	MD. FIARU RAHMAN	Helper		LnS	[Signature]	24-04-21	
14	Ruhul Amin	Rigger		LnS	[Signature]	24-04-21	
15							
16							
17							
18							
Instructor Name & Signature: Sk. Anwar Farooq		Date: 24/04/2021					

SAFETY TRAINING

• GWT INTAKE / RWP HSE Training



Gas Welding And Cutting Highlights

- Storage and Handling of gas cylinders
- General Gas Welding Safety Precautions
- Personal Protective Equipment
- Proper Ventilation

Work at Height

Highlights

- Identification of accident causation
- Planning and organizing work at a height
- Identification of potential hazards
- Safety inspections and risk assessment

Excavation & Trenching Safety

Highlights

- Install Protective Systems.
- Use Alternative Trenching Methods.
- Conduct Atmospheric Testing.
- Beware of Falling Loads.
- Routinely Inspect Trenches.
- Install Safe Access and Egress Points.
- Locate Utility Lines Before Digging.
- Assign a Competent Person
- Install Proper Safety Signs

Monthly HSE Report



SAFETY TRAINING

• GWT INTAKE / RWP HSE Training Attendance

Gandharput Water Treatment SNC
 Design and Build of intake, raw water pumps, and 600,000 L water treatment plant at Gandharput under State Environmental Protection under Supply Project (SESP)
 Date: 20 April 2024
 Page 1 of 1

Subject: Saw Milling and Cutting
 Instructor: Md. Ewas Feroze
 Date & Time: 02 April 2024 // 14:00hrs

S/N	Name	Job Title	Company	Signature
1	Fajlun Mia	Rigger	Ure - Hagar	FAZLU
2	Nejmat Islam	Helper	-	
3	Abdul Jabbar	Fitter	-	
4	Fareed Khan	Foreman	-	
5	Gias Warden	Supervisor	-	Gias Warden
6	Sadof	Helper	-	
7	Hasmatun Rahman	Hammer Helper	-	
8	Abdul Hani Haque	Helper	-	
9	MD. Mowla Siddiq	Survey Eng.	-	
10	MD. ABDUL MANWAN	Survey Eng.	-	
11	Abdul Aziz	Helper	-	
12	Amran Ali	Helper	-	
13	Suman Khandaker	Rigger	-	
14	MD. KAMRAN	Ironwork	-	
15	MD. ROZEL MAH	Rigger	-	
16	MD. BABUL HASAN	Fitter	-	
17	Manik Helper	Helper	-	
18	Me. Jamal Mia	Welder	-	

Instructor Signature: *[Signature]* Date: 02 April 2024

Gandharput Water Treatment SNC
 Design and Build of intake, raw water pumps, and 600,000 L water treatment plant at Gandharput under State Environmental Protection under Supply Project (SESP)
 Date: 11-04-2024
 Page 1 of 1

Subject: Work at height
 Instructor: Md. Ewas Feroze
 Date & Time: 11-04-2024 // 16:00hrs

S/N	Name	Job Title	Company	Signature
1	MD. SAJIB MIHA	Welder	GSS	
2	Jawed Mohammed	Welder	GSS	
3	Ejaz	Welder	GSS	
4	MD. Fagatullah Almond	Fabrication Manager	GSS	

Instructor Signature: *[Signature]* Date: 11-04-2024

Gandharput Water Treatment SNC
 Design and Build of intake, raw water pumps, and 600,000 L water treatment plant at Gandharput under State Environmental Protection under Supply Project (SESP)
 Date: 20 April 2024
 Page 1 of 1

Subject: Formwork, Board and Label
 Instructor: Md. Ewas Feroze
 Date & Time: 20-04-2024 // 15:30hrs

S/N	Name	Job Title	Company	Signature
1	MD. SHAMUN MIA	Welder	LNS	
2	Shakil Ahmed	Helper	LNS	
3	Shamim - 2	Welder	LNS	
4	Usaid Sarker	Welder	LNS	
5	Shohel	Fitter	LNS	
6	Saidul Islam	Helper	LNS	
7	Shohag	Welder	LNS	
8	Banhan Warden	Fitter	LNS	
9	LITON MIA	Welder	LNS	
10	SHARIF MIA	Welder	LNS	
11	MD. KAMRAN AHAMMED	Rigger	-	
12	MORRISON	Helper	-	
13	RANJAN	Rigger	-	

Instructor Signature: _____ Date: _____



SAFETY MEETING

- WTP Toolbox Talk (CAMCE 5th, 17th, 19th April 21)



Institution Name / Project No: 0201-18-0000 Site Name: WTP Date: 19-04-21		Project No: 0201-18-0000 Site Name: WTP Date: 19-04-21		
Sub-Contractor: CAMCE Sub-Contractor Supervisor: MD NAZMUL HAKAN SYBAG Approved by Contractor's Supervisor: Abul Kalam Akram		Title: WEEKLY TOOLBOX MEETING Page: 1/1		
Site Location: CAMCE CAMP AREA Nature of Work: HEARING PROTECTION		Title: WTP Page: 1/1		
Task Name: HEARING PROTECTION Controls: The following controls shall be implemented to control the noise risk at the workplace:				
Permanent - We have informed everyone to using hearing loss, ear plug while working at noise area. High blood - Installed noise area barrier around pressure, the workplace to isolate the area from stress due spread noise. to produced - Conducted regular maintenance of the excessive machineries to maintain noise level. noise from lower. workplace - If operator or nearby worker does not use proper protection then expose to excessive noise may cause noise induced hearing loss, stress and fatigue. - provide appropriate awareness signs at workplace.				
Subcontractor Supervisor's Signature: R/S Date: 19-04-2021		List of Attendees:		
Sl. No	Name: S. I. B. S.	Job Title / S. I. B. S.	Company	Signature: S. I. B. S.
1	R. R. R. R. R.	Construction Manager	CAMCE	
2	R. R. R. R. R.	Engineer	CAMCE	
3	R. R. R. R. R.	HR Engineer	CAMCE	
4	R. R. R. R. R.	Site Security Head	CAMCE	
5	R. R. R. R. R.	Driver	CAMCE	
6	R. R. R. R. R.	Driver	CAMCE	
7	R. R. R. R. R.	Driver	CAMCE	
8	R. R. R. R. R.	Driver	CAMCE	
9	R. R. R. R. R.	Site Floor	CAMCE	
10	R. R. R. R. R.	Site Floor	CAMCE	
11	R. R. R. R. R.	Site Floor	CAMCE	
12	R. R. R. R. R.	Electrician	CAMCE	
13	R. R. R. R. R.	Site Floor	CAMCE	
14	R. R. R. R. R.	Site Security	CAMCE	
15	R. R. R. R. R.	Team Lead - Security	CAMCE	
16	R. R. R. R. R.	Building Plant Engineer	CAMCE	
17	R. R. R. R. R.	Building Plant Operator	CAMCE	
18	R. R. R. R. R.	Site Floor	CAMCE	
19	R. R. R. R. R.	Operator	CAMCE	
20	R. R. R. R. R.	Operator	CAMCE	
21	R. R. R. R. R.	Operator	CAMCE	
22	R. R. R. R. R.	Storekeeper	CAMCE	
23	R. R. R. R. R.	Operator	CAMCE	
24	R. R. R. R. R.	Operator Head	CAMCE	
25	R. R. R. R. R.	Site Floor	CAMCE	
26	R. R. R. R. R.	Operator	CAMCE	
27	R. R. R. R. R.	Operator	CAMCE	
28	R. R. R. R. R.	Operator	CAMCE	

Hearing Protection:

- Engineering Controls
- Administrative Controls.
- Hearing protection devices (HPDs)

Monthly HSE Report



SAFETY MEETING

- WTP Toolbox Talk (Bhuyan Traders 31st , 6th , 12th , 21st April 21)



Gandharipur Water Treatment SNC		Preparation and Control of Work, Day Work System, and OHSW Code		M M	
Gandharipur Water Treatment SNC		Preparation and Control of Work, Day Work System, and OHSW Code		Maitland Macdonald	
Gandharipur Water Treatment SNC		Preparation and Control of Work, Day Work System, and OHSW Code		Maitland Macdonald	
DAILY TOOL BOX MEETING					
Date	DATE: WTP	Day	11-04-2021		
Job/Contractor	DRUMS TRADING	Site	1100-045		
Sub-Contractor/Supervisor	MR. ANIL KUMAR	Time	11:00-11:45		
Approved by/Contractor's Supervisor	MR. ANIL KUMAR	Time	11:00-11:45		
Description	WTP	Time	11:00-11:45		
Scope of work	Installation of Sand and Loading into dump truck for backfilling.				
Activities/Task	Heavy Vehicle Movement				
CONTROLS					
<p>Excavator due to poor traffic management:</p> <ul style="list-style-type: none"> • Excavator paper traffic management • Use shapers for road within two-way road • Pedestrian walkway must be segregated and well demarcated • Provide mirror for all blind spot • Deploy flag man for traffic movement of vehicles at some location • Sound horn frequently and use alarm when reversing • Provide speed breaker if needed 					
<p>Failure of backfilling job:</p> <ul style="list-style-type: none"> • Carry out daily machine checks, eg. brakes, oil, tyre condition. • Post operators and freely check in part of their daily checks ensure that all mirrors, cameras, lights, lights and audible devices are fully functional and the lighting of each of them report any defects to their supervisor immediately. 					
<p>Fall from vehicle:</p> <ul style="list-style-type: none"> • All vehicles under motion in good condition • Insured and safe while operating activities • Use 3-point mounting and restraining technique of all heavy equipment. WITH LAMP (LAMP EQUIPMENT) 					
<p>W/ty reversing vehicle:</p> <ul style="list-style-type: none"> • Establish a danger zone that is the working area when contact occur with or person or thing in danger during operation. • Fresh front and rear view of the work area to accommodate any accident prevention. • Maintain clear line of sight between the operator and workers blind spot and reverse. If you can't see the operator, they can't see you • Workers should wear a reflective vest for all jobs of the heavy equipment vehicle in a job • Wear high visibility clothing and Personal Protective Equipment • Always stop work and always use restraining • Always use a rear view camera if fitted and a backup horn if applicable • Reduce speed, acceleration, braking and change of direction 					
<p>Custom clearance and environmental impact:</p> <ul style="list-style-type: none"> • Workers must stop work when in use • Stop work is provided at the storage of the material of the • Workers like to inspect and repair regularly to reduce harmful particles passed into atmosphere 					

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Maitland Macdonald's Signature: <u>Maitland Macdonald</u> On: <u>11-04-2021</u>																																																																																																																					

Excavation & Trenching Safety Highlights

- Install Protective Systems..
- Beware of Falling Loads.
- Routinely Inspect Trenches.
- Install Safe Access and Egress Points.
- Locate Utility Lines Before Digging.
- Assign a Competent Person
- Install Proper Safety Signs



SAFETY MEETING

- GWT INTAKE / RWP Toolbox Talk (SBPL April 21)



2021/4/7 09:14



2021/4/21 09:01

Summit City Water SNC Project and Staff of Water, Sewer, Stormwater and WWT Treatment Treatment Plant of Gandharbgar Water Treatment SNC Gandharbgar Water Treatment Plant (GWT)		M M Macdonald Construction Services	
Date: 21/04/2021 Time: 09:00 AM Location: GWT Intake / RWP		Date: 21/04/2021 Time: 09:00 AM Location: GWT Intake / RWP	
SAFETY TOOL BOX MEETING			
To:	WWT Plant	Date:	21/04/2021
EO/Coordinator:	Shafa Sheikh / Head Lead		
EO/Coordinator Supervisor:	Umar Khan	Date:	08/01/2021
Approved by Contractor's Supervisor:	Mr. Umar Khan	Date:	08/01/2021
Work Location:	WWT Plant	Date:	08/01/2021
Scope of Work:	Cleaning & Care		
Facilities Type:	Housekeeping Cleaning & disinfecting of Dormitory, Office building area.		
Tool Incident:	DISINFECTANT In the morning, after the start of the day, the disinfectant was used to disinfect the dormitory.		
Cleaning & disinfecting of dormitory & office building area:	Disinfectant was used to disinfect the dormitory, office building area. The disinfectant was used to disinfect the dormitory, office building area. The disinfectant was used to disinfect the dormitory, office building area.		
Household & gear:	Check regularly for any broken parts or materials.		
Vehicle Care:	Wash regularly from an outdoor wash area of the site & wash regularly. Remove water with high pressure.		
	Check the condition of the vehicle & report any damage or wear to the supervisor.		
	Change & wash the work clothes regularly. If there is any damage or wear to the work clothes, report it to the supervisor.		
	Always use the correct & effective cleaning methods.		
	Keep the parking area clean & safe. Report any damage or wear to the supervisor.		
	Drive safely & avoid any dangerous situations.		
	Use proper PPE for driving work.		

S/N	Name	Job Title	Company	Signature
1	Umar Khan	EO/Coordinator	SBPL	[Signature]
2	Shafa Sheikh	Head Lead	SBPL	[Signature]
3	Umar Khan	EO/Coordinator	SBPL	[Signature]
4	Umar Khan	EO/Coordinator	SBPL	[Signature]
5	Umar Khan	EO/Coordinator	SBPL	[Signature]
6	Umar Khan	EO/Coordinator	SBPL	[Signature]
7	Umar Khan	EO/Coordinator	SBPL	[Signature]
8	Umar Khan	EO/Coordinator	SBPL	[Signature]
9	Umar Khan	EO/Coordinator	SBPL	[Signature]
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12	Umar Khan	EO/Coordinator	SBPL	[Signature]
13	Umar Khan	EO/Coordinator	SBPL	[Signature]
14	Umar Khan	EO/Coordinator	SBPL	[Signature]
15	Umar Khan	EO/Coordinator	SBPL	[Signature]
16	Umar Khan	EO/Coordinator	SBPL	[Signature]

Subcontractor Supervisor's Signature: [Signature] Date: 21/04/21

Camps & Catering Services Highlights

- Housekeeping
- Dormitory, Kitchen and Office Areas Disinfection

SAFETY MEETING

• GWT INTAKE Toolbox Talk (Shape & Line - April 21)



Toolbox Talk		
Date	Time	Location
21/04/2021	08:30	Site
Topic	Lifting & Hoisting	
Facilitator	Neil Mitchell	
Attendees	1. [Name] 2. [Name] 3. [Name] 4. [Name] 5. [Name] 6. [Name] 7. [Name] 8. [Name] 9. [Name] 10. [Name] 11. [Name] 12. [Name] 13. [Name] 14. [Name] 15. [Name] 16. [Name] 17. [Name] 18. [Name] 19. [Name] 20. [Name] 21. [Name] 22. [Name] 23. [Name] 24. [Name] 25. [Name] 26. [Name] 27. [Name] 28. [Name] 29. [Name] 30. [Name] 31. [Name] 32. [Name] 33. [Name] 34. [Name] 35. [Name] 36. [Name] 37. [Name] 38. [Name] 39. [Name] 40. [Name] 41. [Name] 42. [Name] 43. [Name] 44. [Name] 45. [Name] 46. [Name] 47. [Name] 48. [Name] 49. [Name] 50. [Name] 51. [Name] 52. [Name] 53. [Name] 54. [Name] 55. [Name] 56. [Name] 57. [Name] 58. [Name] 59. [Name] 60. [Name] 61. [Name] 62. [Name] 63. [Name] 64. [Name] 65. [Name] 66. [Name] 67. [Name] 68. [Name] 69. [Name] 70. [Name] 71. [Name] 72. [Name] 73. [Name] 74. [Name] 75. [Name] 76. [Name] 77. [Name] 78. [Name] 79. [Name] 80. [Name] 81. [Name] 82. [Name] 83. [Name] 84. [Name] 85. [Name] 86. [Name] 87. [Name] 88. [Name] 89. [Name] 90. [Name] 91. [Name] 92. [Name] 93. [Name] 94. [Name] 95. [Name] 96. [Name] 97. [Name] 98. [Name] 99. [Name] 100. [Name]	
Topic	The importance of ensuring that all lifting and hoisting activities are carried out in a safe and controlled manner. This includes ensuring that all equipment is inspected and maintained, that all personnel are trained and competent, and that all lifting and hoisting activities are planned and controlled.	
Key Points	1. Ensure that all lifting and hoisting activities are planned and controlled. 2. Ensure that all equipment is inspected and maintained. 3. Ensure that all personnel are trained and competent. 4. Ensure that all lifting and hoisting activities are carried out in a safe and controlled manner. 5. Ensure that all lifting and hoisting activities are carried out in accordance with the relevant standards and regulations.	

Toolbox Talk		
Date	Time	Location
21/04/2021	08:30	Site
Topic	Hot Work Procedures	
Facilitator	Neil Mitchell	
Attendees	1. [Name] 2. [Name] 3. [Name] 4. [Name] 5. [Name] 6. [Name] 7. [Name] 8. [Name] 9. [Name] 10. [Name] 11. [Name] 12. [Name] 13. [Name] 14. [Name] 15. [Name] 16. [Name] 17. [Name] 18. [Name] 19. [Name] 20. [Name] 21. [Name] 22. [Name] 23. [Name] 24. [Name] 25. [Name] 26. [Name] 27. [Name] 28. [Name] 29. [Name] 30. [Name] 31. [Name] 32. [Name] 33. [Name] 34. [Name] 35. [Name] 36. [Name] 37. [Name] 38. [Name] 39. [Name] 40. [Name] 41. [Name] 42. [Name] 43. [Name] 44. [Name] 45. [Name] 46. [Name] 47. [Name] 48. [Name] 49. [Name] 50. [Name] 51. [Name] 52. [Name] 53. [Name] 54. [Name] 55. [Name] 56. [Name] 57. [Name] 58. [Name] 59. [Name] 60. [Name] 61. [Name] 62. [Name] 63. [Name] 64. [Name] 65. [Name] 66. [Name] 67. [Name] 68. [Name] 69. [Name] 70. [Name] 71. [Name] 72. [Name] 73. [Name] 74. [Name] 75. [Name] 76. [Name] 77. [Name] 78. [Name] 79. [Name] 80. [Name] 81. [Name] 82. [Name] 83. [Name] 84. [Name] 85. [Name] 86. [Name] 87. [Name] 88. [Name] 89. [Name] 90. [Name] 91. [Name] 92. [Name] 93. [Name] 94. [Name] 95. [Name] 96. [Name] 97. [Name] 98. [Name] 99. [Name] 100. [Name]	
Topic	The importance of ensuring that all hot work activities are carried out in a safe and controlled manner. This includes ensuring that all equipment is inspected and maintained, that all personnel are trained and competent, and that all hot work activities are planned and controlled.	
Key Points	1. Ensure that all hot work activities are planned and controlled. 2. Ensure that all equipment is inspected and maintained. 3. Ensure that all personnel are trained and competent. 4. Ensure that all hot work activities are carried out in a safe and controlled manner. 5. Ensure that all hot work activities are carried out in accordance with the relevant standards and regulations.	

- Hot work Procedures Highlights**
- Area Housekeeping
 - Removing combustible materials
 - Screens and fire blankets
 - Task specific PPEs
 - Electrical hazards
 - Fire hazards
 - Compressed gas hazards
 - Flashbacks
- Lifting Procedures Highlights**
- Evaluate the load and ensure it is a single block
 - Ensure the lifting area is clear,
 - Demarcation and prohibition of access
 - Visual inspection of all the selected equipment prior to use
 - Proper communications between team members
 - Pre-start inspection before actual commencement of task

SAFETY MEETING

- GWT RWP Uchitpura Toolbox Talk (April 21)



Job Details		Job Details	
Job No.	Job Name	Job No.	Job Name
001	Excavation	002	Excavation
002	Excavation	003	Excavation
003	Excavation	004	Excavation
004	Excavation	005	Excavation
005	Excavation	006	Excavation
006	Excavation	007	Excavation
007	Excavation	008	Excavation
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098	Excavation	099	Excavation
099	Excavation	100	Excavation

- Excavation Safety:**
- Soil type, weight and strength
 - Ground water
 - Sloping ground
 - Surcharges or vibrations that could destabilize the excavation, such as vehicles, buildings or stockpiled materials
 - The potential for the excavation to disturb or damage nearby structures, underground or overhead services
 - Safe working methods and construction methodologies

SAFETY MEETING

- GWT RWP Chaitankanda Toolbox Talk (April 21)



Date of Meeting: 10-4-21		Date of Meeting: 10-4-21	
Topic: Safety Meeting		Topic: Safety Meeting	
Sl. No.	Remarks	Sl. No.	Remarks
1	Topic: Safety Meeting	1	Topic: Safety Meeting
2	Topic: Safety Meeting	2	Topic: Safety Meeting
3	Topic: Safety Meeting	3	Topic: Safety Meeting
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27	Topic: Safety Meeting	27	Topic: Safety Meeting
28	Topic: Safety Meeting	28	Topic: Safety Meeting
29	Topic: Safety Meeting	29	Topic: Safety Meeting
30	Topic: Safety Meeting	30	Topic: Safety Meeting

- ### Hot work Operations Highlights
- Common hazards associated with hot working
 - Hot works risk assessment
 - Housekeeping
 - Task specific PPEs
 - Competency and skills

SAFETY MEETING

- Safety Moment Attendance (Maintaining Good Health & Safety During Ramadan 12-Apr-21)
 - WTP




Highlights

- Flexible about working hours, work duties and break times
- Working in cool areas and limitation of energy sapping activities
- Consulting with site workers for additional risks that need to be addressed.
- Ensuring workers understand the effects of fasting and what to be mindful of at work



SAFETY MEETING

- Safety Moment Attendance (Maintaining Good Health & Safety During Ramadan 12-Apr-21)
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Gandharbat Water Treatment SNC Design and Build of Intake, Raw Water Pipelines and SDCMS Water Treatment Plant at Gandharbat under Shikohabad Municipality Sustainable Water Supply Project (SWSMP)		Gandharbat Water Treatment SNC Design and Build of Intake, Raw Water Pipelines and SDCMS Water Treatment Plant at Gandharbat under Shikohabad Municipality Sustainable Water Supply Project (SWSMP)		Gandharbat Water Treatment SNC Design and Build of Intake, Raw Water Pipelines and SDCMS Water Treatment Plant at Gandharbat under Shikohabad Municipality Sustainable Water Supply Project (SWSMP)																																																																																																																																																																																																																																																												
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DAILY TOOL BOX MEETINGS - SAFETY MOMENT		WEEKLY TOOL BOX MEETING		WEEKLY TOOL BOX MEETING																																																																																																																																																																																																																																																												
<p>Topic: Maintaining Good Health & Safety During Ramadan</p> <p>Date & Time: 12-Apr-2021 (00:00 Hours)</p> <p>In a couple of days, the Islamic holy month of Ramadan will commence, and all Muslims around the world will be fasting and some adherents may go long hours without eating.</p> <p>The side effect of fasting is simple hunger. For others, fasting can cause drops in blood sugar, sleepiness, light-headedness, or trouble concentrating.</p> <p>So, it's particularly challenging for site workers who perform physically demanding jobs.</p> <p>Prolonged work under the sun eventually results in electrolyte loss due to dehydration, and in order to balance this, it is essential to eat appropriate dietary combinations.</p> <p>What adjustments can be made</p> <p>It is reasonable to make appropriate allowances for fasting workers where their job allows. Consider the following:</p> <ol style="list-style-type: none"> 1. Flexible about working hours, work duties and break times 2. Where possible work should be carried out in cool areas and physical activities limited 3. Management and employees consulting to see if there are any additional risks that need to be addressed. <p>Discuss Ramadan with your team</p> <ul style="list-style-type: none"> • Ensure colleagues understand the effects of fasting and what to be mindful of at work • Identify whether anyone in your team is fasting • Encourage discussion and be open about possible adjustments, so that a fasting colleague feels they can come to you if they need some support • Remind workers who are fasting that they MUST stop work immediately and tell their supervisor/manager if they feel unwell or unable to carry out their work safely • Be sensitive to the subject of fasting and what it represents.  <p>Ramadan Kareem</p>																																																																																																																																																																																																																																																																
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SAFETY MEETING

- Safety Moment Attendance (Fall Prevention & Protection 29th –Mar-21)
 - WTP

Gandharbat Water Treatment SNC 4811 Anderson Drive, Victoria, BC (519) 373-0300 4811 Anderson Drive, Victoria, BC	Design and Build of intake, Raw Water Pipeline, and 300 MGD Sewer Treatment Plant at Gandharbat under Shasta Sustainable Water Supply Project 2015/16 Date: 29-Mar-2021 Rev: 001/001 DAILY TOOL BOX MEETING – SAFETY MOMENT Page 1/1	M M MCC M MCC 8-16164-DAT-46-DAT-4P-0008
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Topic: FALL PREVENTION & PROTECTION
 Date & Time: 29-Mar-2021 (16:00 Hours)

The risk for falls is virtually present in every single workplace, however, the factors that can lead to a fall varies greatly. There are many specific unsafe acts by employees as well as unsafe conditions that lead to fall incidents. Falls often result from a series of uncontrolled factors. They are often the result of multiple unsafe conditions and unsafe actions combined. Because of this fact, it is important to look at unsafe conditions as well as unsafe actions to recognize hazardous situations when working at heights.

Unsafe Conditions that Lead to Falls

- Unguarded leading edges
- Open holes
- Improper guardrails
- Damaged equipment (ladders, stairs, safety equipment, etc.)
- Slippery conditions
- Unmarked elevation changes

Unsafe Actions that Lead to Falls

- Working at heights without fall protection or fall prevention methods in place
- Improper use of ladders
- Leaping over guardrails

Best Practices to Avoid Falls in the Workplace

The best way to avoid falls is by eliminating work tasks that require working at heights in the first place. Obviously elimination is not always possible so the risk of falling has to be mitigated through safeguards.

- Engineering controls such as physical barriers and guardrails are two fall protection systems that are effective in preventing falls from heights.
- Using a proper fall arrest system such as a full body harness, self-retracting lifelines, and approved anchor point with 100% tie-off is a another way to prevent or mitigate the consequences of a fall.
- Proper use of ladders. This includes using three points of contact when climbing, not leaning to one side while on the ladder, setting the ladder at the proper angle, securing the ladder, etc.
- Proper housekeeping in work areas is important in preventing falls at the same level as well as falls from heights.
- Warning signs and other methods of communicating fall hazards to nearby workers.

Summary

There are many factors that can cause or contribute to a fall occurring in the workplace. Unsafe conditions paired with unsafe actions of workers while working at heights is a recipe for disaster. Do not put yourself or another worker in a position where an injury due to a fall can occur.

SAFETY IS NOT ONLY ABOUT TAKING PRECAUTIONS, IT'S ALSO ABOUT TAKING RESPONSIBILITY



Highlights

- Fall from height
- Dropped Object
- Getting struck by falling tools or debris
- Collapse of scaffolding mainly caused by: Poor design, unauthorized alteration
- Hit by protruding tube and sharp edges
- Pinch Point/ hand traps
- Poor design and unauthorized alteration
- Overloading the scaffold platform
- vehicle impact
- Faulty fittings and materials
- Inadequate bracing
- Extensive wind and rain
- Unstable foundation

Monthly HSE Report

SAFETY MEETING

- Safety Moment Attendance (Fall Prevention & Protection 29th –Mar-21)
 - WTP

S/N	Name	Job Title	Company	Signature
1	Md. Raju Mia	Electricians	CAMCE	<i>[Signature]</i>
2	Md. Mamun Rashid	Mechanics	CAMCE	<i>[Signature]</i>
3	Abdul Zolbar	Electricians	CAMCE	<i>[Signature]</i>
4	Md. Sahag	Surveyor Asst.	CAMCE	<i>[Signature]</i>
5	Md. Ali Hossain	Electricians	CAMCE	<i>[Signature]</i>
6	Md. Sohel Sheikh	Mason	CAMCE	<i>[Signature]</i>
7	Md. Razzak Mia	Loader Operator	CAMCE	<i>[Signature]</i>
8	Md. Shamsun Shukh	Welder	CAMCE	<i>[Signature]</i>
9	Ms. Tajul	Carpenter	CAMCE	<i>[Signature]</i>
10	Ms. Harun Or Rosid	Mason	CAMCE	<i>[Signature]</i>
11	Ms. Apu	Welder	CAMCE	<i>[Signature]</i>
12	Md. Ali Akbar	Carpenter	CAMCE	<i>[Signature]</i>
13	Md. Munsor Ahmed Mulla	Carpenter	CAMCE	<i>[Signature]</i>
14	Md. Shariful Islam	Batching Plant Operator	CAMCE	<i>[Signature]</i>
15	Md. Amin	Excavator Operator	CAMCE	<i>[Signature]</i>
16	Md. Masud Hossain Mehed Hasan	Concrete Pump Operator	CAMCE	<i>[Signature]</i>
17	Md. Shahabuddin Howlader	Mechanic	CAMCE	<i>[Signature]</i>
18	Md. Rasel Mia	Bar Bender	CAMCE	<i>[Signature]</i>
19	Md. Rahim	Bar Bender	CAMCE	<i>[Signature]</i>
20	Md. Badsha	Bar Bender	CAMCE	<i>[Signature]</i>
21	Abul Khar	Welder	CAMCE	<i>[Signature]</i>
22	Md. Alauddin Malik	Mason	CAMCE	<i>[Signature]</i>
23	Anower Hossain	Mason	CAMCE	<i>[Signature]</i>
24	Abdul Rashid	Lab. Technician	CAMCE	<i>[Signature]</i>
25	Md. Babul Miah	QC/QC Inspector	CAMCE	<i>[Signature]</i>
26	Md. Akramuzzaman	HSE Officer	CAMCE	<i>[Signature]</i>
27	Md. Shohel Rana	Surveyor	CAMCE	<i>[Signature]</i>
28	Faisal Alam	Planning Engineer	CAMCE	<i>[Signature]</i>
29	Md. Nazemul Hossain Sahag	HSE Engineer	CAMCE	<i>[Signature]</i>

S/N	Name	Job Title	Company	Signature
206	胡松才 HU SONGCAI	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
207	柯平安 KE PINGAN	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
208	柯友华 KE YOUHUA	钢筋工 Steel Floor	CAMCE	<i>[Signature]</i>
209	石先华 SHI XIANHUA	钢筋工 Steel Floor	CAMCE	<i>[Signature]</i>
210	王洪忠 WANG SHUZHONG	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
211	王思博 WANG ZHONGXIANG	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
212	肖胜宇 XIAO SHENGPING	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
213	袁家华 YUAN JIAHUA	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
214	杨传和 YANG CHUANHE	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
215	袁如意 YUAN ZHIYI	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
216	张富春 ZHANG FUCHUN	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
217	张国江 ZHANG GUOZHANG	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
218	程森 CHENG SEN	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
219	蒋洪根 JIANG HONGGEN	CARPENTER FOREMAN	CAMCE	<i>[Signature]</i>
220	梅声英 MEI SHENGYING	MATERIAL STAFF	CAMCE	<i>[Signature]</i>
221	彭义春 PENG YICHUN	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
222	乐安明 YUE ANMING	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
223	张福宇 ZHANG FUYU	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
224	朱志培 ZHU ZHONGPEI	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
225	朱忠武 ZHU ZHONGWU	B.I. CARPENTER	CAMCE	<i>[Signature]</i>
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Subcontractor Supervisor's Signature: *[Signature]*

Date: 29-03-2021

SAFETY MEETING

- Safety Moment Attendance (Maintaining Good Health & Safety During Ramadan 12-Apr-21)
 - INTAKE / RWP



Sl No	Name	Job Title	Company	Signature
1	MD Shaukat Mirza	Rigger	lms	[Signature]
2	Abul Wahab	HSE officer	11	[Signature]
3	Mirzaul Haq	site engineer	11	[Signature]
4	Md. Haseem Mirza	Site Supervi	LMS	[Signature]
5	Iqbal Ahmad	Site Supervi	11	[Signature]
6	Daryal Hassan	Signal man	11	[Signature]
7	MSY SAIFUL	Supervisor	11	[Signature]
8	MD Babar	Rigger	11	[Signature]
9	MD Masood Jaleel	Rigger	11	[Signature]
10	MD Jewel Badsha	Rigger	11	Jewel
11	MD Jewel Mirza	Hammer OP	11	[Signature]
12	MD Dalim Akbar	Hammer OP	11	Dalim
13	MR NAJIB ULLAH Sidi	HELPER	11	[Signature]
14	SANJIV KALIA	Rigger	11	[Signature]
15	HUBB	FITTER	11	[Signature]
16	RAKIB	CRANE OPERATOR	11	rakib
17	Amir	Welder	11	[Signature]
18	Rahmanullah Bala	Rigger	11	[Signature]
19	Shahid Mirza	welder helper	11	[Signature]
20	Pattar	Rigger help	11	[Signature]
21	Abdul Hassan	Helper	11	[Signature]
22	Abdul Jaleel	11	11	[Signature]
23	Abdul Amir	Rigger	11	[Signature]
24	Abul Hashem	Rigger	11	[Signature]
25	Umar Mirza	Flagger	11	[Signature]
26	Habibullah Amir	welder	11	[Signature]
27	Rahman Mirza	welder helper	11	[Signature]



Subcontractor Supervisor's Signature: [Signature] Date: 12/04/2021

Highlights

- Flexible about working hours, work duties and break times
- Working in cool areas and limitation of energy sapping activities
- Consulting with site workers for additional risks that need to be addressed.
- Ensuring workers understand the effects of fasting and what to be mindful of at work

SAFETY MEETING

• Safety Moment Attendance (Scaffolding Hazards)

Gandharbat Water Treatment SNC 27282E 074 QATAR 4000 Square ft Salt Water Desalination & DYE WATER	Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharbat under Dhaka Environmentally Sustainable Water Supply Project (DSWSWP) Phase: 1B Jul 2016 - Rev: 005 (2016) E-302462-SWT-115-SWT-0P-5000 Page 1/2	M M MCDERMOTT INTERNATIONAL
DAILY TOOL BOX MEETING – SAFETY MOMENT		
Topic: SCAFFOLDING HAZARDS & PRECAUTIONARY MEASURES		
Date & Time: 15-Mar-2021 (06:00 Hours)		
HAZARDS OF SCAFFOLDINGS <ul style="list-style-type: none"> Fall from height Dropped Object Getting struck by falling tools or debris Collapse of scaffolding mainly caused by: Poor design, unauthorized alteration Hit by protruding tube and sharp edges Peak Point/ level traps Floor design and unauthorized alteration Overloading the scaffold platform Vehicle impact Faulty fittings and materials Inadequate bracing Excessive wind and rain Unstable foundation Undermined by excavation Impact by crane suspended load 	PRECAUTIONARY MEASURES TO BE TAKEN: <ul style="list-style-type: none"> Area survey should be conducted before erection by Competent workers Ensure that scaffold is green tagged and valid inspection date Use Full body harness with 100% tie off if over reaching Ensure required area to be barricaded for scaffolding with signage Use of double lanyard harness Provision of toe boards and handrails Ladder should be at correct angle and extended 1 m above the landing Use of PPE's including helmets with chinstraps Precaution barricades and warning signs within the drop zones Use tools belt or tool lanyard for containment of hand tools Avoid working in adverse weather condition, max safe wind speed is 32km/h Always maintain proper housekeeping and keep the materials in designated areas only Secure the tools/ loose material while working on scaffolding Always store use full body harness in safe place Ensure all protruding scaffolding tubes and nuts are covered with protective caps in access area. Avoid use of fire and wear impact resistant gloves. 	
 <p>Poorly designed Scaffolding</p>	 <p>Properly designed Scaffolding</p>	

Gandharbat Water Treatment SNC 27282E 074 QATAR 4000 Square ft Salt Water Desalination & DYE WATER	Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharbat under Dhaka Environmentally Sustainable Water Supply Project (DSWSWP) Phase: 1B Jul 2016 - Rev: 005 (2016) E-302462-SWT-115-SWT-0P-5000 Page 2/2	M M MCDERMOTT INTERNATIONAL	
DAILY TOOL BOX MEETING – SAFETY MOMENT			
150. Shahe	Scaffolder	CAMCE	SHAWA
151. Md. Gayas Miah	Scaffolder	CAMCE	ISMAT
152. Akash Miah	Scaffolder	CAMCE	ABASH
153. Md. Riaz Poyeda	Bar bender	CAMCE	Riaz
154. Md. Osman Bhayan	Mason	CAMCE	OSMAN
155. Md. Mahubub	Carpenter	CAMCE	Mahubub
156. Md. Ripon Farazi	Carpenter	CAMCE	RIPON
157. Asadul Molla	Carpenter	CAMCE	ASADUL MOLA
158. Md. Zahedul Shikder	Carpenter	CAMCE	ZAHEDUL SHIKDER
159. Bipul Chandra Bormon	Carpenter	CAMCE	BIPUL CHANDRA
160. Md. Shohdul Islam	Carpenter	CAMCE	SHOHDEL ISLAM
161. Md. Rakibul Islam	Carpenter	CAMCE	RAKIBUL ISLAM
162. Md. Moklesur Rahman	Bar Bender	CAMCE	MOKLESUR
163. Kh-ismail	Carpenter	CAMCE	ISMAT
164. MR. Juel Mia	Bar bender	CAMCE	JUEL MIA
165. Mr. Monir Hossain Hawlader	Carpenter	CAMCE	MONIR HOSSAIN
166. 姚文江 YAO CHENGFA	Bar Bender Superior	CAMCE	姚文江
167. 肖华山 XIAO HUASHAN	Mason	CAMCE	肖华山
168. 许正祥 XU ZHENGLIANG	Mason	CAMCE	许正祥
169. 鄧宇彬 ZOU SHOURIN	Mason	CAMCE	鄧宇彬
170. 程志强 CHEN ZHENGLIANG	Mason	CAMCE	程志强
171. 周文武 ZHOU BENWU	钢筋工 Steel Fixer	CAMCE	周文武
172. 李广 LI GUANGHONG	钢筋工 Steel Fixer	CAMCE	李广
173. 张荣荣 ZHANG RONGRONG	钢筋工 Steel Fixer	CAMCE	张荣荣
174. 杨露露 YANG LULU	钢筋工 Steel Fixer	CAMCE	杨露露
175. 陈伟 CHEN WEI	钢筋工 Steel Fixer	CAMCE	陈伟
176. 程安平 CHENG ANPING	木工 CARPENTER	CAMCE	程安平
177. 程立清 CHENG LIANGQING	木工 CARPENTER	CAMCE	程立清
178. 程中文 CHENG ZHONGWEN	木工 CARPENTER	CAMCE	程中文
179. 胡松才 HU SONGCAI	木工 CARPENTER	CAMCE	胡松才

SAFETY MEETING

- GWT WTP HSE Weekly Meeting – 4th & 11th , 22nd Apr-21)



Highlights

- Pinpointing management system gaps
- Reviewing of pending open daily site observations
- Addressing the issue of non-compliances
- Highlighting workers safety training needs
- Planning and creating agenda for Health and Safety look ahead



SAFETY MEETING

- GWT WTP HSE Weekly Meeting Attendance – 4th & 11th , 22nd Apr-21)

Gandharipur Water Treatment SNC SURE CITY VERDIA A Joint Venture of SURE INTERNATIONAL & CITY VERDIA	Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under Dhaka Environmentally Sustainable Water Supply Project (DSWSP)	M M MACDONALD DWASA
	Date: 20-Apr-2021 Rev: 004 (A30) 8-001464-GWT-HS-GWT-SP-0016 Page 1/2	

Gandharipur Water Treatment SNC SURE CITY VERDIA A Joint Venture of SURE INTERNATIONAL & CITY VERDIA	Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under Dhaka Environmentally Sustainable Water Supply Project (DSWSP)	M M MACDONALD DWASA
	Date: 20-Apr-2021 Rev: 004 (A30) 8-001464-GWT-HS-GWT-SP-0016 Page 1/2	

Meeting Name: HSE Weekly Meeting
 Date & Time: 04-April-2021 @ 10:00 Hours

S/N	Name	Job Title	Company	Mobile	Signature
1	Md. Nazam Hossain	HSE Engineer	CAMCE	01609-863086	[Signature]
2	Md. Anwarul H.	HSE Eng.	"	01956349393	[Signature]
3	Md. Abul Kalam Akad	Deputy HSE Manager	GWT SNC	01961890362	[Signature]
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Meeting Name: HSE Weekly Meeting
 Date & Time: 22-April-2021 @ 9:00 Hours

S/N	Name	Job Title	Company	Mobile	Signature
1	Car Yu Chow		CAMCE	CAMCE	[Signature]
2	S M FAISAL	D-HSE Manager	CAMCE	01917-259026	[Signature]
3	Zaka Bin Paul	HSE	CAMCE	CAMCE	[Signature]
4	Md Nazam Hossain	HSE Engineer	CAMCE	01609-863086	[Signature]
5	Nurul Karim Ullah	Project HSE Eng.	GWT	017614401396	[Signature]
6	Abul Kalam Akad	Deputy HSE Manag	GWT	01961890362	[Signature]
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SAFETY MEETING

- GWT INTAKE HSE Weekly Meeting – 4th & 11th , 22nd Apr-21)



Highlights

- Pinpointing management system gaps
- Reviewing of pending open daily site observations
- Addressing the issue of non-compliances
- Highlighting workers safety training needs
- Planning and creating agenda for Health and Safety look ahead

Monthly HSE Report



SAFETY MEETING

• GWT INTAKE HSE Weekly Meeting Attendance – 4th & 11th, 22nd Apr-21)

Gandhariapur Water Treatment SNC
 Design and Build of Intake, Raw Water Pipeline, and 100 MGD Water Treatment Plant at Gandhariapur (Uttar Pradesh)
 Environmentally Sustainable Water Supply Project (ESWSP)
 Date: 22-04-2021 Site: GWT (WB)
MEETING ATTENDANCE SHEET
 Page 1/1

Gandhariapur Water Treatment SNC
 Design and Build of Intake, Raw Water Pipeline, and 100 MGD Water Treatment Plant at Gandhariapur (Uttar Pradesh)
 Environmentally Sustainable Water Supply Project (ESWSP)
 Date: 22-04-2021 Site: GWT (WB)
MEETING ATTENDANCE SHEET
 Page 1/1

Meeting Name: HSE Weekly Meeting
 Date & Time: 04/APRIL/2021 // 10:00 hrs.

S/N	Name	Job Title	Company	Mobile	Signature
1	SK Omkar Farooq	HSE Officer	Line n Shape	0186502264	<i>[Signature]</i>
2	Md. Javed Raza	Civil Engineer	Line n shape	01163520169	<i>[Signature]</i>
3	NOORUDDIN NAHID	HSE Supervisor	GWT SNC	01321173693	<i>[Signature]</i>
4	Md. Asad Subhan	HSE supervisor	Geotec	01321-18978	<i>[Signature]</i>
5	C Ferguson	RUP supervisor	GWT	01321-173094	<i>[Signature]</i>
6	H.S. Mamun	Civil Works op.	GWESNE		<i>[Signature]</i>
7	MD. Shafiqul	Project Engineer	F.C.L	01680511077	<i>[Signature]</i>
8	SUMMIT SAHAY	HSE MANAGER	ARUDOD	0167853662	<i>[Signature]</i>
9	Md. Rubul Guldus	Project Engineer	Anidod	0130229065	<i>[Signature]</i>
10	MD Foyez Kamrul	HSE officer	Anidod	01609192606	<i>[Signature]</i>
11	Md. Rasel Begum	Site Engineer	Anidod	01631925552	<i>[Signature]</i>
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Meeting Name: HSE Weekly Meeting
 Date & Time: 11th April 2021 @ 10:00 Hours

S/N	Name	Job Title	Company	Mobile	Signature
1	Md. Asad Subhan	HSE Supervisor	Geotec	01321-18978	<i>[Signature]</i>
2	Shamouddin	Project Engineer	Anidod	01321-190992	<i>[Signature]</i>
3	Milan	HSE	Anidod	01615000114	<i>[Signature]</i>
4	Md. Rasel Begum	Site Engnr.	Anidod	01631178852	<i>[Signature]</i>
5	C Ferguson	Supervisor	Geotec		<i>[Signature]</i>
6	SUMMIT SAHAY	HSE Manager	Anidod	0167853662	<i>[Signature]</i>
7	Shafiqul Islam	Site Engineer	F.C.L	01680511077	<i>[Signature]</i>
8	Rahul Guldus	Project Engg.	Anidod	01302-29065	<i>[Signature]</i>
9	SK Omkar Farooq	HSE Officer	LWS	01166530264	<i>[Signature]</i>
10	MD. Rashedul Islam	HSE Officer	Anidod	01635728598	<i>[Signature]</i>
11	NOORUDDIN NAHID	HSE Supervisor	GWT SNC	01321173693	<i>[Signature]</i>
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HSE AUDIT STATUS

Subject: HSE Audit Status

Name of Contractor	Total HSE Audit Plan	HSE Audit Conducted			Date	Major Observation Recorded	Minor Observation Recorded	Remarks
		WTP	CAMCE	CAMP AUDIT				
GWTSNC	4				06-Apr-21	16	41	Labour amp requires major improvement

Subject: HSE Audit Schedule

HSE Plan	Audit Frequency	Department	2021												
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
HSE Audit -1	3 Month	HSE				1									
HSE Audit -2	3 Month	HSE													
HSE Audit -3	3 Month	HSE													
HSE Audit -4	3 Month	HSE													

Note: This HSE audit Schedule Furnished only for plan, For Actual HSE audit Schedule, Contractor will provide on time with necessary details.

1. The Health Safety & Environment Audit will conduct every 3-month interval
2. The Health Safety & Environment Audit Schedule Contractor will provide all necessary details for Audit.
3. If any situation will occur during the month of Audit, The Contractor will responsibly inform to Engineers in advance with re-schedule as per Engineers acknowledgement.
4. Before HSE Audit Contractor shall be responsible for creating enabling Environment good enough for Audit representative.
5. The Contractor will discuss with Engineers for any further assistance in this regards.

SAFETY INSPECTION

Weekly Joint Walkabout (WTP Apr 21)



Contractor and subcontractor safety walkabout is a combined visual inspection of the work site geared toward identifying and correcting unsafe or potentially unsafe conditions.

It shows leadership and commitment by senior management.

Objectives are:

- Spend time with site workers;
- Share Health and Safety expectations with site workers
- Let site workers know what senior management HSE values are
- Listen actively with empathy to the site workers

Monthly HSE Report



SAFETY INSPECTION

Weekly Joint Walkabout Attendance (WTP Apr 21)

Gandharbpur Water Treatment SNC SMR CITY WINDA 4, Jinnah Road, G-5/2, Islamabad, Pakistan	Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharbpur under Dhaka Environmentally Sustainable Water Supply Project (DEWSWP)	M M DWASA	Date: 20-Apr-2020 Rev: 000 (Revision A00) B-901464-GWT-AS-GWT-AP-5013 Page 1/1
INSPECTION ATTENDANCE RECORD			

Inspection Type: Weekly Joint Safety Walk about (Contractor & Subcontractor)
 Areas Inspected: Construction Site
 Date & Time: 04th April 2021 & 09:00 Hours

S/N	Name	Job Title	Company	Signature
1	Wahid Chahid Miah	Site member	CMC	[Signature]
2	S M FAISAL	D-HSE Manager	CMCE	[Signature]
3	Md. Anwarul Hossain	HSE Eng.	CMCE	[Signature]
4	Md. Nazmul Hasan Sahag	HSE Engineer	CMCE	[Signature]
5	Md. Abul Kalam Akad	Deputy HSE Manager	GWT SNC	[Signature]
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Gandharbpur Water Treatment SNC SMR CITY WINDA 4, Jinnah Road, G-5/2, Islamabad, Pakistan	Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharbpur under Dhaka Environmentally Sustainable Water Supply Project (DEWSWP)	M M DWASA	Date: 20-Apr-2020 Rev: 000 (Revision A00) B-901464-GWT-AS-GWT-AP-5013 Page 1/1
INSPECTION ATTENDANCE RECORD			

Inspection Type: Weekly Joint Safety Walk about (Contractor & Subcontractor)
 Areas Inspected: Construction Site
 Date & Time: 28th March 2021 & 09:00 Hours

S/N	Name	Job Title	Company	Signature
1	Abdul Khaledan	WTP Project Manager	GUST	[Signature]
2	Mohinul Islam Anwar	Engineer	GUST	[Signature]
3	Mr. BATH NAWAZ		GUST	[Signature]
4	MALCOLM CRUICKSHANK	SENIOR CONTRACT MANAGER	GUST	[Signature]
5	D. VECHIAU	CE Eng.	GWT	[Signature]
6	Wahid Chahid Miah	Site member	CMC	[Signature]
7	FINANI	GP Manager	GWT	[Signature]
8	PIANI Thi Anh Dao	CW Eng.	GWT	[Signature]
9	Vikas Saini	CAP. LEADER	GWT	[Signature]
10	Ajay Pratap Singh	CAP. PM SUPERVISOR	GWT	[Signature]
11	S M FAISAL	D. HSE Manager	CMCE	[Signature]
12	Md. Nazmul Hasan Sahag	HSE Engineer	CMCE	[Signature]
13	Kazhanching	Dpm CMCE	CMCE	[Signature]
14	DANISH JILANI	Lead Site Eng	GWT SNC	[Signature]
15	Nawab Edi Uchtfurqa	HSE Manager	GWT SNC	[Signature]
16	Md. Jorban Hossain	QA/QC Engg.	GWT SNC	[Signature]
17	Md. Anwarul Hossain	HSE Eng.	CMCE	[Signature]
18	Sharadhit Chakma	HSE SUPERVISOR	GWT SNC	[Signature]
19	AVILAS	Head QA/QC	GWT SNC	[Signature]
20	Md. Abul Kalam Akad	DHSEM	GWT SNC	[Signature]
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SAFETY INSPECTION

Weekly Joint Walkabout (INTAKE / RWP Apr 21)



Contractor and subcontractor safety walkabout is a combined visual inspection of the work site geared toward identifying and correcting unsafe or potentially unsafe conditions.

It shows leadership and commitment by senior management.

Objectives are:

- Spend time with site workers;
- Share Health and Safety expectations with site workers
- Let site workers know what senior management HSE values are
- Listen actively with empathy to the site workers



SAFETY INSPECTION

Weekly Joint Walkabout (INTAKE / RWP Apr 21)

 Gandharipur Water Treatment SNC 17th Avenue #10224042384 & 1700374	Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under State Environmentally Sensitive Water Supply Project (DES/WSP)	 M M WEST MACDONALD CHWASA
Date: 28-Apr-2022	Rev: 002 (Revision A00)	#-001464-GWT-HS-GWT-RP-5014 Page 1/1
INSPECTION ATTENDANCE RECORD		

Inspection Type: Weekly Joint Safety Walkabout (Contractor & Subcontractors)

Areas Inspected: Construction Site (Intake)

Date & Time: 22. April. 2021 // 09:00hrs.

S/N	Name	Job Title	Company	Signature
1	Shafiqur Rahman	Site Engineer	F.C.L	
2	Md. Gulam Sarwar	Supervisor	GWTSNC	
3	Z. Upp. Md. Asif	PM	LMS	
4	SK. Omar Farooq	HSE Officer	LMS	
5	Md. Omar Farooq	HSE Supervisor	GWTSNC	
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 Gandharipur Water Treatment SNC 17th Avenue #10224042384 & 1700374	Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under State Environmentally Sensitive Water Supply Project (DES/WSP)	 M M WEST MACDONALD CHWASA
Date: 28-Apr-2022	Rev: 002 (Revision A00)	#-001464-GWT-HS-GWT-RP-5014 Page 1/1
INSPECTION ATTENDANCE RECORD		

Inspection Type: Weekly Joint Safety Walk about (Contractor & Subcontractor)

Areas Inspected: Construction Site

Date & Time: 28th March 2021 & 09:00 Hours

S/N	Name	Job Title	Company	Signature
1	Md. Omar Farooq	HSE Supervisor	GWTSNC	
2	Serbiz Bant	Site engineer	CASS LMS	
3	SK. Omar Farooq	HSE Officer	Line n Slope	
4	Jahid Hossain	Labor Incharge	GWTSNC	
5	Md. Gulam Sarwar	QA/QC Supervisor	GWTSNC	
6	Shafiqur Rahman	Site Engineer	Fardeen	
7	Memon	Civil works sp.	GWTSNC	
8	Rashedul Islam	Site engineer	Fardeen	
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SAFETY INSPECTIONS CAMCE Camp Inspection (6th Apr 2021)



Gandharipur Water Treatment SNC BSURE QTV VRSUKA 12th Floor, GPO Building, 10th Street	Design and layout of works, Raw Water Pipeline, and 200 MLD Water Treatment Plant & Distribution under Dhaka University Sudhansu Water Supply Project (DEWSP)	M M WATER MANAGEMENT
Date: 06/04/2021	By: HSE Inspector GWT	INSPECTION ATTENDANCE RECORD Page 1/1

Inspection Type: Subcontractor Camp Audit
 Area Inspected: CAMCE Staff and Labour Camps (WTP Site)
 Date & Time: 06th April 2021

S/N	Name	Job Title	Company	Signature
1	Nuruzzaman Ullah Faisal	HSE Manager	GWT SNC	
2	Md. Abul Kalam Azad	Deputy HSE Manager	GWT SNC	
3	S M FAISAL	D. HSE Manager	CAMCE	
4	MR. Nazmul Hasan Ghani	HSE Engineer	CAMCE	
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- Enforcement of Temporary Labor Camp Standards**
- Rooms arrangement
 - Water Supply
 - Toilet Facilities
 - Laundry, Handwashing, and Bathing Facilities.
 - First Aid Facilities.
 - Housekeeping
 - Dining

SAFETY INSPECTIONS



WTP Camp & Kitchen Inspection (5th ~ 19th Apr 2021)



- Inspections for:**
- Living rooms condition
 - Compliance with Kitchen PPE
 - Housekeeping is to the required standard
 - Electrical installations
 - Drainage conditions
 - Proper dish washing facilities
 - Kitchen equipment and storage conditions
 - Dining hall condition
 - Dry and wet food storage condition
 - Food Handlers And Personal Hygiene
 - Sanitary Facilities
 - Waste Disposal
 - Pest control

SAFETY INSPECTIONS

WTP Camp & Kitchen Inspection (5th ~ 19th Apr 2021)


Gandharbpur Water Treatment SNC  <small>4 Jirah Wishes of 662 HAWAZOORA & 079 VEDHA</small>	DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSIP)	
GWT/SNC CAMP INSPECTION REPORT		


Inspection done by:	Abul Kalam Azad (Deputy HSE Manager), Sharada Chakma (HSE Supervisor)	Date of inspection:	5-Apr-21
Company Representative-Camp Representative:	Rasul Mahmud (Camp Manager- SBPL)	Company:	SBPL
	Riyadh Marshad (Camp Manager GWT)	Location:	WTP Camp

Kitchen Management	Actual	Target	Comments
Kitchen walls, floor and construction is water resistant, non-slip and durable?	2	2	
Food good quality, nutritious and fresh?	2	2	
System to ensure for food safety and hazard identification in place?	0	2	There is no system in place
Staff trained and certified?	0	2	Only 2 staff certified as a food handler
Do all food handlers have a food hygiene certificate?	1	2	Only 2 staff certified as a food handler
Is all extraction working?	2	2	
Are all extraction fan filters clean and maintained?	2	2	
Appropriate and sufficient ventilation?	2	2	
Appropriate and sufficient lighting?	2	2	
Adequate storage (wet and dry stores)?	2	2	
Appropriate and sufficient fire safety precautions?	2	2	
All equipment and utensils in good working conditions and kept clean?	2	2	
Temperature of fridge and freezers checked daily and recorded? (fridge 1-4 °C freezer < -18°C)	2	2	
Problematic equipment, reported if any?	2	2	
Chopping boards clean and not damaged?	2	2	
Condiments stored in the fridge and containers clean?	2	2	
Dish clothes and rags sanitized and stored dry?	2	2	
Are electrical plugs/sockets/switches in good repair?	2	2	
Food Containers			
Clean and not damaged?	2	2	

11. Guard house ceiling fall off due to strong wind of last night.
Close Out Date: Two weeks
12. Observed dust on the electrical distribution board.
Close Out Date: Immediate

Inspector Name: Md. Abul Kalam Azad Signature:  Date: 05 April 2021

Contractor Camp Manager: Riyadh Marshad Signature:  Date: 05 April 2021

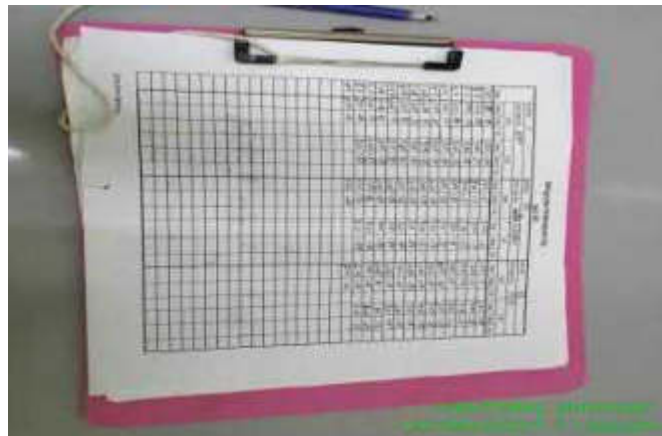
Subcontractor Camp Boss: Rasul Mahmud Signature:  Date: 05 April 2021

Report date due: Date: 12 April 2021

Corrective action plan submitted to: Rasul Mahmud Organization: SBPL

SAFETY INSPECTIONS

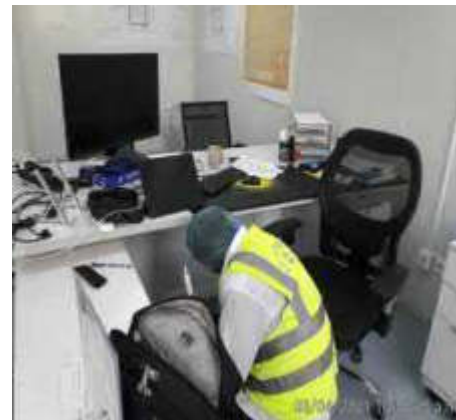
INTAKE Camp & Kitchen Inspection (5~21 Apr 2021)



Inspections for:

- Living rooms condition
- Compliance with Kitchen PPE
- Housekeeping is to the required standard
- Electrical installations
- Drainage conditions
- Proper dish washing facilities
- Kitchen equipment and storage conditions
- Dining hall condition
- Dry and wet food storage condition
- Food Handlers And Personal Hygiene
- Sanitary Facilities
- Waste Disposal
- Pest control

SAFETY INSPECTIONS WTP Camp Pest Control



- Application of gel pesticide in offices
- Fumigation at the camp and environ
- Fogging
- Application of gel pesticide in living room

SAFETY INSPECTIONS INTAKE Camp Pest Control



- Application of gel pesticide in kitchen and canteen
- Application of snake repellent
- Application of gel pesticide in offices

SAFETY INSPECTIONS GWT WTP - Camp Daily Fogging



- Fogging against mosquitoes and other insects

SAFETY INSPECTIONS GWT INTAKE - Camp Daily Fogging



- Fogging against mosquitoes and other insects

SAFETY INSPECTIONS

Battery-Operated Smoke Detector Inspection (GWT – WTP Apr 2021)

Gandharbpur Water Treatment SNC A Joint Venture of SUEZ INTERNATIONAL & OTV/VEOLIA	DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSPP)												
BATTERY-OPERATED SMOKE DETECTOR INSPECTION LOG													
Date : 18-April-2021	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Date Battery Replaced
Office Ground Floor													
OFC-GF-101 (Male Wash room)	T	T	T	T									24-Dec-20
OFC-GF-119 (Female Wash room)	T	T	T	T									24-Dec-20
OFC-GF-102	T	T	T	T									24-Mar-21
OFC-GF-103	T	T	T	T									
OFC-GF-104	T	T	T	T									
OFC-GF-105	T	T	T	T									
OFC-GF-106	T	T	T	T									
OFC-GF-107	T	T	T	T									
OFC-GF-108	T	T	T	T									
OFC-GF-109	T	T	T	T									
OFC-GF-110	T	T	T	T									28-Feb-21
OFC-GF-111	T	T	T	T									
OFC-GF-112	T	T	T	T									
OFC-GF-113	T	T	T	T									
OFC-GF-114	T	T	T	T									
OFC-GF-115	T	T	T	T									
OFC-GF-116	T	T	T	T									
OFC-GF-117	T	T	T	T									
OFC-GF-118 (Conference room)	T	T	T	T									28-Feb-21
OFC-GF-CORRIDOR	T	T	T	T									28-Feb-21

Comments:

All battery-operated smoke detectors present in the facility are required to be tested and maintained in accordance with manufacturer's instructions. This form is to be used to record the dates on which these detectors are tested and cleaned and batteries replaced. Any problems found must be noted in the "Comments" section of this form. Each entry must be initiated by the person performing the service.

T = Tested C = Cleaned

Name - Authorized Inspector Sharashij Chakma

Signature - Authorized Inspector _____

SAFETY INSPECTIONS

Battery-Operated Smoke Detector Inspection (GWT – WTP Apr 2021)



Inspection for:

- Check for the battery life
- Check alarm for short regular beeps
- Checking functionality of test button
- Check for visible damage
- Check attachment to ceiling
- Visual check of main fire alarm panel

SAFETY INSPECTIONS

Battery-Operated Smoke Detector Inspection (GWT – INTAKE Apr 021)

Gandharbpur Water Treatment SNC SURE QTV VEDUA A Joint Venture of SURE INTERNATIONAL & QTV/VEDUA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)										M M M MOTT MACDONALD		DWASA
		BATTERY-OPERATED SMOKE DETECTOR INSPECTION LOG												
Date: 22 April 2023		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Date Battery Replaced
Office Ground Floor														
OFC-GF-RD1-024		T	T	T	F									
OFC-GF-RD2-025		T	T	T	F									
OFC-GF-RD3-026		T	T	T	T									
OFC-GF-RD4-027		T	T	T	T									
OFC-GF-RD5-028		T	T	T	T									
OFC-GF-RD6-029		T	T	T	T									
OFC-GF-RD7-030		T	T	T	T									
OFC-GF-RD8-031		T	T	T	T									
OFC-GF-RD9-018		T	T	T	T									
OFC-GF-R1C-017		T	T	T	T									
OFC-GF-R11-016		T	T	T	T									
OFC-GF-Meeting Room-015		T	T	T	T									
OFC-GF-R12-014		T	T	T	T									
OFC-GF-Wash Room-013		T	T	T	T									
OFC-GF-Corridor-020		T	T	T	T									
OFC-GF-Corridor-021		T	T	T	T									
OFC-GF-Corridor-022		T	T	T	T									
Office 1ST Floor														
OFC-1F-R13-039		T	T	T	T									
OFC-1F-R14-038		T	T	T	T									
OFC-1F-R15-037		T	T	T	T									
OFC-1F-R16-036		T	T	T	T									
OFC-1F-R17-035		T	T	T	T									
OFC-1F-R18-034		T	T	T	T									
OFC-1F-R19-033		T	T	T	T									
OFC-1F-R20-032		T	T	T	T									
OFC-1F-Meeting Room-045		T	T	T	T									
OFC-1F-R21-046		T	T	T	T									
OFC-1F-R22-047		T	T	T	T									
OFC-1F-R23-048		T	T	T	T									
OFC-1F-Wash Room-049		T	T	T	T									
OFC-1F-Corridor-043		T	T	T	T									
OFC-1F-Corridor-042		T	T	T	T									
OFC-1F-Corridor-041		T	T	T	T									

Comments: No Problem found During Inspection. Above mention smoke detectors Found Good and Active Condition.

All battery-operated smoke detectors present in the facility are required to be tested and maintained in accordance with manufacturer's instructions. This form is to be used to record the dates on which these detectors are tested and cleaned and batteries replaced. Any problems found must be noted in the "Comments" section of this form. Each entry must be initialed by the person performing the service.
T = Tested C = Cleaned

Name - Authorized Inspector: Md. Omar Farooque

Signature - Authorized Inspector: _____



SAFETY INSPECTIONS

Battery-Operated Smoke Detector Inspection (GWT – INTAKE Apr 2021)



Inspection for:

- Check for the battery life
- Check alarm for short regular beeps
- Checking functionality of test button
- Check for visible damage
- Check attachment to ceiling
- Visual check of main fire alarm panel

SAFETY INSPECTIONS

Internal Electrical Installations Inspection (GWT – INTAKE Apr 2021)

Gandharbpur Water Treatment SNC SURE QTV VEOLIA <small>A joint venture of SUEZ INTERNATIONAL & QTV/VEOLIA</small>		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)																		M M WATER MANAGEMENT DWASA						
		ELECTRICAL APPLIANCE INSPECTION LOG																		E-001464-GWT-H5-GWT-RP-3005						
		Date: 20-Jul-2020																		Rev: 006 (A00)						
S/N	Description	Identification No	Location	Body Condition	Cable Condition	Cable Joints	Grounding	Color Code	Remarks	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21			
1	440V Distribution Board	DB-GWT-INTAKE-001	GWT SUB STATION	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
2	440V Distribution Board	DB-GWT-INTAKE-002	GWT CAR PARK	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
3	230V Distribution Board	DB-GWT-INTAKE-003	OFFICE ACCOMMODATION	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
4	230V Distribution Board	DB-GWT-INTAKE-004	OFFICE ACCOMMODATION	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
5	230V Distribution Board	DB-GWT-INTAKE-005	STORE AREA	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
6	230V Distribution Board	DB-GWT-INTAKE-006	OFFICE 1ST FLOOR ROOM-01	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
7	230V Distribution Board	DB-GWT-INTAKE-007	OFFICE 1ST FLOOR ROOM-02	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
8	230V Distribution Board	DB-GWT-INTAKE-008	WAITER'S DINING ROOM	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
9	230V Distribution Board	DB-GWT-INTAKE-009	CANTEN KITCHEN ROOM	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
10	230V Distribution Board	DB-GWT-INTAKE-010	CANTEN KITCHEN ROOM	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
11	230V Distribution Board	DB-GWT-INTAKE-011	PUMP SUPPLY HOUSE	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
12	230V Distribution Board	DB-GWT-INTAKE-012	PUMP HOUSE	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
13	230V Distribution Board	DB-GWT-INTAKE-013	PLUMBING HOUSE MAIN ENTRANCE	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
14	230V Distribution Board	DB-GWT-INTAKE-014	PLUMBING HOUSE MAIN ENTRANCE	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
15	230V Distribution Board	DB-GWT-INTAKE-015	PLUMBING HOUSE MAIN ENTRANCE	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
16	230V Distribution Board	DB-GWT-INTAKE-016	OFFICE GROUND FLOOR ROOM-01	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
17	230V Distribution Board	DB-GWT-INTAKE-017	PUMP STATION	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
18	230V Distribution Board	DB-GWT-INTAKE-018	Recreational Room	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
19	230V Distribution Board	DB-GWT-INTAKE-019	OFFICE GROUND FLOOR ROOM-02	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
										Color Code	Blue	Blue	Yellow	Yellow	Yellow	White	White	White	Green	Green	Green	Black	Black	Black		
										Inspected By		Enayon	Enayon	Enayon	Enayon	Enayon	Enayon	Enayon	Enayon	Enayon	Enayon	Enayon	Enayon	Enayon	Enayon	Enayon

SAFETY INSPECTIONS

Internal Electrical Installations Inspection (GWT – INTAKE Apr-2021)



Inspection for:

- Checking potential overloading of electrical circuits.
- Checking potential electric shock risks and fire hazards.
- Identify any defective electrical work.
- Checking lack of earthing or bonding.
- verifying the condition of electrical insulation



SAFETY INSPECTIONS

Internal Electrical Installations Inspection (GWT – WTP Apr 2021)

Gandharbpur Water Treatment SNC SURE DTV VEOLIA A Joint Venture of SOE2 INTERNATIONAL & OYVVEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)																	M M DWASA B-001464-AEN-ITS-GWT-RP-5005 Date: 20-Jul-2020 Rev: 006 (A05)										
ELECTRICAL APPLIANCE INSPECTION LOG																													
Sl#	Description	Identification No.	Location	Body Condition	Cable Condition	Cable Joints	Grounding	Color Code	Remarks	15 Jan	15 Feb	15 Mar	15 Apr	15 May	15 Jun	15 Jul	15 Aug	15 Sep	15 Oct	15 Nov	15 Dec	15 Jan	15 Feb	15 Mar	15 Apr	15 May	15 Jun	15 Jul	15 Aug
1	Power distribution board 220 volts	DB-GWT-WTP-001	Office -GF	✓	✓	✓	✓	Blue																					
2	Power distribution board 220 volts	DB-GWT-WTP-002	Office -GF	✓	✓	✓	✓	Blue																					
3	Power distribution board 220 volts	DB-GWT-WTP-003	Office -GF	✓	✓	✓	✓	Blue																					
4	Power distribution board 220 volts	DB-GWT-WTP-004	Office -GF	✓	✓	✓	✓	Blue																					
5	Power distribution board 220 volts	DB-GWT-WTP-005	Office -RM-010	✓	✓	✓	✓	Blue																					
6	Power distribution board 220 volts	DB-GWT-WTP-006	Office -RM-011	✓	✓	✓	✓	Blue																					
7	Power distribution board 220 volts	DB-GWT-WTP-007	Office -RM-010	✓	✓	✓	✓	Blue																					
8	Power distribution board 220 volts	DB-GWT-WTP-008	Reception room	✓	✓	✓	✓	Blue																					
9	Power distribution board 220 volts	DB-GWT-WTP-009	Training Room	✓	✓	✓	✓	Blue																					
10	Power distribution board 220 volts	DB-GWT-WTP-010	Dining Hall	✓	✓	✓	✓	Blue																					
11	Power distribution board 220 volts	DB-GWT-WTP-011	Kitchen Room	✓	✓	✓	✓	Blue																					
12	Power distribution board 220 volts	DB-GWT-WTP-012	Kitchen Room	✓	✓	✓	✓	Blue																					
13	Power distribution board 220 volts	DB-GWT-WTP-013	Control Control	✓	✓	✓	✓	Blue																					
14	Power distribution board 220 volts	DB-GWT-WTP-014	Control Control	✓	✓	✓	✓	Blue																					
15	Power distribution board 220 volts	DB-GWT-WTP-015	Control House	✓	✓	✓	✓	Blue																					
16	Power distribution board 220 volts	DB-GWT-WTP-016	Control House	✓	✓	✓	✓	Blue																					
17	Power distribution board 220 volts	DB-GWT-WTP-017	Control House	✓	✓	✓	✓	Blue																					
18	Power distribution board 440 volts	DB-GWT-WTP-018	Office Room-010	✓	✓	✓	✓	Blue	Wires to be removed																				
19	Power distribution board 440 volts	DB-GWT-WTP-019	SSSSS	✓	✓	✓	✓	Blue	Wires to be removed																				
20	Power distribution board 440 volts	DB-GWT-WTP-020	Reception room	✓	✓	✓	✓	Blue	Wires to be removed																				
21	Power distribution board 440 volts	DB-GWT-WTP-021	Dormitory A	✓	✓	✓	✓	Blue	Wires to be removed																				
22	Power distribution board 440 volts	DB-GWT-WTP-022	Dormitory C	✓	✓	✓	✓	Blue	Wires to be removed																				
23	Power distribution board 440 volts	DB-GWT-WTP-023	Dormitory C	✓	✓	✓	✓	Blue	Wires to be removed																				
24	Power distribution board 440 volts	DB-GWT-WTP-024	Dormitory B	✓	✓	✓	✓	Blue	Wires to be removed																				
25	Power distribution board 440 volts	DB-GWT-WTP-025	Dormitory B	✓	✓	✓	✓	Blue	Wires to be removed																				
26	Power distribution board 440 volts	DB-GWT-WTP-026	Garbage	✓	✓	✓	✓	Blue	Wires to be removed																				
27	Power distribution board 440 volts	DB-GWT-WTP-027	GWT Site Facility	✓	✓	✓	✓	Blue	Wires to be removed																				
28	Power distribution board 440 volts	DB-GWT-WTP-028	WWSF TREATMENT	✓	✓	✓	✓	Blue	Wires to be removed																				
29	Power distribution board 440 volts	DB-GWT-WTP-029	WWSF TREATMENT	✓	✓	✓	✓	Blue	Wires to be removed																				
30	Power distribution board 220 volts	DB-GWT-WTP-030	WWSF TREATMENT	✓	✓	✓	✓	Blue	Wires to be removed																				
31	Power distribution board 220 volts	DB-GWT-WTP-031	WWSF TREATMENT	✓	✓	✓	✓	Blue	Wires to be removed																				
32	Power distribution board 220 volts	DB-GWT-WTP-032	WWSF TREATMENT	✓	✓	✓	✓	Blue	Wires to be removed																				
33	Power distribution board 220 volts	DB-GWT-WTP-033	WWSF TREATMENT	✓	✓	✓	✓	Blue	Wires to be removed																				
34	Power distribution board 220 volts	DB-GWT-WTP-034	WWSF TREATMENT	✓	✓	✓	✓	Blue	Wires to be removed																				
35	Power distribution board 220 volts	DB-GWT-WTP-035	GWT Site Facility	✓	✓	✓	✓	Blue	Wires to be removed																				
36	Power distribution board 220 volts	DB-GWT-WTP-036	GWT Site Facility	✓	✓	✓	✓	Blue	Wires to be removed																				
37	Power distribution board 220 volts	DB-GWT-WTP-037	GWT Site Facility	✓	✓	✓	✓	Blue	Wires to be removed																				
38	Power distribution board 220 volts	DB-GWT-WTP-038	GWT Site Facility	✓	✓	✓	✓	Blue	Wires to be removed																				
39	Power distribution board 220 volts	DB-GWT-WTP-039	Office Part Floor	✓	✓	✓	✓	Blue	Wires to be removed																				
40	Power distribution board 220 volts	DB-GWT-WTP-040	Long WWSF plant	✓	✓	✓	✓	Blue	Wires to be removed																				
41	Power distribution board 220 volts	DB-GWT-WTP-041	Sanitary Post	✓	✓	✓	✓	Blue	Wires to be removed																				

Handwritten signature

SAFETY INSPECTIONS

Internal Electrical Installations Inspection (GWT – WTP Apr-2021)



- Inspection for:**
- Checking potential overloading of electrical circuits.
 - Checking potential electric shock risks and fire hazards.
 - Identify any defective electrical work.
 - Checking lack of earthing or bonding.
 - verifying the condition of electrical insulation

Monthly HSE Report



SAFETY INSPECTIONS

Monthly Fire Extinguisher Inspection (GWT - WTP Site Apr 2021)

Gandharbpur Water Treatment SNC SUEZ OTV VEOLIA A Joint Venture of SUEZ INTERNATIONAL & OTV-VEOLIA				DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)																		M M DWASA S-001464-MEN-FS-GWT-RP-5006 (Date:20-Jul-2020) Rev:006 (ADD)				
FIRE EXTINGUISHER INSPECTION LOG																										
Sl#	Type	Size	Tag Number	Location	Weight	Pressure Gauge	Hose Condition	Nozzle	Safety Pin	Accessibility	Physical Appearance	Certificate Validity	15 Jun	15 Jul	15 Aug	15 Sep	15 Oct	15 Nov	15 Dec	15 Jan	15 Feb	15 Mar	15 Apr	15 May		
1	ABC Powder	5 kg	FX-GWT-WTP-002	Office External	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
2	CO2	5kg	FX-GWT-WTP-007	Office External	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3	ABC Powder	5 kg	FX-GWT-WTP-008	Office External	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
4	CO2	5kg	FX-GWT-WTP-007	Office External	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
5	ABC Powder	5 kg	FX-GWT-WTP-008	Office External	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
6	CO2	5kg	FX-GWT-WTP-006	Office External	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
7	ABC Powder	5 kg	FX-GWT-WTP-004	Office External	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
8	CO2	5kg	FX-GWT-WTP-006	Office External	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
9	ABC Powder	5 kg	FX-GWT-WTP-022	Office Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
10	CO2	5kg	FX-GWT-WTP-023	Office Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
11	ABC Powder	5 kg	FX-GWT-WTP-029	Office Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
12	CO2	5kg	FX-GWT-WTP-001	Office Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
13	ABC Powder	5 kg	FX-GWT-WTP-007	Office Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
14	CO2	5kg	FX-GWT-WTP-017	Office Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
15	ABC Powder	5 kg	FX-GWT-WTP-000	Office First Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
16	CO2	5kg	FX-GWT-WTP-005	Office First Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
17	ABC Powder	5 kg	FX-GWT-WTP-004	Office First Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
18	CO2	5kg	FX-GWT-WTP-013	Office First Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
19	ABC Powder	5 kg	FX-GWT-WTP-000	Office First Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
20	CO2	5kg	FX-GWT-WTP-034	Office First Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
21	ABC Powder	5 kg	FX-GWT-WTP-031	Reception Room	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
22	CO2	5kg	FX-GWT-WTP-039	Reception Room	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
23	ABC Powder	5 kg	FX-GWT-WTP-070	Training Room East	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
24	CO2	5kg	FX-GWT-WTP-069	Training Room East	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
25	ABC Powder	5 kg	FX-GWT-WTP-011	Training Room	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
26	CO2	5kg	FX-GWT-WTP-069	Training Room	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
27	ABC Powder	5 kg	FX-GWT-WTP-060	Store Room A East	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
28	CO2	5kg	FX-GWT-WTP-066	Store Room A East	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
29	ABC Powder	5 kg	FX-GWT-WTP-064	Store Room A East	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
30	CO2	5kg	FX-GWT-WTP-065	Store Room A East	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
31	ABC Powder	5 kg	FX-GWT-WTP-024	Store Room A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
32	CO2	5kg	FX-GWT-WTP-044	Store Room A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
33	ABC Powder	5 kg	FX-GWT-WTP-004	Store Room A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
34	CO2	5kg	FX-GWT-WTP-030	Store Room A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
35	ABC Powder	5 kg	FX-GWT-WTP-023	Store Room A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
36	CO2	5kg	FX-GWT-WTP-016	Store Room A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
37	ABC Powder	5 kg	FX-GWT-WTP-074	Store Room B East	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
38	CO2	5kg	FX-GWT-WTP-075	Store Room B East	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
39	ABC Powder	5 kg	FX-GWT-WTP-060	Store Room B East	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
40	CO2	5kg	FX-GWT-WTP-060	Store Room B East	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
41	ABC Powder	5 kg	FX-GWT-WTP-014	Store Room B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
42	CO2	5kg	FX-GWT-WTP-041	Store Room B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
43	ABC Powder	5 kg	FX-GWT-WTP-038	Store Room B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
44	CO2	5kg	FX-GWT-WTP-043	Store Room B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
45	ABC Powder	5 kg	FX-GWT-WTP-030	Store Room B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
46	CO2	5kg	FX-GWT-WTP-040	Store Room B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Handwritten signature and date: 21.04.21

SAFETY INSPECTIONS

Monthly Fire Extinguisher Inspection (GWT - WTP Site Apr 2021)



- Inspection for:**
- Non- obstructing and appropriate designated location.
 - Verifying tamper seal is unbroken.
 - Examining for obvious physical damage
 - Confirm the pressure gauge or indicator
 - Establishing extinguisher is full as required.
 - Check the last professional service date on the tag.
 - Endorsing the inspection tag

SAFETY INSPECTIONS

Monthly Fire Extinguisher Inspection (GWT - INTAKE Site Apr 2021)

Gandharbpur Water Treatment SNC A joint venture of SURE INTERNATIONAL & OTV-VEDUA				DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)																	M DWASA S-001484-GWT HS-GWT-WP-5006 Date 20-Jul-2020 Rev 00A (A01)						
				FIRE EXTINGUISHER INSPECTION LOG																							
Slm	Type	Size	Tag Number	Location	Weight	Pressure Gauge	Hose Condition	Nozzle	Safety Pin	Accessibility	Operator Appearance	Certificate Validity	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	Jan 22	Feb 22	Mar 22	Apr 22	May 22	
1	DCP (ABC)	5kg	FX-GWT-INTAKE-01	OFFICE Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	DCP (ABC)	5kg	FX-GWT-INTAKE-02	OFFICE Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	DCP (ABC)	5kg	FX-GWT-INTAKE-03	OFFICE 1st Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	DCP (ABC)	5kg	FX-GWT-INTAKE-04	OFFICE 1st Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	DCP (ABC)	5kg	FX-GWT-INTAKE-05	Living Accommodation Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	DCP (ABC)	5kg	FX-GWT-INTAKE-06	Living Accommodation Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	DCP (ABC)	5kg	FX-GWT-INTAKE-07	Living Accommodation 1st Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	DCP (ABC)	5kg	FX-GWT-INTAKE-08	Living Accommodation 1st Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	DCP (ABC)	5kg	FX-GWT-INTAKE-09	Living Accommodation 2nd Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	DCP (ABC)	5kg	FX-GWT-INTAKE-10	Living Accommodation 2nd Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	DCP (ABC)	5kg	FX-GWT-INTAKE-11	House House (Garage)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	DCP (ABC)	5kg	FX-GWT-INTAKE-12	House House (Main Entrance)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	DCP (ABC)	5kg	FX-GWT-INTAKE-13	Generator Room	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	DCP (ABC)	5kg	FX-GWT-INTAKE-14	Pump House	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	DCP (ABC)	5kg	FX-GWT-INTAKE-15	Generator Room	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	DCP (ABC)	5kg	FX-GWT-INTAKE-16	Generator Room	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	DCP (ABC)	5kg	FX-GWT-INTAKE-17	Office 2nd floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	DCP (ABC)	5kg	FX-GWT-INTAKE-18	Accommodation 2nd floor side	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	DCP (ABC)	5kg	FX-GWT-INTAKE-19	Office 2nd floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	DCP (ABC)	5kg	FX-GWT-INTAKE-20	Garage 2nd floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	DCP (ABC)	5kg	FX-GWT-INTAKE-21	Garage 2nd floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22	DCP (ABC)	5kg	FX-GWT-INTAKE-22	Accommodation 2nd floor side	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	DCP (ABC)	5kg	FX-GWT-INTAKE-23	Office 2nd floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24	CO2	1kg	FX-GWT-INTAKE-24	Office 2nd floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	CO2	1kg	FX-GWT-INTAKE-25	Generator Room	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26	CO2	1kg	FX-GWT-INTAKE-26	Office Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27	CO2	1kg	FX-GWT-INTAKE-27	Office Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28	CO2	1kg	FX-GWT-INTAKE-28	OFFICE 1st Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
29	CO2	1kg	FX-GWT-INTAKE-29	OFFICE 1st Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30	CO2	1kg	FX-GWT-INTAKE-30	Accommodation Ground Floor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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