POSCO DAEWOO HYUNDAI ELECTRIC KIC

Date : 17 March 2018

Messrs., **POWER GENERATION ENGINEERING AND SERVICES Co. (PGESCo.)**
Cairo West Supercritical Power Station – 1x650 MW
41, Al Salam Avenue, Central District, New Cairo
Fax No. : +202) 2537-0481

Copy To: **CAIRO ELECTRICITY PRODUCTION CO. (CEPC)**
22, Shannan St., Sabttia, Cairo
Kind Attn. : **Eng. Mohamed Mokhtar** / Chairman
Fax No. : +202) 2575-7894

Copy To: **CAIRO ELECTRICITY PRODUCTION CO. (CEPC)**
Cairo West Supercritical Power Station
Sekil, El Manashy Road, Giza, Egypt
Kind Attn. : **Eng. Mohamed Anwar** / Project Manager
Fax No. : +202) 3891-0187

Subject: Cairo West Supercritical Thermal Power Station - 1x650MW
Contract No. 10089-CP-104; 500kV & 220kV Gas Insulated Switchyard
Monthly Progress Report (February -2019)

Letter: 10089-1E-L04-GAM-00207

Dear Sirs,
Please kindly find attached the documents/drawings listed hereunder.

Spec. No. / Paragraph Ref	Document No.	Rev.	Title/Description	Pur.	Remarks
	MPR-0014		Monthly Progress Report of February -2018	Report	

Best Regards

Hoon-Ho Han
Deputy Project Manager

CC
Mr. Chung-Hee Lee of HE (Hyundai Electric) / Vice President
Mr. Kwang-In Park of PDC (POSCO DAEWOO) / Managing Director
Mr. Bo-Hyeong Lee of KIC / President

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Section 1 Contract Description

Section 1 Contract Description

Project Name:	Cairo West Supercritical Power Station – 1x650MW 500kV & 220kV Gas Insulated Switchyard
Contract No. :	10089-CP-104
Contract Value :	Contract Price without Provisional Sum : 22,866,843.63 USD + 44,686,336.04 LE Provisional Sum : 2,286,684.36 USD + 4,468,336.04 LE Total Contract Price : 25,153,527.99 USD + 49,154,969,65 LE
Owner :	Cairo Electricity Production Company (CEPC)
Owner Consultant :	Power Generation Engineering and Services Company (PGESCo)
Contractor :	Consortium of Posco Daewoo and Hyundai Electric and KIC Co., Ltd
Contract Effective Date :	01 Nov. 2017
Contract Signing Date :	27 Dec. 2017
Contract Period :	1691 Days (including warranty period)

Section 2 Key Dates

Section 2. Key Dates

	Description	Initial	Final
		Number of Calendar Days from the Effective Date of the Contract	
A-1 1	Deliver to Owner the following issue for construction drawings and data subject to liquidated damages as specified in article 9.2 Refer to Appendix A -Specification 10089-1 E-3PS-EOOZ-00001	-	-
B-1	Equipment / Material Furnished by Contractor Required at Site. Delivery Dates are Subject to liquidated damages as specified in article SC-9.1	-	-

	Description	Initial	Final
		Number of Calendar Days from the Effective Date of the Contract	
A	**Gas-Insulated Switchgear (GIS)**		
1	220 kV Gas-Insulated Switchgear (GIS)		384d (Nov. 19, 2018)
2	500 kV Gas-Insulated Switchgear (GIS)		444d (Jan. 18, 2019)
B	**Tie Transformer**		
3	500/220 kV Tie Transformer		430d (Jan. 4, 2019)
C	**Sealing Ends / U/G Cables**		
4	220 kV Underground XLPE Power Cable Connection to The Station Service Transformer and All Associated Items	324d (Oct. 20, 2018)	384d (Nov. 19, 2018)
5	220 kV XLPE/SF6 Cable Sealing End (at 220kV GIS Substation Side)		399d (Dec. 4, 2018)
6	220 kV XLPE/ Air Sealing End Cable (at Station Service Transformer)		399d (Dec. 4, 2018)
D	**Gas Insulated Bus Duct**		
8	220kV GIB From 220kV GIS To Tie Transformer including supporting steel and all accessories		444d (Jan. 18, 2019)
9	500kV GIB From 500kV GIS to Tie Transformer including supporting steel and all		534d (Apr. 18, 2019)

	Description	Number of Calendar Days from the Effective Date of the Contract: Initial	Final
	accessories		
10	500 kV GIB From 500kV GIS to Generator Step-Up Transformers, including supporting steel and all accessories		534d (Apr. 18, 2019)
E	**General Items**		
11	Switchyard Building Crane System		353d (Oct. 19, 2018)
12	Switchyard Buildings (500 & 220kV), 500 kV Control Building and 220 kV Control Building Electromechanical Equipment (Fire detection and protection system, HVAC system, ...)		353d (Oct. 19, 2018)
13	Protection and Metering Systems for 500/220 kV Switchyard	423d (Dec. 28, 2018)	520d (Apr. 4, 2019)
14	Substation Automation System (SAS)		414d (Dec. 19, 2018)
16	500 kV Surge Air Arrestor		444 (Jan. 18, 2019)
17	Communication System For 500/220 kV Switchyard	423d (Dec. 28, 2018)	520d (Apr. 4, 2019)
18	Cables and Raceways	378d (Nov. 13, 2018)	490d (Mar. 5, 2019)
19	AC and DC Service Stations		414d (Dec. 19, 2018)
20	Marshalling Cabinets		414d (Dec. 19, 2018)
21	Telephone System		414d (Dec. 19, 2018)
22	Grounding System	246d (Jul. 4, 2018)	334d (Sep. 30, 2018)
23	Lightning Protection System		414d (Dec. 19, 2018)
24	Lighting and Power Distribution System	414d (Dec. 19, 2018)	465d (Feb. 8, 2019)
25	Outdoor Equipment at 220 kV existing and remote substations (Line Traps, Line Tuners, and Coupling Capacitors (CCs))		423 (Dec. 28, 2018)
26	Outdoor Equipment at 500 kV for new switchyard (Line Traps, line matching units, Coaxial cables and Coupling Capacitor Voltage Transformers (CCVT))		513d (Mar. 28, 2019)
27	Interface Unit Panel		414d (Dec. 19, 2018)

	Description	Number of Calendar Days from the Effective Date of the Contract: Initial	Final
28	Startup and Commissioning Spare Parts	400d (Dec. 5, 2018)	490 (Mar. 5, 2019)
29	Spare Parts, Special Tools and Test Equipment (**Optional**)		811d (Jan. 20, 2020)
C	**Construction and Start-up Activities**		
1	Complete Site Mobilization	200d (May 19, 2018)	230d (Jun. 18, 2018)
F.A	**Civil Works**		
	GIS Building		
1	500 & 220 kV Switchyard Buildings Pilling Works (If Required)	231d (Jun. 19, 2018)	261d (Jul. 19, 2018)
2	500 & 220 kV Switchyard Buildings Foundations / grounding works	262d (Jul. 20, 2018)	292d (Aug. 19, 2018)
3	500 & 220 kV Switchyard Buildings Superstructure Structure works	293d (Aug. 20, 2018)	338d (Oct. 4, 2018)
4	500 & 220 kV Switchyard Buildings Crane System Installation / Test	354d (Oct. 20, 2018)	369d (Nov. 4, 2018)
5	500 & 220 kV Switchyard Buildings Architectural Finishes	339d (Oct. 5, 2018)	384d (Nov. 19, 2018)
6	500 & 220 kV Switchyard Buildings, 500 kV Control Building and 220 kV Control Building Electromechanical Works (Fire detection and protection system, HVAC system, ...)	354d (Oct. 20, 2018)	379d (Nov. 14, 2018)
	GIS Control Buildings		
7	500 & 220 kV Switchyard Control Buildings Pilling Works (If Required)	231d (Jun. 19, 2018)	252d (Jul. 10, 2018)
8	500 & 220 kV Switchyard Control Buildings Foundations / grounding works	253d (Jul. 11, 2018)	283d (Aug. 10, 2018)
9	500 & 220 kV Switchyard Control Buildings Structure	284d (Aug. 11, 2018)	329d (Sep. 25, 2018)
10	500 & 220 kV Switchyard Control Buildings Architectural Finishes	330d (Sep. 26, 2018)	375d (Nov. 10, 2018)
	Tie Transformer / Gas Insulated Bus Ducts		
11	500/220 kV Tie Transformer foundations / grounding works , supporting steel and all accessories	400d (Dec. 5, 2018)	430d (Jan. 4, 2019)

	Description	Number of Calendar Days from the Effective Date of the Contract: Initial	Final
12	500 kV GIB to Tie Transformer Foundations / grounding works, supporting steel and all accessories	504d (Mar. 19, 2019)	534d (Apr. 18, 2019)
13	220 kV GIB.to Tie Transformer Foundations / grounding works , supporting steel and all accessories	414d (Dec. 19, 2018)	444d (Jan. 18, 2019)
14	500 kV GIB to Generator Step-Up Transformers / grounding works , foundations, supporting steel and all accessories	504d (Mar. 19, 2019)	534d (Apr. 18, 2019)
15	220 kV Underground XLPE Power Cable Pulling From 220kV GIS to The Station Service Transformer	385d (Nov. 20, 2018)	445d (Jan. 19, 2019)
	Take Off Gantry System		
16	Install 500kV Take off Gantry including foundations works, supporting steel and all accessories	445d (Jan. 19, 2019)	505d (Mar. 20, 2019)
17	Install 500 kV Air surge arresters Including foundations works , supporting steel and all accessories	445d (Jan. 19, 2019)	505d (Mar. 20, 2019)
F.B	**Installation Works**		
16	Install 220 kV Gas-Insulated Switchgear (GIS) including all auxiliaries according to spec.	385d (Nov. 20, 2018)	475d (Feb. 18, 2019)
17	220 kV XLPE/SF6 Sealing End Cable Terminations (at 220kV GIS Substations Side)	400d (Dec. 5, 2018)	460d (Feb. 3, 2019)
18	220 kV & XLPE/ Air Sealing End Cable Terminations at Station Service Transformer	400d (Dec. 5, 2018)	460d (Feb. 3, 2019)
19	Install 500/220 kV Tie Transformer including rails and all auxiliaries according to Specs.	431d (Jan. 5, 2019)	461d (Feb. 4, 2019)
20	Install/ Connect 220kV GIB From 220kV GIS To Tie Transformer	445d (Jan. 19, 2019)	475d (Feb. 18, 2019)
21	Install 500 kV Gas-Insulated Switchgear (GIS) including all auxiliaries according to spec.	445d (Jan. 19, 2019)	565d (May 19, 2019)
22	Install / Connect 500kV GIB From 500kV GIS to Tie Transformer	535d (Apr. 19, 2019)	565d (May 19, 2019)
25	Install/ Connect 500kV GIB from 500kV GIS to Generator Step Up Transformers	535d (Apr. 19, 2019)	565d (May 19, 2019)
26	AC and DC Service Stations	415d (Dec. 20, 2018)	565d (May 19, 2019)

	Description	Number of Calendar Days from the Effective Date of the Contract: Initial	Final
27	Protection / Metering & Communication Systems For 220 kV Switch yard	430d (Jan. 4, 2019)	460d (Feb. 3, 2019)
28	Protection / Metering & Communication Systems For 500 kV Switch yard	520d (Apr. 4, 2019)	550d (May. 4, 2019)
29	Outdoor Equipment at 220 kV existing and remote substations (Line Traps, Line Tuners, and Coupling Capacitors (CCs))	430 (Jan. 4, 2019)	460 (Feb. 3, 2019)
30	Outdoor Equipment at 500 kV for new switchyard (Line Traps, line matching units, Coaxial cables and Coupling Capacitor Voltage Transformers (CCVT))	520d (Apr. 4, 2019)	550d (May. 4, 2019)
31	Substation Automation System (SAS)	415d (Dec. 20, 2018)	565d (May 19, 2019)
32	Telephone System	415d (Dec. 20, 2018)	565d (May 19, 2019)
33	Grounding System	253d (Jul. 11, 2018)	534d (Apr. 18, 2019)
34	Lightning Protection System	415d (Dec. 20, 2018)	565d (May 19, 2019)
35	Cables and Raceways	385d (Nov. 20, 2018)	565d (May 19, 2019)
36	Lighting and Power Distribution System	415d (Dec. 20, 2018)	565d (May 19, 2019)
37	Marshalling Cabinets	415d (Dec. 20, 2018)	565d (May 19, 2019)
38	Interface Unit Panel	415d (Dec. 20, 2018)	565d (May 19, 2019)
39	Complete All Installation Works Required for 220 kV Switchyard Energization		490d (Mar. 5, 2019)
40	Complete All Installation Works Required for 500 kV Switchyard Energization		580d (Jun. 3, 2019)
F.C	**Start Up & Commissioning**		
1	220 kV Switchyard Testing and startup as required and in accordance to Specifications	491d (Mar. 6, 2019)	521d (Apr. 5, 2019)
2	220 kV End to End Test (Switchyard-Remote End Substation)	522d (Apr. 6, 2019)	537d (Apr. 21, 2019)
3	220 kV Switchyard Energization		538d (Apr. 22, 2019)
4	Connection to Station Service Transformer	539d (Apr. 23, 2019)	554d (May 8, 2019)
5	500/220 kV Tie transformer Testing and startup as required and in accordance to	581d (Jun. 4, 2019)	611d (Jul. 4, 2019)

	Description	Initial	Final
		Number of Calendar Days from the Effective Date of the Contract	
	Specifications		
6	500/220 kV Tie transformer Energization		612d (Jul. 5, 2019)
7	500 kV Switchyard Testing and startup as required and in accordance to Specifications	581d (Jun. 4, 2019)	626d (Jul. 19, 2019)
8	500 kV End to End Test (Switchyard-Remote End Substation	627d (Jul. 20, 2019)	642d (Aug. 4, 2019)
9	500 kV Switchyard Energization		643d (Aug. 5, 2019)
10	Connection to Generator Step-up Transformer Note: Regarding the connection with the Station Service Transformer & Generator Step-up Transformer; date will be confirmed by a letter from owner one month before the start date. 220 KV Remote Substation:- Owner will confirm date of readiness for end to end test (Switchyard to Remote End Substation) one week before start date Via letter. 500 KV Remote Substation:- Owner will confirm date of readiness for end to end test (Switchyard to Remote End Substation) one week before start date Via letter. Contractor shall meet Owner's requirements of intermediate milestone dates by completing construction and start up/testing of systems to support Owner's overall project schedule. These intermediate milestone dates shall be provided later	644d (Aug. 6, 2019)	659d (Aug. 21, 2019)
F.D	**Construction Completion Certificate Date (As per the requirements stated in Technical Specification NO. (10089-1 E-3PS-EOOZ-00001) subject to liquidated damages as specified in article SC-9.1**		
1	500 & 220 kV GIS buildings , 500 kV GIS Control building and 220 kV Control Building including but not limited architectural finishes and elecromechanical scope of the building.		384d (Nov. 19, 2018)
2	All Outdoors Equipments Foundations & Supporting Steel Wor		551d (May 5, 2019)
3	220 kV Switchyard Equipment Installation		491d

	Description	Initial	Final
			Number of Calendar Days from the Effective Date of the Contract
			(Mar. 6, 2019)
4	500 kV Switchyard Equipment Installation		581d (Jun. 4, 2019)
5	500/220 kV Tie Transformer Installation		462d (Feb. 5, 2019)
6	220 kV Switchyard Energization		539d (Apr. 23, 2019)
7	Connection to Station Service Transformer		555d (May 9, 2019)
8	500 kV Switchyard Energization		644d (Aug. 6, 2019)
9	Connection to Generator Step-up Transformer		660d (Aug. 22, 2019)
F.E	**Taking Over and Acceptance Certificate Date (After complete continuous 30 days reliability run and satisfactory completion of performance tests to demonstrate performance criteria stated in Technical Specification No. (10089-1E-3PS-EOOZ-00001)**		**961d (Jun. 18, 2020)**
F.F	**Final Certificate Date**		**1691d (Jun. 18, 2022)**

Note: The Effective Date of the Contract is Nov. 1, 2017

Section 3 Executive Summary

Section 3. Executive Summary

- Compression Test for the Pile no. 17 at the Tie Transformer Area.
- Repairing works for the Defective piles.
- Piles Demolition & Trimming tips till the cut-off level.
- Water Proof Works at the 220 KV GIS Building.
- Foundation works for 220 KV GIS & Control Buildings.
- RC Pouring for Foundation of the 220 KV GIS & Control Buildings.
- Excavation Works at the 500 KV GIS Building.
- Backfill & Compaction Works at the 500 KV GIS Building.
- PC Works for the 220 KV GIS Buildings.
- PC Works for the Basement of the Tie Transformer Area.
- Waterproof Work at the Tie Transformer Area.
- Earthworks at 220kV & 500kV GIS and control buildings
- Earthworks at 500/220kV Tie Transformer Area.
- Backfill & Compaction Works at the Gantry Tower Area.
- Pouring PC of the Gantry Tower Foundation.
- Waterproof Works for the Gantry Tower Foundation.
- Fixing Steel Anchor for the Foundation of the Gantry.

Section 4 Progress Narrative

Section 4. Progress Narrative

4.1 Engineering

4.1.1 Electrical Engineering

The electrical engineering progress is 69.55%. The following submittal has been submitted by the Consortium of Posco Daewoo, Hyundai Electric and KIC Co., Ltd.:

- OVERALL LIGHTNING PROTECTION LAYOUT
- LIGHTNING PROTECTION FOR GANTRY TOWER
- LIGHTNING PROTECTION FOR 500/220kV CONTROL BUILDING
- LIGHTNING PROTECTION FOR 500/220kV GIS BUILDING
- LIGHTNING PROTECTION FOR 500/220kV TIE TRANSFORMER
- LIGHTNING PROTECTION FOR GIB OF 500/220kV TIE TRANSFORMER
- LIGHTNING PROTECTION SECTION
- LIGHTNING PROTECTION ROOF PLAN
- GROUNDING LAYOUT FOR 500KV
- GIS & CONTROL BUILDING
- GROUDNING SYSTEM CALCULATIONS
- LIGHTNING CALCULATION

The following electrical engineering activities are in progress:

- PROTECTION & METERING SINGLE LINE
- DIAGRAM FOR 500kV"
- OVERALL EQUIPMENT LAYOUT
- TRANSFORMER TERTIARY WINDING CONNECTION DETAILS
- TIE TRANSFORMER CONNECTIONS
- OVERALL TRENCH & TRAY LAYOUT
- OVERALL GROUNDING LAYOUT
- DETAIL FOR TIE TR GROUDING LAYOUT
- DETAIL FOR TIE TR NEUTRAL
- GROUDING LAYOUT
- LV CABLE SIZING CALCULATION

- BATTERY & CHARGER SIZING CALCULATION
- VFTO CALCULATIONS
- SURGE ARRESTER LOCATION STUDY
- NEUTRAL & TERTIARY AL.TUBE SIZNG CALCULATION

4.1.2 Civil & Architecture Engineering

The civil & architecture engineering progress is 90.50%. The following submittal has been submitted by the Consortium of Posco Daewoo, Hyundai Electric and KIC Co., Ltd.:

Civil

- PILE LOCATION PLAN
- 500 / 220 kV TIE TRANSFORMER REINF. DETAILS
- STRUCTURAL CALCULATION OF 220 / 500kV TIE TRANSFORMER TRs RAILWAY FOUNDATION

Architecture

- GROUND FLOOR WALL OPENING PLAN-2
- 500kV CONTROL BUILDING & 500kV GIS BUILDING PILE LOCATION
- 500kV CONTROL BUILDING & 500kV GIS BUILDING FOUNDATION LOCATION PLAN
- 220/500kV CONTROL BUILDING & 220kV GIS BUILDING GROUND FLOOR FRAMING PLAN
- 500kv CONTROL BUILDING & 500kV GIS BUILDING FRAMING ELEVATION Grid A,C,D
- 220kV & 500kV CONTROL BUILDING and GIS BUILDING FRAMING ELEVATION Grid F
- 500kV CONTROL BUILDING FRAMING ELEVATION Grid 19,20
- 220kV & 500kV GIS BUILDING FOUNDATION REINF. DETAILS-4
- 220/500kV GIS CABLE TRENCH & EMBEDDED LAYOUT
- CABLE TRENCH SECTION DETAILS
- 220/500kv GIS CABLE TRENCH COVER LAYOUT
- AUX TRANSFORMER GRATING COVER DETAILS
- STRUCTURAL CALCULATION 220/500 kV GIS BUILDING

The following civil & architecture engineering activities are in progress:

Civil/Architecture

- BASEMENT FLOOR & GROUND FLOOR WALL OPENING PLAN-1
- 220kV GIS BUILDING BASEMENT FLOOR FRAMING PLAN
- 220kV CONTROL BUILDING & 220kV GIS BUILDING FRAMING ELEVATION Grid B,E,1
- 220kV & 500kV GIS BUILDING FRAMING ELEVATION Grid 8,9,10,11

4.2 Procurement

The following purchase or orders have been placed and are in progress as detailed in Material Tracking Sheet (MTS):

- 500 kV Gas Insulated Switchgear (GIS)
- 220 kV Gas Insulated Switchgear (GIS)
- 500 kV Gas Insulated Bus (GIB) - 500kV GIS to GSUT
- 500kV Air Surge Arresters
- 220kV XLPE/SF6 Sealing End Terminations
- 500 kV Gas Insulated Bus (GIB) - 500kV GIS to Tie-Transformer
- 500/220kV Tie-Transformer
- 220 kV Gas Insulated Bus (GIB) - 220kV GIS to Tie-Transformer
- 220 kV XLPE Power cable
- Switchyard AC and DC service station system
- Protection and metering systems (500 kV)
- Protection and metering systems (220 kV)
- Substation Automation System (SAS)
- Communication system for 500 kV switchyard
- Communication system for 220 kV switchyard
- Telephone system
- 500kV CCVT
- 500 / 220kV Line Traps
- Building Crane System
- Tie Transformer (In Transit)
- ACDC System (In Transit)

The following vendor submittal has been submitted by the Consortium of Posco Daewoo, Hyundai Electric and KIC Co., Ltd.:

- IO LIST (Hardwired interface signals with DCS) (Feb. 01)
- Equipment list of telecommunication system (Feb. 01)
- QP Document for 500kV & 220kV GIS (Feb. 11)
- Anti-Acid-Chemical Paint for Battery Rooms (Feb.12)
- SCHEMATIC DIAGRAM OF ONTERFACE (Feb.12)
- OVERALL LIGHTNING PROTECTION LAYOUT (Feb.12)
- SCHEMATIC DIAGRAM OF 500kV GEN. GIB PROTECTION PANEL(Feb.22)
- Compression test & REDESIGN OF PILES(Feb.16)
- SCHEMATIC DIAGRAM OF 500kV GEN. GIB PROTECTION PANEL(Feb.22)
- SCHEMATIC DIAGRAM OF 500kV 4031&4032&4041&4042 BAY CONTROL PANEL
- Test Result of Concrete Materials used in Design Mix. (Feb.26)

FAT (Factory Acceptance Test) for the following equipment will be held next month as detailed in Material Tracking Report:

- Protection & Control Panel
- 220kV & 500kV Line Trap
- CCVT & Lightning Arrester

4.3 Site Work

The following site works have been in progress this month:

- Trimming piles' tips till the cut-off level at the 500 kV GIS Building.
- Trimming piles' tips of the TR area till the cut-off level.
- Finishing Waterproof works under the RC Foundations of the 220kV GIS & Control Buildings.
- Formworks & Steel cutting and fixing for RC Foundation at the 220kV GIS & Control Buildings.
- RC Pouring for Foundation of the 220 KV GIS & Control Buildings.
- Ongoing Formwork for Basement Walls of the 220 KV GIS & Control Buildings.
- Carrying out repairing works for the flawed pile no.(141,145) for the 500 kV GIS Building.
- Ongoing Excavation works at the 500kV GIS Building (60%).
- Backfill & Compaction Works at the 500 KV GIS Building.
- Preparing for Carrying out repairing works for the Piles of the Tie Transformer Maintenance Area (59,69).
- Pouring Pile Cap for SI test on the pile no.65 of the TR Maintenance area.
- Finishing Waterproof Works underside the RC foundations of the TR area.
- Ongoing Steel Fabrication & Fixing of the TR area.
- Ongoing Formwork for the Foundation of the Gantry.
- Ongoing Fixing Steel Anchor for the Foundation of the Gantry.
- Pouring RC Foundation of the Gantry no.2.

The following site works planned to be progressed next month:

- Completion of the piles repairing works.
- Completion of the reinforced concrete works of the foundations of the 220kV GIS & Control buildings.
- Carrying out Columns Neck of the 220 KV GIS & Control Buildings.
- Carrying out Masonry Walls Works Up to Ground Beams Level of the 220KV GIS Buildings.
- Finishing SOG of the 220 KV GIS & Control Buildings.

- Finishing the excavation works of 500kV GIS Building.
- Trimming of piles at 500kV GIS Building.
- Replacement & Compaction Works at 500kV GIS Building.
- Carrying out PC of the 500 KV GIS Building.
- Start RC Foundation of the 500 KV GIS Building.
- Carrying out Sonic Integrity Test for the piles of the TR Maintenance Area.
- Carrying out loading tests on the selected piles according to SI Test at TR Maintenance Area.
- Soil Replacement at the Tie Transformer Maintenance Area.
- Start RC Works of the Tie Transformer Maintenance Area.
- Reinforced concrete works at the TR area.
- Finishing Fixing Steel Anchor for the Foundation of the Gantry
- Finishing Reinforced concrete works for the gantry tower's foundations.

4.4 Area of Concern

- Engineering

Electrical

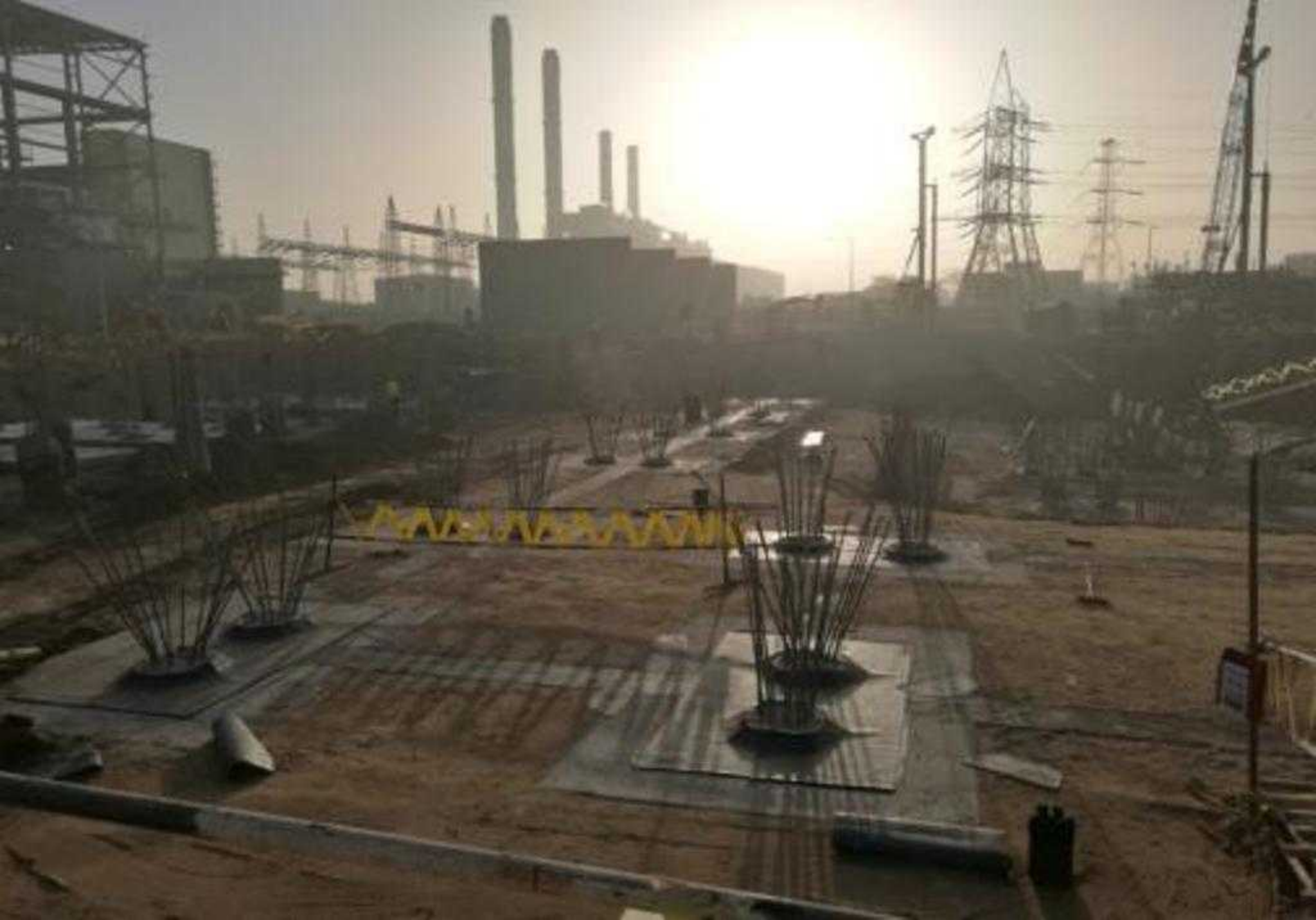
- The documents regarding busduct are expected to submit after related discussion
- The documents related to tertiary winding are expected to submit after submission of tertiary winding drawing

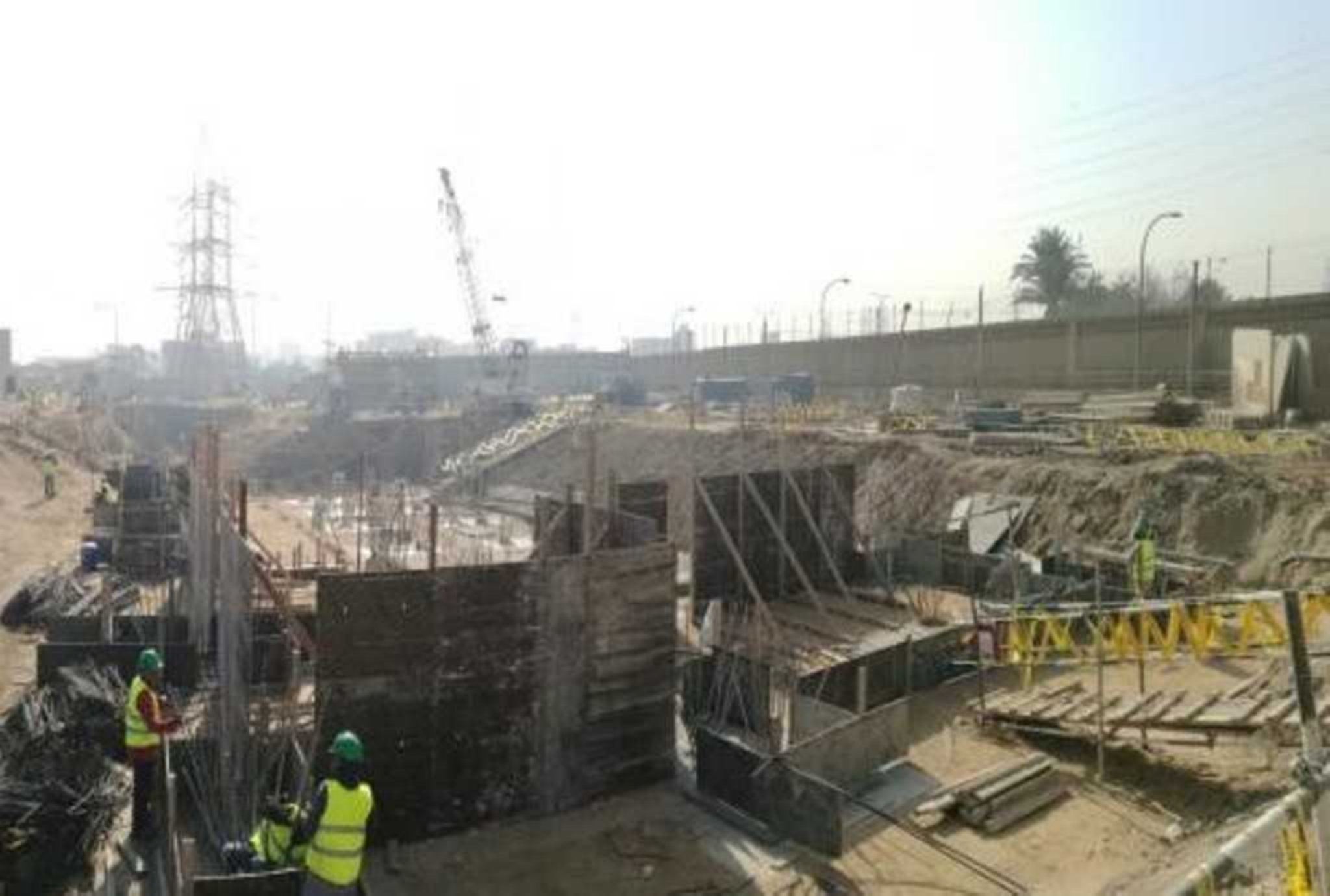
Civil/ Arch

- Information of overhead crane shall be received.

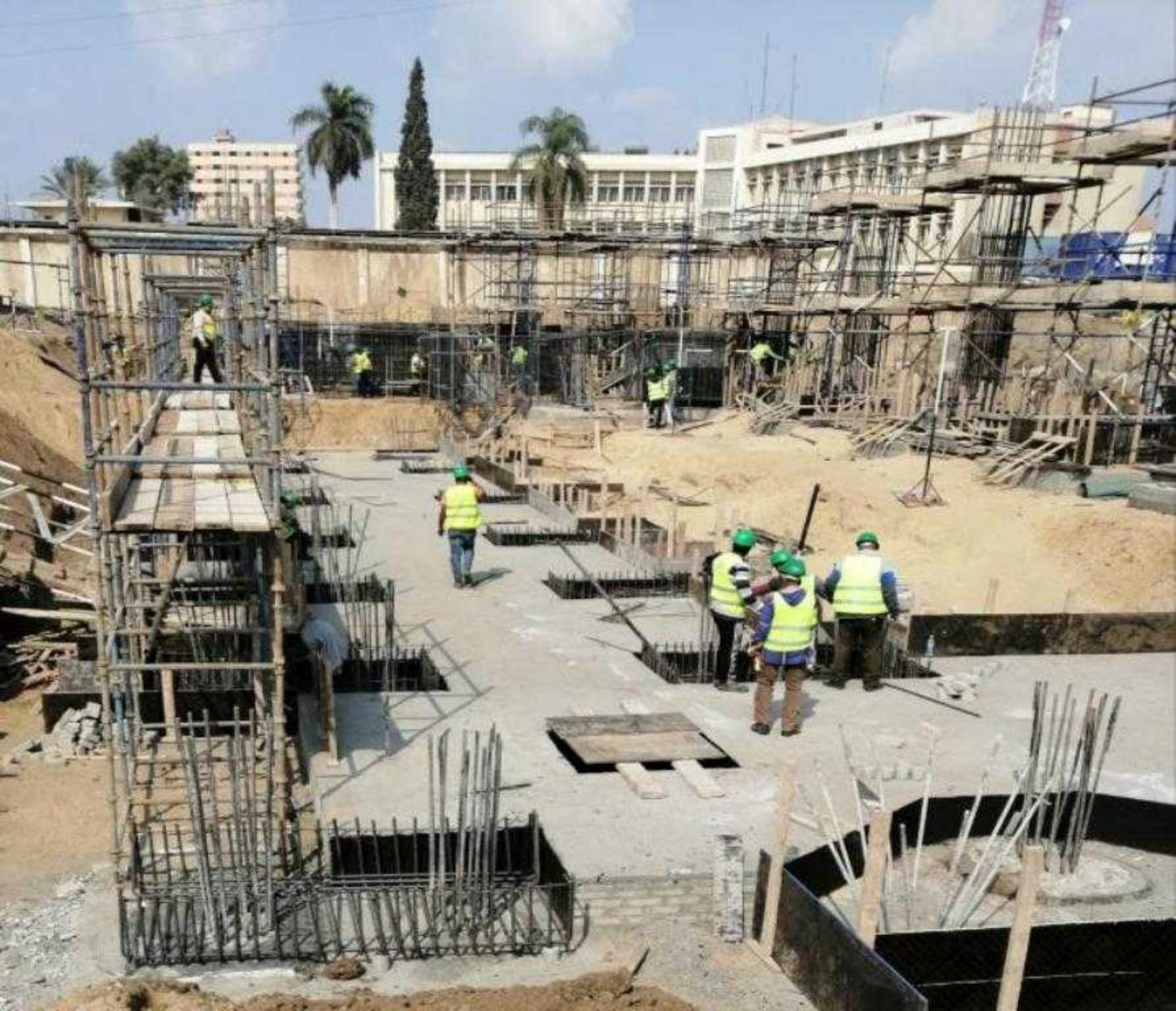
Section 5 Project Photos

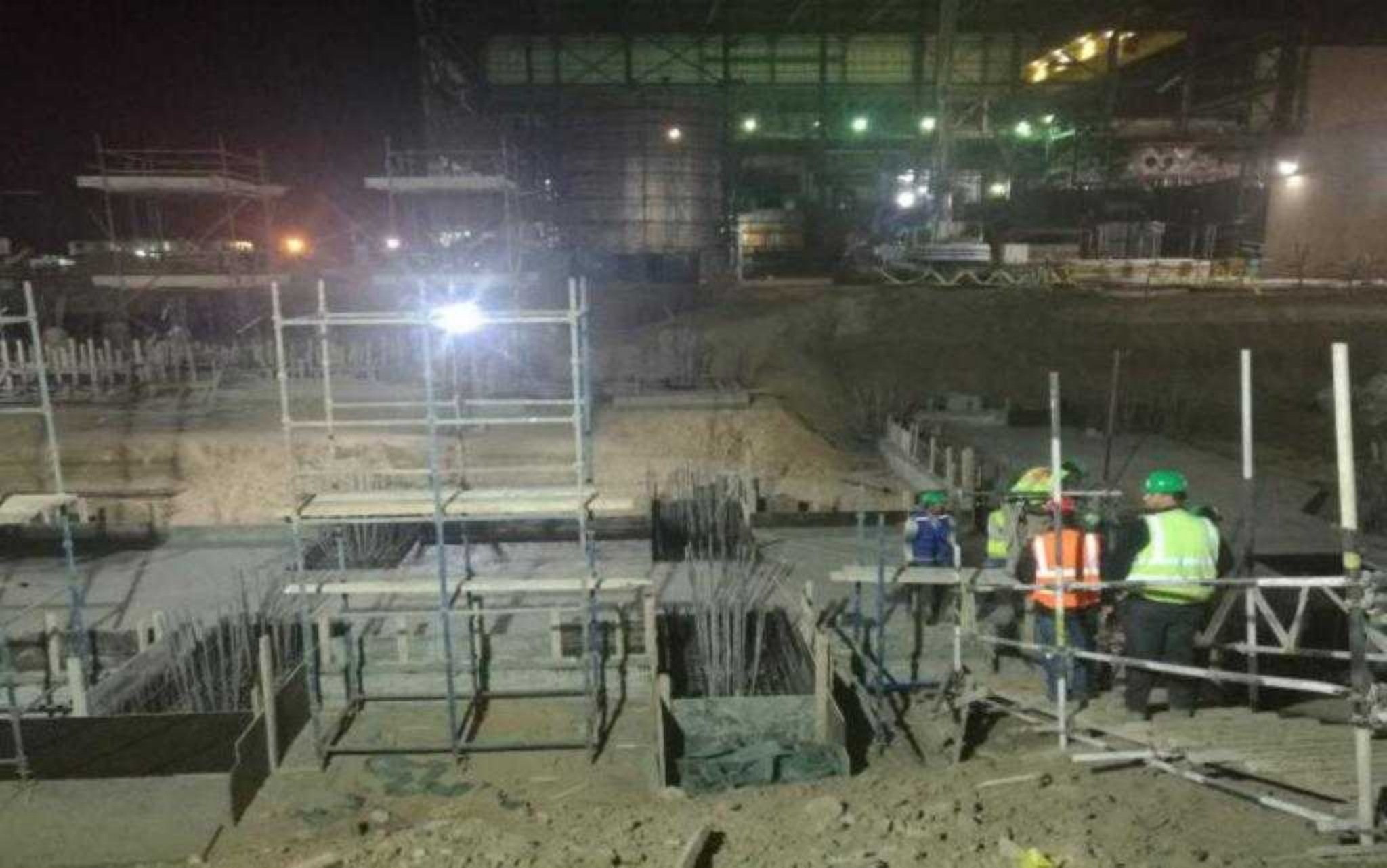
Section 5.1 220 KV GIS Building Photos





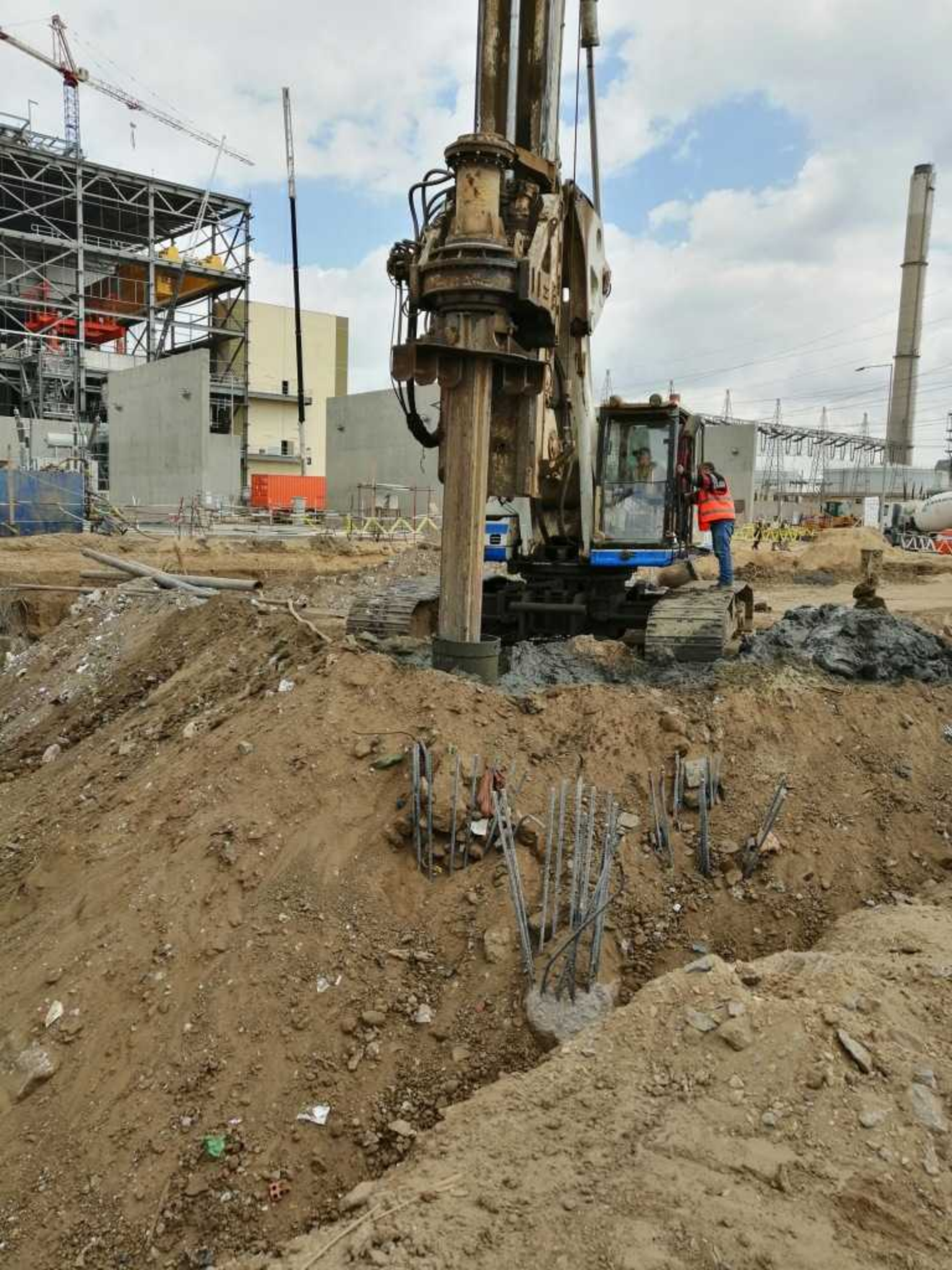
CP 104
220 K.V
GIS & Control Building





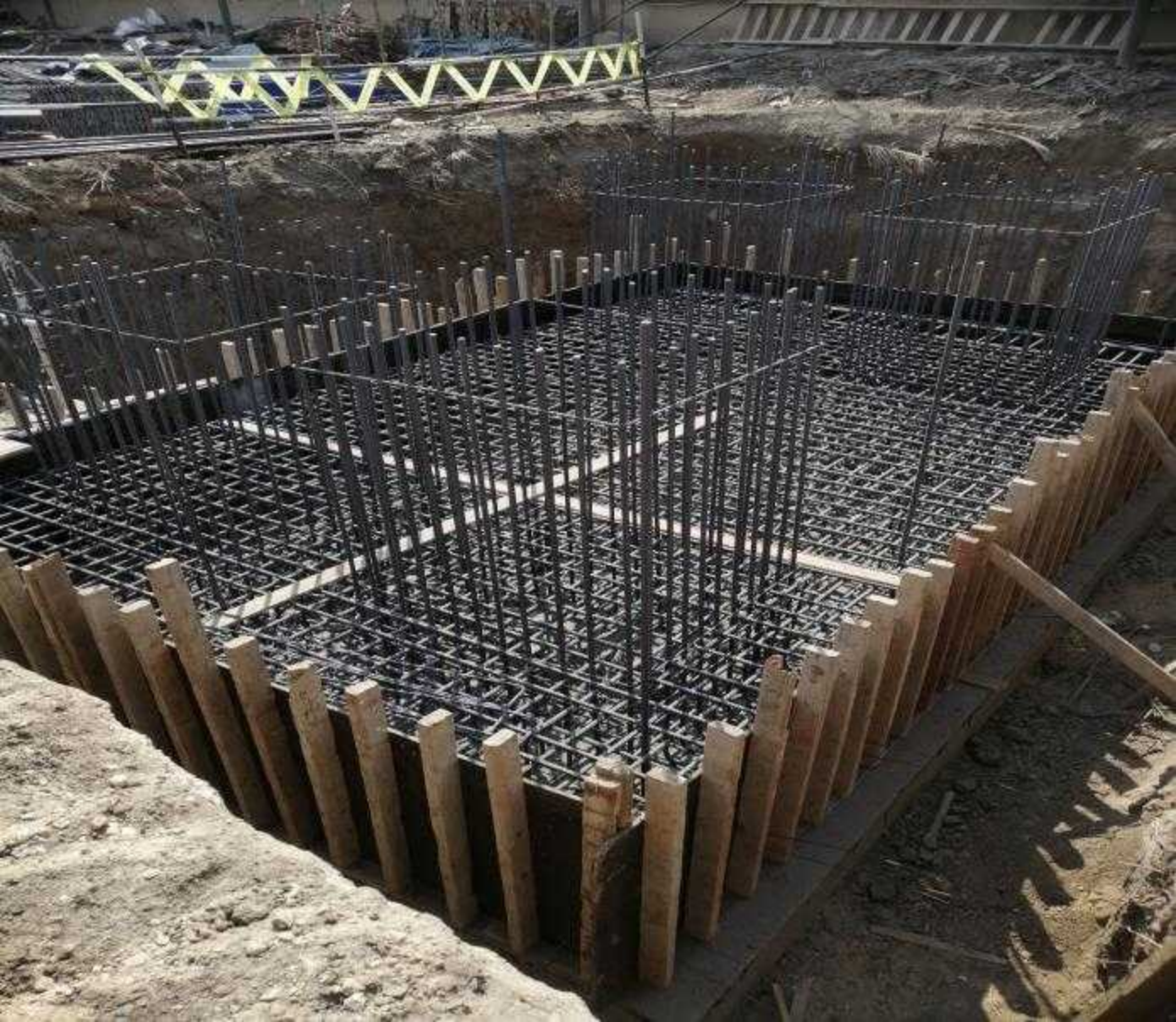
Section 5.2 500 KV GIS Building Photos

CAT



Section 5.3 □i□ □r□n□□□r□ □r □r□□ Photos

Section 5.4 G□n□r□ Photos



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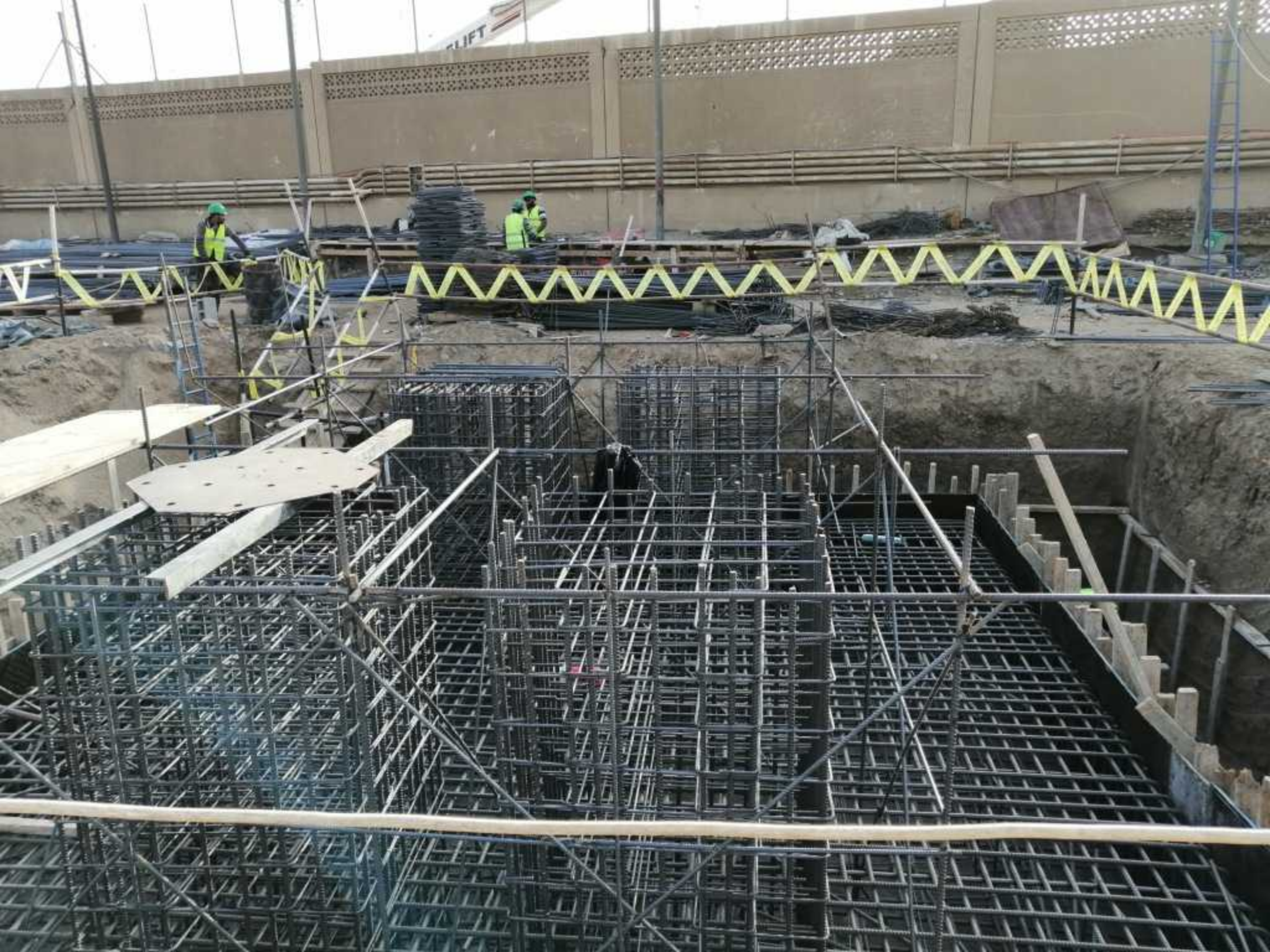


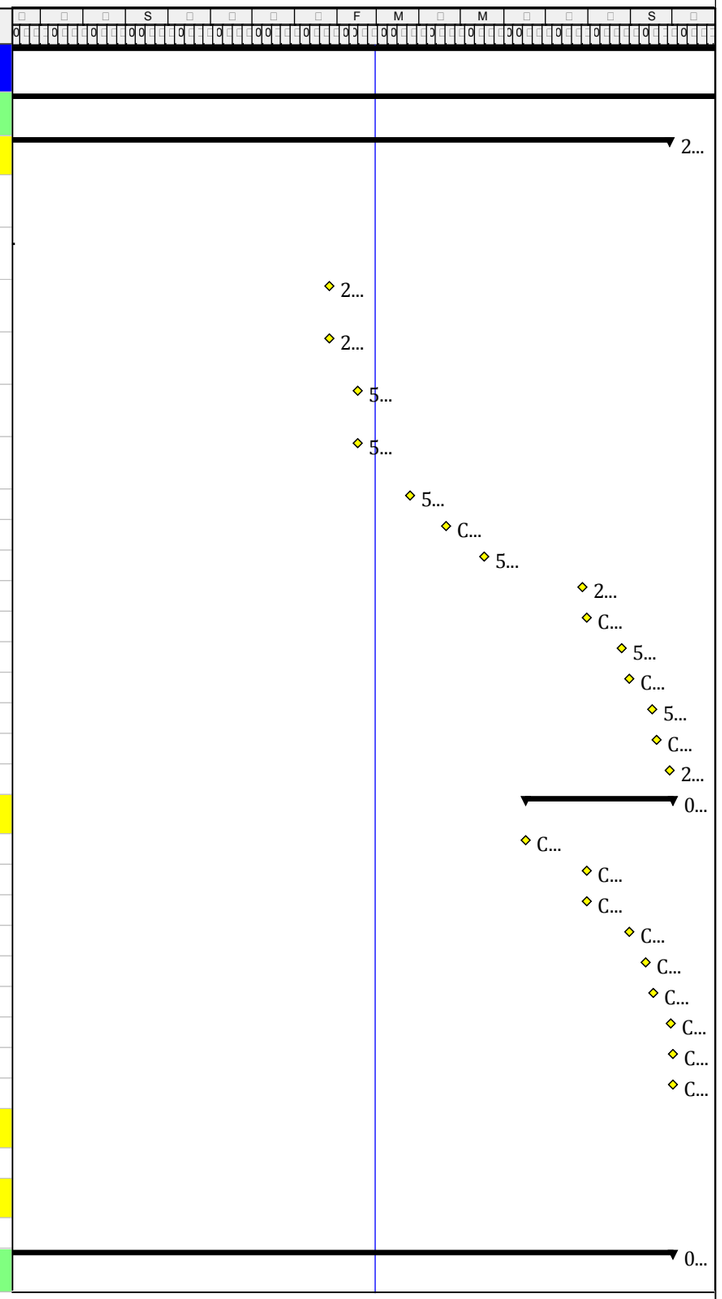
Section 6 Contractors Reports

Section 6.1 Contractor Schedule

Updated Schedule based on the Baseline Schedule (Rev. E).

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
(Cairo West Supercritical Power Station-Recovery Plan_ Ba		1689	01-Nov-2017 A	18-Jun-2022	-1031	01-Nov-2017	18-Jun-2022
Contractual Milestone		1689	01-Nov-2017 A	18-Jun-2022	-1032	01-Nov-2017	18-Jun-2022
Project Milestone		696	01-Nov-2017 A	29-Sep-2019	-39	01-Nov-2017	01-Oct-2019
CFMKM010	Effective Date	0	01-Nov-2017 A			01-Nov-2017	
CFMKM015	Site Mobilization Completion	0		19-May-2018 A			19-May-2018
CFMKM020	220kV GIS Delivery	0		26-Jan-2019 A			17-Feb-2019
CFMKM070	220kV GIB Delivery	0		26-Jan-2019 A			17-Feb-2019
CFMKM030	500kV GIS Delivery	0		16-Feb-2019 A			28-Feb-2019
CFMKM080	500kV GIB Delivery	0		16-Feb-2019 A			28-Feb-2019
CFMKM040	500/200kV Tie Transformer Delivery	0		25-Mar-2019	49		28-Feb-2019
CFMKM100	Cable & Raceways Delivery	0		20-Apr-2019	28		11-Mar-2019
CFMKM120	500/220kV Tie Transformer Installation (incl. auxiliaries)	0		18-May-2019	95		22-May-2019
CFMKM110	220kV GIS Installation (incl. auxiliaries)	0		28-Jul-2019	25		30-Jun-2019
CFMKM130	Complete all installation work for 220kV Switchyard Energization	0		31-Jul-2019	21		30-Jun-2019
CFMKM150	500kV GIS Installation (incl. auxiliaries)	0		25-Aug-2019	-4		15-Jul-2019
CFMKM140	Complete all installation work for 500kV Switchyard Energization	0		30-Aug-2019	-10		14-Jul-2019
CFMKM190	500kV Swithyard Energization	0		16-Sep-2019	-27		15-Sep-2019
CFMKM200	Connection to Generator Step-up Transformer	0		19-Sep-2019	-29		01-Oct-2019
CFMKM180	220kV Switchyard Energization	0		29-Sep-2019	-38		16-Aug-2019
Construction Completion Certificate		106	17-Jun-2019	01-Oct-2019	-40	23-Jun-2019	01-Oct-2019
CFMKM250	CCC for 500/220kV Tie Transformer Installation	0		17-Jun-2019	66		23-Jun-2019
CFMKM220	CCC for All Outdoors Equipment Foundation & Supporting Steel	0		31-Jul-2019	21		26-Jul-2019
CFMKM230	CCC for 220kV Switchyard Equipment Installation	0		31-Jul-2019	21		11-Jul-2019
CFMKM240	CCC for 500kV Switchyard Equipment Installation	0		31-Aug-2019	-9		30-Jul-2019
CFMKM210	CCC for 500/220kV GIS & Control Buildings	0		11-Sep-2019	-21		11-Jul-2019
CFMKM280	CCC for 500kV Switchyard Energization	0		17-Sep-2019	-26		15-Sep-2019
CFMKM260	CCC for 220kV Switchyard Energization	0		29-Sep-2019	-39		17-Aug-2019
CFMKM270	CCC for Connection to Station Service Transformer	0		01-Oct-2019	-40		17-Aug-2019
CFMKM290	CCC for Connection to Generator Step-up Transformer	0		01-Oct-2019	-40		01-Oct-2019
Taking Over and Acceptance Certificate		0	18-Jun-2020	18-Jun-2020	-301	18-Jun-2020	18-Jun-2020
CFMKM300	Taking Over and Acceptance Certificate	0		18-Jun-2020*	-301		18-Jun-2020
Final Certificate		0	18-Jun-2022	18-Jun-2022	-1031	18-Jun-2022	18-Jun-2022
CFMKM310	Final Certificate	0		18-Jun-2022*	-1031		18-Jun-2022
Design and Engineering		503	01-Nov-2017 A	01-Oct-2019	-40	01-Nov-2017	21-Jan-2019



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Data Date 01-Nov-2017
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Date	Revision	Checked	Approved
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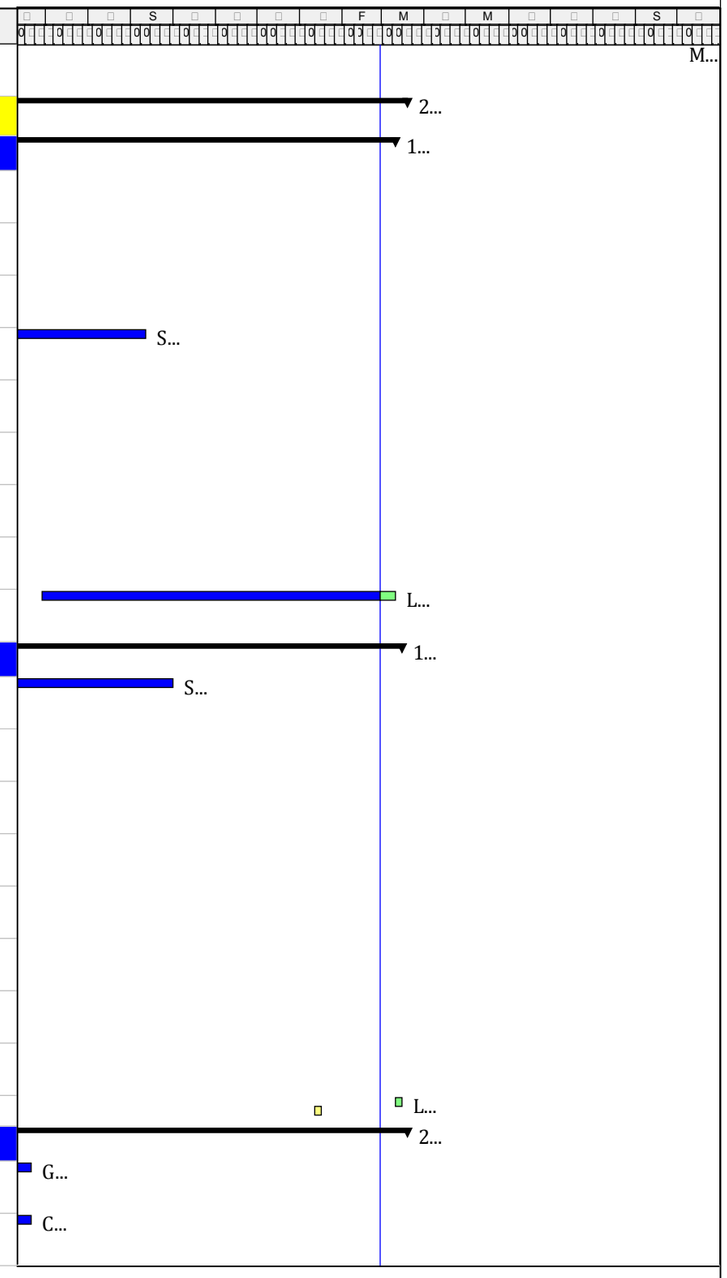
01-Mar-2020	Submitted for Baseline		
01-Jun-2020	Submitted for Baseline		
01-Jul-2020	Submitted for Baseline		
01-Oct-2020	Submitted for Baseline		

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
EC3320	Management, Engineering & Site Supervision	0	01-Nov-2017 A	01-Oct-2019	-41	31-Dec-2018	31-Dec-2018
Civil		503	01-Nov-2017 A	20-Mar-2019	125	01-Nov-2017	21-Jan-2019
PREPARATION & ISSUANCE FOR APPROVAL (IFA)		180	01-Nov-2017 A	11-Mar-2019	125	01-Nov-2017	30-Apr-2018
CFECV010A	Site Plan - IFA	69	01-Nov-2017 A	05-Feb-2018 A		01-Nov-2017	05-Feb-2018
CFECV005A	Geotechnical Investigation Report - IFA	59	01-Nov-2017 A	22-Jan-2018 A		01-Nov-2017	22-Jan-2018
CFECV020A	Tie TR Pile Location Plan - IFA	35	11-Dec-2017 A	29-Jan-2018 A		11-Dec-2017	26-Jan-2018
CFECV080A	Structural Calculation of Equip. Foundation - IFA	86	25-Dec-2017 A	11-Sep-2018 A		25-Dec-2017	23-Apr-2018
CFECV060A	Fence Layout & Details - IFA	29	01-Jan-2018 A	18-Jan-2018 A		19-Dec-2017	29-Jan-2018
CFECV030A	Transformer Foundation Details - IFA	25	03-Jan-2018 A	05-Feb-2018 A		25-Dec-2017	26-Jan-2018
CFECV050A	Cable Trench & Duct Bank Details - IFA	30	08-Jan-2018 A	18-Jan-2018 A		18-Dec-2017	26-Jan-2018
CFECV040A	Outdoor Equipment Foundation Plan & Details - IFA	50	19-Feb-2018 A	05-Apr-2018 A		19-Feb-2018	30-Apr-2018
CFECV070A	Landscape - IFA	47	28-Jun-2018 A	11-Mar-2019	125	14-Mar-2018	30-Apr-2018
OWNER'S REVIEW & APPROVAL		428	10-Jan-2018 A	15-Mar-2019	125	10-Jan-2018	16-Jan-2019
CFECV080B	Structural Calculation of Equip. Foundation - Owner's Review	87	10-Jan-2018 A	01-Oct-2018 A		10-Jan-2018	06-Apr-2018
CFECV060B	Fence Layout & Details - Owner's Review	14	18-Jan-2018 A	13-Mar-2018 A		30-Jan-2018	12-Feb-2018
CFECV050B	Cable Trench & Duct Bank Details - Owner's Review	14	19-Jan-2018 A	09-Feb-2018 A		27-Jan-2018	09-Feb-2018
CFECV005B	Geotechnical Investigation Report - Owner's Review	14	23-Jan-2018 A	05-Feb-2018 A		23-Jan-2018	05-Feb-2018
CFECV010B	Site Plan - Owner's Review	14	06-Feb-2018 A	21-Feb-2018 A		06-Feb-2018	19-Feb-2018
CFECV020B	Tie TR Pile Location Plan - Owner's Review	14	06-Feb-2018 A	13-Mar-2018 A		29-Jan-2018	11-Feb-2018
CFECV030B	Transformer Foundation Details - Owner's Review	14	06-Feb-2018 A	14-Mar-2018 A		29-Jan-2018	11-Feb-2018
CFECV040B	Outdoor Equipment Foundation Plan & Details - Owner's Review	14	05-Apr-2018 A	08-May-2018 A		01-May-2018	14-May-2018
CFECV070B	Landscape - Owner's Review	5	11-Mar-2019	15-Mar-2019	125	12-Jan-2019	16-Jan-2019
ISSUANCE FOR CONSTRUCTION (IFC)		428	08-Feb-2018 A	20-Mar-2019	125	15-Jan-2018	21-Jan-2019
CFECV005C	Geotechnical Investigation Report - IFC	63	08-Feb-2018 A	20-Jun-2018 A		05-Feb-2018	03-May-2018
CFECV050C	Cable Trench & Duct Bank Details - IFC	54	10-Feb-2018 A	20-Jun-2018 A		09-Feb-2018	26-Apr-2018



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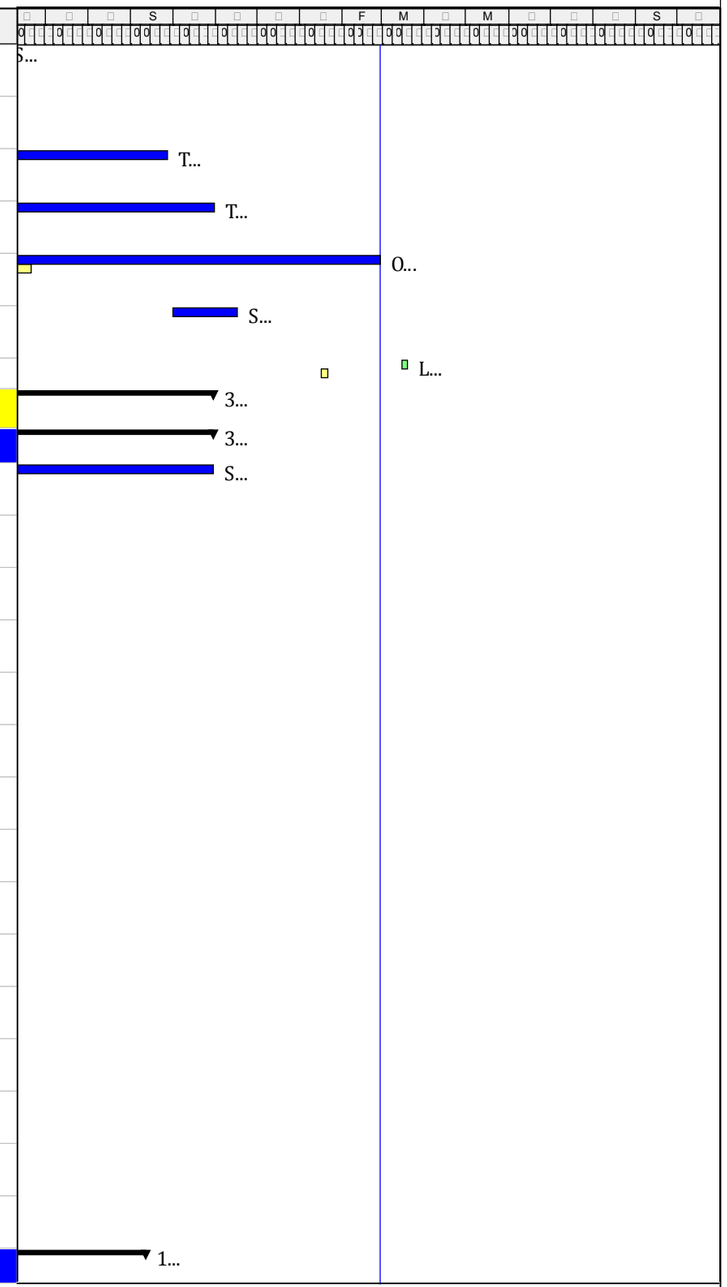
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CFECV010C	Site Plan - IFC	35	22-Feb-2018 A	31-May-2018 A		19-Feb-2018	09-Apr-2018
CFECV060C	Fence Layout & Details - IFC	21	14-Mar-2018 A	06-May-2018 A		12-Feb-2018	13-Mar-2018
CFECV020C	Tie TR Pile Location Plan - IFC	60	14-Mar-2018 A	27-Sep-2018 A		12-Feb-2018	07-May-2018
CFECV030C	Transformer Foundation Details - IFC	65	15-Mar-2018 A	31-Oct-2018 A		12-Feb-2018	14-May-2018
CFECV040C	Outdoor Equipment Foundation Plan & Details - IFC	37	09-May-2018 A	28-Feb-2019	67	14-May-2018	20-Jun-2018
CFECV080C	Structural Calculation of Equip. Foundation - IFC	59	01-Oct-2018 A	17-Nov-2018 A		15-Jan-2018	05-Apr-2018
CFECV070C	Landscape - IFC	4	15-Mar-2019	20-Mar-2019	125	16-Jan-2019	21-Jan-2019
Building		271	01-Nov-2017 A	30-Oct-2018 A		01-Nov-2017	30-Jul-2018
PREPARATION & ISSUANCE FOR APPROVAL (IFA)		83	01-Nov-2017 A	30-Oct-2018 A		01-Nov-2017	23-Feb-2018
CFEBD170A	Structural Calculation of Building - IFA	69	01-Nov-2017 A	30-Oct-2018 A		01-Nov-2017	05-Feb-2018
CFEBD080A	GIS & Control Building Pile location Plan - IFA	35	19-Dec-2017 A	05-Feb-2018 A		11-Dec-2017	26-Jan-2018
CFEBD090A	Foundation Location Plan - IFA	35	19-Dec-2017 A	05-Feb-2018 A		13-Nov-2017	29-Dec-2017
CFEBD100A	Column Location Plan - IFA	35	19-Dec-2017 A	05-Feb-2018 A		13-Nov-2017	29-Dec-2017
CFEBD110A	Framing Plan & Elevations - IFA	46	19-Dec-2017 A	05-Feb-2018 A		13-Nov-2017	15-Jan-2018
CFEBD130A	Foundation Reinforcement Details - IFA	35	19-Dec-2017 A	05-Feb-2018 A		13-Nov-2017	29-Dec-2017
CFEBD140A	Ground Slab Reinforcement Details - IFA	25	26-Dec-2017 A	05-Feb-2018 A		20-Nov-2017	22-Dec-2017
CFEBD010A	Basement & Ground Floor Plan- IFA	31	26-Dec-2017 A	05-Feb-2018 A		20-Nov-2017	01-Jan-2018
CFEBD020A	Crane Runway Plan - IFA	31	26-Dec-2017 A	05-Feb-2018 A		20-Nov-2017	01-Jan-2018
CFEBD030A	Roof Plan - IFA	31	26-Dec-2017 A	05-Feb-2018 A		20-Nov-2017	01-Jan-2018
CFEBD040A	Elevations - IFA	31	26-Dec-2017 A	05-Feb-2018 A		20-Nov-2017	01-Jan-2018
CFEBD050A	Section Details - IFA	31	26-Dec-2017 A	05-Feb-2018 A		26-Dec-2017	06-Feb-2018
CFEBD070A	Misc. Architecture Details - IFA	31	26-Dec-2017 A	05-Feb-2018 A		20-Nov-2017	01-Jan-2018
CFEBD150A	GIS Trench Cover Plan - IFA	27	18-Jan-2018 A	22-Feb-2018 A		20-Nov-2017	27-Dec-2017
CFEBD160A	GIS Crane Girder Details - IFA	27	18-Jan-2018 A	22-Feb-2018 A		18-Jan-2018	23-Feb-2018
OWNER'S REVIEW & APPROVAL		59	23-Dec-2017 A	11-Sep-2018 A		23-Dec-2017	19-Feb-2018



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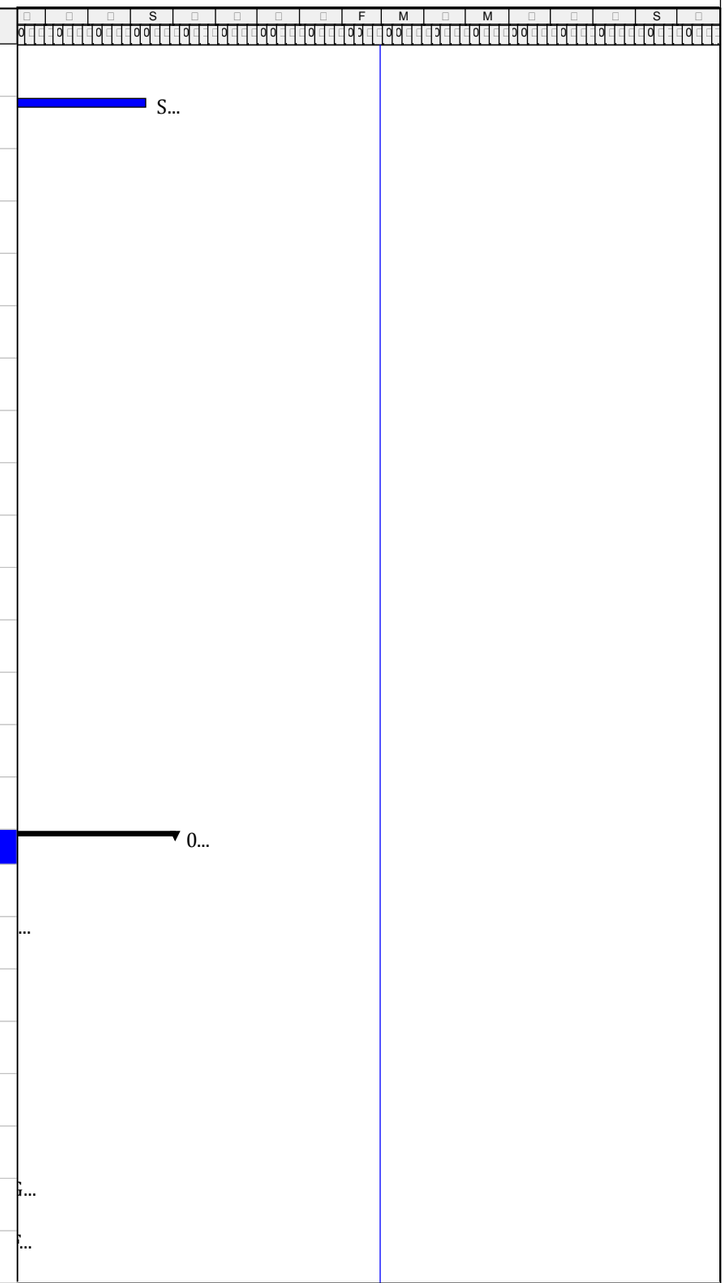
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CFEBD140B	Ground Slab Reinforcement Details - Owner's Review	14	23-Dec-2017 A	13-Mar-2018 A		23-Dec-2017	05-Jan-2018
CFEBD170B	Structural Calculation of Building - Owner's Review	14	26-Dec-2017 A	11-Sep-2018 A		06-Feb-2018	19-Feb-2018
CFEBD090B	Foundation Location Plan - Owner's Review	14	30-Dec-2017 A	12-Feb-2018 A		30-Dec-2017	12-Jan-2018
CFEBD100B	Column Location Plan - Owner's Review	14	30-Dec-2017 A	13-Mar-2018 A		30-Dec-2017	12-Jan-2018
CFEBD130B	Foundation Reinforcement Details - Owner's Review	14	30-Dec-2017 A	13-Mar-2018 A		30-Dec-2017	12-Jan-2018
CFEBD010B	Basement & Ground Floor Plan-Owner's Review	14	02-Jan-2018 A	13-Mar-2018 A		02-Jan-2018	15-Jan-2018
CFEBD020B	Crane Runway Plan - Owner's Review	14	02-Jan-2018 A	13-Mar-2018 A		02-Jan-2018	15-Jan-2018
CFEBD030B	Roof Plan - Owner's Review	14	02-Jan-2018 A	13-Mar-2018 A		02-Jan-2018	15-Jan-2018
CFEBD040B	Elevations - Owner's Review	14	02-Jan-2018 A	13-Mar-2018 A		02-Jan-2018	15-Jan-2018
CFEBD050B	Section Details - Owner's Review	14	02-Jan-2018 A	13-Mar-2018 A		02-Jan-2018	15-Jan-2018
CFEBD110B	Framing Plan & Elevations - Owner's Review	14	16-Jan-2018 A	13-Mar-2018 A		16-Jan-2018	29-Jan-2018
CFEBD080B	GIS & Control Building Pile location Plan - Owner's Review	14	27-Jan-2018 A	13-Mar-2018 A		27-Jan-2018	09-Feb-2018
CFEBD070B	Misc. Architecture Details - Owner's Review	14	06-Feb-2018 A	01-Apr-2018 A		02-Jan-2018	15-Jan-2018
CFEBD150B	GIS Trench Cover Plan - Owner's Review	14	24-Feb-2018 A	01-Apr-2018 A		28-Dec-2017	10-Jan-2018
CFEBD160B	GIS Crane Girder Details - Owner's Review	14	24-Feb-2018 A	01-Apr-2018 A		28-Dec-2017	10-Jan-2018
ISSUANCE FOR CONSTRUCTION (IFC)		145	25-Feb-2018 A	02-Oct-2018 A		05-Jan-2018	30-Jul-2018
CFEBD150C	GIS Trench Cover Plan - IFC	24	25-Feb-2018 A	09-Mar-2018 A		10-Jan-2018	13-Feb-2018
CFEBD010C	Basement & Ground Floor Plan-for IFC	16	13-Mar-2018 A	24-May-2018 A		15-Jan-2018	06-Feb-2018
CFEBD020C	Crane Runway Plan - IFC	16	13-Mar-2018 A	04-May-2018 A		15-Jan-2018	06-Feb-2018
CFEBD030C	Roof Plan - IFC	16	13-Mar-2018 A	04-May-2018 A		15-Jan-2018	06-Feb-2018
CFEBD040C	Elevations - IFC	16	13-Mar-2018 A	04-May-2018 A		15-Jan-2018	06-Feb-2018
CFEBD050C	Section Details - IFC	16	13-Mar-2018 A	15-May-2018 A		15-Jan-2018	06-Feb-2018
CFEBD080C	GIS & Control Building Pile location Plan - IFC	30	13-Mar-2018 A	28-May-2018 A		09-Feb-2018	23-Mar-2018
CFEBD090C	Foundation Location Plan - IFC	33	13-Mar-2018 A	28-May-2018 A		12-Jan-2018	28-Feb-2018



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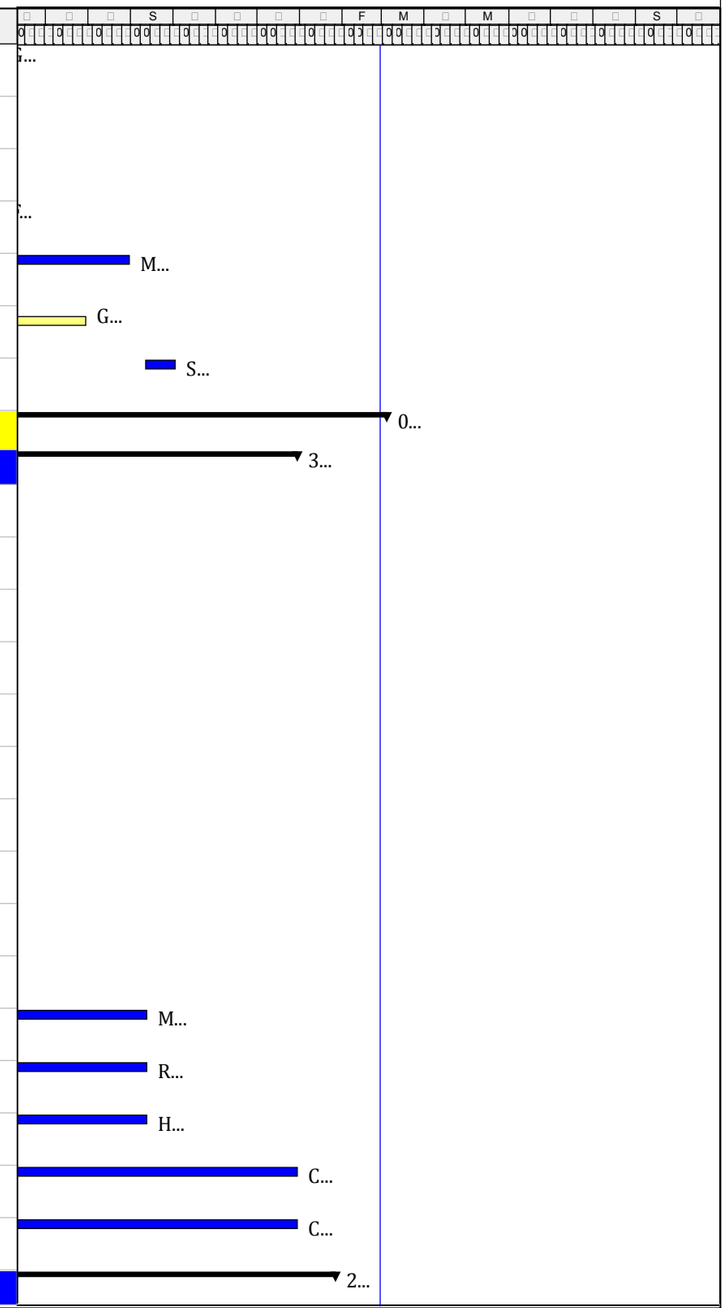
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CFEBD140C	Ground Slab Reinforcement Details - IFC	22	14-Mar-2018 A	28-May-2018 A		05-Jan-2018	06-Feb-2018
CFEBD100C	Column Location Plan - IFC	33	14-Mar-2018 A	14-Apr-2018 A		12-Jan-2018	28-Feb-2018
CFEBD110C	Framing Plan & Elevations - IFC	22	14-Mar-2018 A	14-Apr-2018 A		29-Jan-2018	28-Feb-2018
CFEBD130C	Foundation Reinforcement Details - IFC	32	14-Mar-2018 A	28-May-2018 A		21-Feb-2018	05-Apr-2018
CFEBD070C	Misc. Architecture Details - IFC	21	02-Apr-2018 A	30-Aug-2018 A		15-Jan-2018	13-Feb-2018
CFEBD160C	GIS Crane Girder Details - IFC	82	05-Apr-2018 A	05-May-2018 A		05-Apr-2018	30-Jul-2018
CFEBD170C	Structural Calculation of Building - IFC	33	11-Sep-2018 A	02-Oct-2018 A		19-Feb-2018	05-Apr-2018
Electrical		458	01-Nov-2017 A	05-Mar-2019	170	01-Nov-2017	09-Jan-2019
PREPARATION & ISSUANCE FOR APPROVAL (IFA)		216	01-Nov-2017 A	30-Dec-2018 A		01-Nov-2017	05-Jun-2018
CFEEL010A	500kv Single Line Diagram - IFA	64	01-Nov-2017 A	30-Jan-2018 A		01-Nov-2017	29-Jan-2018
CFEEL020A	220kv Single Line Diagram - IFA	66	01-Nov-2017 A	29-Jan-2018 A		01-Nov-2017	31-Jan-2018
CFEEL030A	Protection & Metering Single Line Diagram - IFA	75	08-Nov-2017 A	21-Feb-2018 A		08-Nov-2017	21-Feb-2018
CFEEL040A	Key Single Line Diagram for LV AC/DC - IFA	64	16-Nov-2017 A	13-Feb-2018 A		16-Nov-2017	13-Feb-2018
CFEEL050A	Equipment Layout & Section - IFA	39	30-Nov-2017 A	13-Feb-2018 A		17-Nov-2017	10-Jan-2018
CFEEL060A	GIS & Control Building Panel Arrangement - IFA	39	30-Nov-2017 A	13-Feb-2018 A		17-Nov-2017	10-Jan-2018
CFEEL070A	Trench & Tray Layout & Section - IFA	25	30-Nov-2017 A	13-Feb-2018 A		06-Feb-2018	12-Mar-2018
CFEEL080A	Lightning Protection Layout & Section - IFA	84	30-Nov-2017 A	24-Feb-2018 A		30-Nov-2017	27-Mar-2018
CFEEL090A	Grounding Layout and Installation Detail - IFA	58	02-Jan-2018 A	14-Feb-2018 A		02-Nov-2017	23-Jan-2018
CFEEL100A	Electrical Load List - IFA	22	02-Jan-2018 A	31-Jan-2018 A		19-Feb-2018	21-Mar-2018
CFEEL130A	Misc. Calculations - IFA	35	19-Feb-2018 A	12-Sep-2018 A		19-Feb-2018	06-Apr-2018
CFEEL110A	Relay Setting Calculation - IFA	30	07-May-2018 A	12-Sep-2018 A		24-Apr-2018	05-Jun-2018
CFEEL120A	HV Cable Sizing Calculation - IFA	30	07-May-2018 A	12-Sep-2018 A		24-Apr-2018	05-Jun-2018
CFEEL140A	Cable Block Diagram - IFA	72	07-Jun-2018 A	30-Dec-2018 A		06-Feb-2018	19-Apr-2018
CFEEL150A	Cable Schedule & Interconnection Table - IFA	40	07-Jun-2018 A	30-Dec-2018 A		20-Apr-2018	30-May-2018
OWNER'S REVIEW & APPROVAL		159	30-Nov-2017 A	27-Jan-2019 A		11-Jan-2018	19-Jun-2018



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CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
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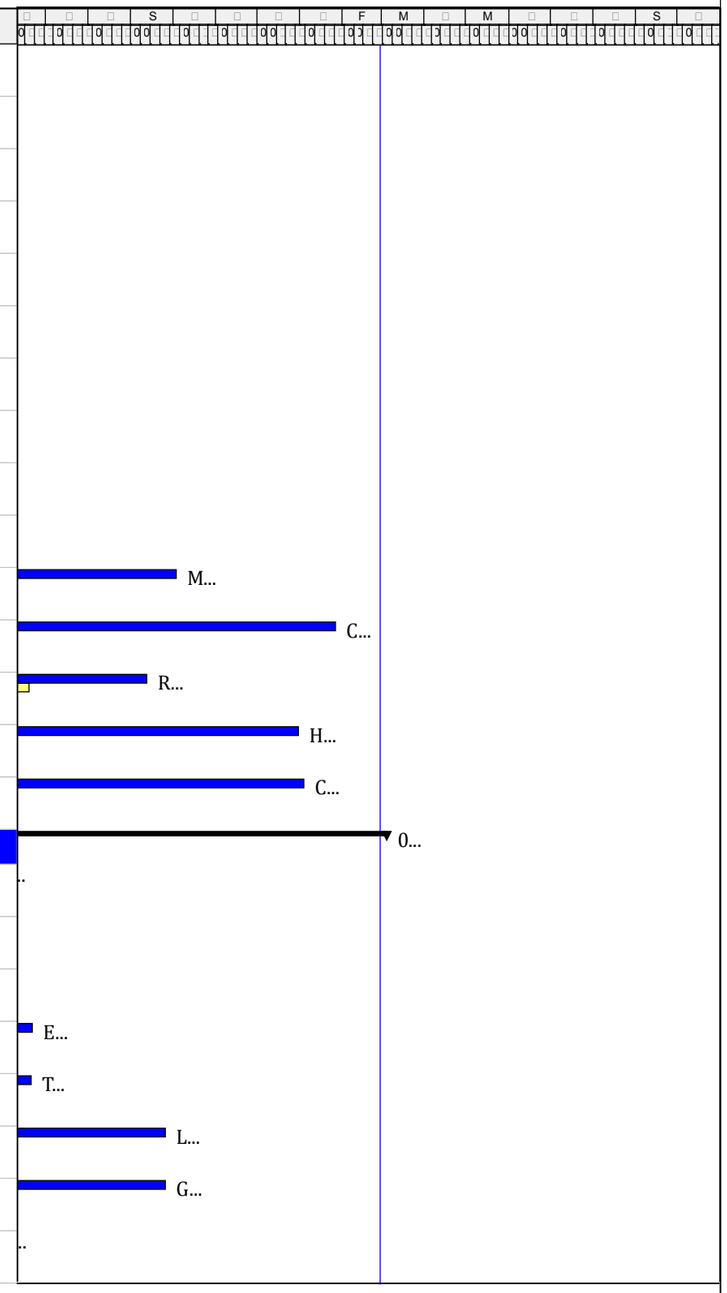
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CFEEL010B	500kv Single Line Diagram - Owner's Review	14	30-Nov-2017 A	18-Feb-2018 A		30-Jan-2018	12-Feb-2018
CFEEL020B	220kv Single Line Diagram - Owner's Review	14	30-Nov-2017 A	18-Feb-2018 A		01-Feb-2018	14-Feb-2018
CFEEL030B	Protection & Metering Single Line Diagram - Owner's Review	14	27-Dec-2017 A	23-Jan-2018 A		22-Feb-2018	07-Mar-2018
CFEEL050B	Equipment Layout & Section - Owner's Review	14	27-Dec-2017 A	14-Mar-2018 A		11-Jan-2018	24-Jan-2018
CFEEL060B	GIS & Control Building Panel Arrangement - Owner's Review	14	27-Dec-2017 A	26-Mar-2018 A		11-Jan-2018	24-Jan-2018
CFEEL070B	Trench & Tray Layout & Section - Owner's Review	14	27-Dec-2017 A	21-Mar-2018 A		13-Mar-2018	26-Mar-2018
CFEEL080B	Lightning Protection Layout & Section - Owner's Review	14	27-Dec-2017 A	21-Mar-2018 A		15-Mar-2018	28-Mar-2018
CFEEL100B	Electrical Load List - Owner's Review	14	01-Feb-2018 A	18-Feb-2018 A		21-Mar-2018	04-Apr-2018
CFEEL090B	Grounding Layout and Installation Detail - Owner's Review	14	15-Feb-2018 A	26-Mar-2018 A		24-Jan-2018	06-Feb-2018
CFEEL040B	Key Single Line Diagram for LV AC/DC - Owner's Review	14	05-Mar-2018 A	12-Apr-2018 A		14-Feb-2018	27-Feb-2018
CFEEL130B	Misc. Calculations - Owner's Review	14	07-Apr-2018 A	03-Oct-2018 A		07-Apr-2018	20-Apr-2018
CFEEL150B	Cable Schedule & Interconnection Table - Owner's Review	5	07-May-2018 A	27-Jan-2019 A		31-May-2018	05-Jun-2018
CFEEL110B	Relay Setting Calculation - Owner's Review	14	07-May-2018 A	12-Sep-2018 A		05-Jun-2018	19-Jun-2018
CFEEL120B	HV Cable Sizing Calculation - Owner's Review	5	07-May-2018 A	31-Dec-2018 A		05-Jun-2018	10-Jun-2018
CFEEL140B	Cable Block Diagram - Owner's Review	5	07-May-2018 A	03-Jan-2019 A		20-Apr-2018	25-Apr-2018
ISSUANCE FOR CONSTRUCTION (IFC)		374	24-Jan-2018 A	05-Mar-2019	170	24-Jan-2018	09-Jan-2019
CFEEL030C	Protection & Metering Single Line Diagram - IFC	40	24-Jan-2018 A	23-May-2018 A		07-Mar-2018	02-May-2018
CFEEL020C	220kv Single Line Diagram - IFC	43	18-Feb-2018 A	18-Apr-2018 A		14-Feb-2018	16-Apr-2018
CFEEL010C	500kv Single Line Diagram - IFC	49	19-Feb-2018 A	24-Apr-2018 A		12-Feb-2018	20-Apr-2018
CFEEL050C	Equipment Layout & Section - IFC	28	15-Mar-2018 A	21-Jun-2018 A		24-Jan-2018	05-Mar-2018
CFEEL070C	Trench & Tray Layout & Section - IFC	18	15-Mar-2018 A	20-Jun-2018 A		26-Mar-2018	19-Apr-2018
CFEEL080C	Lightning Protection Layout & Section - IFC	25	22-Mar-2018 A	25-Sep-2018 A		28-Mar-2018	02-May-2018
CFEEL090C	Grounding Layout and Installation Detail - IFC	14	22-Mar-2018 A	25-Sep-2018 A		06-Feb-2018	26-Feb-2018
CFEEL060C	GIS & Control Building Panel Arrangement - IFC	25	27-Mar-2018 A	21-May-2018 A		29-Jan-2018	05-Mar-2018



Primary Baseline
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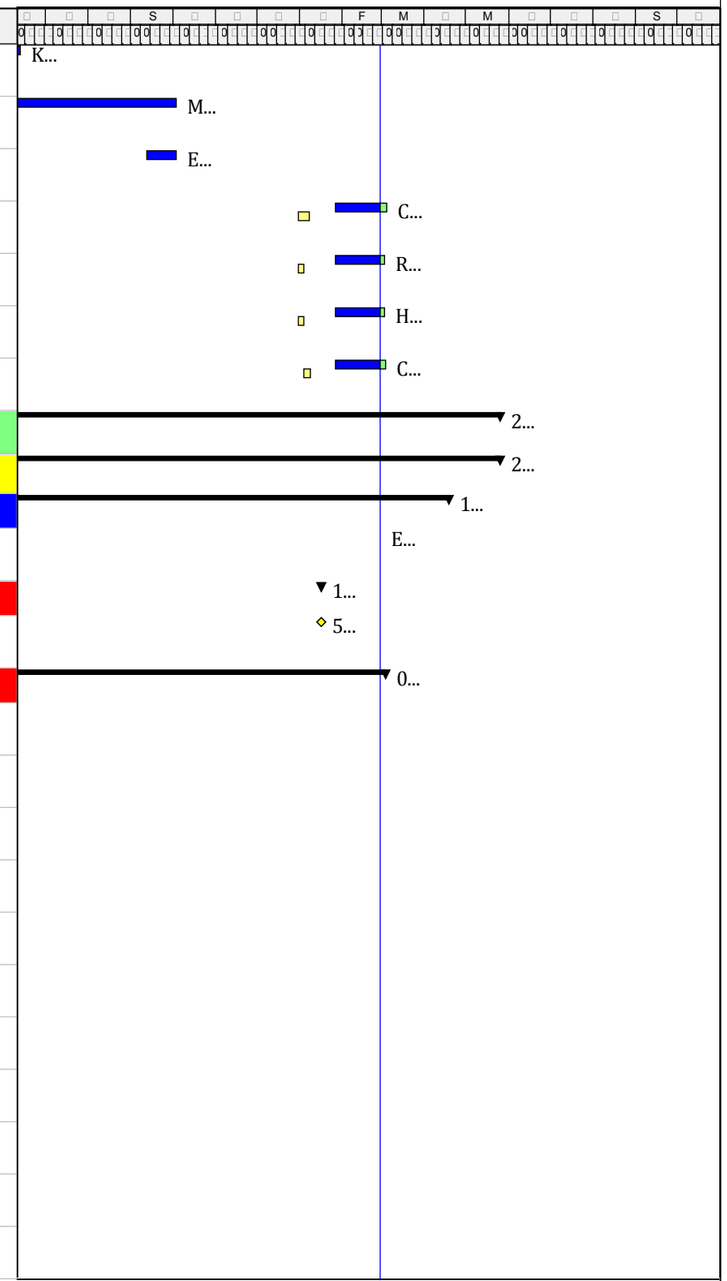
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CFEEL040C	Key Single Line Diagram for LV AC/DC - IFC	8	12-Apr-2018 A	12-Jun-2018 A		27-Feb-2018	09-Mar-2018
CFEEL130C	Misc. Calculations - IFC	11	20-Apr-2018 A	03-Oct-2018 A		20-Apr-2018	07-May-2018
CFEEL100C	Electrical Load List - IFC	14	12-Sep-2018 A	03-Oct-2018 A		04-Apr-2018	24-Apr-2018
CFEEL150C	Cable Schedule & Interconnection Table - IFC	7	27-Jan-2019 A	05-Mar-2019	49	31-Dec-2018	08-Jan-2019
CFEEL110C	Relay Setting Calculation - IFC	4	27-Jan-2019 A	03-Mar-2019	54	31-Dec-2018	03-Jan-2019
CFEEL120C	HV Cable Sizing Calculation - IFC	4	27-Jan-2019 A	03-Mar-2019	50	31-Dec-2018	03-Jan-2019
CFEEL140C	Cable Block Diagram - IFC	4	27-Jan-2019 A	04-Mar-2019	41	03-Jan-2019	09-Jan-2019
Procurement		565	10-Nov-2017 A	26-May-2019	88	06-Nov-2017	08-Jun-2019
LONG LEAD TIME MATERIALS		565	10-Nov-2017 A	26-May-2019	88	06-Nov-2017	08-Jun-2019
REQUEST FOR QUOTATION (RFQ) & PLACING PURCHASE ORDERS (P/O)		527	10-Nov-2017 A	18-Apr-2019	113	06-Nov-2017	09-Jan-2019
CFPEL103A10	ELECTRICAL MATERIALS PROCUREMENT	99	15-Nov-2017 A	28-Feb-2019	163	06-Nov-2017	12-Feb-2018
STEEL STRUCTURE		0	17-Jan-2019 A	17-Jan-2019 A		31-Dec-2018	31-Dec-2018
CFPST126A	500kv Steel Gantries (take-off tower) - P/O	0		17-Jan-2019 A			31-Dec-2018
ELECTRICAL		482	10-Nov-2017 A	04-Mar-2019	159	06-Nov-2017	09-Jan-2019
CFPEL108A	500/220kv Tie Transformer - P/O	0		10-Nov-2017 A			06-Nov-2017
CFPEL101A	220kv Gas Insulated Switchgear (GIS) - P/O	0		15-Nov-2017 A			06-Nov-2017
CFPEL103A	500kv Gas Insulated Switchgear (GIS) - P/O	0		15-Nov-2017 A			06-Nov-2017
CFPEL111A	Switchyard AC and DC Service Station System - P/O	0		05-Mar-2018 A			20-Feb-2018
CFPEL127A	Switchyard Building Crane System - P/O	0		16-Mar-2018 A			06-Dec-2017
CFPEL115A	Communication System for 500kv Switchyard - P/O	0		05-Apr-2018 A			05-Apr-2018
CFPEL116A	Communication System for 220kv Switchyard - P/O	0		05-Apr-2018 A			15-Feb-2018
CFPEL117A	Telephone System - P/O	0		05-Apr-2018 A			19-Feb-2018
CFPEL113A	Protection and Metering Systems (500kv) - P/O	0		27-Apr-2018 A			01-May-2018
CFPEL112A	Protection and Metering Systems (220kv) - P/O	0		27-Apr-2018 A			20-Apr-2018
CFPEL114A	Substation Automation Systems (SAS) - P/O	0		27-Apr-2018 A			15-Feb-2018



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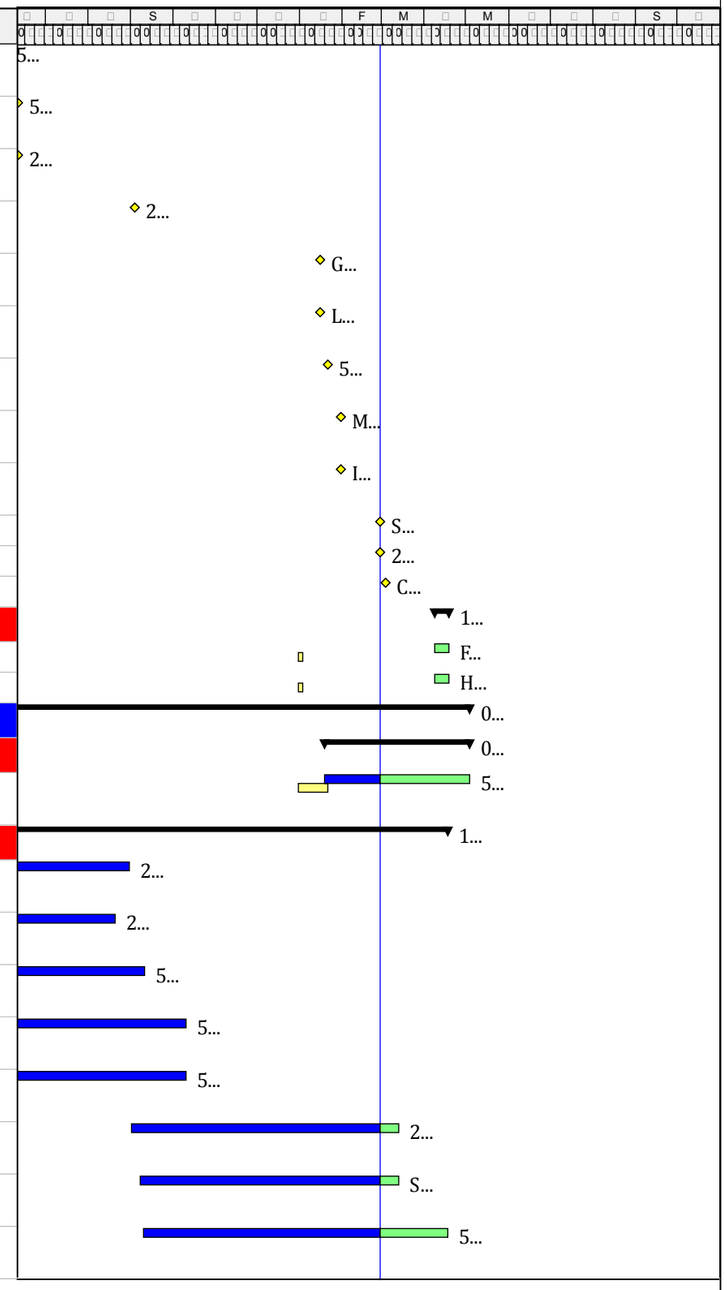
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CFPEL106A	500kv Air Surge Arresters - P/O	0		02-Jun-2018 A			30-Apr-2018
CFPEL125A	500kv Line Traps and CCVT - P/O	0		11-Jun-2018 A			30-Apr-2018
CFPEL124A	220kv Line Traps - P/O	0		11-Jun-2018 A			23-Apr-2018
CFPEL107A	220kv XLPE/SF6 Sealing End Terminations - P/O	0		04-Sep-2018 A			31-Dec-2018
CFPEL118A	Grounding System - P/O	0		16-Jan-2019 A			31-Dec-2018
CFPEL119A	Lightning Protection System - P/O	0		16-Jan-2019 A			31-Dec-2018
CFPEL105A	500kv Outdoor Air-Insulated Equipment - P/O	0		21-Jan-2019 A			31-Dec-2018
CFPEL122A	Marshalling Cabinet - P/O	0		30-Jan-2019 A			03-Jan-2019
CFPEL123A	Interface Unit Panel - P/O	0		30-Jan-2019 A			03-Jan-2019
CFPEL121A	Switchyard Lighting System and Power Distribution System - P/O	0		28-Feb-2019	163		31-Dec-2018
CFPEL110A	220kv Power Cable - P/O	0		28-Feb-2019	37		31-Dec-2018
CFPEL120A	Cables & Cable Raceways - P/O	0		04-Mar-2019	41		09-Jan-2019
ELECTROMECHANICAL		10	08-Apr-2019	18-Apr-2019	78	31-Dec-2018	03-Jan-2019
CFPEL128A	Fire Fighting System	10	08-Apr-2019	18-Apr-2019	63	31-Dec-2018	03-Jan-2019
CFPEL129	HVAC System	10	08-Apr-2019	18-Apr-2019	78	31-Dec-2018	03-Jan-2019
MANUFACTURING STAGE		492	16-Nov-2017 A	04-May-2019	108	06-Nov-2017	21-Jan-2019
STEEL STRUCTURE		20	19-Jan-2019 A	04-May-2019	19	31-Dec-2018	21-Jan-2019
CFPST126B	500kv Steel Gantries (take-off tower) - MFG	20	19-Jan-2019 A	04-May-2019	19	31-Dec-2018	21-Jan-2019
ELECTRICAL		492	16-Nov-2017 A	18-Apr-2019	124	06-Nov-2017	21-Jan-2019
CFPEL101B	220kv Gas Insulated Switchgear (GIS) - MFG	60	16-Nov-2017 A	30-Aug-2018 A		06-Nov-2017	04-Jan-2018
CFPEL102B	220kv Gas Insulated Bus Duct (GIB) - MFG	60	16-Nov-2017 A	20-Aug-2018 A		06-Nov-2017	04-Jan-2018
CFPEL108B	500/220kv Tie Transformer - MFG	60	21-Nov-2017 A	10-Sep-2018 A		06-Nov-2017	04-Jan-2018
CFPEL103B	500kv Gas Insulated Switchgear (GIS) - MFG	60	22-Nov-2017 A	10-Oct-2018 A		06-Nov-2017	04-Jan-2018
CFPEL104B	500kv Gas Insulated Bus Duct (GIB) - MFG	60	22-Nov-2017 A	10-Oct-2018 A		06-Nov-2017	04-Jan-2018
CFPEL124B	220kv Line Traps - MFG	10	01-Sep-2018 A	14-Mar-2019	50	23-Apr-2018	03-May-2018
CFPEL111B	Switchyard AC and DC Service Station System - MFG	10	07-Sep-2018 A	14-Mar-2019	27	20-Feb-2018	02-Mar-2018
CFPEL125B	500kv Line Traps and CCVT - MFG	10	10-Sep-2018 A	18-Apr-2019	17	01-May-2018	11-May-2018



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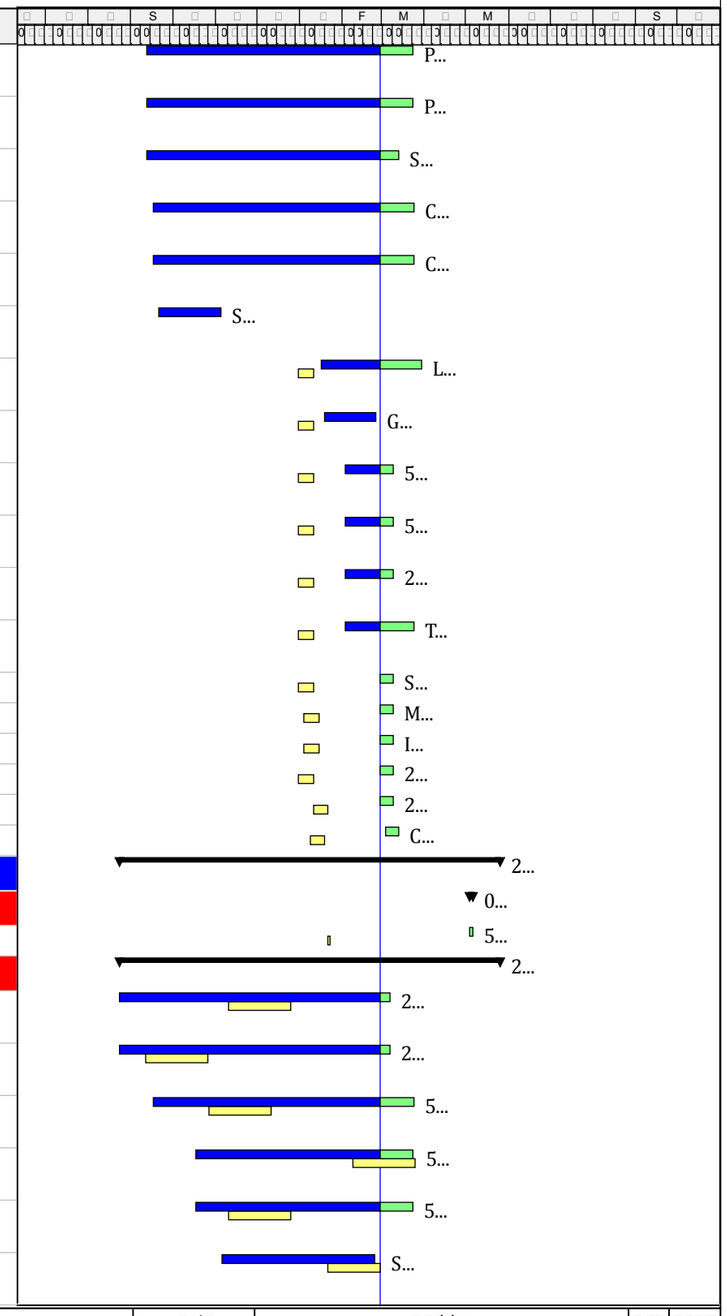
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CFPEL113B	Protection and Metering Systems (500kv) - MFG	10	12-Sep-2018 A	24-Mar-2019	79	01-May-2018	11-May-2018
CFPEL112B	Protection and Metering Systems (220kv) - MFG	10	12-Sep-2018 A	24-Mar-2019	16	20-Apr-2018	30-Apr-2018
CFPEL114B	Substation Automation Systems (SAS) - MFG	10	12-Sep-2018 A	14-Mar-2019	104	15-Feb-2018	25-Feb-2018
CFPEL115B	Communication System for 500kv Switchyard - MFG	10	17-Sep-2018 A	25-Mar-2019	102	02-Mar-2018	12-Mar-2018
CFPEL116B	Communication System for 220kv Switchyard - MFG	10	17-Sep-2018 A	25-Mar-2019	53	15-Feb-2018	25-Feb-2018
CFPEL127B	Switchyard Building Crane System - MFG	12	21-Sep-2018 A	05-Nov-2018 A		06-Dec-2017	18-Dec-2017
CFPEL119B	Lightning Protection System - MFG	10	17-Jan-2019 A	30-Mar-2019	31	31-Dec-2018	11-Jan-2019
CFPEL118B	Grounding System - MFG	10	19-Jan-2019 A	25-Feb-2019 A		31-Dec-2018	11-Jan-2019
CFPEL105B	500kv Outdoor Air-Insulated Equipment - MFG	10	03-Feb-2019 A	10-Mar-2019	53	31-Dec-2018	11-Jan-2019
CFPEL106B	500kv Air Surge Arresters - MFG	10	03-Feb-2019 A	10-Mar-2019	32	31-Dec-2018	11-Jan-2019
CFPEL107B	220kv XLPE/SF6 Sealing End Terminations - MFG (1st)	10	03-Feb-2019 A	10-Mar-2019	64	31-Dec-2018	11-Jan-2019
CFPEL117B	Telephone System - MFG	10	03-Feb-2019 A	25-Mar-2019	102	31-Dec-2018	11-Jan-2019
CFPEL121B	Switchyard Lighting System and Power Distribution System - MFG	10	28-Feb-2019	10-Mar-2019	163	31-Dec-2018	11-Jan-2019
CFPEL122B	Marshalling Cabinet - MFG	10	28-Feb-2019	10-Mar-2019	54	03-Jan-2019	14-Jan-2019
CFPEL123B	Interface Unit Panel - MFG	10	28-Feb-2019	10-Mar-2019	57	03-Jan-2019	14-Jan-2019
CFPEL110B	220kv Power Cable - MFG	10	28-Feb-2019	10-Mar-2019	37	31-Dec-2018	11-Jan-2019
CFPEL107D	220kv XLPE/SF6 Sealing End Terminations - MFG (2nd)	10	28-Feb-2019	10-Mar-2019	64	11-Jan-2019	21-Jan-2019
CFPEL120B	Cables & Cable Raceways - MFG	10	04-Mar-2019	14-Mar-2019	41	09-Jan-2019	19-Jan-2019
(TESTING - SHIPPING - DELIVERY) STAGE		256	23-Aug-2018 A	26-May-2019	88	11-Sep-2018	08-Jun-2019
STEEL STRUCTURE		2	04-May-2019	06-May-2019	19	21-Jan-2019	23-Jan-2019
CFPST126C	500kv Steel Gantries (take-off tower) - DEL	2	04-May-2019	06-May-2019	19	21-Jan-2019	23-Jan-2019
ELECTRICAL		256	23-Aug-2018 A	26-May-2019	88	11-Sep-2018	08-Jun-2019
CFPEL102C	220kv Gas Insulated Bus Duct (GIB) - DEL	45	23-Aug-2018 A	07-Mar-2019	85	10-Nov-2018	25-Dec-2018
CFPEL101C	220kv Gas Insulated Switchgear (GIS) - DEL	45	23-Aug-2018 A	07-Mar-2019	42	11-Sep-2018	26-Oct-2018
CFPEL108C	500/220kv Tie Transformer - DEL	45	17-Sep-2018 A	25-Mar-2019	49	27-Oct-2018	11-Dec-2018
CFPEL104C	500kv Gas Insulated Bus Duct (GIB) - DEL	45	18-Oct-2018 A	24-Mar-2019	61	08-Feb-2019	25-Mar-2019
CFPEL103C	500kv Gas Insulated Switchgear (GIS) - DEL	45	18-Oct-2018 A	24-Mar-2019	61	10-Nov-2018	25-Dec-2018
CFPEL127C	Switchyard Building Crane System - DEL	38	06-Nov-2018 A	24-Feb-2019 A		21-Jan-2019	28-Feb-2019



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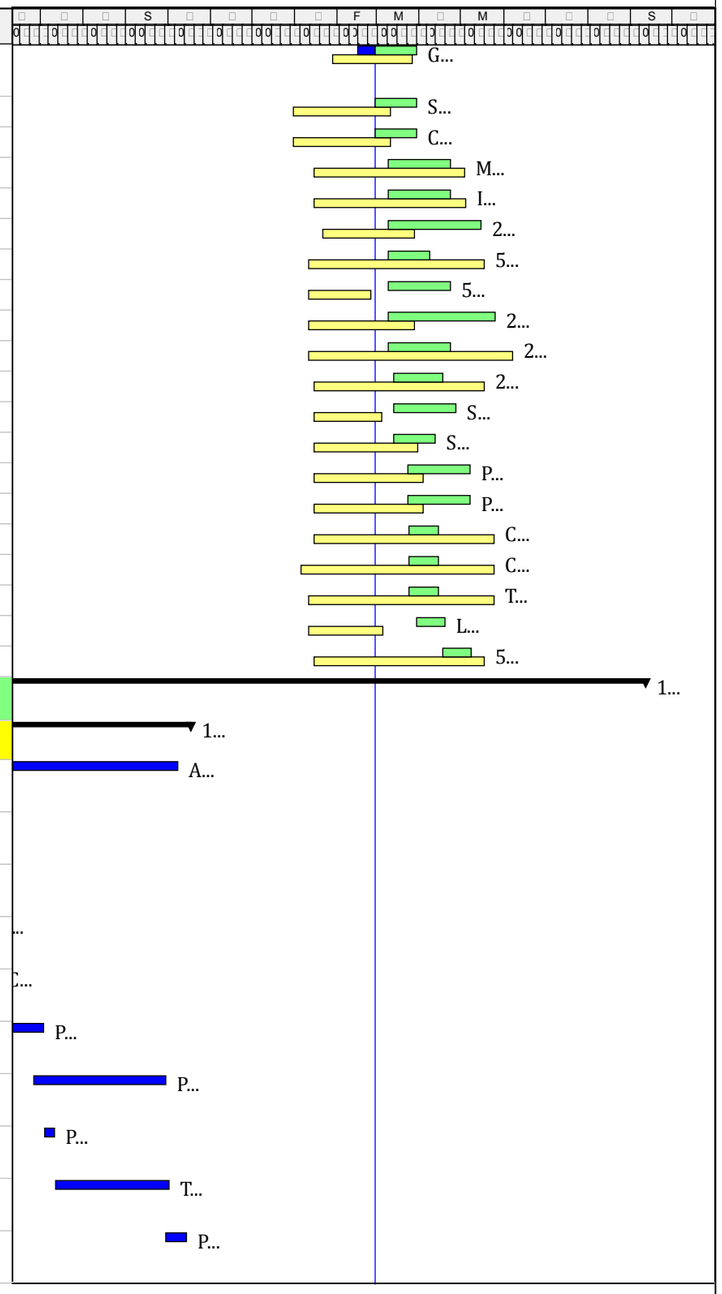
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CFPEL118C	Grounding System - DEL	57	16-Feb-2019 A	30-Mar-2019	145	28-Jan-2019	27-Mar-2019
CFPEL121C	Switchyard Lighting System and Power Distribution System - DEL	30	28-Feb-2019	30-Mar-2019	145	31-Dec-2018	11-Mar-2019
CFPEL120C	Cables & Cable Raceways - DEL	30	28-Feb-2019	30-Mar-2019	28	31-Dec-2018	11-Mar-2019
CFPEL122C	Marshalling Cabinet - DEL	45	10-Mar-2019	24-Apr-2019	54	14-Jan-2019	04-May-2019
CFPEL123C	Interface Unit Panel - DEL	45	10-Mar-2019	24-Apr-2019	57	15-Jan-2019	04-May-2019
CFPEL107E	220kv XLPE/SF6 Sealing End Terminations - DEL (2nd)	67	10-Mar-2019	16-May-2019	64	21-Jan-2019	29-Mar-2019
CFPEL105C	500kv Outdoor Air-Insulated Equipment - DEL	30	10-Mar-2019	09-Apr-2019	53	11-Jan-2019	18-May-2019
CFPEL106C	500kv Air Surge Arresters - DEL	45	10-Mar-2019	24-Apr-2019	32	11-Jan-2019	25-Feb-2019
CFPEL107C	200kv XLPE/SF6 Sealing End Terminations - DEL (1st)	77	10-Mar-2019	26-May-2019	88	11-Jan-2019	29-Mar-2019
CFPEL110C	220kv Power Cable - DEL	45	10-Mar-2019	24-Apr-2019	37	11-Jan-2019	08-Jun-2019
CFPEL124C	220kv Line Traps - DEL	35	14-Mar-2019	18-Apr-2019	50	15-Jan-2019	18-May-2019
CFPEL111C	Switchyard AC and DC Service Station System - DEL	45	14-Mar-2019	28-Apr-2019	27	15-Jan-2019	05-Mar-2019
CFPEL114C	Substation Automation Systems (SAS) - DEL	30	14-Mar-2019	13-Apr-2019	104	15-Jan-2019	31-Mar-2019
CFPEL113C	Protection and Metering Systems (500kv) - DEL	45	24-Mar-2019	08-May-2019	79	15-Jan-2019	04-Apr-2019
CFPEL112C	Protection and Metering Systems (220kv) - DEL	45	24-Mar-2019	08-May-2019	16	15-Jan-2019	04-Apr-2019
CFPEL115C	Communication System for 500kv Switchyard - DEL	21	25-Mar-2019	15-Apr-2019	102	15-Jan-2019	25-May-2019
CFPEL116C	Communication System for 220kv Switchyard - DEL	21	25-Mar-2019	15-Apr-2019	53	05-Jan-2019	25-May-2019
CFPEL117C	Telephone System - DEL	21	25-Mar-2019	15-Apr-2019	102	11-Jan-2019	25-May-2019
CFPEL119C	Lightning Protection System - DEL	21	30-Mar-2019	20-Apr-2019	31	11-Jan-2019	06-Mar-2019
CFPEL125C	500kv Line Traps and CCVT - DEL	21	18-Apr-2019	09-May-2019	17	15-Jan-2019	18-May-2019
Construction Works		679	23-Dec-2017 A	11-Sep-2019	-21	01-Nov-2017	10-Aug-2019
Test Piles Testing & Results		212	23-Dec-2017 A	18-Oct-2018 A		01-Nov-2017	01-Jun-2018
CNCCV001	Approval and Award of Subcontractor for Civil Work	28	23-Dec-2017 A	08-Oct-2018 A		19-Nov-2017	17-Dec-2017
CNCCV002	Make Sample of Concrete	1	01-Apr-2018 A	03-Apr-2018 A		26-Feb-2018	27-Feb-2018
CNCCV003	Concrete Strength Test	2	04-Apr-2018 A	11-Apr-2018 A		01-Mar-2018	03-Mar-2018
CNCCV005	Drilling and Concrete	1	20-May-2018 A	23-May-2018 A		20-May-2018	21-May-2018
CNCCV006	Compression Test of Sample Concrete	2	27-May-2018 A	30-May-2018 A		24-May-2018	25-May-2018
CNCCV007	Preparation of "Test Pile" for Test (1st)	3	31-May-2018 A	03-Jul-2018 A		26-May-2018	29-May-2018
CNCCV009D	Production Pile Design (A&A) and Approval	20	26-Jun-2018 A	30-Sep-2018 A		01-Nov-2017	21-Nov-2017
CNCCV008	Pile tests (1st)	5	04-Jul-2018 A	11-Jul-2018 A		27-May-2018	01-Jun-2018
CNCCV009A	Test Result (A&A) and Approval (1st)	2	12-Jul-2018 A	02-Oct-2018 A		01-Nov-2017	02-Nov-2017
CNCCV009E10	Pile Test (2nd) - Lateral load, including preparation works and planning	7	30-Sep-2018 A	15-Oct-2018 A		01-Nov-2017	08-Nov-2017



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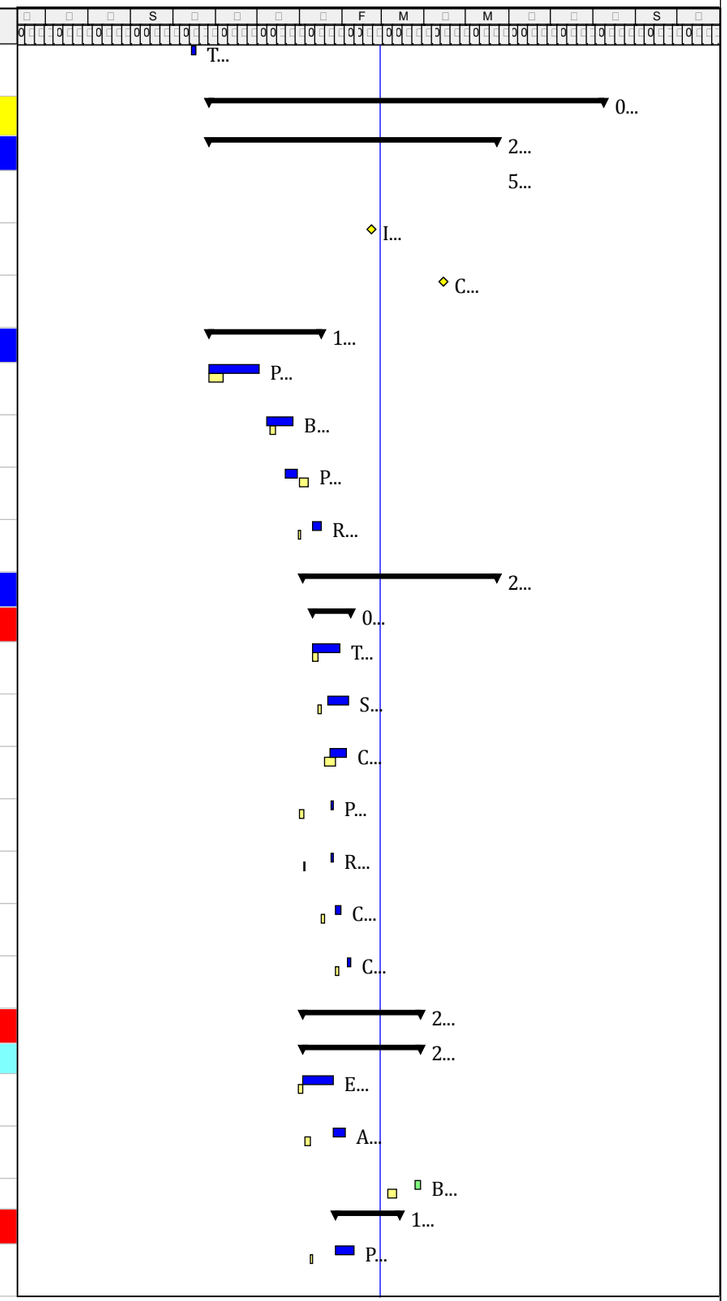
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCCV009E20	Test Result (A&A) and Approval (2nd)	2	15-Oct-2018 A	18-Oct-2018 A		01-Nov-2017	02-Nov-2017
Tie Transformer / Gas Insulated Bus Ducts		285	27-Oct-2018 A	09-Aug-2019	13	27-Oct-2018	10-Aug-2019
REVISED KEY DATES (MILESTONES)		124	27-Oct-2018 A	24-May-2019	90	10-Dec-2018	01-Apr-2019
CNCCV010L	500/220kV Tie Transformer Construction Works	54	27-Oct-2018 A	24-May-2019	90	10-Dec-2018	03-Feb-2019
EC2700	INCEPTION OF 500/220kV TR Foundations/Grounding Works, Steel Supports & Accessories	0	22-Feb-2019 A			21-Jan-2019	
EC2750	COMPLETION OF 500/220kV TR Foundations/Grounding Works, Steel Supports & Accessories	0		14-Apr-2019	129		01-Apr-2019
Piling Works		92	27-Oct-2018 A	17-Jan-2019 A		27-Oct-2018	07-Jan-2019
CNCCV010	Piling Works for the Tie Transformer Foundations	10	27-Oct-2018 A	03-Dec-2018 A		27-Oct-2018	06-Nov-2018
CNCCV081	Backfill works of the platform for the Rig M/C till receiving the approved level for initiating the piling works	4	08-Dec-2018 A	27-Dec-2018 A		10-Dec-2018	14-Dec-2018
CNCCV061	Piling Works for TR Maintenance Area Foundations	6	22-Dec-2018 A	30-Dec-2018 A		01-Jan-2019	07-Jan-2019
CNCCV120	Rigging, Obstacle Removal, Backfilling & Piling Works for the pile no.02	2	10-Jan-2019 A	17-Jan-2019 A		31-Dec-2018	01-Jan-2019
500/220kV TIE TRANSFORMER AREA		117	03-Jan-2019 A	24-May-2019	90	31-Dec-2018	27-Mar-2019
General Works & Testing		13	10-Jan-2019 A	07-Feb-2019 A		01-Jan-2019	29-Jan-2019
CNCCV051	Trimming of the piles till the approved cut-off level and removal of the debris to the dump	4	10-Jan-2019 A	30-Jan-2019 A		10-Jan-2019	14-Jan-2019
EC2710	Sonic Integrity Test & Results Report	3	21-Jan-2019 A	05-Feb-2019 A		14-Jan-2019	17-Jan-2019
EC2730	Carrying out Compression Loading Test & Results Report	8	23-Jan-2019 A	04-Feb-2019 A		19-Jan-2019	27-Jan-2019
CNCCV090	Preparation for conducting the required tests acc to the directions of the CM/Owner	3	24-Jan-2019 A	25-Jan-2019 A		01-Jan-2019	04-Jan-2019
CNCCV110	Receiving Test Results & Approval	1	24-Jan-2019 A	25-Jan-2019 A		04-Jan-2019	05-Jan-2019
EC2720	CM Review & Selection of Piles For Compression Loading Test	2	27-Jan-2019 A	31-Jan-2019 A		17-Jan-2019	19-Jan-2019
EC2740	CM Review & Approval of Compression Loading Test Results	2	04-Feb-2019 A	07-Feb-2019 A		27-Jan-2019	29-Jan-2019
Site Works		62	03-Jan-2019 A	29-Mar-2019	137	31-Dec-2018	12-Mar-2019
Earthworks		62	03-Jan-2019 A	29-Mar-2019	137	31-Dec-2018	12-Mar-2019
CNCCV020	Excavating till receiving (1.40m depth) underneath the approved foundation level and removal of surplus soil to the dump	3	03-Jan-2019 A	25-Jan-2019 A		31-Dec-2018	03-Jan-2019
CNCCV060	Applying (1.00m) thickness structural backfill layer	3	25-Jan-2019 A	03-Feb-2019 A		05-Jan-2019	09-Jan-2019
CNCCV026	Backfill works till receiving the approved (±0.00) level	4	25-Mar-2019	29-Mar-2019	137	06-Mar-2019	12-Mar-2019
Raft Footing		47	27-Jan-2019 A	14-Mar-2019	8	09-Jan-2019	10-Jan-2019
CNCCV021	Pouring a Plain Concrete Layer of 40cm thickness According to approved layouts & specs	1	27-Jan-2019 A	09-Feb-2019 A		09-Jan-2019	10-Jan-2019



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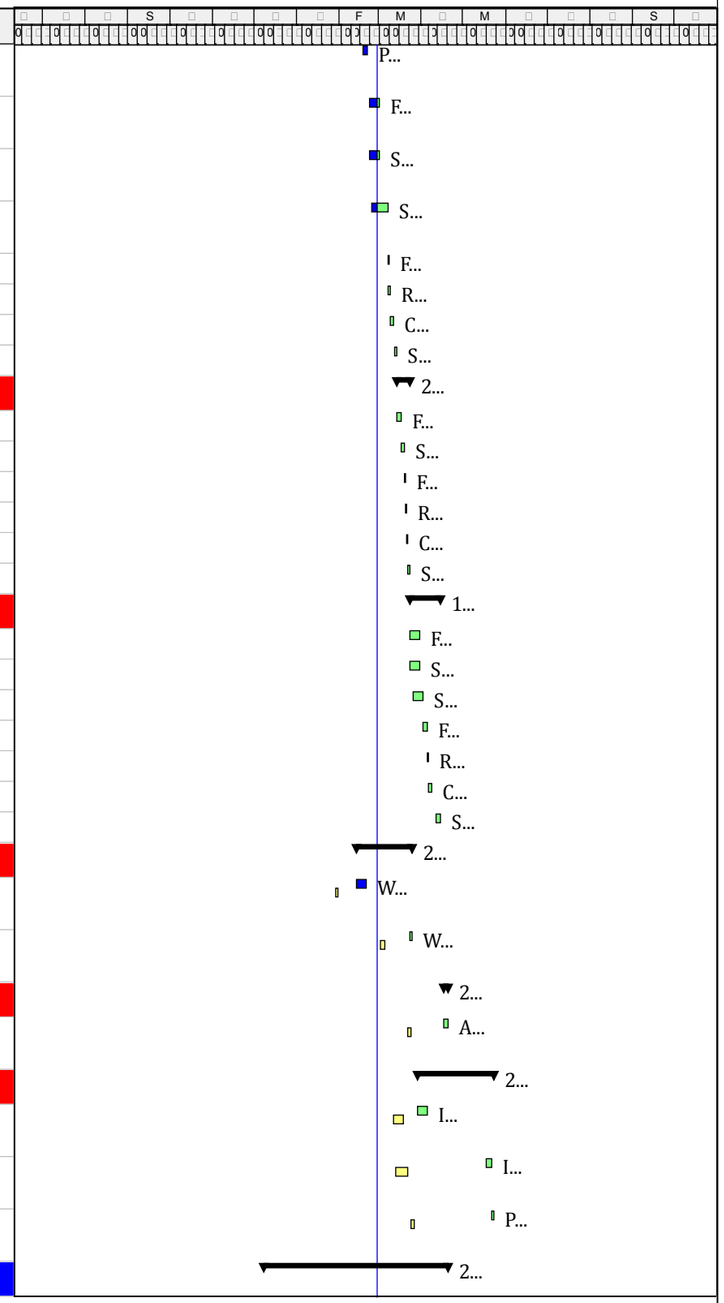
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCCV091	Pouring Structural Screed Layer	2	18-Feb-2019 A	21-Feb-2019 A			
EC4190	Formworks 1st. fix (Establishing Axes & Rough Carpentary)	3	23-Feb-2019 A	02-Mar-2019	8		
EC4200	Steel Fabrication (Cutting & Bending)	6	23-Feb-2019 A	02-Mar-2019	8		
EC4210	Steel Installation & Fixing	8	24-Feb-2019 A	08-Mar-2019	8		
EC4220	Formworks 2nd. fix (Fortification & Supporting)	1	08-Mar-2019	09-Mar-2019	8		
EC4230	Request For Inspection (RI)-PGESCo	2	08-Mar-2019	10-Mar-2019	8		
EC4240	Concrete Pouring & Curing	2	10-Mar-2019	12-Mar-2019	8		
EC4250	Stripping Formworks	2	13-Mar-2019	14-Mar-2019	8		
Piers & Outter Walls & Fireproof Walls Till LeveL (±0.00)		9	14-Mar-2019	23-Mar-2019	8		
EC4260	Formworks 1st. fix (Establishing Axes & Rough Carpentary)	3	14-Mar-2019	17-Mar-2019	8		
EC4280	Steel Fixing & Installation of Embedded Metal Parts & Supports	2	17-Mar-2019	19-Mar-2019	8		
EC4290	Formworks 2nd. fix (Fortification & Supporting)	1	19-Mar-2019	20-Mar-2019	8		
EC4300	Request For Inspection (RI)-PGESCo	1	20-Mar-2019	21-Mar-2019	8		
EC4310	Concrete Pouring	1	21-Mar-2019	22-Mar-2019	8		
EC4320	Stripping Formworks	1	22-Mar-2019	23-Mar-2019	8		
Concrete Fireproof Walls		22	23-Mar-2019	14-Apr-2019	8		
EC4330	Formworks 1st. fix (Setting-up Scaffolding & Rough Carpentary)	7	23-Mar-2019	30-Mar-2019	8		
EC4340	Steel Fabrication (Bars Cutting & Bending)	7	23-Mar-2019	30-Mar-2019	8		
EC4350	Steel Installation & Fixing	7	26-Mar-2019	02-Apr-2019	8		
EC4360	Formworks 2nd. fix (Fortification & Supporting)	3	02-Apr-2019	05-Apr-2019	8		
EC4370	Request For Inspection (RI)-PGESCo	1	05-Apr-2019	06-Apr-2019	8		
EC4380	Concrete Pouring	2	06-Apr-2019	08-Apr-2019	8		
EC4390	Stripping Formworks	3	11-Apr-2019	14-Apr-2019	8		
Insulation Works		37	13-Feb-2019 A	25-Mar-2019	137	29-Jan-2019	06-Mar-2019
CNCCV052	Waterproof Works underneath RC Raft Foundation According to specs	2	13-Feb-2019 A	20-Feb-2019 A		29-Jan-2019	31-Jan-2019
CNCCV056	Waterproof for the outter walls till level (±0.00) (3 Bituminous Latex Emulsion Layers)	2	23-Mar-2019	25-Mar-2019	137	03-Mar-2019	06-Mar-2019
Finishes		3	17-Apr-2019	20-Apr-2019	121	22-Mar-2019	25-Mar-2019
CNCCV048	Applying Anti-Oil Epoxy Coat till level (±0.00) and to be according to specs & approved drawings	3	17-Apr-2019	20-Apr-2019	121	22-Mar-2019	25-Mar-2019
Metal Works		55	29-Mar-2019	24-May-2019	90	12-Mar-2019	27-Mar-2019
CNCCV058	Installation of Transformers' Rails & Secondary Earthing for linking to the nearest Main Grid	7	29-Mar-2019	05-Apr-2019	137	12-Mar-2019	19-Mar-2019
CNCCV027	Install Metal Grating & Secondary Earthing and linking to the nearest Main Grid	4	18-May-2019	22-May-2019	90	14-Mar-2019	22-Mar-2019
CNCCV028	Placing of a 30cm gravel layer and to be according the specs & approved drawings	2	22-May-2019	24-May-2019	90	25-Mar-2019	27-Mar-2019
500/220kV TR MAINTENANCE AREA		130	08-Dec-2018 A	20-Apr-2019	123	10-Dec-2018	22-Mar-2019



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CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
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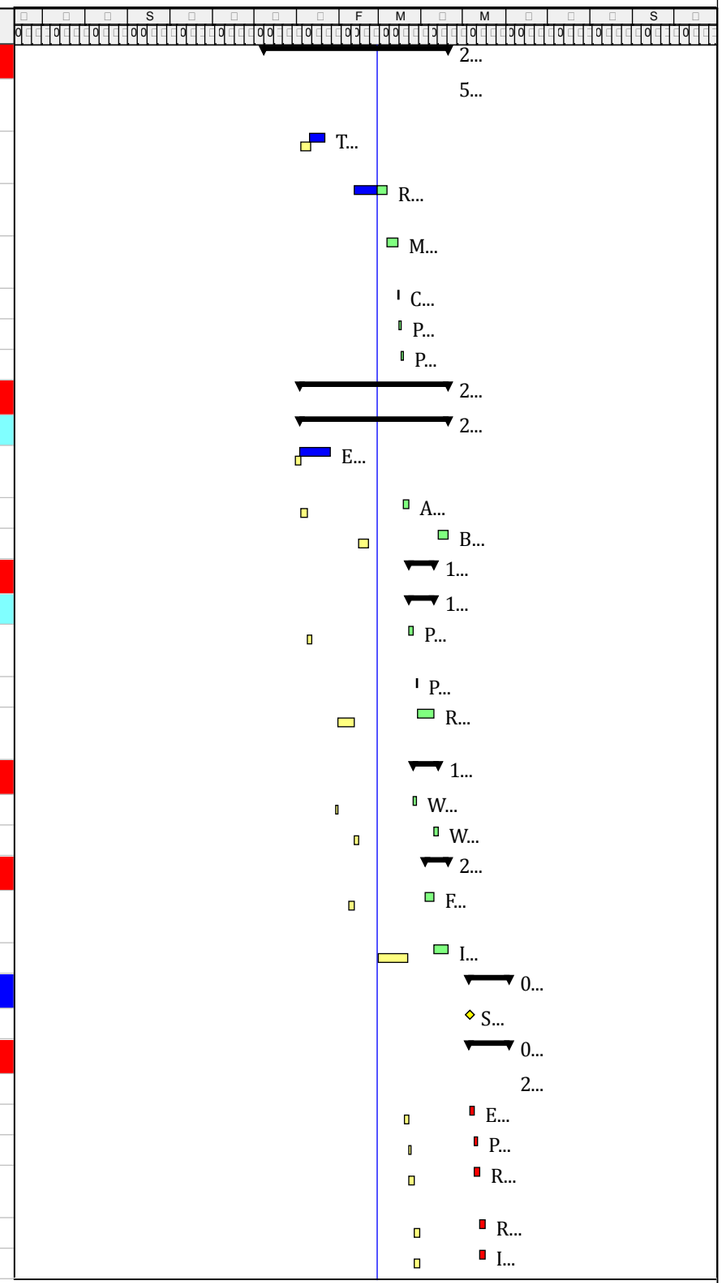
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
General Works & Testing		98	08-Dec-2018 A	20-Apr-2019	123	10-Dec-2018	23-Feb-2019
CNCCV030L	500/220kV Tie Transformer Maintenance Foundation	74	08-Dec-2018 A	20-Apr-2019	123	10-Dec-2018	23-Feb-2019
CNCCV062	Trimming of the piles till the approved cut-off level and removal of the debris to the dump	6	10-Jan-2019 A	21-Jan-2019 A		04-Jan-2019	11-Jan-2019
CNCCV092	Repairing of Flawed Piles	7	12-Feb-2019 A	07-Mar-2019	22		
CNCCV102	Making Temporary Pile Cap and conducting cylinders Comp. Test (80% of the Design Stress)	8	07-Mar-2019	15-Mar-2019	22		
CNCCV112	Carrying-out Lateral Loading Test on the Selected Pile	1	15-Mar-2019	16-Mar-2019	22		
CNCCV122	Preparation of Test Results Report by CP-104	2	16-Mar-2019	17-Mar-2019	22		
CNCCV132	PGESCo Review & Approval of Test Results	2	17-Mar-2019	19-Mar-2019	22		
Site Works		83	03-Jan-2019 A	20-Apr-2019	123	31-Dec-2018	22-Feb-2019
Earth Works		83	03-Jan-2019 A	20-Apr-2019	123	31-Dec-2018	22-Feb-2019
CNCCV031	Excavating till receiving (1.40m depth) underneath foundation level and removal of surplus soil to the dump	4	03-Jan-2019 A	25-Jan-2019 A		31-Dec-2018	04-Jan-2019
CNCCV071	Applying (1.00m) thickness layer structural backfill	4	19-Mar-2019	23-Mar-2019	22	04-Jan-2019	09-Jan-2019
CNCCV037	Backfill & Compaction Works till receiving the approved level	7	13-Apr-2019	20-Apr-2019	123	15-Feb-2019	22-Feb-2019
Concrete Works		18	23-Mar-2019	10-Apr-2019	22	09-Jan-2019	12-Feb-2019
Foundation Works		18	23-Mar-2019	10-Apr-2019	22	09-Jan-2019	12-Feb-2019
CNCCV032	Pouring a Plain Concrete Foundation Layer of 40cm thickness According to approved layouts & specs	3	23-Mar-2019	26-Mar-2019	22	09-Jan-2019	12-Jan-2019
CNCCV082	Pouring Structural Screed Concrete Layer	1	28-Mar-2019	29-Mar-2019	22		
CNCCV033	Reinforced Concrete Works for RC Foundations of the TR Maintenance Area & Secondary Earthing	12	29-Mar-2019	10-Apr-2019	22	31-Jan-2019	12-Feb-2019
Insulation Works		18	26-Mar-2019	13-Apr-2019	123	29-Jan-2019	15-Feb-2019
CNCCV072	Waterproof Works underneath RC Foundation & to be According to specs	2	26-Mar-2019	28-Mar-2019	22	29-Jan-2019	31-Jan-2019
CNCCV036	Waterproof Works for the Foundations' Sides & to be Acc. to specs	3	10-Apr-2019	13-Apr-2019	123	12-Feb-2019	15-Feb-2019
Metal Works		16	04-Apr-2019	20-Apr-2019	22	08-Feb-2019	22-Mar-2019
CNCCV035	Fixing Embedded Bearing Plates for the Rails of the Transformer & Secondary Earthing	6	04-Apr-2019	10-Apr-2019	22	08-Feb-2019	12-Feb-2019
CNCCV038	Installtion of TR Maintenance Rails & Secondary Earthing	10	10-Apr-2019	20-Apr-2019	22	01-Mar-2019	22-Mar-2019
Outdoor Foundation Works For Gas Insulated Bus (GIB)		29	05-May-2019	03-Jun-2019	3	19-Mar-2019	17-Apr-2019
EC2690	Start Civil Works of Gas Insulated Bus Ducts	0	06-May-2019		-14	20-Mar-2019	
Foundation Works For GIB From (500/220kv) Tie Transformer to 220kv GIS Bldg		29	05-May-2019	03-Jun-2019	0	19-Mar-2019	17-Apr-2019
CNCCV020L	220kV GIB to Tie Transformer Foundation	29	05-May-2019	03-Jun-2019	0	19-Mar-2019	17-Apr-2019
CNCCV030	Excavating till Receiving the Approved Foundation Level	3	06-May-2019	09-May-2019	0	20-Mar-2019	23-Mar-2019
CNCCV130	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	09-May-2019	11-May-2019	0	23-Mar-2019	25-Mar-2019
CNCCV131	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	4	09-May-2019	13-May-2019	0	23-Mar-2019	27-Mar-2019
CNCCV133	Reinforced Concrete Works for RC Pedestal & Secondary Earthing	4	13-May-2019	17-May-2019	0	27-Mar-2019	31-Mar-2019
CNCCV134	Install Embedded Plates for Pedestals & Secondary Earthing	4	13-May-2019	17-May-2019	0	27-Mar-2019	31-Mar-2019



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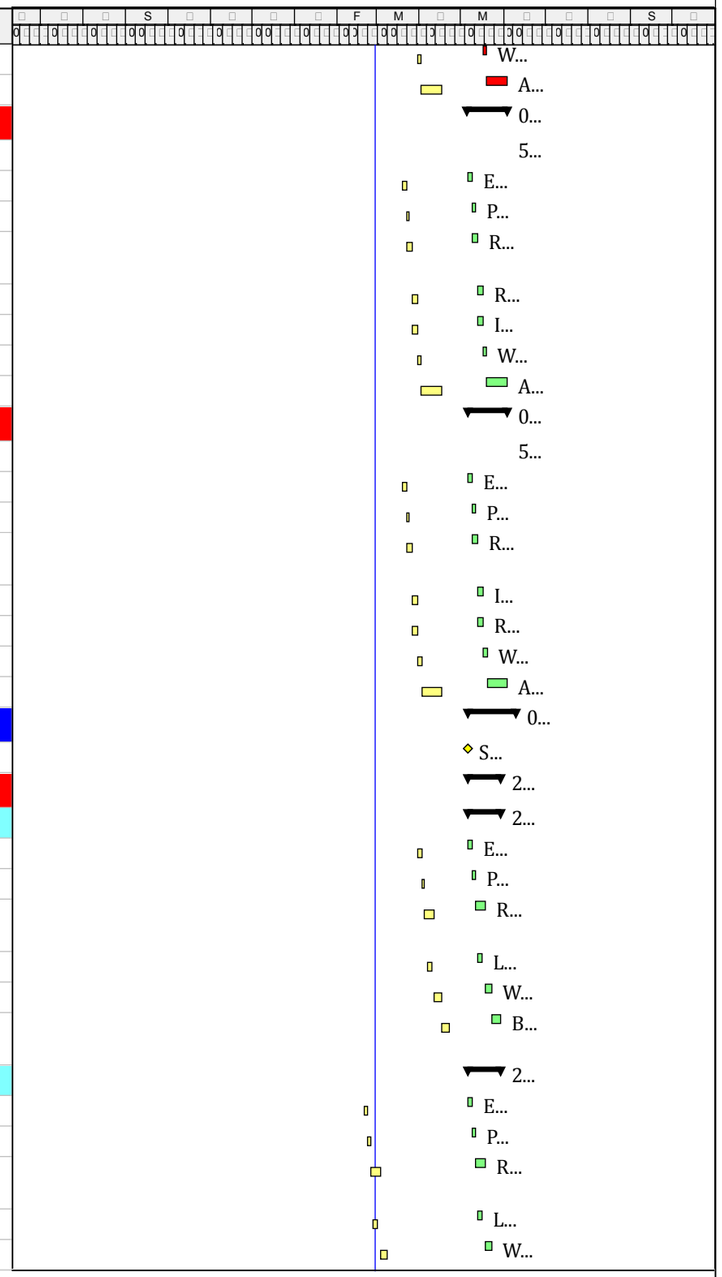
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCCV135	Waterproof of the foundations & Bacfilling Works	2	17-May-2019	19-May-2019	0	31-Mar-2019	02-Apr-2019
CNCCV136	Assembly & Installation of supporting steel structures	15	19-May-2019	03-Jun-2019	0	02-Apr-2019	17-Apr-2019
Foundation Works For GIB From 500kv GIS Bldg to (500/220kv) Tie Transformer		**29**	**05-May-2019**	**03-Jun-2019**	**3**	**19-Mar-2019**	**17-Apr-2019**
CNCCV031L	500kV GIB to Tie Transformer Foundation	29	05-May-2019	03-Jun-2019	3	19-Mar-2019	17-Apr-2019
CNCCV040	Excavating till Receiving the Approved Foundation Level	3	06-May-2019	09-May-2019	3	20-Mar-2019	23-Mar-2019
CNCCV041	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	09-May-2019	11-May-2019	3	23-Mar-2019	25-Mar-2019
CNCCV042	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	4	09-May-2019	13-May-2019	3	23-Mar-2019	27-Mar-2019
CNCCV044	Reinforced Concrete Works for RC Pedestal & Secondary Earthing	4	13-May-2019	17-May-2019	3	27-Mar-2019	31-Mar-2019
CNCCV045	Install Embedded Plates for Pedestals & Secondary Earthing	4	13-May-2019	17-May-2019	3	27-Mar-2019	31-Mar-2019
CNCCV046	Waterproof of the foundations & Bacfilling Works	2	17-May-2019	19-May-2019	3	31-Mar-2019	02-Apr-2019
CNCCV047	Assembly & Installation of supporting steel structures	15	19-May-2019	03-Jun-2019	3	02-Apr-2019	17-Apr-2019
Foundation Works For GIB From 500kv GIS Bldg Generator Step-up Transformer		**28**	**06-May-2019**	**03-Jun-2019**	**3**	**20-Mar-2019**	**17-Apr-2019**
CNCCV049L	500kV GIB to Generator Step-up Transformer Foundation	28	06-May-2019	03-Jun-2019	3	20-Mar-2019	17-Apr-2019
CNCCV050	Excavating till Receiving the Approved Foundation Level	3	06-May-2019	09-May-2019	3	20-Mar-2019	23-Mar-2019
CNCCV156	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	09-May-2019	11-May-2019	3	23-Mar-2019	25-Mar-2019
CNCCV166	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	4	09-May-2019	13-May-2019	3	23-Mar-2019	27-Mar-2019
CNCCV196	Install Embedded Plates for Pedestals & Secondary Earthing	4	13-May-2019	17-May-2019	3	27-Mar-2019	31-Mar-2019
CNCCV176	Reinforced Concrete Works for RC Pedestal & Secondary Earthing	4	13-May-2019	17-May-2019	3	27-Mar-2019	31-Mar-2019
CNCCV206	Waterproof of the foundations & Bacfilling Works	3	17-May-2019	20-May-2019	3	31-Mar-2019	03-Apr-2019
CNCCV216	Assembly & Installation of supporting steel structures	14	20-May-2019	03-Jun-2019	3	03-Apr-2019	17-Apr-2019
Raceways (Civil Works)		**34**	**06-May-2019**	**09-Jun-2019**	**73**	**20-Feb-2019**	**23-Apr-2019**
EC3160	Start Civil Works For outdoor RC Raceways	0	06-May-2019		-14	20-Feb-2019	
Duct Bank		**23**	**06-May-2019**	**29-May-2019**	**84**	**20-Feb-2019**	**23-Apr-2019**
Between 500kv GIS Bldg & Generator Step-up Transformer		**23**	**06-May-2019**	**29-May-2019**	**41**	**31-Mar-2019**	**23-Apr-2019**
CNCCV100	Excavating till Receiving the Approved Foundation Level	3	06-May-2019	09-May-2019	41	31-Mar-2019	03-Apr-2019
CNCCV316	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	09-May-2019	11-May-2019	41	03-Apr-2019	05-Apr-2019
CNCCV326	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	7	11-May-2019	18-May-2019	41	05-Apr-2019	12-Apr-2019
CNCCV346	Laying PVC Conduits with the approved diameter	3	13-May-2019	16-May-2019	43	07-Apr-2019	10-Apr-2019
CNCCV356	Waterproof Works Acc. to specs	5	18-May-2019	23-May-2019	41	12-Apr-2019	17-Apr-2019
CNCCV366	Backfill works till receiving the approved level & laying the warning tape at the approved depth & acc. to specs	6	23-May-2019	29-May-2019	41	17-Apr-2019	23-Apr-2019
Between 220kv GIS Bldg & Station Service Transformer		**23**	**06-May-2019**	**29-May-2019**	**8**	**20-Feb-2019**	**15-Mar-2019**
CNCCV626	Excavating till Receiving the Approved Foundation Level	3	06-May-2019	09-May-2019	8	20-Feb-2019	23-Feb-2019
CNCCV636	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	09-May-2019	11-May-2019	8	23-Feb-2019	25-Feb-2019
CNCCV646	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	7	11-May-2019	18-May-2019	8	25-Feb-2019	04-Mar-2019
CNCCV656	Laying PVC Conduits with the approved diameter	3	13-May-2019	16-May-2019	10	27-Feb-2019	02-Mar-2019
CNCCV666	Waterproof Works Acc. to specs	5	18-May-2019	23-May-2019	8	04-Mar-2019	09-Mar-2019



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CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
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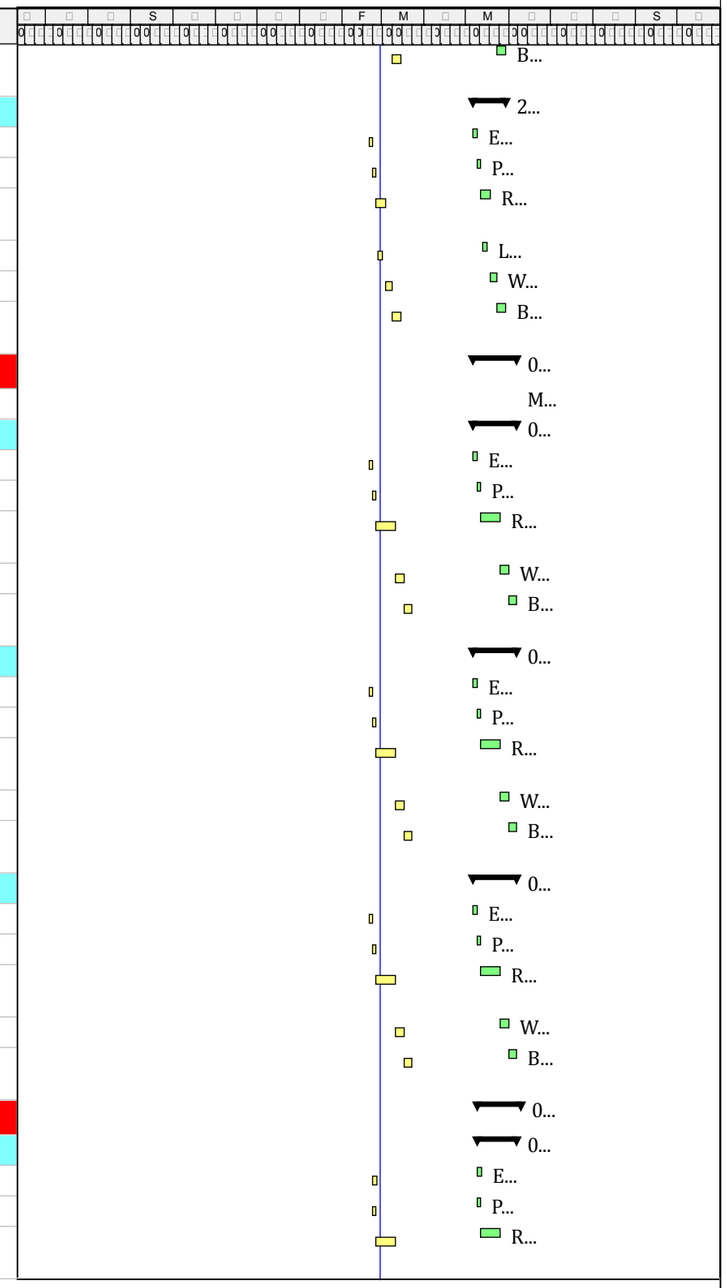
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCCV676	Backfill works till receiving the approved level & laying the warning tape at the approved depth & acc. to specs	6	23-May-2019	29-May-2019	8	09-Mar-2019	15-Mar-2019
Between 220kv GIS Bldg & (500/220kv) Tie Transformer		23	06-May-2019	29-May-2019	84	20-Feb-2019	15-Mar-2019
CNCCV686	Excavating till Receiving the Approved Foundation Level	3	06-May-2019	09-May-2019	13	20-Feb-2019	23-Feb-2019
CNCCV696	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	09-May-2019	11-May-2019	13	23-Feb-2019	25-Feb-2019
CNCCV706	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	7	11-May-2019	18-May-2019	13	25-Feb-2019	04-Mar-2019
CNCCV716	Laying PVC Conduits with the approved diameter	3	13-May-2019	16-May-2019	86	27-Feb-2019	02-Mar-2019
CNCCV726	Waterproof Works Acc. to specs	5	18-May-2019	23-May-2019	84	04-Mar-2019	09-Mar-2019
CNCCV736	Backfill works till receiving the approved level & laying the warning tape at the approved depth & acc. to specs	6	23-May-2019	29-May-2019	84	09-Mar-2019	15-Mar-2019
Manholes		31	06-May-2019	06-Jun-2019	76	20-Feb-2019	23-Mar-2019
CNCCV225L	Manholes	31	06-May-2019	06-Jun-2019	76	20-Feb-2019	23-Mar-2019
Between 500kv GIS Bldg & Generator Step-up Transformer		31	06-May-2019	06-Jun-2019	76	20-Feb-2019	23-Mar-2019
CNCCV226	Excavating till Receiving the Approved Foundation Level	3	06-May-2019	09-May-2019	76	20-Feb-2019	23-Feb-2019
CNCCV236	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	09-May-2019	11-May-2019	76	23-Feb-2019	25-Feb-2019
CNCCV246	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	14	11-May-2019	25-May-2019	76	25-Feb-2019	11-Mar-2019
CNCCV286	Waterproof Works Acc. to specs	7	25-May-2019	01-Jun-2019	76	11-Mar-2019	18-Mar-2019
CNCCV296	Backfill works till receiving the approved level & laying the warning tape at the approved depth & acc. to specs	5	01-Jun-2019	06-Jun-2019	76	18-Mar-2019	23-Mar-2019
Between 220kv GIS Bldg & Station Service Transformer		31	06-May-2019	06-Jun-2019	76	20-Feb-2019	23-Mar-2019
CNCCV526	Excavating till Receiving the Approved Foundation Level	3	06-May-2019	09-May-2019	73	20-Feb-2019	23-Feb-2019
CNCCV536	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	09-May-2019	11-May-2019	76	23-Feb-2019	25-Feb-2019
CNCCV546	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	14	11-May-2019	25-May-2019	76	25-Feb-2019	11-Mar-2019
CNCCV556	Waterproof Works Acc. to specs	7	25-May-2019	01-Jun-2019	76	11-Mar-2019	18-Mar-2019
CNCCV566	Backfill works till receiving the approved level & laying the warning tape at the approved depth & acc. to specs	5	01-Jun-2019	06-Jun-2019	76	18-Mar-2019	23-Mar-2019
Between 220kv GIS Bldg & (500/220kv) Tie Transformer		31	06-May-2019	06-Jun-2019	76	20-Feb-2019	23-Mar-2019
CNCCV576	Excavating till Receiving the Approved Foundation Level	3	06-May-2019	09-May-2019	6	20-Feb-2019	23-Feb-2019
CNCCV586	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	09-May-2019	11-May-2019	6	23-Feb-2019	25-Feb-2019
CNCCV596	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	14	11-May-2019	25-May-2019	6	25-Feb-2019	11-Mar-2019
CNCCV606	Waterproof Works Acc. to specs	7	25-May-2019	01-Jun-2019	76	11-Mar-2019	18-Mar-2019
CNCCV616	Backfill works till receiving the approved level & laying the warning tape at the approved depth & acc. to specs	5	01-Jun-2019	06-Jun-2019	76	18-Mar-2019	23-Mar-2019
Trenches		31	09-May-2019	09-Jun-2019	73	23-Feb-2019	26-Mar-2019
Between 500kv GIS Bldg & Generator Step-up Transformer		28	09-May-2019	06-Jun-2019	76	23-Feb-2019	23-Mar-2019
CNCCV746	Excavating till Receiving the Approved Foundation Level	3	09-May-2019	12-May-2019	76	23-Feb-2019	26-Feb-2019
CNCCV756	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	09-May-2019	11-May-2019	76	23-Feb-2019	25-Feb-2019
CNCCV766	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	14	11-May-2019	25-May-2019	76	25-Feb-2019	11-Mar-2019



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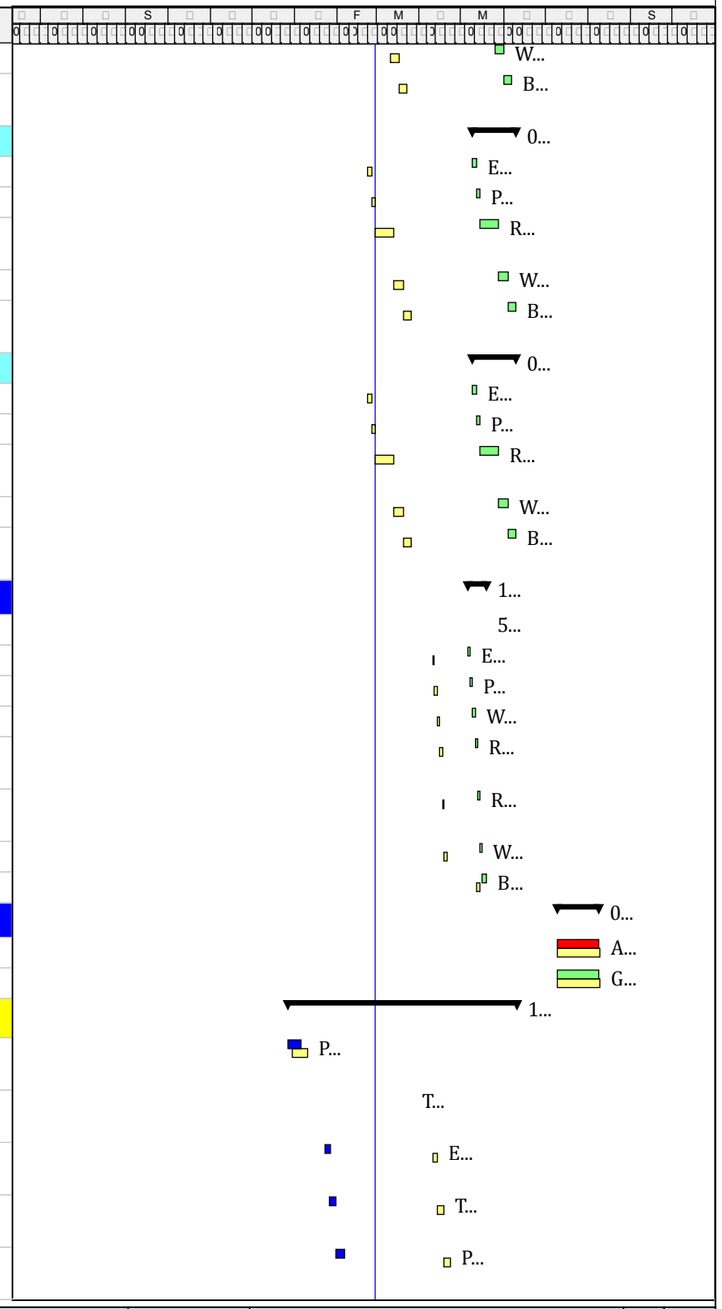
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCCV776	Waterproof Works Acc. to specs	7	25-May-2019	01-Jun-2019	76	11-Mar-2019	18-Mar-2019
CNCCV786	Backfill works till receiving the approved level & laying the warning tape at the approved depth & acc. to specs	5	01-Jun-2019	06-Jun-2019	76	18-Mar-2019	23-Mar-2019
Between 220kv GIS Bldg & Station Service Transformer		31	09-May-2019	09-Jun-2019	73	23-Feb-2019	26-Mar-2019
CNCCV796	Excavating till Receiving the Approved Foundation Level	3	09-May-2019	12-May-2019	73	23-Feb-2019	26-Feb-2019
CNCCV806	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	12-May-2019	14-May-2019	73	26-Feb-2019	28-Feb-2019
CNCCV816	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	14	14-May-2019	28-May-2019	73	28-Feb-2019	14-Mar-2019
CNCCV826	Waterproof Works Acc. to specs	7	28-May-2019	04-Jun-2019	73	14-Mar-2019	21-Mar-2019
CNCCV836	Backfill works till receiving the approved level & laying the warning tape at the approved depth & acc. to specs	5	04-Jun-2019	09-Jun-2019	73	21-Mar-2019	26-Mar-2019
Between 220kv GIS Bldg & (500/220kv) Tie Transformer		31	09-May-2019	09-Jun-2019	73	23-Feb-2019	26-Mar-2019
CNCCV846	Excavating till Receiving the Approved Foundation Level	3	09-May-2019	12-May-2019	73	23-Feb-2019	26-Feb-2019
CNCCV856	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	12-May-2019	14-May-2019	73	26-Feb-2019	28-Feb-2019
CNCCV866	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	14	14-May-2019	28-May-2019	73	28-Feb-2019	14-Mar-2019
CNCCV876	Waterproof Works Acc. to specs	7	28-May-2019	04-Jun-2019	73	14-Mar-2019	21-Mar-2019
CNCCV886	Backfill works till receiving the approved level & laying the warning tape at the approved depth & acc. to specs	5	04-Jun-2019	09-Jun-2019	73	21-Mar-2019	26-Mar-2019
500kV Surge Arresters, CVT & Air Bushing Foundations		13	06-May-2019	19-May-2019	9	11-Apr-2019	15-May-2019
CNCCV060L	500kV S.A. CVT & Air Bushing Foundation	13	06-May-2019	19-May-2019	9	11-Apr-2019	15-May-2019
CNCCV070	Excavating till Receiving the Approved Foundation Level	1	06-May-2019	07-May-2019	9	11-Apr-2019	12-Apr-2019
CNCCV456	Pouring a Plain Concrete Foundation Layer with the approved thickness	2	07-May-2019	09-May-2019	9	12-Apr-2019	14-Apr-2019
CNCCV466	Waterproof Works Acc. to specs	2	09-May-2019	11-May-2019	9	14-Apr-2019	16-Apr-2019
CNCCV476	Reinforced Concrete Works for RC Foundations & Secondary Earthing for linking to the nearest Main Grid	2	11-May-2019	13-May-2019	9	16-Apr-2019	18-Apr-2019
CNCCV486	Reinforced Concrete Works for RC Pedestal & Install Embedded Plates & Secondary Earthing	1	13-May-2019	14-May-2019	9	18-Apr-2019	19-Apr-2019
CNCCV506	Waterproof Works Acc. to specs	2	14-May-2019	16-May-2019	9	19-Apr-2019	21-Apr-2019
CNCCV516	Backfill works till receiving the approved level	3	16-May-2019	19-May-2019	9	12-May-2019	15-May-2019
Landscape Work		30	10-Jul-2019	09-Aug-2019	13	10-Jul-2019	10-Aug-2019
CNCCV380	All Fence Works	30	10-Jul-2019*	09-Aug-2019	0	10-Jul-2019	10-Aug-2019
CNCCV370	General Site Landscape Works	30	10-Jul-2019	09-Aug-2019	13	10-Jul-2019	10-Aug-2019
Take-off 500kv Gantry Tower		162	27-Dec-2018 A	11-Jun-2019	-1	30-Dec-2018	11-Jun-2019
CNCCV015	Piling Work for Gantry Tower Area	10	27-Dec-2018 A	06-Jan-2019 A		30-Dec-2018	10-Jan-2019
CNCCV070L	Take off Gantry System	46	27-Dec-2018 A	26-Mar-2019	46	30-Dec-2018	15-Feb-2019
CNCCV080	Excavating till receiving (1.40m depth) underneath the approved foundation level and removal of surplus soil to the dump	3	23-Jan-2019 A	27-Jan-2019 A		11-Apr-2019	14-Apr-2019
CNCCV055	Trimming of the piles till the approved cut-off level and removal of the debris to the dump	5	26-Jan-2019 A	31-Jan-2019 A		14-Apr-2019	19-Apr-2019
CNCCV386	Pouring a Plain Concrete Layer of 40cm thickness According to approved layouts & specs	4	31-Jan-2019 A	06-Feb-2019 A		19-Apr-2019	23-Apr-2019



Original Baseline
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Remaining Work

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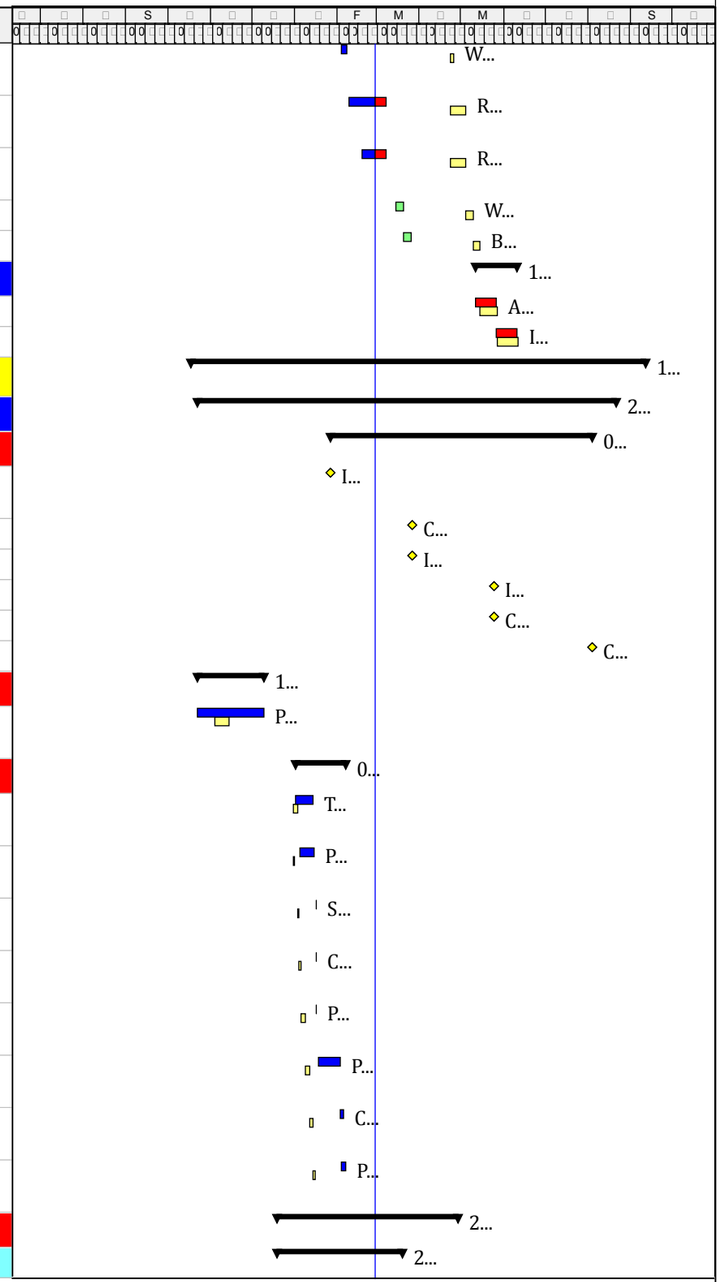
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCCV396	Waterproof Works underneath RC Foundation According to specs	2	04-Feb-2019 A	08-Feb-2019 A		23-Apr-2019	26-Apr-2019
CNCCV406	Reinforced Concrete Works for RC Foundation & Secondary Earthing for linking to the nearest Main Grid	8	09-Feb-2019 A	08-Mar-2019	-1	23-Apr-2019	04-May-2019
CNCCV416	Reinforced Concrete Works for RC Pedestal & Install Embedded Plates & Secondary Earthing	8	19-Feb-2019 A	08-Mar-2019	-1	23-Apr-2019	04-May-2019
CNCCV436	Waterproof Works for the foundations Acc. to specs	6	15-Mar-2019	21-Mar-2019	46	04-May-2019	10-May-2019
CNCCV446	Backfill works till receiving the approved level	5	21-Mar-2019	26-Mar-2019	46	10-May-2019	15-May-2019
Steel Structure Work		30	12-May-2019	11-Jun-2019	-1	15-May-2019	11-Jun-2019
CNCST020	Assembly & Setting-up of the steel columns	15	12-May-2019	27-May-2019	-1	15-May-2019	27-May-2019
CNCST010	Installation & Fixing of the Steel Girder, Supporting Steel & Accessories	15	27-May-2019	11-Jun-2019	-1	27-May-2019	11-Jun-2019
GIS Buildings Works		318	18-Oct-2018 A	11-Sep-2019	-21	27-Oct-2018	11-Jul-2019
220kV GIS Building		289	22-Oct-2018 A	21-Aug-2019	0	04-Nov-2018	11-Jul-2019
Revised Key Dates (Milestones)		189	27-Jan-2019 A	04-Aug-2019	18	05-Jan-2019	08-May-2019
CNCAR000L10	Inception of Sub-Structure Works	0	27-Jan-2019 A			05-Jan-2019	
CNCAR000L20	Completion of Sub-Structure Works	0		27-Mar-2019	148		05-Feb-2019
CNCAR000L30	Inception of Superstructure Works	0	27-Mar-2019		148	05-Feb-2019	
CNCAR000L50	Inception of Architectural Works	0	25-May-2019		89	24-Mar-2019	
CNCAR000L60	Completion of Superstructure Works	0		25-May-2019	89		22-Mar-2019
CNCAR000L40	Completion of Architectural Works	0		04-Aug-2019	18		08-May-2019
Deep Foundation (Piling works)		10	22-Oct-2018 A	10-Dec-2018 A		04-Nov-2018	14-Nov-2018
CNCAR001	Piling Works for 220kV GIS Building	10	22-Oct-2018 A	10-Dec-2018 A		04-Nov-2018	14-Nov-2018
General Works & Testing		17	02-Jan-2019 A	07-Feb-2019 A		31-Dec-2018	16-Jan-2019
CNCAR011	Trimming of the piles till the approved cut-off level and removal of the debris to the dump	3	02-Jan-2019 A	14-Jan-2019 A		31-Dec-2018	03-Jan-2019
SBW005	Pouring a P.C. Layer of 40cm thickness underneath RC Footing of the 220kV GIS whole area	1	05-Jan-2019 A	15-Jan-2019 A		31-Dec-2018	01-Jan-2019
EC1410	Sonic Intergrity (SI) Test	1	17-Jan-2019 A	17-Jan-2019 A		03-Jan-2019	04-Jan-2019
EC1420	CP-104 SI Test Results Report	2	17-Jan-2019 A	17-Jan-2019 A		04-Jan-2019	06-Jan-2019
EC1430	PGESCo's Review of SI Test, Approval & Selection of Piles for Carrying Out the Loading Tests	2	17-Jan-2019 A	17-Jan-2019 A		06-Jan-2019	09-Jan-2019
EC1440	Preparation & Carrying out Loading Tests on the Selected Piles	3	18-Jan-2019 A	03-Feb-2019 A		09-Jan-2019	12-Jan-2019
EC1450	CP-104 Loading Test Results Report	2	03-Feb-2019 A	05-Feb-2019 A		12-Jan-2019	14-Jan-2019
EC1460	PGESCo's Review of Loading Test Results & Approval	2	04-Feb-2019 A	07-Feb-2019 A		14-Jan-2019	16-Jan-2019
Substructure Works		119	19-Dec-2018 A	29-Apr-2019	115	30-Dec-2018	28-Mar-2019
Earth Works		79	19-Dec-2018 A	20-Mar-2019	-41	30-Dec-2018	02-Feb-2019



Critical Baseline
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

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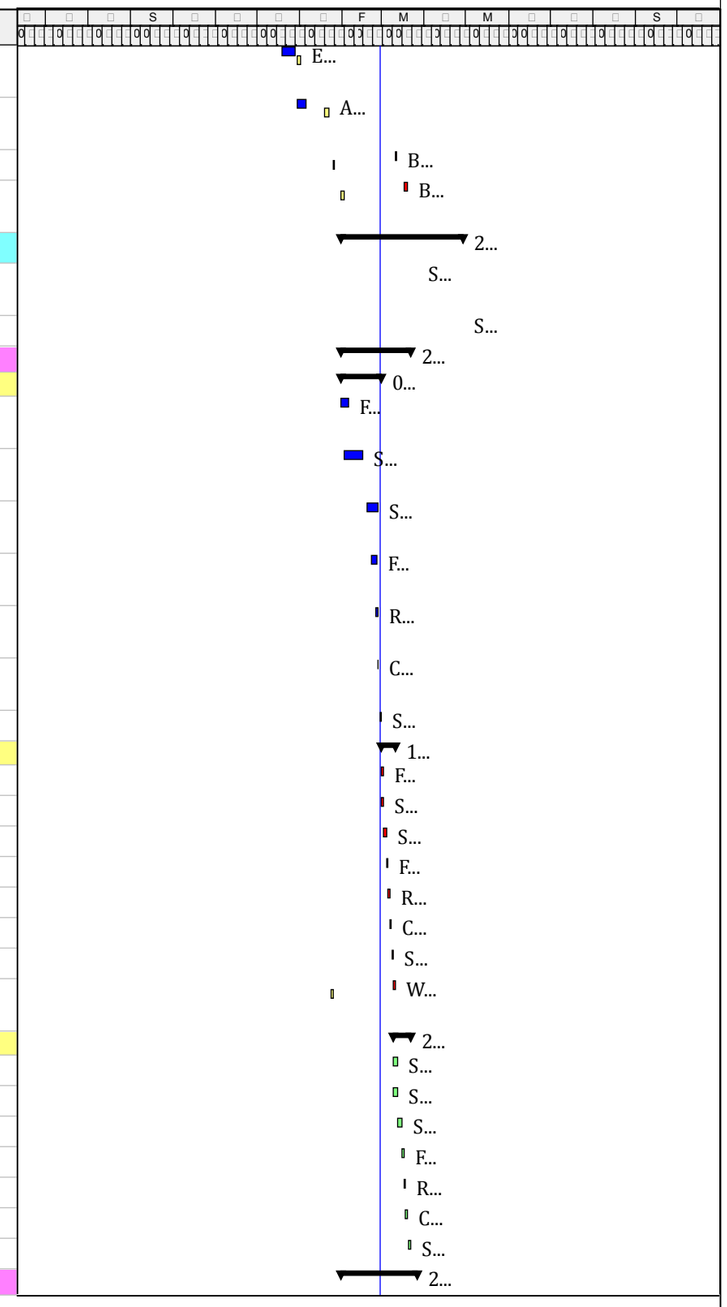
BASELINE SCHEDULE
SHEET 1 OF 1
FEB 2019

Date	Revision		
1 Feb 2019	Issued for Baseline		
1 Mar 2019	Issued for Baseline		
01 Jan 2019	Issued for Baseline		
1 Jan 2019	Issued for Baseline		
01 Jan 2019	Issued for Baseline		

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
EW1100	Excavating till receiving (1.40m depth) underneath the approved foundation level of the basement & surplus soil removal	3	19-Dec-2018 A	29-Dec-2018 A		30-Dec-2018	02-Jan-2019
CNCAR031	Applying a (1.00m) thickness structural backfill layer & Compaction for the 220kV GIS whole area	3	30-Dec-2018 A	06-Jan-2019 A		19-Jan-2019	22-Jan-2019
SBW050	Backfill works till the foundation level of the embedded trench	1	11-Mar-2019	12-Mar-2019	-41	25-Jan-2019	26-Jan-2019
CNCAR024	Backfill works till the underside level of the slab on grade (bldg. floor slab)	2	18-Mar-2019	20-Mar-2019	-41	31-Jan-2019	02-Feb-2019
Reinforced Concrete Works		104	31-Jan-2019 A	29-Apr-2019	115	14-Jan-2019	28-Mar-2019
CNCAR000L	Sub-Structure Works	15	31-Jan-2019 A	27-Mar-2019	-41	14-Jan-2019	30-Jan-2019
CNCAR020L	Superstructure Works	33	27-Mar-2019	29-Apr-2019	22	05-Feb-2019	28-Mar-2019
Lower Foundation LeveL (Basement)		40	31-Jan-2019 A	22-Mar-2019	152	24-Jan-2019	25-Jan-2019
Foundations		20	31-Jan-2019 A	01-Mar-2019	-41		
EC3420	Formworks 1st. fix (Establishing Axes & Rough Carpentary)	4	31-Jan-2019 A	05-Feb-2019 A			
EC3430	Steel Fabrication (Cutting & Bending)	3	02-Feb-2019 A	16-Feb-2019 A			
EC3440	Steel Installation & Fixing (For Footings, SOG & Walls' Dewells and Columns)	2	19-Feb-2019 A	27-Feb-2019 A			
EC3450	Formworks 2nd. fix (Fortification & Supporting)	1	22-Feb-2019 A	26-Feb-2019 A			
EC3460	Request For Inspection (RI)-PGESCo	1	25-Feb-2019 A	27-Feb-2019 A			
EC3470	Concrete Pouring	1	27-Feb-2019 A	27-Feb-2019 A			
EC3480	Stripping Formworks	1	28-Feb-2019	01-Mar-2019	-41		
Walls		10	01-Mar-2019	11-Mar-2019	-41	24-Jan-2019	25-Jan-2019
EC3490	Formworks 1st. fix (Establising Axes & Rough Carpentary)	2	01-Mar-2019	03-Mar-2019	-41		
EC3500	Steel Fabrication (Cutting & Bending)	2	01-Mar-2019	03-Mar-2019	-41		
EC3510	Steel Installation & Fixing	2	03-Mar-2019	05-Mar-2019	-41		
EC3520	Formworks 2nd. fix (Fortification & Supporting)	1	05-Mar-2019	06-Mar-2019	-41		
EC3530	Request For Inspection (RI)-PGESCo	1	06-Mar-2019	07-Mar-2019	-41		
EC3540	Concrete Pouring	1	07-Mar-2019	08-Mar-2019	-41		
EC3550	Stripping Formworks	1	09-Mar-2019	10-Mar-2019	-41		
CNCAR022	Waterproof Works for the Basement Walls & Columns' necks till the approved level	1	10-Mar-2019	11-Mar-2019	-41	24-Jan-2019	25-Jan-2019
Ceiling		12	10-Mar-2019	22-Mar-2019	152		
EC3560	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	3	10-Mar-2019	13-Mar-2019	152		
EC3570	Steel Fabrication (Cutting & Bending)	3	10-Mar-2019	13-Mar-2019	152		
EC3580	Steel Installation & Fixing	3	13-Mar-2019	16-Mar-2019	152		
EC3590	Formworks 2nd. fix (Fortification & Supporting)	2	16-Mar-2019	17-Mar-2019	152		
EC3600	Request For Inspection (RI)-PGESCo	1	17-Mar-2019	18-Mar-2019	152		
EC3610	Concrete Pouring	1	18-Mar-2019	19-Mar-2019	152		
EC3620	Stripping Formworks	2	20-Mar-2019	22-Mar-2019	152		
Upper Foundation LeveL		49	31-Jan-2019 A	27-Mar-2019	148	16-Jan-2019	05-Feb-2019



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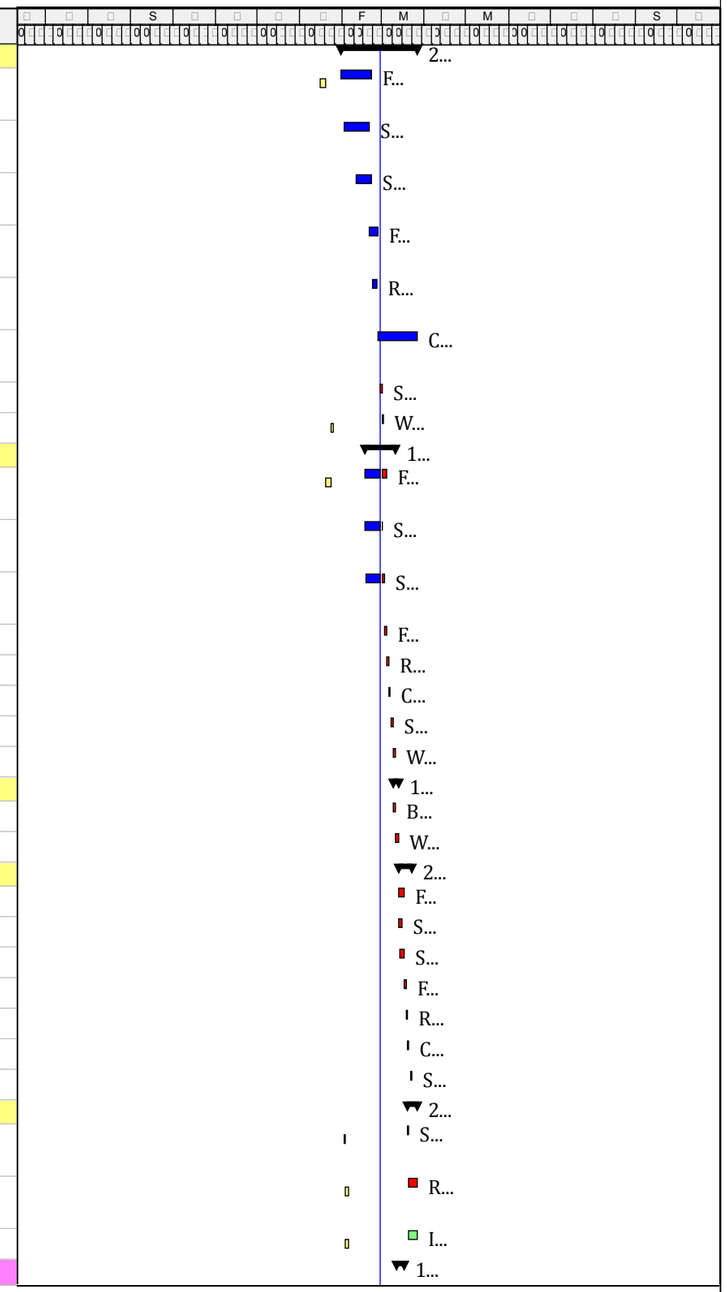
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
Isolated Footings and Grade Beams		27	31-Jan-2019 A	27-Mar-2019	172	16-Jan-2019	25-Jan-2019
CNCAR014	Formworks 1st. fix (Establishing Axes & Rough Carpentary)	4	31-Jan-2019 A	22-Feb-2019 A		16-Jan-2019	20-Jan-2019
EC3640	Steel Fabrication (Cutting & Bending)	3	02-Feb-2019 A	20-Feb-2019 A			
EC3650	Steel Installation & Fixing (For Footings)	3	11-Feb-2019 A	22-Feb-2019 A			
EC3660	Formworks 2nd. fix (Fortification & Supporting)	3	20-Feb-2019 A	27-Feb-2019 A			
EC3670	Request For Inspection (RI)-PGESCo	1	23-Feb-2019 A	26-Feb-2019 A			
EC3680	Concrete Pouring	1	27-Feb-2019 A	27-Mar-2019 A			
EC3690	Stripping Formworks	2	28-Feb-2019	01-Mar-2019	-40		
SBW110	Waterproof Works for the Isolated Footings & Grade Beams	1	01-Mar-2019	02-Mar-2019	172	24-Jan-2019	25-Jan-2019
Columns Necks		11	17-Feb-2019 A	11-Mar-2019	-40	20-Jan-2019	24-Jan-2019
CNCAR042	Formworks 1st. fix (Scaffolding, Establishing Axes & Rough Carpentary)	4	17-Feb-2019 A	04-Mar-2019	-40	20-Jan-2019	24-Jan-2019
EC4470	Steel Fabrication (Cutting & Bending)	3	17-Feb-2019 A	01-Mar-2019	-40		
EC4480	Steel Installation & Fixing (For Columns' Necks)	3	18-Feb-2019 A	03-Mar-2019	-40		
EC4490	Formworks 2nd. fix (Fortification & Supporting)	2	03-Mar-2019	05-Mar-2019	-40		
EC4500	Request For Inspection (RI)-PGESCo	1	05-Mar-2019	06-Mar-2019	-40		
EC4510	Concrete Pouring	1	06-Mar-2019	07-Mar-2019	-40		
EC4520	Stripping Formworks	2	08-Mar-2019	10-Mar-2019	-40		
EC4540	Waterproof works for the Columns' Necks	2	10-Mar-2019	11-Mar-2019	-40		
Masonry Walls Works Upto Ground Beams LeveL (G.B.L)		3	10-Mar-2019	13-Mar-2019	-40		
EC4400	Building Masonry Wall till the underside of the Ground Beams	2	10-Mar-2019	11-Mar-2019	-40		
EC4530	Waterproof works for the Masonry Wall till G.B. LeveL	2	11-Mar-2019	13-Mar-2019	-40		
Ground Beams at Ground Floor LeveL (G.F.L)		10	13-Mar-2019	23-Mar-2019	152		
CNCAR1350	Formworks 1st. fix (Establishing Axes & Rough Carpentary)	4	13-Mar-2019	17-Mar-2019	-40		
EC4410	Steel Fabrication (Cutting & Bending)	3	13-Mar-2019	16-Mar-2019	-40		
EC4420	Steel Installation & Fixing (for footings, and Columns Dewells)	3	14-Mar-2019	17-Mar-2019	-40		
EC4430	Formworks 2nd. fix (Fortification & Supporting)	2	17-Mar-2019	19-Mar-2019	-40		
EC4440	Request For Inspection (RI)-PGESCo	1	19-Mar-2019	20-Mar-2019	-40		
EC4450	Concrete Pouring	1	20-Mar-2019	21-Mar-2019	-40		
EC4460	Stripping Formworks	1	22-Mar-2019	23-Mar-2019	152		
Slab On Grade (S.O.G) at (G.F.L)		7	20-Mar-2019	27-Mar-2019	148	02-Feb-2019	05-Feb-2019
CNCAR034	Spreading Vapour/Moisture Retarder Underside the Slab on Grade & to be acc. to specs	1	20-Mar-2019	21-Mar-2019	-41	02-Feb-2019	03-Feb-2019
CNCAR018	RC works for the Ground Floor (SOG)& grade beams (at the ground level) for 220kV GIS Bldg	6	21-Mar-2019	27-Mar-2019	-41	03-Feb-2019	05-Feb-2019
EC1000	Installation & fixing of the embedded plates in the ground floor slab	6	21-Mar-2019	27-Mar-2019	148	03-Feb-2019	05-Feb-2019
Embedded Trench		6	12-Mar-2019	18-Mar-2019	-41	26-Jan-2019	01-Feb-2019



Primary Baseline
Critical Activity
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BASE SCHEDULE
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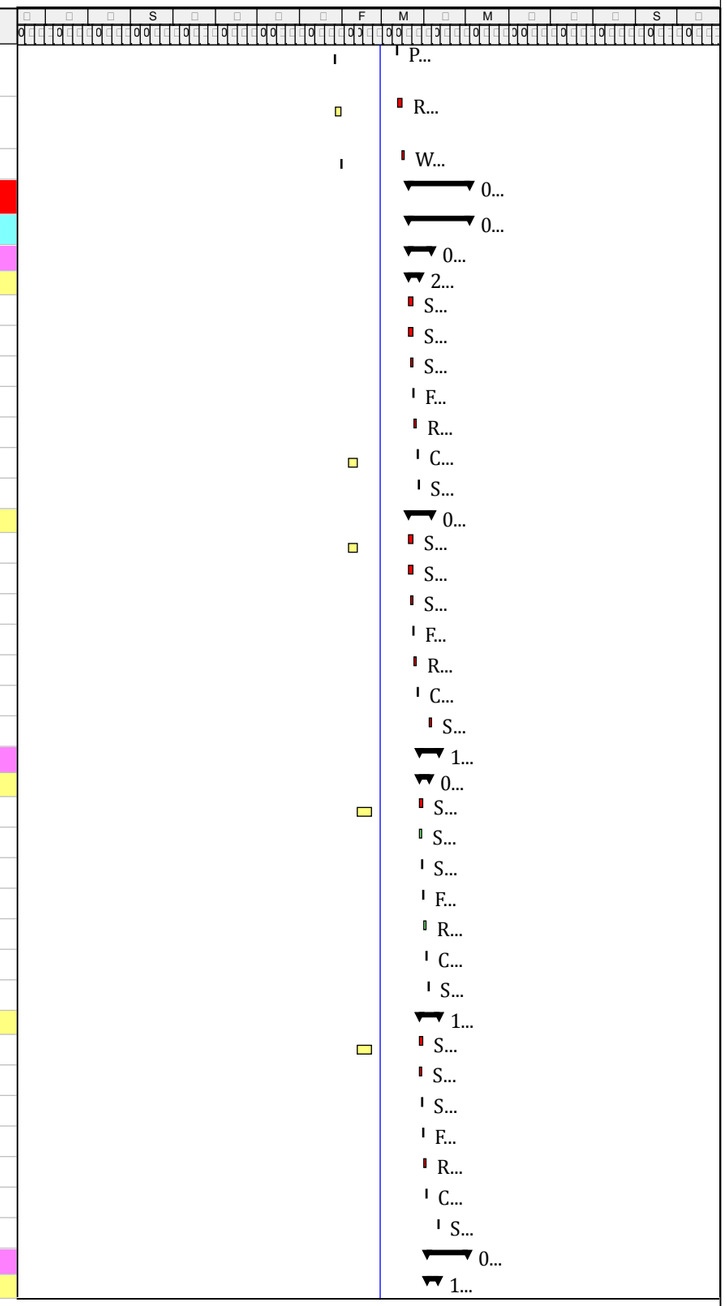
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
SBW100	PC & Waterproof Works under the RC Mat of the embedded trench & to be Acc. to the specs	1	12-Mar-2019	13-Mar-2019	-41	26-Jan-2019	27-Jan-2019
CNCAR016	R.C. Works for the Whole Embedded Trench inside 220kV GIS Bldg & Secondary Earthing	3	13-Mar-2019	16-Mar-2019	-41	27-Jan-2019	31-Jan-2019
SBW090	Waterproof Works for the walls of the embedded trench	2	16-Mar-2019	18-Mar-2019	-41	31-Jan-2019	01-Feb-2019
Superstructure Works		44	21-Mar-2019	04-May-2019	110	05-Feb-2019	28-Mar-2019
Reinforced Concrete Works		44	21-Mar-2019	04-May-2019	110	05-Feb-2019	28-Mar-2019
1st. Lift Till LeveL (+4.70m)		16	21-Mar-2019	06-Apr-2019	138	05-Feb-2019	12-Feb-2019
Columns		8	21-Mar-2019	29-Mar-2019	146	05-Feb-2019	12-Feb-2019
EC3700	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	3	21-Mar-2019	24-Mar-2019	-40		
EC3710	Steel Fabrication (Cutting & Bending)	3	21-Mar-2019	24-Mar-2019	-40		
EC3720	Steel Installation & Fixing	2	22-Mar-2019	24-Mar-2019	-40		
EC3730	Formworks 2nd. fix (Fortification & Supporting)	1	24-Mar-2019	25-Mar-2019	-40		
EC3740	Request For Inspection (RI)-PGESCo	1	25-Mar-2019	26-Mar-2019	-40		
CNCAR030	Concrete Pouring (1st. lift) for 220kv GIS Bldg Columns	1	27-Mar-2019	28-Mar-2019	-41	05-Feb-2019	12-Feb-2019
EC3760	Stripping Formworks	1	28-Mar-2019	29-Mar-2019	146		
Beams		16	21-Mar-2019	06-Apr-2019	-37	05-Feb-2019	12-Feb-2019
CNCAR070	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	3	21-Mar-2019	24-Mar-2019	-40	05-Feb-2019	12-Feb-2019
EC3780	Steel Fabrication (Cutting & Bending)	3	21-Mar-2019	24-Mar-2019	-40		
EC3790	Steel Installation & Fixing	2	22-Mar-2019	24-Mar-2019	-40		
EC3800	Formworks 2nd. fix (Fortification & Supporting)	1	24-Mar-2019	25-Mar-2019	-40		
EC3810	Request For Inspection (RI)-PGESCo	1	25-Mar-2019	26-Mar-2019	-40		
EC3820	Concrete Pouring (1st. lift) for 220kv GIS Bldg Beams	1	27-Mar-2019	28-Mar-2019	-41		
EC3830	Stripping Formworks	1	05-Apr-2019	06-Apr-2019	-37		
2nd. Lift Till LeveL (+8.41m)		14	29-Mar-2019	12-Apr-2019	132	12-Feb-2019	22-Feb-2019
Columns		7	29-Mar-2019	05-Apr-2019	139	12-Feb-2019	22-Feb-2019
CNCAR033	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	2	29-Mar-2019	31-Mar-2019	-41	12-Feb-2019	22-Feb-2019
EC3850	Steel Fabrication (Cutting & Bending)	1	29-Mar-2019	30-Mar-2019	139		
EC3860	Steel Installation & Fixing	1	30-Mar-2019	31-Mar-2019	139		
EC3870	Formworks 2nd. fix (Fortification & Supporting)	1	31-Mar-2019	01-Apr-2019	139		
EC3880	Request For Inspection (RI)-PGESCo	1	01-Apr-2019	02-Apr-2019	139		
EC3890	Concrete Pouring (2nd. lift) for 220kv GIS Bldg Columns	1	02-Apr-2019	03-Apr-2019	139		
EC3900	Stripping Formworks	1	04-Apr-2019	05-Apr-2019	139		
Beams		14	29-Mar-2019	12-Apr-2019	-34	12-Feb-2019	22-Feb-2019
CNCAR043	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	2	29-Mar-2019	31-Mar-2019	-34	12-Feb-2019	22-Feb-2019
EC3920	Steel Fabrication (Cutting & Bending)	1	29-Mar-2019	30-Mar-2019	-34		
EC3930	Steel Installation & Fixing	1	30-Mar-2019	31-Mar-2019	-34		
EC3940	Formworks 2nd. fix (Fortification & Supporting)	1	31-Mar-2019	01-Apr-2019	-34		
EC3950	Request For Inspection (RI)-PGESCo	1	01-Apr-2019	02-Apr-2019	-34		
EC3960	Concrete Pouring (2nd. lift) for 220kv GIS Bldg Beams	1	02-Apr-2019	03-Apr-2019	-34		
EC3970	Stripping Formworks	1	11-Apr-2019	12-Apr-2019	-34		
3rd. Lift Till LeveL (+11.50m)		30	03-Apr-2019	02-May-2019	111	22-Feb-2019	22-Mar-2019
Columns		8	03-Apr-2019	11-Apr-2019	-6	22-Feb-2019	01-Mar-2019



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CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

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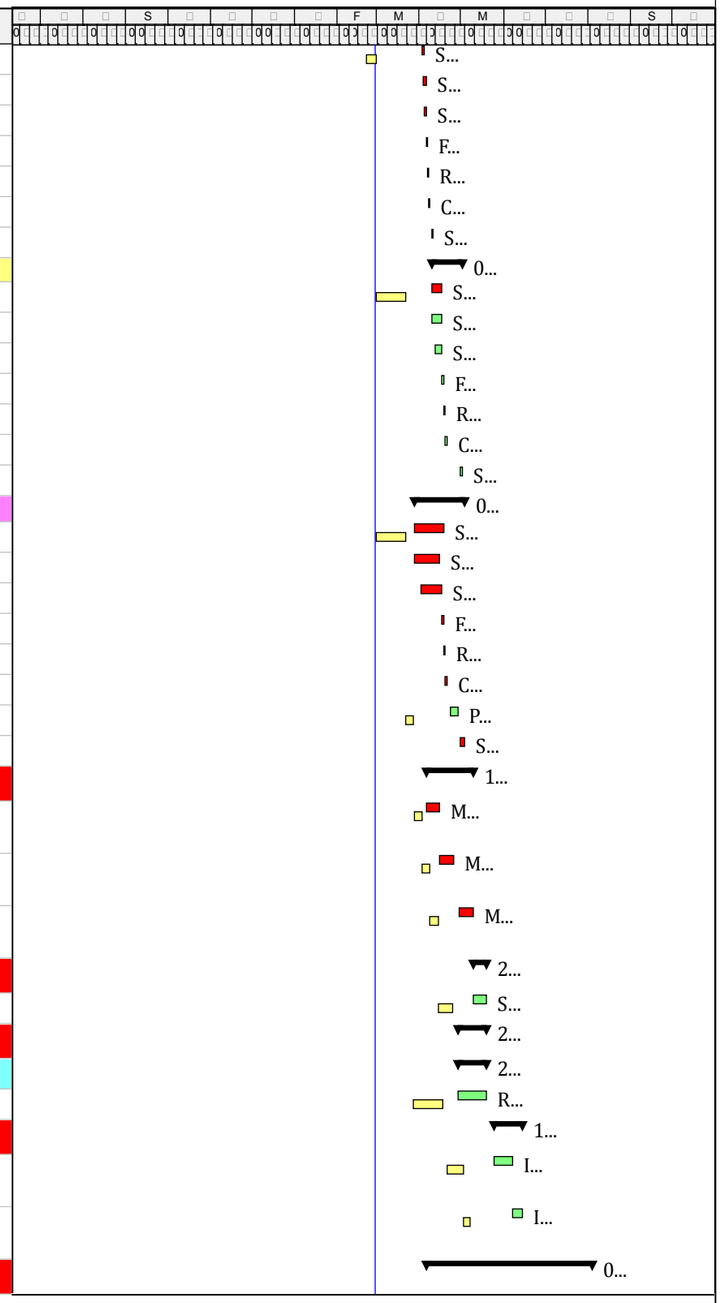
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCAR035	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	2	03-Apr-2019	05-Apr-2019	-6	22-Feb-2019	01-Mar-2019
EC3990	Steel Fabrication (Cutting & Bending)	2	04-Apr-2019	06-Apr-2019	-6		
EC4000	Steel Installation & Fixing	1	05-Apr-2019	06-Apr-2019	-6		
EC4010	Formworks 2nd. fix (Fortification & Supporting)	1	06-Apr-2019	07-Apr-2019	-6		
EC4020	Request For Inspection (RI)-PGESCo	1	07-Apr-2019	08-Apr-2019	-6		
EC4030	Concrete Pouring (3rd. lift) for 220kV GIS Bldg Columns	1	08-Apr-2019	09-Apr-2019	-6		
EC4040	Stripping Formworks	1	10-Apr-2019	11-Apr-2019	-6		
Beams		23	10-Apr-2019	02-May-2019	111	01-Mar-2019	22-Mar-2019
CNCAR075	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	7	10-Apr-2019	17-Apr-2019	-6	01-Mar-2019	22-Mar-2019
EC4060	Steel Fabrication (Cutting & Bending)	7	10-Apr-2019	17-Apr-2019	111		
EC4070	Steel Installation & Fixing	4	13-Apr-2019	17-Apr-2019	111		
EC4080	Formworks 2nd. fix (Fortification & Supporting)	2	17-Apr-2019	19-Apr-2019	111		
EC4090	Request For Inspection (RI)-PGESCo	1	19-Apr-2019	20-Apr-2019	111		
EC4100	Concrete Pouring (3rd. lift) for 220kV GIS Bldg Beams	1	20-Apr-2019	21-Apr-2019	111		
EC4110	Stripping Formworks	2	01-May-2019	02-May-2019	111		
Roof Slab, Frame Girder & Parapet		36	29-Mar-2019	04-May-2019	17	01-Mar-2019	28-Mar-2019
CNCAR040	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	21	29-Mar-2019	19-Apr-2019	-41	01-Mar-2019	22-Mar-2019
EC4130	Steel Fabrication (Cutting & Bending)	18	29-Mar-2019	16-Apr-2019	-41		
EC4140	Steel Installation & Fixing	15	02-Apr-2019	17-Apr-2019	-41		
EC4150	Formworks 2nd. fix (Fortification & Supporting)	2	17-Apr-2019	19-Apr-2019	-41		
EC4160	Request For Inspection (RI)-PGESCo	1	19-Apr-2019	20-Apr-2019	-41		
EC4170	Concrete Pouring for 220kv GIS Bldg Roof Slab & Frame Girder	1	20-Apr-2019	21-Apr-2019	-41		
CNCAR046	Parapet for 220kv GIS Bldg	5	24-Apr-2019	29-Apr-2019	22	22-Mar-2019	28-Mar-2019
EC4180	Stripping Formworks	3	01-May-2019	04-May-2019	-40		
Masonry Works		34	06-Apr-2019	10-May-2019	-41	29-Mar-2019	15-Apr-2019
CNCAR050	Masonry Works (CMU) for the outter walls till the (1st. level) of 220kv GIS Bldg & to be Acc. to specs	10	06-Apr-2019	16-Apr-2019	-37	29-Mar-2019	03-Apr-2019
CNCAR080	Masonry Works (CMU) for the outter walls till the (2nd. level) of 220kv GIS Bldg & to be Acc. to specs	10	16-Apr-2019	26-Apr-2019	-37	03-Apr-2019	09-Apr-2019
CNCAR090	Masonry Works (CMU) for the outter walls till the (3rd. level) of 220kv GIS Bldg & to be Acc. to specs	10	30-Apr-2019	10-May-2019	-41	09-Apr-2019	15-Apr-2019
Metal Works		10	10-May-2019	20-May-2019	94	15-Apr-2019	25-Apr-2019
EC1100	Steel Cage Ladders Installation	10	10-May-2019	20-May-2019	94	15-Apr-2019	25-Apr-2019
Insualtion Works		21	29-Apr-2019	20-May-2019	94	28-Mar-2019	18-Apr-2019
Roof		21	29-Apr-2019	20-May-2019	94	28-Mar-2019	18-Apr-2019
CNCAR047	Roofing System for 220kv GIS Bldg & to be Acc. to specs	21	29-Apr-2019	20-May-2019	94	28-Mar-2019	18-Apr-2019
Doors & Windows		21	25-May-2019	15-Jun-2019	68	21-Apr-2019	08-May-2019
CNCAR065	Installation (1st. Fix) Windows & Doors for 220kv GIS Bldg & Secondary Earthing & to be acc. to specs	14	25-May-2019	08-Jun-2019	68	21-Apr-2019	03-May-2019
CNCAR055	Installation (2nd. Fix) Windows & Doors and Accessories for 220kv GIS Bldg & Secondary Earthing & to be acc. to specs	7	08-Jun-2019	15-Jun-2019	68	03-May-2019	08-May-2019
Architectural Finishes		120	06-Apr-2019	04-Aug-2019	18	24-Mar-2019	08-May-2019



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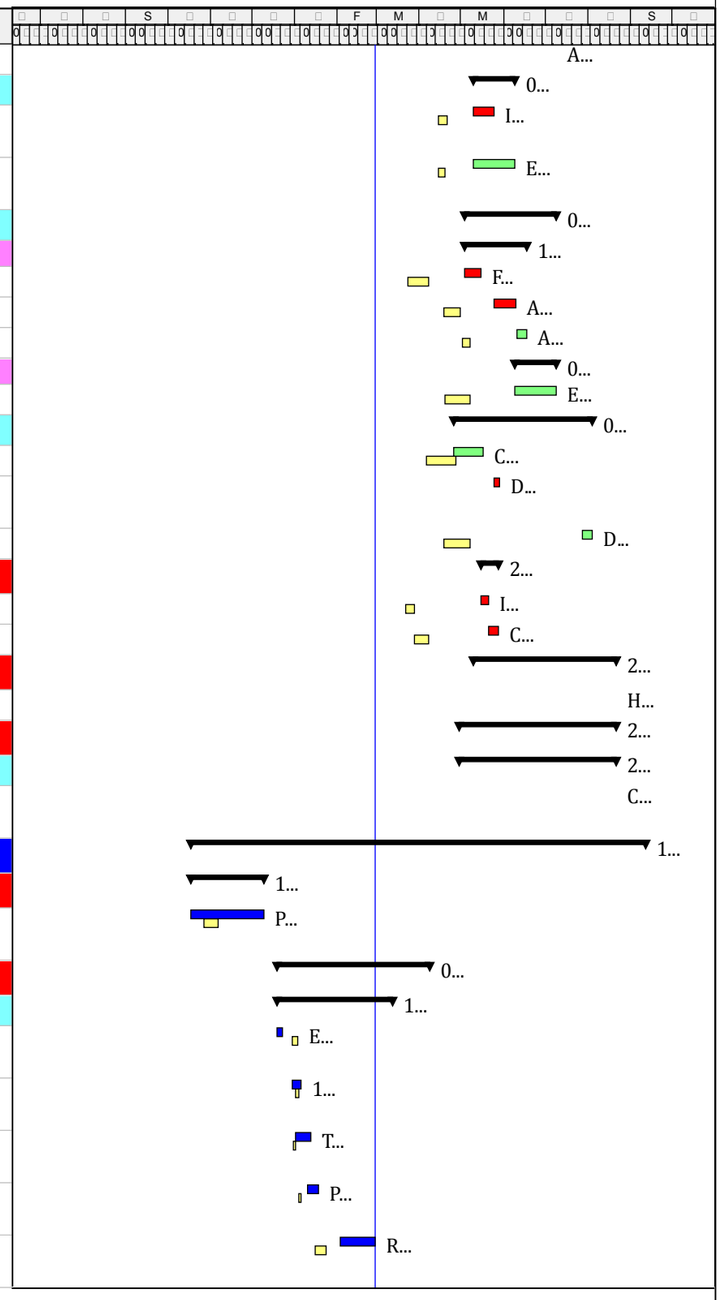
Data Date: 01-Mar-2019
Filter: Activities with Baseline Start on or after 01-Mar-2019
Layout: Critical Path Method

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCAR049LOE	Architectural Finishes	94	06-Apr-2019	09-Jul-2019	44	24-Mar-2019	08-May-2019
Cement Plaster Works		30	10-May-2019	09-Jun-2019	44	15-Apr-2019	21-Apr-2019
CNCAR062	Interior Side of Walls; Cement Plastering Works including accessories for 220kV GIS Bldg & to be acc. to specs	15	10-May-2019	25-May-2019	-41	15-Apr-2019	21-Apr-2019
CNCAR082	Exterior Side of Walls(Facades); Cement Plastering Works for 220kV GIS Bldg for 220kV GIS Bldg & to be acc. to specs	30	10-May-2019	09-Jun-2019	44	15-Apr-2019	20-Apr-2019
Painting Works		66	04-May-2019	09-Jul-2019	44	24-Mar-2019	08-May-2019
Interior Painting Works		45	04-May-2019	18-Jun-2019	65	24-Mar-2019	08-May-2019
CNCAR102	Finishing Works for the Roof Slab	12	04-May-2019	16-May-2019	-40	24-Mar-2019	08-Apr-2019
CNCAR052	Applying Primer Coats for 220kV GIS Bldg Walls	16	25-May-2019	10-Jun-2019	-41	19-Apr-2019	01-May-2019
CNCAR072	Applying Finishing Paint for 220kV GIS Bldg Walls	7	11-Jun-2019	18-Jun-2019	65	02-May-2019	08-May-2019
Exterior Painting Works		30	09-Jun-2019	09-Jul-2019	44	20-Apr-2019	08-May-2019
CNCAR100	External Painting Works for 220kV GIS Bldg	30	09-Jun-2019	09-Jul-2019	44	20-Apr-2019	08-May-2019
Flooring & Skirting Works		100	26-Apr-2019	04-Aug-2019	18	06-Apr-2019	08-May-2019
CNCAR190	Cladding works (skirting) for the designated walls	21	26-Apr-2019	17-May-2019	97	06-Apr-2019	28-Apr-2019
CNCAR1400	Dust Proof Epoxy Coating for the Floor under 220kV GIS Equipment Area	4	25-May-2019	29-May-2019	-41		
CNCAR060	Dust Proof Epoxy Coating for the Whole Floor of the 220kV GIS Bldg	7	28-Jul-2019	04-Aug-2019	18	19-Apr-2019	08-May-2019
Conveying System (Overhead Crane)		12	16-May-2019	28-May-2019	-40	22-Mar-2019	08-Apr-2019
EC1010	Installation & fixing of the Steel Girder (Rail) of the Overhead Crane	5	16-May-2019	21-May-2019	-40	22-Mar-2019	29-Mar-2019
CNCAR045	Crane System for 220kV GIS Bldg	7	21-May-2019	28-May-2019	-40	29-Mar-2019	08-Apr-2019
Mechanical Works		104	10-May-2019	21-Aug-2019	-21	15-Apr-2019	11-Jul-2019
EC1020	HVAC System Installation & to be acc. to specs & approved dwgs	104	10-May-2019	21-Aug-2019	-21	15-Apr-2019	11-Jul-2019
Electrical Works		114	30-Apr-2019	21-Aug-2019	-21	24-Jan-2019	11-Jul-2019
Interior Lighting & Power Distribution System (LV)		114	30-Apr-2019	21-Aug-2019	-21	24-Jan-2019	11-Jul-2019
CNCARE010	Conduiting, boxes, junctions, Wiring/Cabling, Installation of Fixtures, Power Outlets, Switches, etc..	114	30-Apr-2019	21-Aug-2019	-21	24-Jan-2019	11-Jul-2019
220kV GIS Control Building		318	18-Oct-2018 A	11-Sep-2019	-21	27-Oct-2018	11-Jul-2019
Deep Foundation (Piling works)		10	18-Oct-2018 A	10-Dec-2018 A		27-Oct-2018	06-Nov-2018
CNCAR101	Piling Work for 220kV GIS Control Building	10	18-Oct-2018 A	10-Dec-2018 A		27-Oct-2018	06-Nov-2018
Concrete Works		99	19-Dec-2018 A	09-Apr-2019	-21	30-Dec-2018	27-Feb-2019
Substructure Works		72	19-Dec-2018 A	13-Mar-2019	-16	30-Dec-2018	05-Feb-2019
EC1110	Excavation Works till (1.4m) under the foundation level	4	19-Dec-2018 A	23-Dec-2018 A		30-Dec-2018	03-Jan-2019
EC1130	1.0m Structural backfill layer	2	30-Dec-2018 A	06-Jan-2019 A		02-Jan-2019	04-Jan-2019
EC1120	Trimming Works of The Piles	2	02-Jan-2019 A	13-Jan-2019 A		31-Dec-2018	02-Jan-2019
EC1140	PC Works (40cm) layer	2	10-Jan-2019 A	18-Jan-2019 A		04-Jan-2019	06-Jan-2019
EC1150	RC Works of the Isolated Footings, G.B, Columns' Necks and RC Walls & Sleeves laying & secondary earthing	8	03-Feb-2019 A	28-Feb-2019 A		16-Jan-2019	24-Jan-2019



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Date	Revision	Checked	Approved
01-Feb-19	Issued for Baseline		
01-Mar-19	Issued for Baseline		
01-Jun-19	Issued for Update 01		
01-Jul-19	Issued for Update 02		
01-Oct-19	Issued for Update 03		

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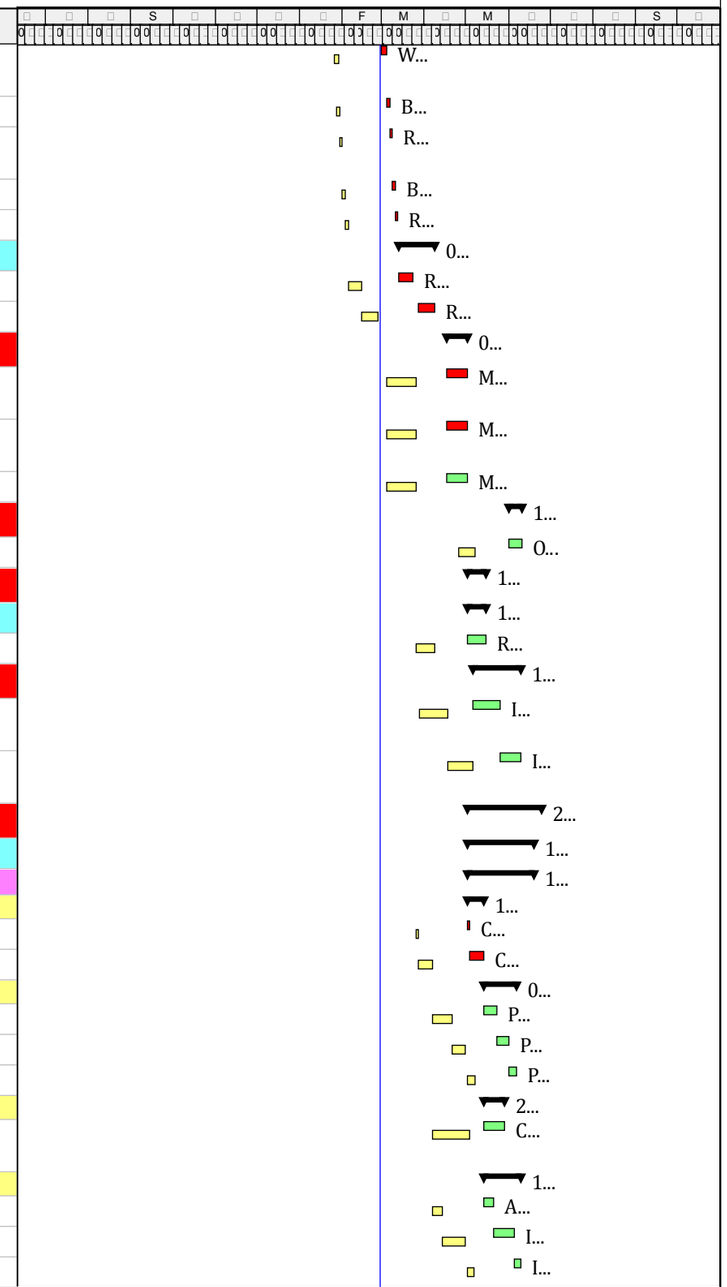
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
EC1160	Waterproof works for the Isolated Footings, G.B, RC Walls and Columns' Necks	4	01-Mar-2019	05-Mar-2019	-16	26-Jan-2019	29-Jan-2019
EC1170	Backfilling works till the underside of the lower Slab On Grade (SOG)	2	05-Mar-2019	07-Mar-2019	-16	28-Jan-2019	30-Jan-2019
EC1180	RC Works for the lower slab on grade (SOG) for (the Raised Access Floor System)	2	07-Mar-2019	09-Mar-2019	-16	30-Jan-2019	01-Feb-2019
EC1190	Backfilling Works till the underside of the Ground Floor Level	2	09-Mar-2019	11-Mar-2019	-16	01-Feb-2019	03-Feb-2019
EC1200	RC Works for the slab on grade of the ground floor	2	11-Mar-2019	13-Mar-2019	-16	03-Feb-2019	05-Feb-2019
Superstructure Works		26	14-Mar-2019	09-Apr-2019	-21	05-Feb-2019	27-Feb-2019
EC1155	RC Works for the Columns till the roof level	10	14-Mar-2019	24-Mar-2019	-17	05-Feb-2019	15-Feb-2019
EC1220	RC works of the roof framing system & slab	12	28-Mar-2019	09-Apr-2019	-21	15-Feb-2019	27-Feb-2019
Masonry Works		15	17-Apr-2019	02-May-2019	58	05-Mar-2019	26-Mar-2019
CNCAR680	Masonry Works (CMU) for the interior walls of the 220kv GIS Ctrl Bldg & to be Acc. to specs	15	17-Apr-2019	02-May-2019	-21	05-Mar-2019	26-Mar-2019
CNCAR850	Masonry Works (CMU) for the external walls of the 220kv GIS Ctrl Bldg & to be Acc. to specs	15	17-Apr-2019	02-May-2019	-21	05-Mar-2019	26-Mar-2019
CNCAR690	Masonry Works (CMU) for the Parapet	15	17-Apr-2019	02-May-2019	58	05-Mar-2019	26-Mar-2019
Metal Works		10	01-Jun-2019	11-Jun-2019	72	26-Apr-2019	08-May-2019
EC1040	Outter Steel Cage Ladder	10	01-Jun-2019	11-Jun-2019	72	26-Apr-2019	08-May-2019
Insualtion Works		14	02-May-2019	16-May-2019	98	26-Mar-2019	09-Apr-2019
Roof		14	02-May-2019	16-May-2019	98	26-Mar-2019	09-Apr-2019
CNCAR720	Roofing System for 220kV GIS Ctrl Building & to be Acc. to specs	14	02-May-2019	16-May-2019	98	26-Mar-2019	09-Apr-2019
Doors & Windows		35	06-May-2019	10-Jun-2019	73	29-Mar-2019	06-May-2019
CNCAR640	Installation of Frames For Windows & Doors for 220kV GIS Ctrl Building & Secondary Earthing & to be acc. to specs	20	06-May-2019	26-May-2019	73	29-Mar-2019	18-Apr-2019
CNCAR630	Installation of Windows & Doors and Accessories for220kV GIS Ctrl Building & Secondary Earthing & to be acc. to specs	15	26-May-2019	10-Jun-2019	73	18-Apr-2019	06-May-2019
Architectural Finishes		54	02-May-2019	25-Jun-2019	58	26-Mar-2019	08-May-2019
Interior Finishes		49	02-May-2019	19-Jun-2019	63	26-Mar-2019	08-May-2019
Relay Room		49	02-May-2019	19-Jun-2019	63	26-Mar-2019	08-May-2019
Cement Plaster Works		12	02-May-2019	14-May-2019	-21	26-Mar-2019	07-Apr-2019
220CBRR110	Cement Mortar Spattering Works	2	02-May-2019	04-May-2019	-21	26-Mar-2019	28-Mar-2019
220CBRR120	Cement Plastering Works	10	04-May-2019	14-May-2019	-21	28-Mar-2019	07-Apr-2019
Painting Works		24	14-May-2019	07-Jun-2019	76	07-Apr-2019	08-May-2019
220CBRR150	Preliminary Paste Coating & to be acc. to specs	10	14-May-2019	24-May-2019	76	07-Apr-2019	21-Apr-2019
220CBRR180	Painting Works for Primary Layers & to be acc. to specs	8	24-May-2019	01-Jun-2019	76	21-Apr-2019	01-May-2019
220CBRR130	Painting Works for the Final Layer & to be acc. to specs	6	01-Jun-2019	07-Jun-2019	76	02-May-2019	08-May-2019
Cladding/Skirting Works		15	14-May-2019	29-May-2019	85	07-Apr-2019	04-May-2019
220CBRR170	Ceramic or Eequivalent Cladding Works & to be acc. to specs & approved dwgs	15	14-May-2019	29-May-2019	85	07-Apr-2019	04-May-2019
Raised Access Floor System		27	14-May-2019	10-Jun-2019	73	07-Apr-2019	07-May-2019
220CBRR140	Applying Dust Proof Coating System	7	14-May-2019	21-May-2019	27	07-Apr-2019	14-Apr-2019
220CBRR160	Installation of the Metal Support System	15	21-May-2019	05-Jun-2019	73	14-Apr-2019	01-May-2019
220CBRR190	Installation of the specified floor tiles for the designated system	5	05-Jun-2019	10-Jun-2019	73	02-May-2019	07-May-2019



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BASE SCHEDULE
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CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
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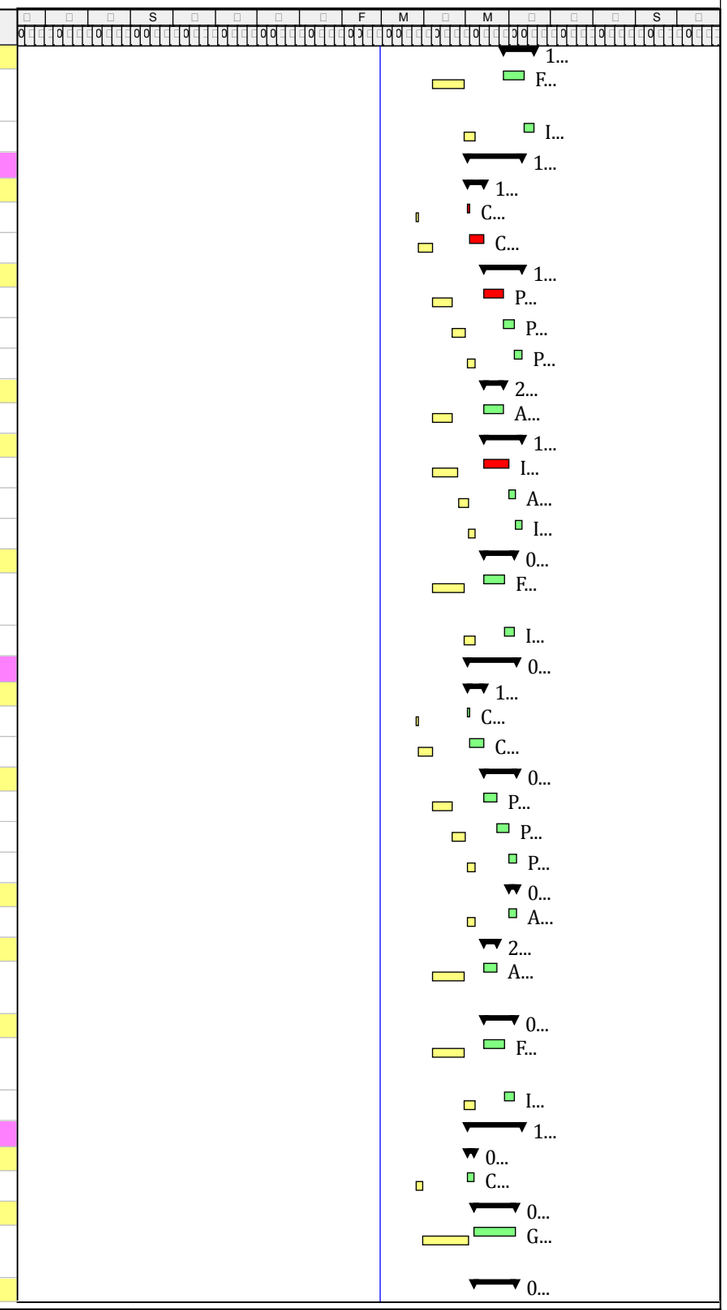
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
Suspended Ceiling Works		22	28-May-2019	19-Jun-2019	63	07-Apr-2019	08-May-2019
220CBRR100	FIXING OF THE METAL SUSPENDED SUPPORT GRID FOR THE FALSE CEILING	15	28-May-2019	12-Jun-2019	63	07-Apr-2019	30-Apr-2019
220CBRR200	Installation of the Acoustical Tiles	7	12-Jun-2019	19-Jun-2019	63	30-Apr-2019	08-May-2019
AC/DC Room		40	02-May-2019	11-Jun-2019	72	26-Mar-2019	08-May-2019
Cement Plaster Works		12	02-May-2019	14-May-2019	-7	26-Mar-2019	07-Apr-2019
220CBAD110	Cement Mortar Spattering Works	2	02-May-2019	04-May-2019	-7	26-Mar-2019	28-Mar-2019
220CBAD120	Cement Plastering Works	10	04-May-2019	14-May-2019	-7	28-Mar-2019	07-Apr-2019
Painting Works		28	14-May-2019	11-Jun-2019	72	07-Apr-2019	08-May-2019
220CBAD150	Preliminary Paste Coating & to be acc. to specs	14	14-May-2019	28-May-2019	-3	07-Apr-2019	21-Apr-2019
220CBAD180	Painting Works for Primary Layers & to be acc. to specs	8	28-May-2019	05-Jun-2019	72	21-Apr-2019	01-May-2019
220CBAD130	Painting Works for the Final Layer & to be acc. to specs	6	05-Jun-2019	11-Jun-2019	72	02-May-2019	08-May-2019
Cladding/Skirting Works		14	14-May-2019	28-May-2019	86	07-Apr-2019	21-Apr-2019
220CBAD170	Aluminum Skirting Works & to be acc. to specs & approved dwgs	14	14-May-2019	28-May-2019	86	07-Apr-2019	21-Apr-2019
Raised Access Floor System		28	14-May-2019	11-Jun-2019	72	07-Apr-2019	08-May-2019
220CBAD160	Installation of the Metal Support System	18	14-May-2019	01-Jun-2019	-7	07-Apr-2019	25-Apr-2019
220CBAD140	Applying Dust Proof Coating System	5	01-Jun-2019	06-Jun-2019	72	26-Apr-2019	03-May-2019
220CBAD190	Installation of the specified floor tiles for the designated system	5	06-Jun-2019	11-Jun-2019	72	03-May-2019	08-May-2019
Suspended Ceiling Works		22	14-May-2019	05-Jun-2019	78	07-Apr-2019	08-May-2019
220CBAD100	FIXING OF THE METAL SUSPENDED SUPPORT GRID FOR THE FALSE CEILING	15	14-May-2019	29-May-2019	78	07-Apr-2019	30-Apr-2019
220CBAD200	Installation of the Acoustical Tiles	7	29-May-2019	05-Jun-2019	78	30-Apr-2019	08-May-2019
Battery Room		36	02-May-2019	07-Jun-2019	76	26-Mar-2019	08-May-2019
Cement Plaster Works		12	02-May-2019	14-May-2019	6	26-Mar-2019	07-Apr-2019
220CBBR110	Cement Mortar Spattering Works	2	02-May-2019	04-May-2019	6	26-Mar-2019	28-Mar-2019
220CBBR120	Cement Plastering Works	10	04-May-2019	14-May-2019	6	28-Mar-2019	07-Apr-2019
Painting Works		24	14-May-2019	07-Jun-2019	76	07-Apr-2019	08-May-2019
220CBBR150	Preliminary Paste Coating & to be acc. to specs	10	14-May-2019	24-May-2019	6	07-Apr-2019	21-Apr-2019
220CBBR180	Painting Works for Primary Layers & to be acc. to specs	8	24-May-2019	01-Jun-2019	6	21-Apr-2019	01-May-2019
220CBBR130	Painting Works for the Final Layer & to be acc. to specs	6	01-Jun-2019	07-Jun-2019	76	02-May-2019	08-May-2019
Flooring System		6	01-Jun-2019	07-Jun-2019	6	02-May-2019	08-May-2019
220CBBR140	Applying Anti-Acid coating System	6	01-Jun-2019	07-Jun-2019	6	02-May-2019	08-May-2019
Cladding/Skirting Works		10	14-May-2019	24-May-2019	90	07-Apr-2019	30-Apr-2019
220CBBR170	Applying Anti-Acid coating System on Cement Plaster & to be acc. to specs & approved dwgs	10	14-May-2019	24-May-2019	90	07-Apr-2019	30-Apr-2019
Suspended Ceiling Works		22	14-May-2019	05-Jun-2019	78	07-Apr-2019	08-May-2019
220CBBR100	FIXING OF THE METAL SUSPENDED SUPPORT GRID FOR THE FALSE CEILING	15	14-May-2019	29-May-2019	78	07-Apr-2019	30-Apr-2019
220CBBR200	Installation of the Acoustical Tiles	7	29-May-2019	05-Jun-2019	78	30-Apr-2019	08-May-2019
Corridor		40	02-May-2019	11-Jun-2019	72	26-Mar-2019	08-May-2019
Cement Plaster Works		5	02-May-2019	07-May-2019	72	26-Mar-2019	31-Mar-2019
220CBC110	Cement Mortar Spattering Works	5	02-May-2019	07-May-2019	72	26-Mar-2019	31-Mar-2019
Cladding/Skirting Works		30	07-May-2019	06-Jun-2019	77	31-Mar-2019	03-May-2019
220CBC170	Granite Tiles Cladding Works for the clear height of the walls & to be acc. to specs & approved dwgs	30	07-May-2019	06-Jun-2019	77	31-Mar-2019	03-May-2019
Flooring System		30	07-May-2019	06-Jun-2019	77	31-Mar-2019	03-May-2019



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1 F...	Issued for Approval		
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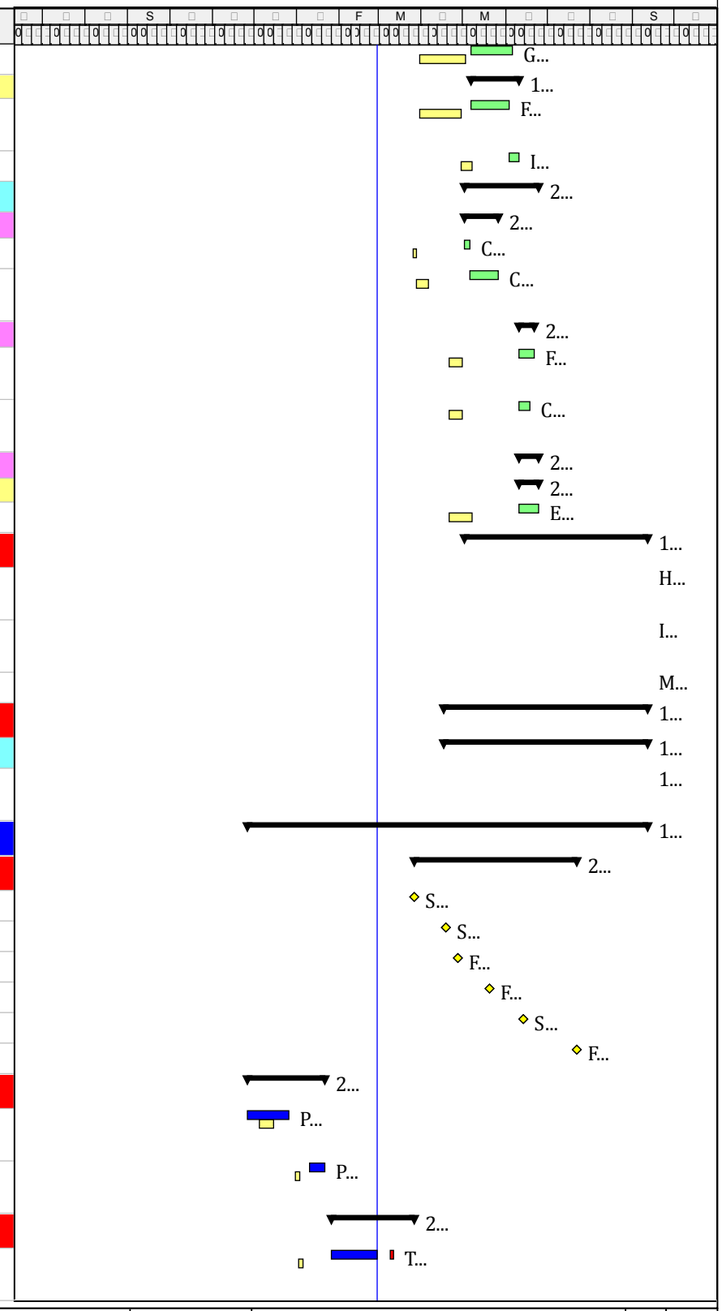
0 Jan...	Issued for Approval		
1 Jan...	Issued for Approval		
1 Oct 0...	Issued for Approval		

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
220CBC140	Granite Tiles Works	30	07-May-2019	06-Jun-2019	77	31-Mar-2019	03-May-2019
Suspended Ceiling Works		35	07-May-2019	11-Jun-2019	72	31-Mar-2019	08-May-2019
220CBC100	FIXING OF THE METAL SUSPENDED SUPPORT GRID FOR THE FALSE CEILING	28	07-May-2019	04-Jun-2019	72	31-Mar-2019	30-Apr-2019
220CBC200	Installation of the Acoustical Tiles	7	04-Jun-2019	11-Jun-2019	72	30-Apr-2019	08-May-2019
Exterior Finishes		54	02-May-2019	25-Jun-2019	58	26-Mar-2019	08-May-2019
Cement Plaster Works		25	02-May-2019	27-May-2019	58	26-Mar-2019	06-Apr-2019
CNCAR890	Cement Mortar Spattering Works	4	02-May-2019	06-May-2019	58	26-Mar-2019	29-Mar-2019
CNCAR870	Cement Plastering Works for 220kV GIS Ctrl Building & to be acc. to specs	21	06-May-2019	27-May-2019	58	29-Mar-2019	06-Apr-2019
Flooring & Skirting Works		11	11-Jun-2019	22-Jun-2019	61	21-Apr-2019	01-May-2019
CNCAR620	Flooring Works for the outter designated areas & to be acc. approved dwgs	11	11-Jun-2019	22-Jun-2019	61	21-Apr-2019	01-May-2019
CNCAR880	Cladding Works (Skirting) for the designated walls & to be acc. to the specs & approved dwgs	8	11-Jun-2019	19-Jun-2019	64	21-Apr-2019	01-May-2019
Painting Works		14	11-Jun-2019	25-Jun-2019	58	21-Apr-2019	08-May-2019
Exterior Painting Works		14	11-Jun-2019	25-Jun-2019	58	21-Apr-2019	08-May-2019
CNCAR670	External Painting Works for 220kV GIS Ctrl Building	14	11-Jun-2019	25-Jun-2019	58	21-Apr-2019	08-May-2019
Mechanical Works		133	02-May-2019	11-Sep-2019	-21	26-Mar-2019	11-Jul-2019
EC1050	HVAC System Installation (Ducting/Diffusers/Grills/Units/Exhaust Fans) & to be according to specs& approoved drawings	133	02-May-2019	11-Sep-2019	-21	26-Mar-2019	11-Jul-2019
EC1080	Installation of the Firefighting System (Pipes, fittings, sprinklers, etc.) T to be acc. to specs & approved dwgs	133	02-May-2019	11-Sep-2019	-21	26-Mar-2019	11-Jul-2019
EC1090	Miscllaneous Plumbing Works	133	02-May-2019	11-Sep-2019	-21	26-Mar-2019	11-Jul-2019
Electrical Works		148	17-Apr-2019	11-Sep-2019	-21	05-Mar-2019	11-Jul-2019
Low Current Works (Lighting & Power outlets, Fire Alarm System)		148	17-Apr-2019	11-Sep-2019	-21	05-Mar-2019	11-Jul-2019
CNCARE30	1st.fix; Conduiting, boxes, junctions,2nd.fix; Wiring/Cabling,3rd.fix; Installation of Fixtures, Power Outlets, Switches	148	17-Apr-2019	11-Sep-2019	-21	05-Mar-2019	11-Jul-2019
500kV GIS Building		279	26-Nov-2018 A	11-Sep-2019	-21	05-Dec-2018	11-Jul-2019
MileStones		118	27-Mar-2019	22-Jul-2019	30	26-Jan-2019	11-Jun-2019
EC3260	Start Milestone of Substructure Works	0	27-Mar-2019		148	26-Jan-2019	
EC3280	Start Milestone of Superstructure Works	0	18-Apr-2019		125	26-Feb-2019	
EC3310	Finish Milestone of Substructure Works	0		28-Apr-2019	116		25-Feb-2019
EC3270	Finish Milestone of Superstructure Works	0		20-May-2019	93		12-Apr-2019
EC3300	Start Milestone of Architectural Works	0	13-Jun-2019		69	27-Apr-2019	
EC3290	Finish Milestone of Architectural Works	0		22-Jul-2019	30		11-Jun-2019
Deep Foundation (Piling Works)		55	26-Nov-2018 A	21-Jan-2019 A		05-Dec-2018	03-Jan-2019
CNCAR210	Piling Work for 500kV GIS Building	10	26-Nov-2018 A	26-Dec-2018 A		05-Dec-2018	15-Dec-2018
CNCAR220	Piling Works (two new piles) for treating the flawed pile no.174	3	10-Jan-2019 A	21-Jan-2019 A		31-Dec-2018	03-Jan-2019
General Works & Testing		57	26-Jan-2019 A	27-Mar-2019	-30	02-Jan-2019	23-Jan-2019
CNCAR930	Trimming of the piles till the approved cut-off level and removal of the debris to the dump	3	26-Jan-2019 A	12-Mar-2019	-30	02-Jan-2019	05-Jan-2019



Primary Baseline
Critical Work
Remaining Work
Critical Remaining Work
Milestone
Summary

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BASELINE SCHEDULE
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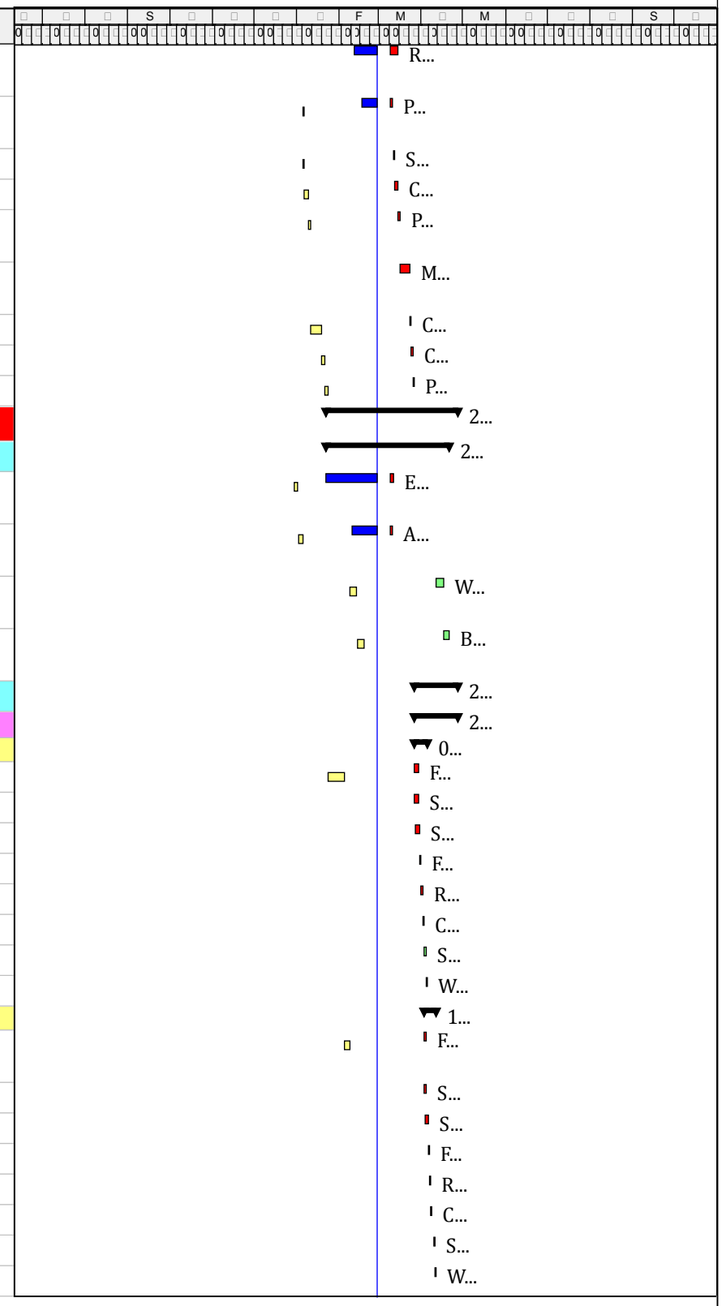
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCCV896	Repairing Works of Flawed Piles	7	12-Feb-2019 A	15-Mar-2019	-28		
SBW120	Pouring a P.C. Layer of 40cm thickness underneath RC Footing of the 500kV GIS whole area	1	17-Feb-2019 A	11-Mar-2019	-24	05-Jan-2019	06-Jan-2019
EC2760	Sonic Intergrity (SI) Test	1	12-Mar-2019	13-Mar-2019	-30	05-Jan-2019	06-Jan-2019
EC2770	CP-104 SI Test Results Report	2	13-Mar-2019	15-Mar-2019	-30	06-Jan-2019	09-Jan-2019
EC2780	PGESCo's Review of SI Test, Approval & Selection of Piles for Carrying Out the Loading Test	2	15-Mar-2019	17-Mar-2019	-30	09-Jan-2019	11-Jan-2019
CNCCV906	Making Temporary Pile Cap and conducting cylinders Comp. Test (80% of the Design Stress)	7	17-Mar-2019	24-Mar-2019	-30		
EC2790	Carrying out Loading Tests on the Selected Piles	1	24-Mar-2019	25-Mar-2019	-30	11-Jan-2019	19-Jan-2019
EC2800	CP-104 Loading Test Results Report	1	25-Mar-2019	26-Mar-2019	-30	19-Jan-2019	21-Jan-2019
EC2810	PGESCo's Review of Loading Test Results & Approval	1	26-Mar-2019	27-Mar-2019	-30	21-Jan-2019	23-Jan-2019
Substructure Works		118	22-Jan-2019 A	28-Apr-2019	116	30-Dec-2018	22-Feb-2019
Earth Works		111	22-Jan-2019 A	21-Apr-2019	23	30-Dec-2018	18-Feb-2019
EW1110	Excavating till receiving (1.40m depth) underneath the approved foundation level of the basement & surplus soil removal	7	22-Jan-2019 A	12-Mar-2019	-30	30-Dec-2018	02-Jan-2019
CNCAR940	Applying a (1.00m) thickness structural backfill layer & Compaction for the 500kv GIS Building	3	10-Feb-2019 A	11-Mar-2019	-24	02-Jan-2019	05-Jan-2019
CNCAR970	Waterproof Works for the Foundation, GradeBeams & Embedded Trench Walls & Columns' Necks	5	12-Apr-2019	17-Apr-2019	23	08-Feb-2019	13-Feb-2019
CNCAR980	Backfill and Compaction Works till the underside of the slab on grade (s.o.g)	4	17-Apr-2019	21-Apr-2019	23	14-Feb-2019	18-Feb-2019
Reinforced Concrete Works		32	27-Mar-2019	28-Apr-2019	116	23-Jan-2019	22-Feb-2019
Foundation LeveL		32	27-Mar-2019	28-Apr-2019	116	23-Jan-2019	22-Feb-2019
Isolated Footings and Grade Beams		10	27-Mar-2019	05-Apr-2019	138	23-Jan-2019	04-Feb-2019
CNCAR950	Formworks 1st. fix (Establishing Axes & Rough Carpentary)	3	27-Mar-2019	30-Mar-2019	-30	23-Jan-2019	04-Feb-2019
EC4670	Steel Fabrication (Cutting & Bending)	3	27-Mar-2019	30-Mar-2019	-30		
EC4680	Steel Installation & Fixing (For Footings)	3	28-Mar-2019	31-Mar-2019	-30		
EC4690	Formworks 2nd. fix (Fortification & Supporting)	1	31-Mar-2019	01-Apr-2019	-30		
EC4700	Request For Inspection (RI)-PGESCo	1	01-Apr-2019	02-Apr-2019	-30		
EC4710	Concrete Pouring	1	02-Apr-2019	03-Apr-2019	-30		
EC4720	Stripping Formworks	2	03-Apr-2019	04-Apr-2019	138		
SBW160	Waterproof Works for the Isolated Footings & Grade Beams	1	04-Apr-2019	05-Apr-2019	138		
Columns Necks		9	03-Apr-2019	12-Apr-2019	-30	04-Feb-2019	08-Feb-2019
SBW140	Formworks 1st. fix (Scaffolding, Establishing Axes & Rough Carpentary)	2	03-Apr-2019	05-Apr-2019	-30	04-Feb-2019	08-Feb-2019
EC4730	Steel Fabrication (Cutting & Bending)	2	03-Apr-2019	05-Apr-2019	-30		
EC4740	Steel Installation & Fixing (For Columns' Necks)	2	04-Apr-2019	06-Apr-2019	-30		
EC4750	Formworks 2nd. fix (Fortification & Supporting)	1	06-Apr-2019	07-Apr-2019	-30		
EC4760	Request For Inspection (RI)-PGESCo	1	07-Apr-2019	08-Apr-2019	-30		
EC4770	Concrete Pouring	1	08-Apr-2019	09-Apr-2019	-30		
EC4780	Stripping Formworks	1	10-Apr-2019	11-Apr-2019	-30		
EC4790	Waterproof works for the Columns' Necks	1	11-Apr-2019	12-Apr-2019	-30		



Original Baseline
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summer Break

Date	Revision		
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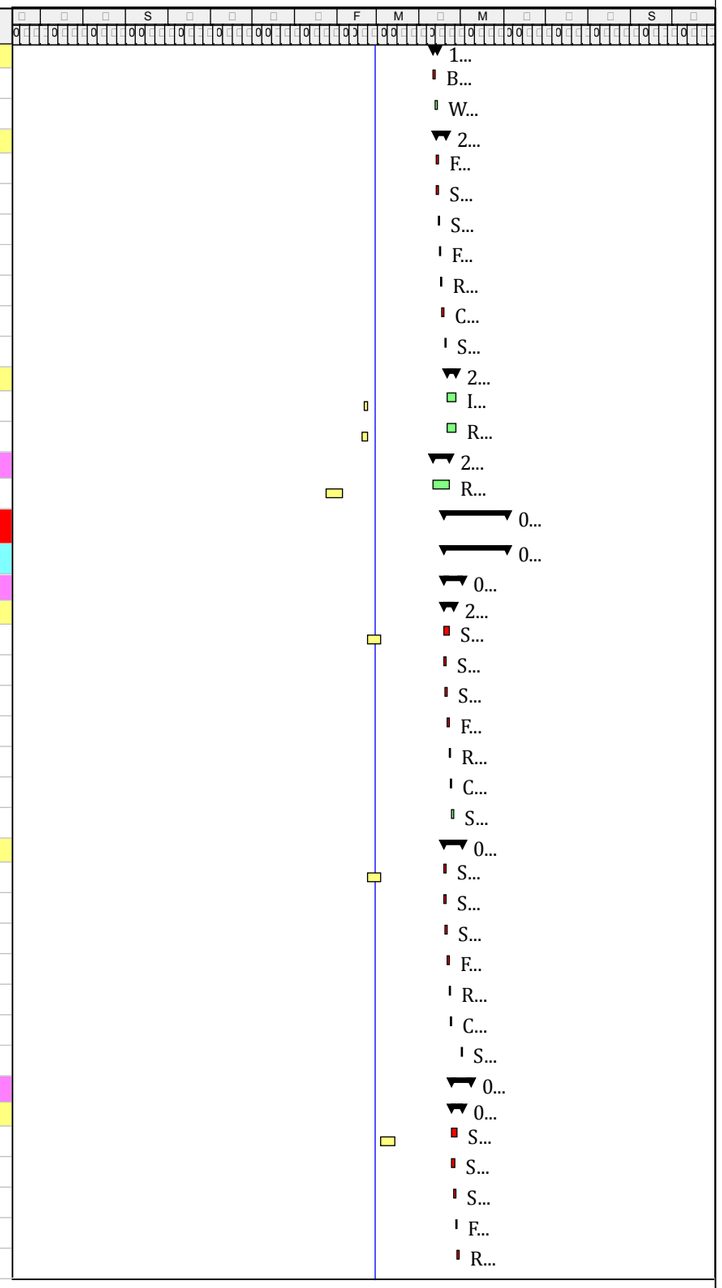
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
Masonry Walls Works Upto Ground Beams LeveL (G.B.L)		3	11-Apr-2019	14-Apr-2019	129		
EC4800	Building Masonry Wall till the underside of the Ground Beams	2	11-Apr-2019	12-Apr-2019	-30		
EC4810	Waterproof works for the Masonry Wall till G.B. LeveL	2	12-Apr-2019	14-Apr-2019	129		
Ground Beams at Ground Floor LeveL (G.F.L)		7	13-Apr-2019	20-Apr-2019	24		
CNCAR1380	Formworks 1st. fix (Establishing Axes & Rough Carpentary)	1	13-Apr-2019	14-Apr-2019	-30		
EC4820	Steel Fabrication (Cutting & Bending)	1	13-Apr-2019	14-Apr-2019	-30		
EC4830	Steel Installation & Fixing (for footings, and Columns Dewells)	1	14-Apr-2019	15-Apr-2019	-30		
EC4840	Formworks 2nd. fix (Fortification & Supporting)	1	15-Apr-2019	16-Apr-2019	-30		
EC4850	Request For Inspection (RI)-PGESCo	1	16-Apr-2019	17-Apr-2019	-30		
EC4860	Concrete Pouring	1	17-Apr-2019	18-Apr-2019	-30		
EC4870	Stripping Formworks	1	19-Apr-2019	20-Apr-2019	24		
Slab On Grade (S.O.G) at (G.F.L)		7	21-Apr-2019	28-Apr-2019	27	18-Feb-2019	22-Feb-2019
EC2820	Installation & fixing of the embedded plates in the ground floor slab	7	21-Apr-2019	28-Apr-2019	27	20-Feb-2019	22-Feb-2019
CNCAR1010	RC Works for the slab on grade (Building floor)	7	21-Apr-2019	28-Apr-2019	23	18-Feb-2019	22-Feb-2019
Embedded Trench		12	11-Apr-2019	23-Apr-2019	23	23-Jan-2019	04-Feb-2019
SBW130	RC Works of the Embedded Trench & Secondary Earthing	12	11-Apr-2019	23-Apr-2019	23	23-Jan-2019	04-Feb-2019
Superstructure Works		46	18-Apr-2019	03-Jun-2019	79	22-Feb-2019	14-Apr-2019
Reinforced Concrete Works		46	18-Apr-2019	03-Jun-2019	79	22-Feb-2019	14-Apr-2019
1st. Lift Till LeveL (+4.70m)		14	18-Apr-2019	02-May-2019	111	22-Feb-2019	04-Mar-2019
Columns		7	18-Apr-2019	25-Apr-2019	118	22-Feb-2019	04-Mar-2019
CNCAR1060	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	4	18-Apr-2019	22-Apr-2019	-30	22-Feb-2019	04-Mar-2019
EC4560	Steel Fabrication (Cutting & Bending)	2	18-Apr-2019	20-Apr-2019	-30		
EC4570	Steel Installation & Fixing	2	19-Apr-2019	21-Apr-2019	-30		
EC4580	Formworks 2nd. fix (Fortification & Supporting)	1	21-Apr-2019	22-Apr-2019	-30		
EC4590	Request For Inspection (RI)-PGESCo	1	22-Apr-2019	23-Apr-2019	-30		
CNCAR1360	Concrete Pouring (1st. lift) for 500kV GIS Bldg Columns	1	23-Apr-2019	24-Apr-2019	-30		
EC4600	Stripping Formworks	1	24-Apr-2019	25-Apr-2019	118		
Beams		14	18-Apr-2019	02-May-2019	34	22-Feb-2019	04-Mar-2019
CNCAR1070	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	2	18-Apr-2019	20-Apr-2019	-30	22-Feb-2019	04-Mar-2019
EC4610	Steel Fabrication (Cutting & Bending)	2	18-Apr-2019	20-Apr-2019	-30		
EC4620	Steel Installation & Fixing	2	19-Apr-2019	21-Apr-2019	-30		
EC4630	Formworks 2nd. fix (Fortification & Supporting)	1	21-Apr-2019	22-Apr-2019	-30		
EC4640	Request For Inspection (RI)-PGESCo	1	22-Apr-2019	23-Apr-2019	-30		
EC4650	Concrete Pouring (1st. lift) for 500kV GIS Bldg Beams	1	23-Apr-2019	24-Apr-2019	-30		
EC4660	Stripping Formworks	1	01-May-2019	02-May-2019	34		
2nd. Lift Till LeveL (+9.66m)		14	24-Apr-2019	08-May-2019	105	04-Mar-2019	14-Mar-2019
Columns		8	24-Apr-2019	02-May-2019	111	04-Mar-2019	14-Mar-2019
CNCAR1080	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	4	24-Apr-2019	28-Apr-2019	-30	04-Mar-2019	14-Mar-2019
EC4880	Steel Fabrication (Cutting & Bending)	2	24-Apr-2019	26-Apr-2019	-14		
EC4890	Steel Installation & Fixing	2	25-Apr-2019	27-Apr-2019	-14		
EC4900	Formworks 2nd. fix (Fortification & Supporting)	1	27-Apr-2019	28-Apr-2019	-14		
EC4910	Request For Inspection (RI)-PGESCo	1	28-Apr-2019	29-Apr-2019	-14		



Primary Baseline
Critical Activity
Remaining Work
Critical Remaining Work
Milestone
Summary

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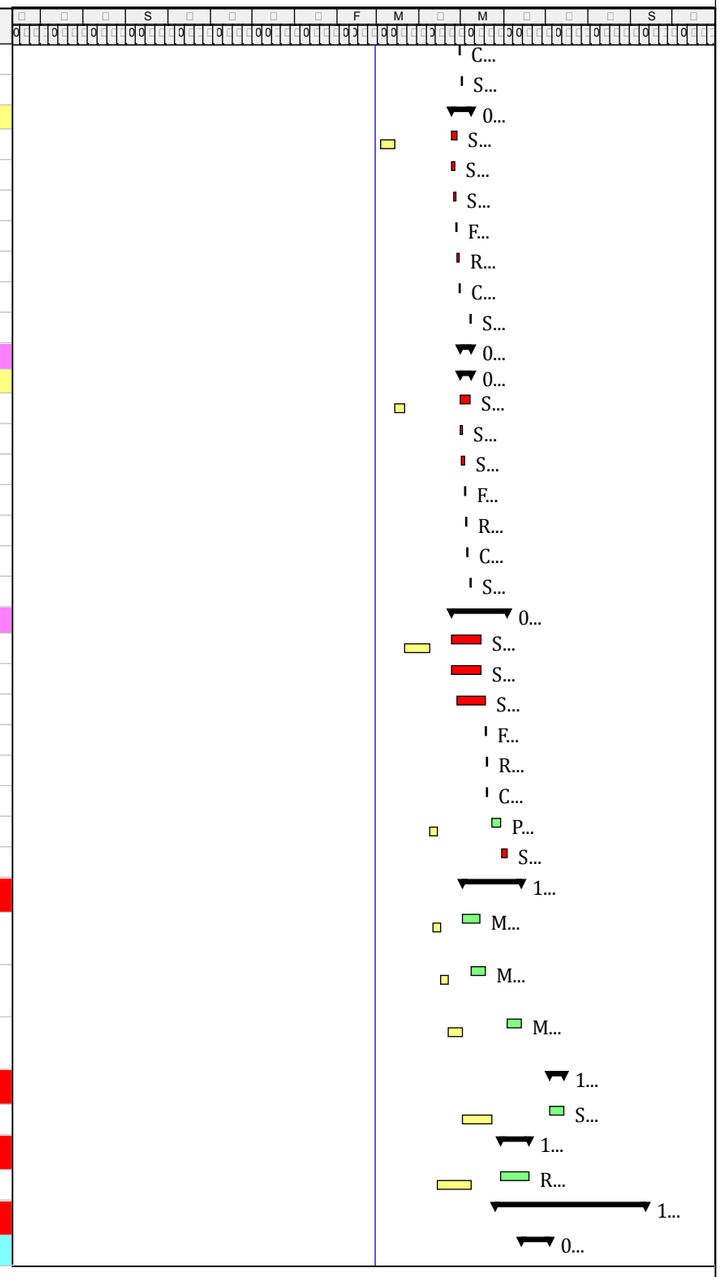
Date	Revision	Checked	Approved
01 Feb 2019	Issued for Baseline		
01 Mar 2019	Issued for Baseline		
01 Jun 2019	Issued for Baseline		
01 Jul 2019	Issued for Baseline		
01 Oct 2019	Issued for Baseline		

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
EC4920	Concrete Pouring (2nd. lift) for 500kV GIS Bldg Beams	1	29-Apr-2019	30-Apr-2019	-14		
EC4930	Stripping Formworks	1	01-May-2019	02-May-2019	111		
Beams		14	24-Apr-2019	08-May-2019	30	04-Mar-2019	14-Mar-2019
CNCAR1090	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	4	24-Apr-2019	28-Apr-2019	-14	04-Mar-2019	14-Mar-2019
EC4940	Steel Fabrication (Cutting & Bending)	2	24-Apr-2019	26-Apr-2019	-14		
EC4950	Steel Installation & Fixing	2	25-Apr-2019	27-Apr-2019	-14		
EC4960	Formworks 2nd. fix (Fortification & Supporting)	1	27-Apr-2019	28-Apr-2019	-14		
EC4970	Request For Inspection (RI)-PGESCo	1	28-Apr-2019	29-Apr-2019	-14		
EC4980	Concrete Pouring (2nd. lift) for 500kV GIS Bldg Beams	1	29-Apr-2019	30-Apr-2019	-14		
EC4990	Stripping Formworks	1	07-May-2019	08-May-2019	30		
3rd. Lift Till LeveL (+14.10m)		8	30-Apr-2019	08-May-2019	105	14-Mar-2019	21-Mar-2019
Columns		8	30-Apr-2019	08-May-2019	105	14-Mar-2019	21-Mar-2019
CNCAR1100	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	7	30-Apr-2019	07-May-2019	-14	14-Mar-2019	21-Mar-2019
EC5000	Steel Fabrication (Cutting & Bending)	2	30-Apr-2019	02-May-2019	-14		
EC5010	Steel Installation & Fixing	2	01-May-2019	03-May-2019	-14		
EC5020	Formworks 2nd. fix (Fortification & Supporting)	1	03-May-2019	04-May-2019	-14		
EC5030	Request For Inspection (RI)-PGESCo	1	04-May-2019	05-May-2019	-14		
EC5040	Concrete Pouring (3rd. lift) for 500kV GIS Bldg Beams	1	05-May-2019	06-May-2019	-14		
EC5050	Stripping Formworks	1	07-May-2019	08-May-2019	105		
Roof Slab, Tie Beams, Frame Girder & Parapet		40	24-Apr-2019	03-Jun-2019	49	21-Mar-2019	14-Apr-2019
CNCAR1110	Setting-up Scaffolding & Formworks 1st. fix (Rough Carpentary)	21	24-Apr-2019	15-May-2019	-30	21-Mar-2019	08-Apr-2019
EC5060	Steel Fabrication (Cutting & Bending)	21	24-Apr-2019	15-May-2019	-24		
EC5070	Steel Installation & Fixing	20	28-Apr-2019	18-May-2019	-24		
EC5080	Formworks 2nd. fix (Fortification & Supporting)	1	18-May-2019	19-May-2019	-24		
EC5090	Request For Inspection (RI)-PGESCo	1	19-May-2019	20-May-2019	-24		
EC5100	Concrete Pouring for 500kV GIS Bldg Roof Slab & Frame Girder	1	19-May-2019	20-May-2019	-24		
CNCAR1130	Parapet for 500kV GIS Bldg	6	23-May-2019	29-May-2019	54	08-Apr-2019	14-Apr-2019
EC5110	Stripping Formworks	4	30-May-2019	03-Jun-2019	-24		
Masonry Works		42	02-May-2019	13-Jun-2019	4	11-Apr-2019	02-May-2019
CNCAR1170	Masonry Works (CMU) for the outter walls till the (1st. level) of 500kV GIS Bldg & to be Acc. to specs	12	02-May-2019	14-May-2019	34	11-Apr-2019	16-Apr-2019
CNCAR1180	Masonry Works (CMU) for the outter walls till the (2nd. level) of 500kV GIS Bldg & to be Acc. to specs	10	08-May-2019	18-May-2019	30	16-Apr-2019	22-Apr-2019
CNCAR1190	Masonry Works (CMU) for the outter walls till the (3rd. level) of 500kV GIS Bldg & to be Acc. to specs	10	03-Jun-2019	13-Jun-2019	4	22-Apr-2019	02-May-2019
Metal Works		10	04-Jul-2019	14-Jul-2019	38	02-May-2019	23-May-2019
EC2830	Steel Cage Ladder Installation	10	04-Jul-2019	14-Jul-2019	38	02-May-2019	23-May-2019
Insualtion Works		21	29-May-2019	19-Jun-2019	63	14-Apr-2019	08-May-2019
CNCAR1140	Roofing System for 500kV GIS Bldg & to be Acc. to specs	21	29-May-2019	19-Jun-2019	63	14-Apr-2019	08-May-2019
Architectural Finishes		109	25-May-2019	11-Sep-2019	-21	18-Apr-2019	08-Jun-2019
Cement Plaster Works		21	13-Jun-2019	04-Jul-2019	27	02-May-2019	20-May-2019



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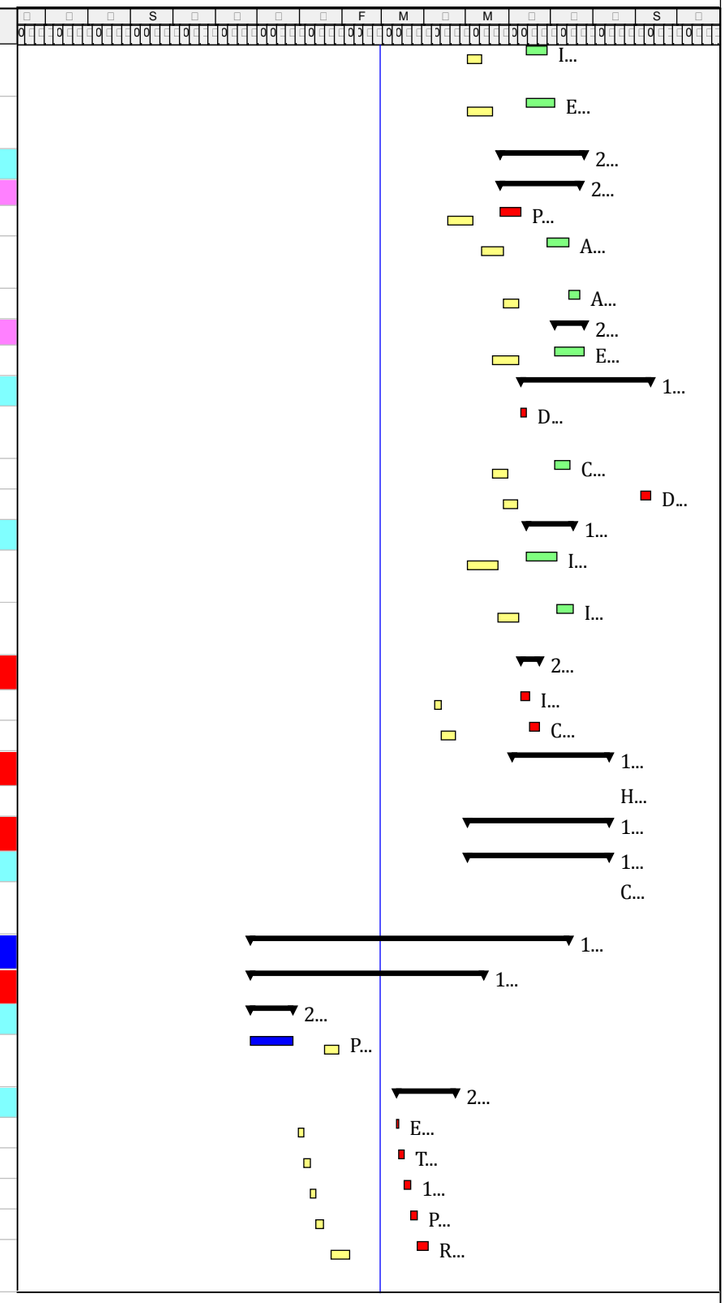
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

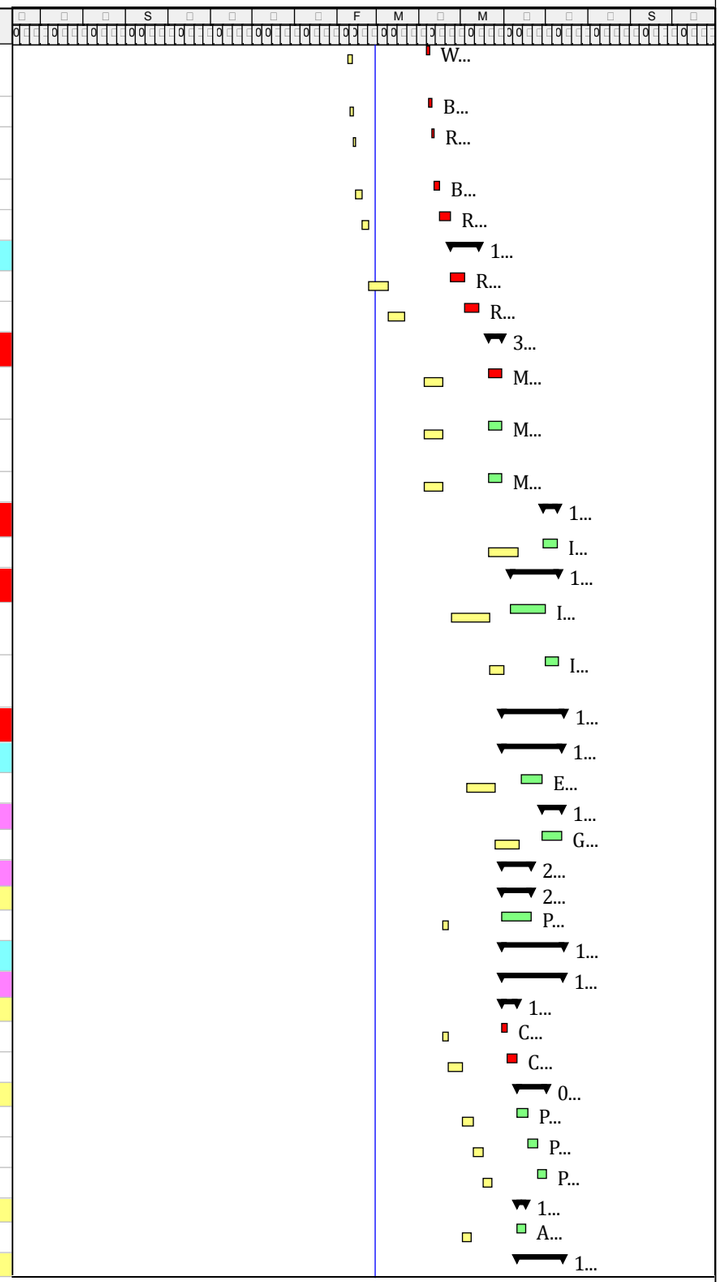
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCAR1200	Interior Side of Walls; Cement Plastering Works including accessories for 500kV GIS Bldg & to be acc. to specs	15	13-Jun-2019	28-Jun-2019	4	02-May-2019	12-May-2019
CNCAR1210	Exterior Side of Walls(Facades); Cement Plastering Works for 500kV GIS Bldg for 500kV GIS Bldg & to be acc. to specs	21	13-Jun-2019	04-Jul-2019	27	02-May-2019	20-May-2019
Painting Works		61	25-May-2019	25-Jul-2019	27	18-Apr-2019	08-Jun-2019
Interior Painting Works		58	25-May-2019	22-Jul-2019	30	18-Apr-2019	08-Jun-2019
CNCAR1220	Painting Works for the Roof Slab	15	25-May-2019	09-Jun-2019	-30	18-Apr-2019	06-May-2019
CNCAR1230	Applying Preliminary Putty & Primer Coats & to be acc. to specs for 500kV GIS Bldg	16	28-Jun-2019	14-Jul-2019	30	12-May-2019	28-May-2019
CNCAR1240	Applying Finishing Paint & to be acc. to specs for 500kV GIS Bldg	8	14-Jul-2019	22-Jul-2019	30	28-May-2019	08-Jun-2019
External Painting Works		21	04-Jul-2019	25-Jul-2019	27	20-May-2019	08-Jun-2019
CNCAR1250	External Painting Works for 500kV GIS Bldg	21	04-Jul-2019	25-Jul-2019	27	20-May-2019	08-Jun-2019
Flooring & Skirting Works		94	09-Jun-2019	11-Sep-2019	-21	20-May-2019	07-Jun-2019
CNCAR1410	Dust Proof Epoxy Coating for the Floor under 500kV GIS Equipments Only	4	09-Jun-2019	13-Jun-2019	-20		
CNCAR1260	Cladding works (Skirting) for the designated walls	11	04-Jul-2019	15-Jul-2019	37	20-May-2019	31-May-2019
CNCAR1270	Dust Proof Epoxy Coating for the Whole Floor of the 500kV GIS Bldg	7	04-Sep-2019	11-Sep-2019	-21	28-May-2019	07-Jun-2019
Doors & Windows		34	13-Jun-2019	17-Jul-2019	35	02-May-2019	08-Jun-2019
CNCAR1150	Installation of Frames For Windows & Doors for 500kV GIS Bldg & Secondary Earthing & to be acc. to specs	22	13-Jun-2019	05-Jul-2019	35	02-May-2019	24-May-2019
CNCAR1160	Installation of Windows & Doors and Accessories for 500kV GIS Bldg & Secondary Earthing & to be acc. to specs	12	05-Jul-2019	17-Jul-2019	35	24-May-2019	08-Jun-2019
Conveying System		14	09-Jun-2019	23-Jun-2019	-30	08-Apr-2019	23-Apr-2019
EC2840	Installation & fixing of the Steel Girder (Rail) of the Overhead Crane	7	09-Jun-2019	16-Jun-2019	-30	08-Apr-2019	13-Apr-2019
CNCAR1280	Crane System for 500kV GIS Bldg	7	16-Jun-2019	23-Jun-2019	-30	13-Apr-2019	23-Apr-2019
Mechanical Works		70	03-Jun-2019	12-Aug-2019	-21	22-Apr-2019	11-Jul-2019
EC2860	HVAC System Installation & to be acc. to specs & approved dwgs	70	03-Jun-2019	12-Aug-2019	-21	22-Apr-2019	11-Jul-2019
Electrical Works		102	02-May-2019	12-Aug-2019	-21	11-Apr-2019	11-Jul-2019
Interior Lighting & Power Distribution Works (LV)		102	02-May-2019	12-Aug-2019	-21	11-Apr-2019	11-Jul-2019
CNCARE50	Conduiting, boxes, junctions, Wiring/Cabling, Installation of Fixtures, Power Outlets, Switches, etc..	102	02-May-2019	12-Aug-2019	-21	11-Apr-2019	11-Jul-2019
500kV GIS Control Building		177	26-Nov-2018 A	15-Jul-2019	38	31-Dec-2018	12-Jun-2019
Concrete Works		115	26-Nov-2018 A	14-May-2019	-24	31-Dec-2018	21-Mar-2019
Deep Foundation (Piling Works)		10	26-Nov-2018 A	27-Dec-2018 A		19-Jan-2019	29-Jan-2019
EC1230	Piling Works for the 500kV GIS Ctrl Bldg	10	26-Nov-2018 A	27-Dec-2018 A		19-Jan-2019	29-Jan-2019
Sub-Structure Works		43	12-Mar-2019	24-Apr-2019	-24	31-Dec-2018	23-Feb-2019
EC2870	Excavation Works till (1.4m) under the foundation level	2	12-Mar-2019	14-Mar-2019	-24	31-Dec-2018	04-Jan-2019
EC2880	Trimming Works of The Piles	4	14-Mar-2019	18-Mar-2019	-24	04-Jan-2019	09-Jan-2019
EC2890	1.0m Structural backfill layer (backfill & compaction)	4	18-Mar-2019	22-Mar-2019	-24	09-Jan-2019	13-Jan-2019
EC2900	PC Works (40cm) layer	5	22-Mar-2019	27-Mar-2019	-24	13-Jan-2019	18-Jan-2019
EC2910	RC Works of the Isolated Footings, G.B, Columns' Necks and RC Walls & Sleeves laying & secondary earthing	8	27-Mar-2019	04-Apr-2019	-24	23-Jan-2019	06-Feb-2019



Primary Baseline
Critical Remaining Work
Milestone
Critical Work
Remaining Work
Secondary

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
EC2990	Waterproof works for the Isolated Footings, G.B, RC Walls and Columns' Necks	3	06-Apr-2019	09-Apr-2019	-24	08-Feb-2019	11-Feb-2019
EC2920	Backfilling works till the underside of the lower Slab On Grade (SOG)	2	08-Apr-2019	10-Apr-2019	-24	10-Feb-2019	12-Feb-2019
EC2930	RC Works for the lower slab on grade (SOG) for (the Raised Access Floor System)	2	10-Apr-2019	12-Apr-2019	-24	12-Feb-2019	14-Feb-2019
EC2940	Backfilling Works till the underside of the Ground Floor Level	4	12-Apr-2019	16-Apr-2019	-24	14-Feb-2019	18-Feb-2019
EC2950	RC Works for the slab on grade of the ground floor	8	16-Apr-2019	24-Apr-2019	-24	18-Feb-2019	23-Feb-2019
Superstructure Works		20	24-Apr-2019	14-May-2019	-24	23-Feb-2019	21-Mar-2019
EC2960	RC Works for the Columns till the specified level	10	24-Apr-2019	04-May-2019	-24	23-Feb-2019	09-Mar-2019
EC2970	RC works of the roof framing system & slab	10	04-May-2019	14-May-2019	-24	09-Mar-2019	21-Mar-2019
Masonry Works		10	21-May-2019	31-May-2019	83	04-Apr-2019	18-Apr-2019
CNCAR1290	Masonry Works (CMU) for the interior walls of the 500kV Ctrl Bldg & to be Acc. to specs	10	21-May-2019	31-May-2019	-24	04-Apr-2019	18-Apr-2019
CNCAR1300	Masonry Works (CMU) for the external walls of the 500kV Ctrl Bldg & to be Acc. to specs	10	21-May-2019	31-May-2019	32	04-Apr-2019	18-Apr-2019
CNCAR1310	Masonry Works (CMU) for the Parapet	10	21-May-2019	31-May-2019	83	04-Apr-2019	18-Apr-2019
Metal Works		10	30-Jun-2019	10-Jul-2019	43	21-May-2019	11-Jun-2019
EC1330	Installation of Outter Steel Cage Ladder	10	30-Jun-2019	10-Jul-2019	43	21-May-2019	11-Jun-2019
Doors & Windows		35	06-Jun-2019	11-Jul-2019	42	24-Apr-2019	01-Jun-2019
CNCAR1330	Installation of Frames For Windows & Doors for 500kV GIS Ctrl Building & Secondary Earthing & to be acc. to specs	25	06-Jun-2019	01-Jul-2019	42	24-Apr-2019	22-May-2019
CNCAR1340	Installation of Windows & Doors and Accessories for 500kV GIS Ctrl Building & Secondary Earthing & to be acc. to specs	10	01-Jul-2019	11-Jul-2019	42	22-May-2019	01-Jun-2019
Architectural Works		45	31-May-2019	15-Jul-2019	38	18-Apr-2019	12-Jun-2019
Exterior Finishes		43	31-May-2019	13-Jul-2019	40	18-Apr-2019	12-Jun-2019
EC3000	Exterior Cement Plastering Works	15	14-Jun-2019	29-Jun-2019	40	05-May-2019	26-May-2019
Flooring & Skirting Works		14	29-Jun-2019	13-Jul-2019	40	26-May-2019	12-Jun-2019
CNCAR486	Granite cladding for Walls for 500kV Control Bldg	14	29-Jun-2019	13-Jul-2019	40	26-May-2019	12-Jun-2019
Painting Works		21	31-May-2019	21-Jun-2019	62	18-Apr-2019	21-Apr-2019
External Painting Works		21	31-May-2019	21-Jun-2019	62	18-Apr-2019	21-Apr-2019
CNCAR490	Painting for 500kV Control Bldg	21	31-May-2019	21-Jun-2019	62	18-Apr-2019	21-Apr-2019
Interior Finishes		45	31-May-2019	15-Jul-2019	38	18-Apr-2019	08-Jun-2019
Communication Room		44	31-May-2019	14-Jul-2019	39	18-Apr-2019	07-Jun-2019
Cement Plaster Works		11	31-May-2019	11-Jun-2019	-24	18-Apr-2019	02-May-2019
500CT480	Cement Mortar Spattering Works	4	31-May-2019	04-Jun-2019	-24	18-Apr-2019	22-Apr-2019
500CT470	Cement Plastering Works	7	04-Jun-2019	11-Jun-2019	-24	22-Apr-2019	02-May-2019
Painting Works		21	11-Jun-2019	02-Jul-2019	51	02-May-2019	23-May-2019
500CT500	Preliminary Putty Coating & to be acc. to specs	8	11-Jun-2019	19-Jun-2019	51	02-May-2019	10-May-2019
500CT510	Painting Works for Primary Layers & to be acc. to specs	7	19-Jun-2019	26-Jun-2019	51	10-May-2019	17-May-2019
500CT490	Painting Works for the Final Layer & to be acc. to specs	6	26-Jun-2019	02-Jul-2019	51	17-May-2019	23-May-2019
Cladding/Skirting Works		6	11-Jun-2019	17-Jun-2019	66	02-May-2019	08-May-2019
500CT520	Aluminum Skirting Works & to be acc. to specs & approved dwgs	6	11-Jun-2019	17-Jun-2019	66	02-May-2019	08-May-2019
Raised Access Floor System		33	11-Jun-2019	14-Jul-2019	39	02-May-2019	07-Jun-2019



Critical Baseline
Critical Work
Remaining Work
Critical Remaining Work
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Summary

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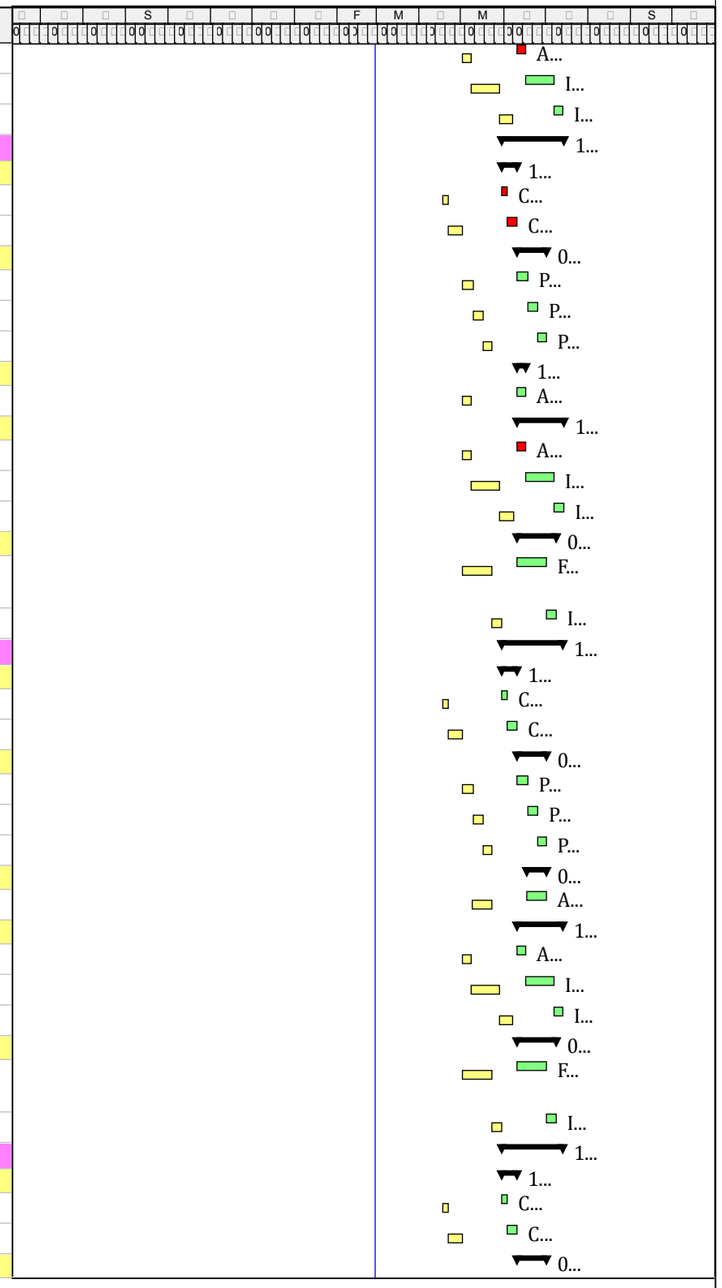
Date | Revision | Check | Approved

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
500CT530	Applying Dust Proof Coating System	6	11-Jun-2019	17-Jun-2019	-24	02-May-2019	08-May-2019
500CT540	Installation of the Metal Support System	21	17-Jun-2019	08-Jul-2019	39	08-May-2019	29-May-2019
500CT550	Installation of the specified floor tiles for the designated system	6	08-Jul-2019	14-Jul-2019	39	29-May-2019	07-Jun-2019
AC/DC Room		45	31-May-2019	15-Jul-2019	38	18-Apr-2019	08-Jun-2019
Cement Plaster Works		11	31-May-2019	11-Jun-2019	-23	18-Apr-2019	02-May-2019
500CT230	Cement Mortar Spattering Works	4	31-May-2019	04-Jun-2019	-23	18-Apr-2019	22-Apr-2019
500CT240	Cement Plastering Works	7	04-Jun-2019	11-Jun-2019	-23	22-Apr-2019	02-May-2019
Painting Works		21	11-Jun-2019	02-Jul-2019	51	02-May-2019	23-May-2019
500CT250	Preliminary Paste Coating & to be acc. to specs	8	11-Jun-2019	19-Jun-2019	51	02-May-2019	10-May-2019
500CT260	Painting Works for Primary Layers & to be acc. to specs	7	19-Jun-2019	26-Jun-2019	51	10-May-2019	17-May-2019
500CT270	Painting Works for the Final Layer & to be acc. to specs	6	26-Jun-2019	02-Jul-2019	51	17-May-2019	23-May-2019
Cladding/Skirting Works		6	11-Jun-2019	17-Jun-2019	66	02-May-2019	08-May-2019
500CT310	Aluminum Skirting Works & to be acc. to specs & approved dwgs	6	11-Jun-2019	17-Jun-2019	66	02-May-2019	08-May-2019
Raised Access Floor System		34	11-Jun-2019	15-Jul-2019	38	02-May-2019	08-Jun-2019
500CT300	Applying Dust Proof Coating System	6	11-Jun-2019	17-Jun-2019	-23	02-May-2019	08-May-2019
500CT280	Installation of the Metal Support System	21	17-Jun-2019	08-Jul-2019	38	08-May-2019	29-May-2019
500CT290	Installation of the specified floor tiles for the designated system	7	08-Jul-2019	15-Jul-2019	38	29-May-2019	08-Jun-2019
Suspended Ceiling Works		28	11-Jun-2019	09-Jul-2019	44	02-May-2019	30-May-2019
500CT210	FIXING OF THE METAL SUSPENDED SUPPORT GRID FOR THE FALSE CEILING	21	11-Jun-2019	02-Jul-2019	44	02-May-2019	23-May-2019
500CT220	Installation of the Acoustical Tiles	7	02-Jul-2019	09-Jul-2019	44	23-May-2019	30-May-2019
Control Room		44	31-May-2019	14-Jul-2019	39	18-Apr-2019	07-Jun-2019
Cement Plaster Works		11	31-May-2019	11-Jun-2019	39	18-Apr-2019	02-May-2019
500CT580	Cement Mortar Spattering Works	4	31-May-2019	04-Jun-2019	39	18-Apr-2019	22-Apr-2019
500CT590	Cement Plastering Works	7	04-Jun-2019	11-Jun-2019	39	22-Apr-2019	02-May-2019
Painting Works		21	11-Jun-2019	02-Jul-2019	51	02-May-2019	23-May-2019
500CT600	Preliminary Paste Coating & to be acc. to specs	8	11-Jun-2019	19-Jun-2019	51	02-May-2019	10-May-2019
500CT610	Painting Works for Primary Layers & to be acc. to specs	7	19-Jun-2019	26-Jun-2019	51	10-May-2019	17-May-2019
500CT620	Painting Works for the Final Layer & to be acc. to specs	6	26-Jun-2019	02-Jul-2019	51	17-May-2019	23-May-2019
Cladding/Skirting Works		14	18-Jun-2019	02-Jul-2019	51	09-May-2019	23-May-2019
500CT660	Aluminum Skirting Works & to be acc. to specs & approved dwgs	14	18-Jun-2019	02-Jul-2019	51	09-May-2019	23-May-2019
Raised Access Floor System		33	11-Jun-2019	14-Jul-2019	39	02-May-2019	07-Jun-2019
500CT650	Applying Dust Proof Coating System	6	11-Jun-2019	17-Jun-2019	39	02-May-2019	08-May-2019
500CT630	Installation of the Metal Support System	21	17-Jun-2019	08-Jul-2019	39	08-May-2019	29-May-2019
500CT640	Installation of the specified floor tiles for the designated system	6	08-Jul-2019	14-Jul-2019	39	29-May-2019	07-Jun-2019
Suspended Ceiling Works		28	11-Jun-2019	09-Jul-2019	44	02-May-2019	30-May-2019
500CT560	FIXING OF THE METAL SUSPENDED SUPPORT GRID FOR THE FALSE CEILING	21	11-Jun-2019	02-Jul-2019	44	02-May-2019	23-May-2019
500CT570	Installation of the Acoustical Tiles	7	02-Jul-2019	09-Jul-2019	44	23-May-2019	30-May-2019
Relay Room		44	31-May-2019	14-Jul-2019	39	18-Apr-2019	07-Jun-2019
Cement Plaster Works		11	31-May-2019	11-Jun-2019	39	18-Apr-2019	02-May-2019
500CT120	Cement Mortar Spattering Works	4	31-May-2019	04-Jun-2019	39	18-Apr-2019	22-Apr-2019
500CT130	Cement Plastering Works	7	04-Jun-2019	11-Jun-2019	39	22-Apr-2019	02-May-2019
Painting Works		21	11-Jun-2019	02-Jul-2019	51	02-May-2019	23-May-2019



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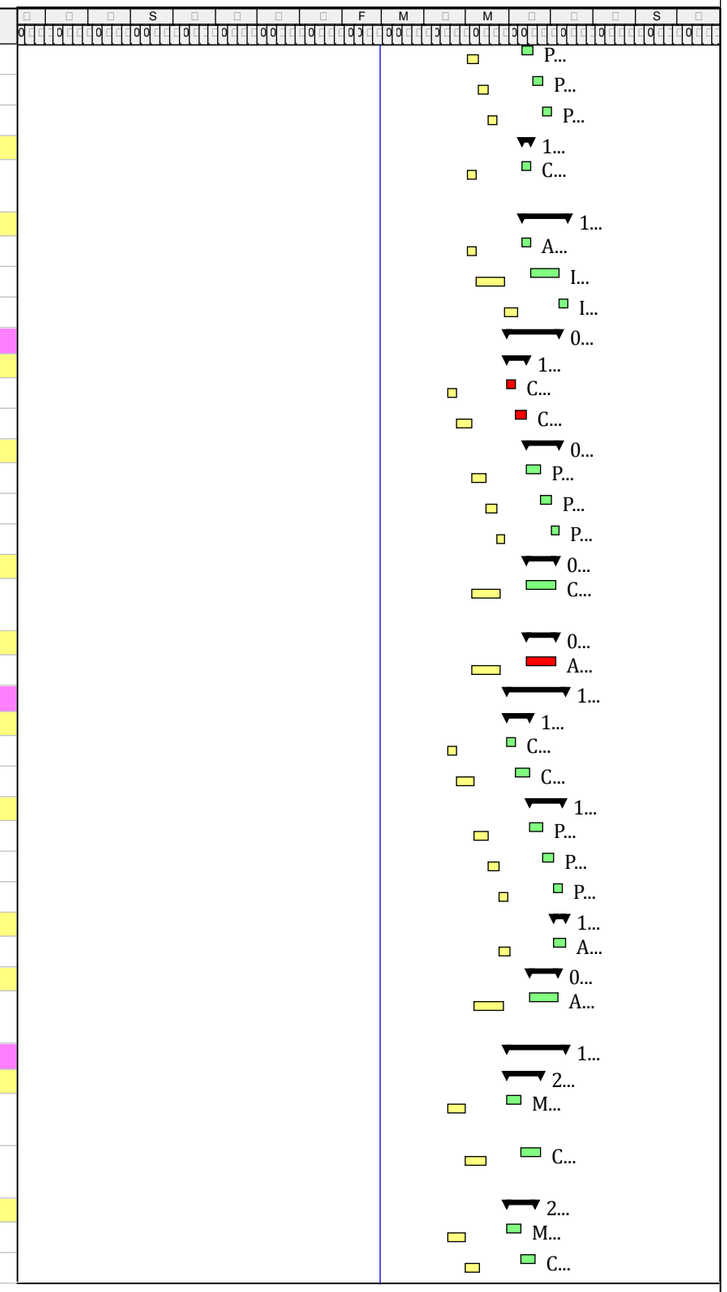
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
500CT140	Preliminary Paste Coating & to be acc. to specs	8	11-Jun-2019	19-Jun-2019	51	02-May-2019	10-May-2019
500CT150	Painting Works for Primary Layers & to be acc. to specs	7	19-Jun-2019	26-Jun-2019	51	10-May-2019	17-May-2019
500CT160	Painting Works for the Final Layer & to be acc. to specs	6	26-Jun-2019	02-Jul-2019	51	17-May-2019	23-May-2019
Cladding/Skirting Works		6	11-Jun-2019	17-Jun-2019	66	02-May-2019	08-May-2019
500CT200	Ceramic or Eequivalent Cladding Works & to be acc. to specs & approved dwgs	6	11-Jun-2019	17-Jun-2019	66	02-May-2019	08-May-2019
Raised Access Floor System		33	11-Jun-2019	14-Jul-2019	39	02-May-2019	07-Jun-2019
500CT190	Applying Dust Proof Coating System	6	11-Jun-2019	17-Jun-2019	39	02-May-2019	08-May-2019
500CT170	Installation of the Metal Support System	21	17-Jun-2019	08-Jul-2019	39	08-May-2019	29-May-2019
500CT180	Installation of the specified floor tiles for the designated system	6	08-Jul-2019	14-Jul-2019	39	29-May-2019	07-Jun-2019
Auxiliray Transformer Rooms (1) & (2)		38	31-May-2019	08-Jul-2019	45	18-Apr-2019	29-May-2019
Cement Plaster Works		14	31-May-2019	14-Jun-2019	-16	18-Apr-2019	05-May-2019
500CT690	Cement Mortar Spattering Works	6	31-May-2019	06-Jun-2019	-16	18-Apr-2019	24-Apr-2019
500CT700	Cement Plastering Works	8	06-Jun-2019	14-Jun-2019	-16	24-Apr-2019	05-May-2019
Painting Works		24	14-Jun-2019	08-Jul-2019	45	05-May-2019	29-May-2019
500CT710	Preliminary Paste Coating & to be acc. to specs	10	14-Jun-2019	24-Jun-2019	45	05-May-2019	15-May-2019
500CT720	Painting Works for Primary Layers & to be acc. to specs	8	24-Jun-2019	02-Jul-2019	45	15-May-2019	23-May-2019
500CT730	Painting Works for the Final Layer & to be acc. to specs	6	02-Jul-2019	08-Jul-2019	45	23-May-2019	29-May-2019
Cladding/Skirting Works		21	14-Jun-2019	05-Jul-2019	48	05-May-2019	26-May-2019
500CT770	Ceramic or Eequivalent Cladding Works & to be acc. to specs & approved dwgs	21	14-Jun-2019	05-Jul-2019	48	05-May-2019	26-May-2019
Flooring System		21	14-Jun-2019	05-Jul-2019	-16	05-May-2019	26-May-2019
500CT760	Applying Anti-Acid coating System On Trowel Finished RC	21	14-Jun-2019	05-Jul-2019	-16	05-May-2019	26-May-2019
Battery Room		42	31-May-2019	12-Jul-2019	41	18-Apr-2019	02-Jun-2019
Cement Plaster Works		16	31-May-2019	16-Jun-2019	32	18-Apr-2019	07-May-2019
500CT340	Cement Mortar Spattering Works	6	31-May-2019	06-Jun-2019	32	18-Apr-2019	24-Apr-2019
500CT350	Cement Plastering Works	10	06-Jun-2019	16-Jun-2019	32	24-Apr-2019	07-May-2019
Painting Works		24	16-Jun-2019	10-Jul-2019	43	07-May-2019	31-May-2019
500CT360	Preliminary Paste Coating & to be acc. to specs	10	16-Jun-2019	26-Jun-2019	32	07-May-2019	17-May-2019
500CT370	Painting Works for Primary Layers & to be acc. to specs	8	26-Jun-2019	04-Jul-2019	32	17-May-2019	25-May-2019
500CT380	Painting Works for the Final Layer & to be acc. to specs	6	04-Jul-2019	10-Jul-2019	43	25-May-2019	31-May-2019
Flooring System		8	04-Jul-2019	12-Jul-2019	32	25-May-2019	02-Jun-2019
500CT390	Applying Anti-Acid coating System On Trowel Finished RC	8	04-Jul-2019	12-Jul-2019	32	25-May-2019	02-Jun-2019
Cladding/Skirting Works		21	16-Jun-2019	07-Jul-2019	46	07-May-2019	28-May-2019
500CT400	Applying Anti-Acid coating System on Cement Plaster & to be acc. to specs & approved dwgs	21	16-Jun-2019	07-Jul-2019	46	07-May-2019	28-May-2019
Kitchen & Toilets		42	31-May-2019	12-Jul-2019	41	18-Apr-2019	02-Jun-2019
Cladding/Skirting Works		24	31-May-2019	24-Jun-2019	59	18-Apr-2019	15-May-2019
500CT880	Modified Bitumen Membrane Waterproofing (up to level +1.5m) For Toilets Walls	10	31-May-2019	10-Jun-2019	59	18-Apr-2019	30-Apr-2019
500CT830	Ceramic or Eequivalent Cladding Works For Walls & to be acc. to specs & approved dwgs	14	10-Jun-2019	24-Jun-2019	59	30-Apr-2019	15-May-2019
Flooring System		20	31-May-2019	20-Jun-2019	63	18-Apr-2019	11-May-2019
500CT1220	Modified Bitumen Membrane Waterproofing For Toilets Floors	10	31-May-2019	10-Jun-2019	63	18-Apr-2019	30-Apr-2019
500CT870	Ceramic Tiling Works	10	10-Jun-2019	20-Jun-2019	63	30-Apr-2019	11-May-2019



Primary Baseline
Critical Work
Milestone
Actual Work
Remaining Work
Critical Remaining Work
Summary

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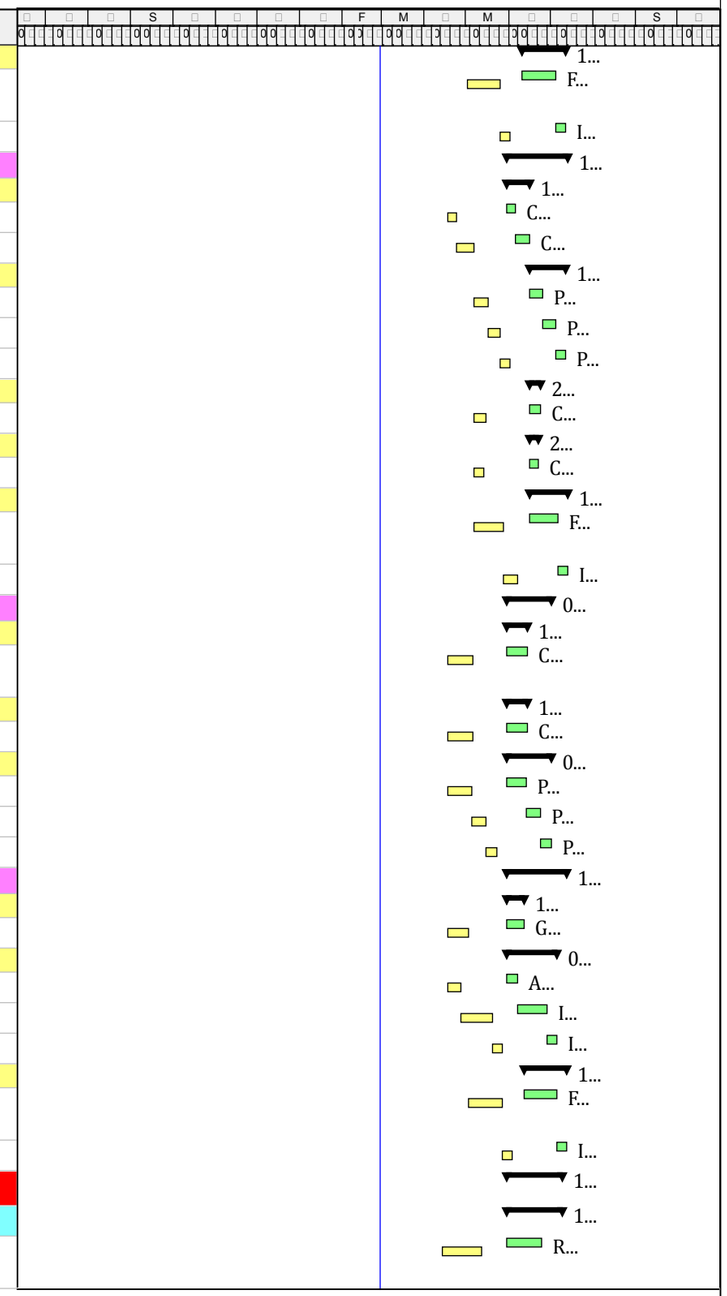
BASE SCHEDULE
FOR

Date	Revision	Checked	Approved
Feb	SCHEDULE		
Mar	SCHEDULE		
Jun	SCHEDULE		
Jul	SCHEDULE		
Oct	SCHEDULE		

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

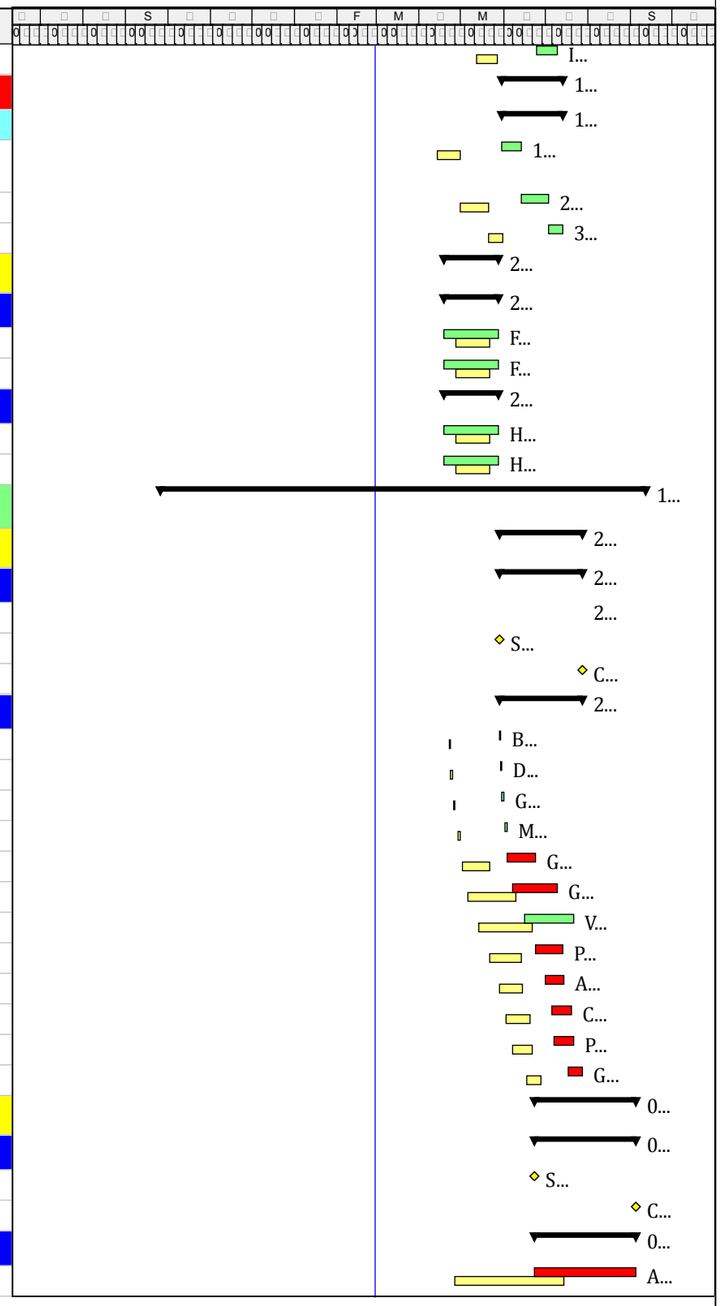
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
Suspended Ceiling Works		31	11-Jun-2019	12-Jul-2019	41	02-May-2019	02-Jun-2019
500CT780	FIXING OF THE METAL SUSPENDED SUPPORT GRID FOR THE FALSE CEILING	24	11-Jun-2019	05-Jul-2019	41	02-May-2019	26-May-2019
500CT790	Installation of the Acoustical Tiles	7	05-Jul-2019	12-Jul-2019	41	26-May-2019	02-Jun-2019
Offices		44	31-May-2019	14-Jul-2019	39	18-Apr-2019	07-Jun-2019
Cement Plaster Works		16	31-May-2019	16-Jun-2019	33	18-Apr-2019	07-May-2019
500CT910	Cement Mortar Spattering Works	6	31-May-2019	06-Jun-2019	33	18-Apr-2019	24-Apr-2019
500CT920	Cement Plastering Works	10	06-Jun-2019	16-Jun-2019	33	24-Apr-2019	07-May-2019
Painting Works		26	16-Jun-2019	12-Jul-2019	41	07-May-2019	02-Jun-2019
500CT930	Preliminary Paste Coating & to be acc. to specs	10	16-Jun-2019	26-Jun-2019	41	07-May-2019	17-May-2019
500CT940	Painting Works for Primary Layers & to be acc. to specs	9	26-Jun-2019	05-Jul-2019	41	17-May-2019	26-May-2019
500CT950	Painting Works for the Final Layer & to be acc. to specs	7	05-Jul-2019	12-Jul-2019	41	26-May-2019	02-Jun-2019
Cladding/Skirting Works		8	16-Jun-2019	24-Jun-2019	40	07-May-2019	15-May-2019
500CT990	Ceramic Skirting Works & to be acc. to specs & approved dwgs	8	16-Jun-2019	24-Jun-2019	40	07-May-2019	15-May-2019
Flooring System		7	16-Jun-2019	23-Jun-2019	33	07-May-2019	14-May-2019
500CT980	Ceramic Tiling Works	7	16-Jun-2019	23-Jun-2019	33	07-May-2019	14-May-2019
Suspended Ceiling Works		28	16-Jun-2019	14-Jul-2019	39	07-May-2019	07-Jun-2019
500CT890	FIXING OF THE METAL SUSPENDED SUPPORT GRID FOR THE FALSE CEILING	21	16-Jun-2019	07-Jul-2019	39	07-May-2019	28-May-2019
500CT900	Installation of the Acoustical Tiles	7	07-Jul-2019	14-Jul-2019	39	28-May-2019	07-Jun-2019
Gas Storage Room		32	31-May-2019	02-Jul-2019	51	18-Apr-2019	23-May-2019
Cladding/Skirting Works		15	31-May-2019	15-Jun-2019	68	18-Apr-2019	06-May-2019
500CT1100	Ceramic or Eequivalent Cladding Works For Walls & to be acc. to specs & approved dwgs	15	31-May-2019	15-Jun-2019	68	18-Apr-2019	06-May-2019
Flooring System		15	31-May-2019	15-Jun-2019	68	18-Apr-2019	06-May-2019
500CT1090	Ceramic Tiling Works	15	31-May-2019	15-Jun-2019	68	18-Apr-2019	06-May-2019
Ceiling Finishing Works		32	31-May-2019	02-Jul-2019	51	18-Apr-2019	23-May-2019
500CT1230	Preliminary Paste Coating & to be acc. to specs	14	31-May-2019	14-Jun-2019	51	18-Apr-2019	05-May-2019
500CT1240	Painting Works for Primary Layers & to be acc. to specs	10	14-Jun-2019	24-Jun-2019	51	05-May-2019	15-May-2019
500CT1250	Painting Works for the Final Layer & to be acc. to specs	8	24-Jun-2019	02-Jul-2019	51	15-May-2019	23-May-2019
Corridor		43	31-May-2019	13-Jul-2019	40	18-Apr-2019	03-Jun-2019
Cladding/Skirting Works		12	31-May-2019	12-Jun-2019	40	18-Apr-2019	03-May-2019
500CT1210	Granite Cladding Works For Walls & to be acc. to specs & approved dwgs	12	31-May-2019	12-Jun-2019	40	18-Apr-2019	03-May-2019
Flooring System		36	31-May-2019	06-Jul-2019	47	18-Apr-2019	27-May-2019
500CT1200	Applying Dust Proof Coating System	8	31-May-2019	08-Jun-2019	47	18-Apr-2019	27-Apr-2019
500CT1180	Installation of the Metal Support System	21	08-Jun-2019	29-Jun-2019	47	27-Apr-2019	20-May-2019
500CT1190	Installation of the specified floor tiles for the designated system	7	29-Jun-2019	06-Jul-2019	47	20-May-2019	27-May-2019
Suspended Ceiling Works		31	12-Jun-2019	13-Jul-2019	40	03-May-2019	03-Jun-2019
500CT1110	FIXING OF THE METAL SUSPENDED SUPPORT GRID FOR THE FALSE CEILING	24	12-Jun-2019	06-Jul-2019	40	03-May-2019	27-May-2019
500CT1120	Installation of the Acoustical Tiles	7	06-Jul-2019	13-Jul-2019	40	27-May-2019	03-Jun-2019
Mechanical Works		40	31-May-2019	10-Jul-2019	43	14-Apr-2019	27-May-2019
Plumbing Works		40	31-May-2019	10-Jul-2019	43	14-Apr-2019	27-May-2019
EC1360	Rough-In Works (piping, fittings,etc...) for (water supply, drainge,etc...) systems	25	31-May-2019	25-Jun-2019	43	14-Apr-2019	12-May-2019



Original Baseline | Critical Work | Critical Milestone | Start Milestone | Critical Remaining Work

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

ctivity	ctivity a	Original ration	Start	Finish	Total Float	Baseline Start	Baseline Finish
EC1370	Installation of plumbing fixtures	15	25-Jun-2019	10-Jul-2019	43	12-May-2019	27-May-2019
Electrical Works		44	31-May-2019	14-Jul-2019	39	14-Apr-2019	31-May-2019
Low Current Works (Lighting & Power outlets, Fire Alarm System)		44	31-May-2019	14-Jul-2019	39	14-Apr-2019	31-May-2019
EC1380	1st. fix Rough-in Works(conduiting & Installation of boxes, junctions,etc...)	14	31-May-2019	14-Jun-2019	39	14-Apr-2019	30-Apr-2019
EC1390	2nd. fix (wiring/cabling)	20	14-Jun-2019	04-Jul-2019	39	30-Apr-2019	21-May-2019
EC1400	3rd. fix (Installation of the various fixtures & accessories)	10	04-Jul-2019	14-Jul-2019	39	21-May-2019	31-May-2019
Electromechanical Work		40	18-Apr-2019	28-May-2019	78	27-Apr-2019	22-May-2019
Fire Fighting System		40	18-Apr-2019	28-May-2019	78	27-Apr-2019	22-May-2019
CNCME050	Fire Fighting System for 500kV GIS / Control Building	40	18-Apr-2019	28-May-2019	78	27-Apr-2019	22-May-2019
CNCME010	Fire Fighting System for 220kv GIS / Control Building	40	18-Apr-2019	28-May-2019	63	27-Apr-2019	22-May-2019
HVAC System		40	18-Apr-2019	28-May-2019	78	27-Apr-2019	22-May-2019
CNCME060	HVAC System for 500kV GIS / Control Building	40	18-Apr-2019	28-May-2019	78	27-Apr-2019	22-May-2019
CNCME020	HVAC System for 220kv GIS / Control Building	40	18-Apr-2019	28-May-2019	78	27-Apr-2019	22-May-2019
Installation Works		227	25-Sep-2018 A	11-Sep-2019	-21	11-Jan-2019	30-Jul-2019
220kV GIS EQUIPMENT INSTALLATION (9 Bay)		60	29-May-2019	28-Jul-2019	18	23-Apr-2019	30-Jun-2019
Milestones		60	29-May-2019	28-Jul-2019	18	23-Apr-2019	30-Jun-2019
CNCEL005L	220kV GIS Installation	60	29-May-2019	28-Jul-2019	-28	23-Apr-2019	28-Jun-2019
EC3140	Start Installation Works of 220kV GIS Equipement	0	29-May-2019		-41	23-Apr-2019	
EC3150	Completion of the Installation Works of 220kV GIS Equipement	0		28-Jul-2019	18		30-Jun-2019
Assembly & Installation Works		60	29-May-2019	28-Jul-2019	-2	23-Apr-2019	28-Jun-2019
CNCEL070	Backing List Box Check	1	29-May-2019	30-May-2019	21	23-Apr-2019	24-Apr-2019
CNCEL080	Docking Platform Cleaning	1	30-May-2019	31-May-2019	20	24-Apr-2019	25-Apr-2019
CNCEL090	GIS Supports Check & Alignment	1	31-May-2019	01-Jun-2019	19	26-Apr-2019	27-Apr-2019
CNCEL120	Materials Box Check (Tool List)	2	02-Jun-2019	04-Jun-2019	16	29-Apr-2019	01-May-2019
CNCEL130	GIS Box Open & Shift (CB 9 bay & E/DS)	20	04-Jun-2019	24-Jun-2019	-4	02-May-2019	22-May-2019
CNCEL140	GIS CB Assembly & E/DS Assembly	32	08-Jun-2019	10-Jul-2019	-20	06-May-2019	10-Jun-2019
CNCEL190	Vacuum & Gas Filling	36	16-Jun-2019	22-Jul-2019	4	14-May-2019	22-Jun-2019
CNCEL150	PT, LA, C/H Box Open & Assembly	20	24-Jun-2019	14-Jul-2019	-24	22-May-2019	14-Jun-2019
CNCEL160	Accessories Installation (LCC, Gas Pipe, Earthing Shunt Bar)	14	01-Jul-2019	15-Jul-2019	-41	29-May-2019	15-Jun-2019
CNCEL170	Cable Tray Box Open & Assembly	14	06-Jul-2019	20-Jul-2019	-16	03-Jun-2019	20-Jun-2019
CNCEL180	Platform Box Open & Assembly	14	08-Jul-2019	22-Jul-2019	-18	08-Jun-2019	22-Jun-2019
CNCEL200	Gas Leak Test & Dew Point	10	18-Jul-2019	28-Jul-2019	-28	18-Jun-2019	28-Jun-2019
500kV GIS EQUIPMENT INSTALLATION (4 Bay)		73	23-Jun-2019	04-Sep-2019	-15	27-Apr-2019	15-Jul-2019
Milestones		73	23-Jun-2019	04-Sep-2019	-21	27-Apr-2019	15-Jul-2019
EC3170	Start Installation Works of 500kV GIS Equipement	0	23-Jun-2019		-30	27-Apr-2019	
EC3180	Completion of the Installation Works of 500kV GIS Equipement	0		04-Sep-2019	-21		15-Jul-2019
Assembly & Installation Works		73	23-Jun-2019	04-Sep-2019	-15	27-Apr-2019	15-Jul-2019
CNCEL410	Assembly of 500kV GIS Equipemnt & GIB w/Support	73	23-Jun-2019	04-Sep-2019	-30	27-Apr-2019	15-Jul-2019



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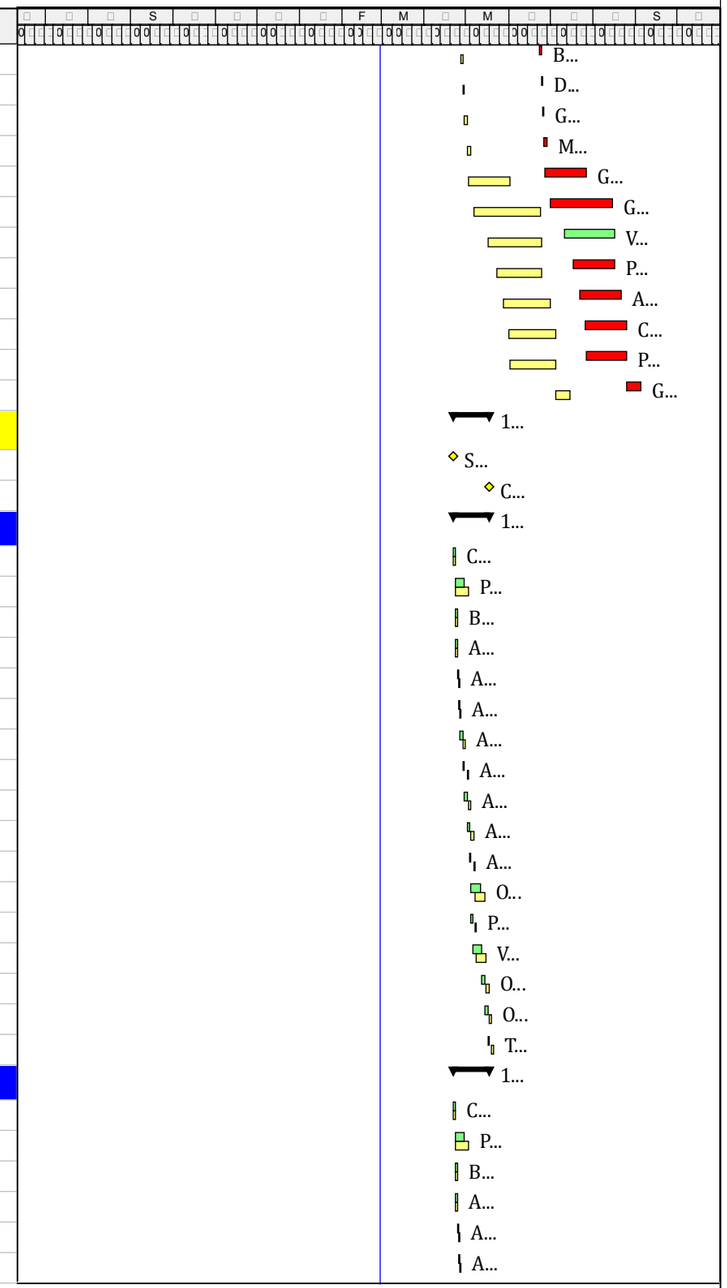
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
CNCEL1950	Backing List Box Check	1	23-Jun-2019	24-Jun-2019	-21	27-Apr-2019	29-Apr-2019
CNCEL1960	Docking Platform Cleaning	1	24-Jun-2019	25-Jun-2019	-21	29-Apr-2019	30-Apr-2019
CNCEL1970	GIS Supports Check & Alignment	1	25-Jun-2019	26-Jun-2019	-21	30-Apr-2019	02-May-2019
CNCEL1980	Materials Box Check (Tool List)	2	26-Jun-2019	28-Jun-2019	-21	02-May-2019	04-May-2019
CNCEL1990	GIS Box Open & Shift (CB 4 bay & E/DS)	30	27-Jun-2019	27-Jul-2019	-21	03-May-2019	02-Jun-2019
CNCEL2000	GIS CB Assembly & E/DS Assembly	45	01-Jul-2019	15-Aug-2019	-21	07-May-2019	24-Jun-2019
CNCEL2010	Vacuum & Gas Filling	36	11-Jul-2019	16-Aug-2019	4	17-May-2019	25-Jun-2019
CNCEL2020	PT, LA, C/H Box Open & Assembly	30	17-Jul-2019	16-Aug-2019	-21	23-May-2019	25-Jun-2019
CNCEL2030	Accessories Installation (LCC, Gas Pipe, Earthing Shunt Bar)	30	22-Jul-2019	21-Aug-2019	-21	28-May-2019	01-Jul-2019
CNCEL2040	Cable Tray Box Open & Assembly	30	26-Jul-2019	25-Aug-2019	-21	01-Jun-2019	05-Jul-2019
CNCEL2050	Platform Box Open & Assembly	29	27-Jul-2019	25-Aug-2019	-21	02-Jun-2019	05-Jul-2019
CNCEL2060	Gas Leak Test & Dew Point	10	25-Aug-2019	04-Sep-2019	-21	05-Jul-2019	15-Jul-2019
Installation OF 500/220kV Tie Transformers		26	22-Apr-2019	18-May-2019	33	22-Apr-2019	22-May-2019
CNCEL210	Start Assembly of the 500/220kV Tie Transformer & Accessories	0	22-Apr-2019*		21	22-Apr-2019	
CNCEL220	Completion Assembly of the 500/220kV Tie Transformer & Accessories	0		18-May-2019	33		22-May-2019
Installation OF Single Phase Tie Transformer #01		26	22-Apr-2019	18-May-2019	33	22-Apr-2019	21-May-2019
EC1690	Checking of Impact Recorder and visual	2	22-Apr-2019	24-Apr-2019	21	22-Apr-2019	24-Apr-2019
EC1700	Preparation for assembly and unpacking	6	24-Apr-2019	30-Apr-2019	21	24-Apr-2019	03-May-2019
EC1710	Bushing Check	1	24-Apr-2019	25-Apr-2019	21	24-Apr-2019	25-Apr-2019
EC1720	Assembling of Radiator Banks	1	24-Apr-2019	25-Apr-2019	21	24-Apr-2019	25-Apr-2019
EC1730	Assembling of Radiators	1	25-Apr-2019	26-Apr-2019	21	26-Apr-2019	27-Apr-2019
EC1740	Assembling of Support & Main Conservator	1	26-Apr-2019	27-Apr-2019	21	27-Apr-2019	28-Apr-2019
EC1750	Assembling of HVN & H.V & L.V Housing & Bushings	2	27-Apr-2019	29-Apr-2019	21	29-Apr-2019	01-May-2019
EC1970	Assembling of T.V Bushings & Cable Box	1	29-Apr-2019	30-Apr-2019	21	02-May-2019	03-May-2019
EC1980	Assembling of Air & Gas Vent Pipes	2	30-Apr-2019	02-May-2019	21	03-May-2019	05-May-2019
EC1990	Assembling of Fan Support & Fan	2	02-May-2019	04-May-2019	21	05-May-2019	07-May-2019
EC2000	Assembling of Accessories (wiring, etc...)	1	04-May-2019	05-May-2019	21	07-May-2019	08-May-2019
EC2010	Oil filing drums to storage tank and circulation	7	05-May-2019	12-May-2019	33	08-May-2019	15-May-2019
EC2020	Preparation for Vaccuming	1	05-May-2019	06-May-2019	33	08-May-2019	09-May-2019
EC2030	Vaccum (more than 60hrs 0.5 Torr)	7	06-May-2019	13-May-2019	33	09-May-2019	16-May-2019
EC2040	Oil filling in transformer	2	13-May-2019	15-May-2019	33	16-May-2019	18-May-2019
EC2050	Oil Circulation (2 time) in transformer	2	15-May-2019	17-May-2019	33	18-May-2019	20-May-2019
EC3120	Touch up painting & Final Check	1	17-May-2019	18-May-2019	33	20-May-2019	21-May-2019
Installation OF Single Phase Tie Transformer #02		26	22-Apr-2019	18-May-2019	33	22-Apr-2019	21-May-2019
EC2180	Checking of Impact Recorder and visual	2	22-Apr-2019	24-Apr-2019	33	22-Apr-2019	24-Apr-2019
EC2190	Preparation for assembly and unpacking	6	24-Apr-2019	30-Apr-2019	33	24-Apr-2019	03-May-2019
EC2200	Bushing Check	1	24-Apr-2019	25-Apr-2019	33	24-Apr-2019	25-Apr-2019
EC2210	Assembling of Radiator Banks	1	24-Apr-2019	25-Apr-2019	33	24-Apr-2019	25-Apr-2019
EC2220	Assembling of Radiators	1	25-Apr-2019	26-Apr-2019	33	26-Apr-2019	27-Apr-2019
EC2230	Assembling of Support & Main Conservator	1	26-Apr-2019	27-Apr-2019	33	27-Apr-2019	28-Apr-2019



Critical Baseline
Critical Work
Critical Remaining Work
Milestone
Summary

Page of

Data Date 22-Apr-2019
Start to Finish 0 days

Date	Revision		
22-Apr-2019	Start to Finish		
22-Mar-2019	Start to Finish Baseline		
0 days	Start to Finish		
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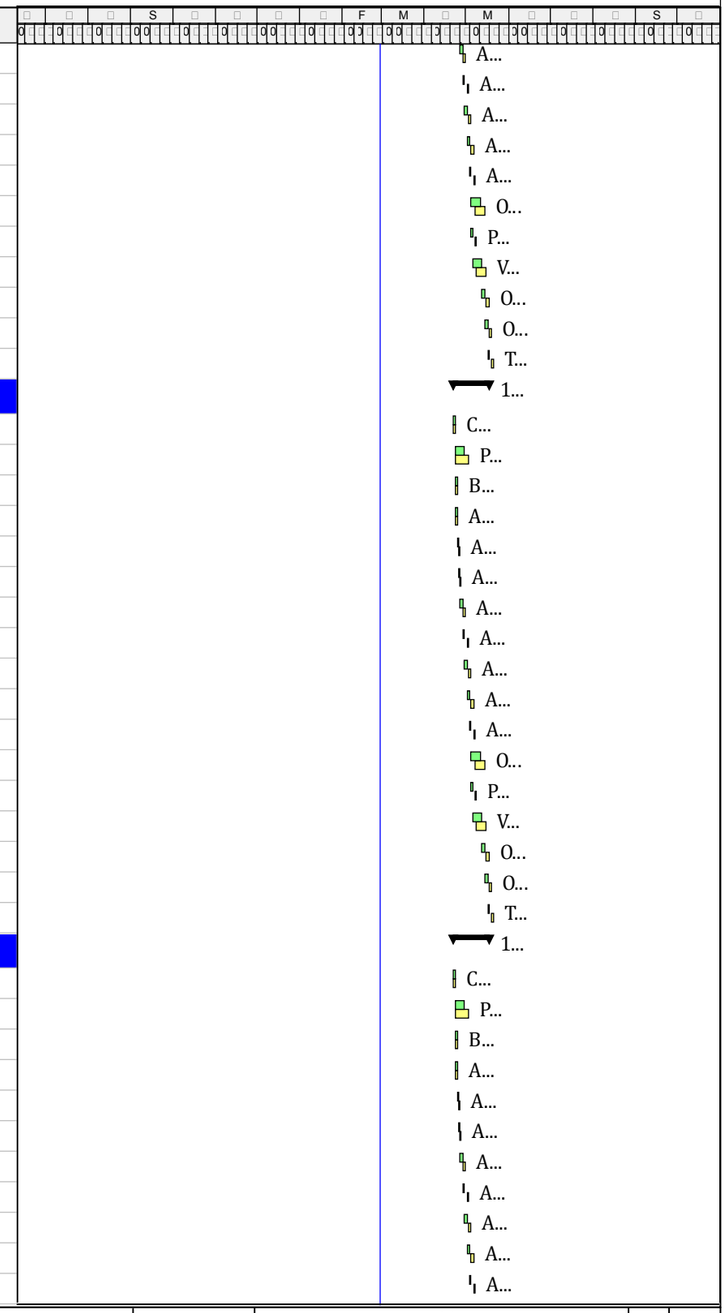
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
EC2240	Assembling of HVN & H.V & L.V Housing & Bushings	2	27-Apr-2019	29-Apr-2019	33	29-Apr-2019	01-May-2019
EC2250	Assembling of T.V Bushings & Cable Box	1	29-Apr-2019	30-Apr-2019	33	02-May-2019	03-May-2019
EC2260	Assembling of Air & Gas Vent Pipes	2	30-Apr-2019	02-May-2019	33	03-May-2019	05-May-2019
EC2270	Assembling of Fan Support & Fan	2	02-May-2019	04-May-2019	33	05-May-2019	07-May-2019
EC2280	Assembling of Accessories (wiring, etc...)	1	04-May-2019	05-May-2019	33	07-May-2019	08-May-2019
EC2290	Oil filing drums to storage tank and circulation	7	05-May-2019	12-May-2019	33	08-May-2019	15-May-2019
EC2300	Preparation for Vaccuming	1	05-May-2019	06-May-2019	33	08-May-2019	09-May-2019
EC2310	Vaccum (more than 60hrs 0.5 Torr)	7	06-May-2019	13-May-2019	33	09-May-2019	16-May-2019
EC2320	Oil filling in transformer	2	13-May-2019	15-May-2019	33	16-May-2019	18-May-2019
EC2330	Oil Circulation (2 time) in transformer	2	15-May-2019	17-May-2019	33	18-May-2019	20-May-2019
EC2340	Touch up painting & Final Check	1	17-May-2019	18-May-2019	33	20-May-2019	21-May-2019
Installation OF Single Phase Tie Transformer #03		26	22-Apr-2019	18-May-2019	33	22-Apr-2019	21-May-2019
EC2350	Checking of Impact Recorder and visual	2	22-Apr-2019	24-Apr-2019	33	22-Apr-2019	24-Apr-2019
EC2360	Preparation for assembly and unpacking	6	24-Apr-2019	30-Apr-2019	33	24-Apr-2019	03-May-2019
EC2370	Bushing Check	1	24-Apr-2019	25-Apr-2019	33	24-Apr-2019	25-Apr-2019
EC2380	Assembling of Radiator Banks	1	24-Apr-2019	25-Apr-2019	33	24-Apr-2019	25-Apr-2019
EC2390	Assembling of Radiators	1	25-Apr-2019	26-Apr-2019	33	26-Apr-2019	27-Apr-2019
EC2400	Assembling of Support & Main Conservator	1	26-Apr-2019	27-Apr-2019	33	27-Apr-2019	28-Apr-2019
EC2410	Assembling of HVN & H.V & L.V Housing & Bushings	2	27-Apr-2019	29-Apr-2019	33	29-Apr-2019	01-May-2019
EC2420	Assembling of T.V Bushings & Cable Box	1	29-Apr-2019	30-Apr-2019	33	02-May-2019	03-May-2019
EC2430	Assembling of Air & Gas Vent Pipes	2	30-Apr-2019	02-May-2019	33	03-May-2019	05-May-2019
EC2440	Assembling of Fan Support & Fan	2	02-May-2019	04-May-2019	33	05-May-2019	07-May-2019
EC2450	Assembling of Accessories (wiring, etc...)	1	04-May-2019	05-May-2019	33	07-May-2019	08-May-2019
EC2460	Oil filing drums to storage tank and circulation	7	05-May-2019	12-May-2019	33	08-May-2019	15-May-2019
EC2470	Preparation for Vaccuming	1	05-May-2019	06-May-2019	33	08-May-2019	09-May-2019
EC2480	Vaccum (more than 60hrs 0.5 Torr)	7	06-May-2019	13-May-2019	33	09-May-2019	16-May-2019
EC2490	Oil filling in transformer	2	13-May-2019	15-May-2019	33	16-May-2019	18-May-2019
EC2500	Oil Circulation (2 time) in transformer	2	15-May-2019	17-May-2019	33	18-May-2019	20-May-2019
EC2510	Touch up painting & Final Check	1	17-May-2019	18-May-2019	33	20-May-2019	21-May-2019
Installation OF Single Phase Spare Single Phase Transformer		26	22-Apr-2019	18-May-2019	33	22-Apr-2019	21-May-2019
EC2520	Checking of Impact Recorder and visual	2	22-Apr-2019	24-Apr-2019	33	22-Apr-2019	24-Apr-2019
EC2530	Preparation for assembly and unpacking	6	24-Apr-2019	30-Apr-2019	33	24-Apr-2019	03-May-2019
EC2540	Bushing Check	1	24-Apr-2019	25-Apr-2019	33	24-Apr-2019	25-Apr-2019
EC2550	Assembling of Radiator Banks	1	24-Apr-2019	25-Apr-2019	33	24-Apr-2019	25-Apr-2019
EC2560	Assembling of Radiators	1	25-Apr-2019	26-Apr-2019	33	26-Apr-2019	27-Apr-2019
EC2570	Assembling of Support & Main Conservator	1	26-Apr-2019	27-Apr-2019	33	27-Apr-2019	28-Apr-2019
EC2580	Assembling of HVN & H.V & L.V Housing & Bushings	2	27-Apr-2019	29-Apr-2019	33	29-Apr-2019	01-May-2019
EC2590	Assembling of T.V Bushings & Cable Box	1	29-Apr-2019	30-Apr-2019	33	02-May-2019	03-May-2019
EC2600	Assembling of Air & Gas Vent Pipes	2	30-Apr-2019	02-May-2019	33	03-May-2019	05-May-2019
EC2610	Assembling of Fan Support & Fan	2	02-May-2019	04-May-2019	33	05-May-2019	07-May-2019
EC2620	Assembling of Accessories (wiring, etc...)	1	04-May-2019	05-May-2019	33	07-May-2019	08-May-2019



Primary Baseline
Critical Work
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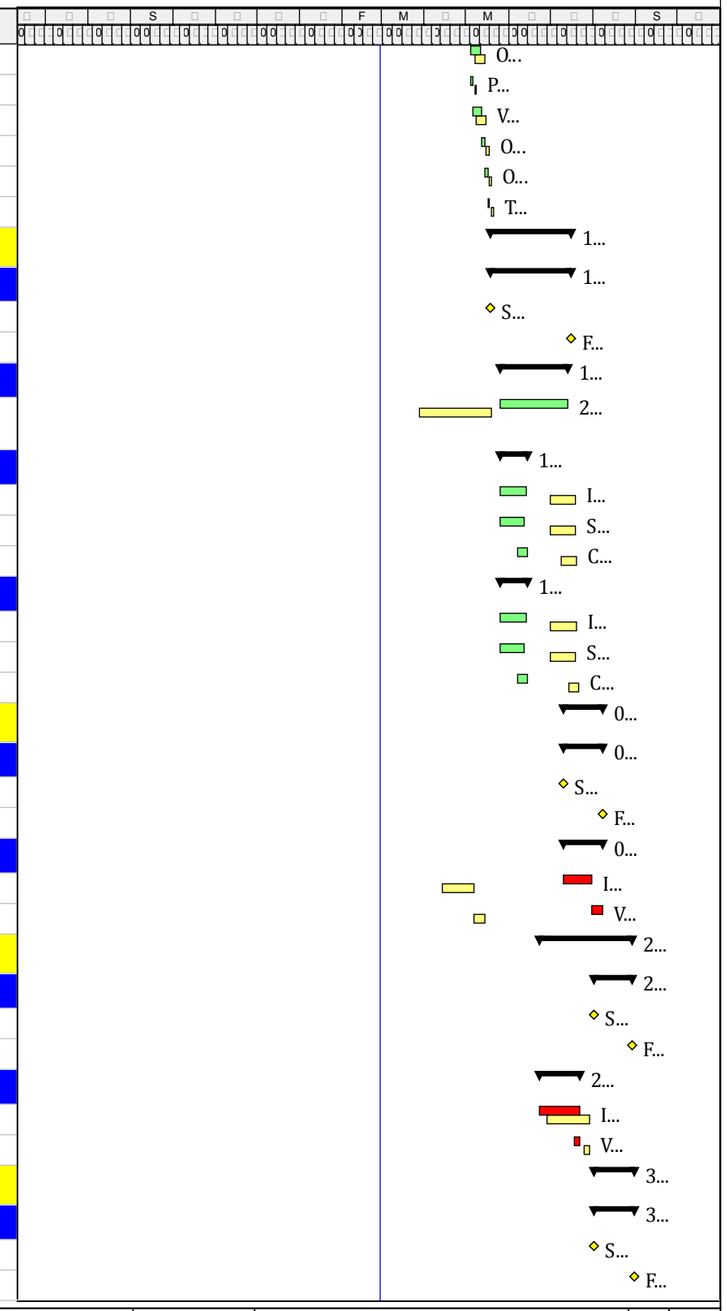
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

ctivity	ctivity a	riginal ration	Start	Finish	otal Float	B ro ct Start	B ro ct Finish
EC2630	Oil filing drums to storage tank and circulation	7	05-May-2019	12-May-2019	33	08-May-2019	15-May-2019
EC2640	Preparation for Vaccuming	1	05-May-2019	06-May-2019	33	08-May-2019	09-May-2019
EC2650	Vaccum (more than 60hrs 0.5 Torr)	7	06-May-2019	13-May-2019	33	09-May-2019	16-May-2019
EC2660	Oil filling in transformer	2	13-May-2019	15-May-2019	33	16-May-2019	18-May-2019
EC2670	Oil Circulation (2 time) in transformer	2	15-May-2019	17-May-2019	33	18-May-2019	20-May-2019
EC2680	Touch up painting & Final Check	1	17-May-2019	18-May-2019	33	20-May-2019	21-May-2019
220kV XLPE		59	18-May-2019	16-Jul-2019	36	10-Mar-2019	21-Jul-2019
Milestones		59	18-May-2019	16-Jul-2019	36	10-Mar-2019	09-May-2019
EC3190	Start Cable Pulling Works	0	18-May-2019		13	10-Mar-2019	
EC3200	Finish Cable Pulling works	0		16-Jul-2019	36		09-May-2019
220kV Underground XLPE		49	25-May-2019	13-Jul-2019	6	29-Mar-2019	20-May-2019
CNCEL0100	220KV Underground XLPE Cable Pulling from 220kV GIS to Station Service Transformer (SST)	49	25-May-2019	13-Jul-2019	6	29-Mar-2019	20-May-2019
XLPE/SF6 Sealing End Cable Terminations at (220KV GIS Substations Side)		20	25-May-2019	14-Jun-2019	6	01-Jul-2019	20-Jul-2019
CNCEL0102	Installation of Cable Support	19	25-May-2019	13-Jun-2019	6	01-Jul-2019	19-Jul-2019
CNCEL0103	Sealing End Cable Termination	18	25-May-2019	12-Jun-2019	6	01-Jul-2019	19-Jul-2019
CNCEL0104	Connection to GIS Cable Head Tank	7	07-Jun-2019	14-Jun-2019	6	09-Jul-2019	20-Jul-2019
XLPE/Air Sealing End Cable Terminations at (Station Service Transformer)		20	25-May-2019	14-Jun-2019	6	01-Jul-2019	21-Jul-2019
CNCEL0110	Installation of Cable Support	19	25-May-2019	13-Jun-2019	6	01-Jul-2019	20-Jul-2019
CNCEL0111	Sealing End Cable Termination	18	25-May-2019	12-Jun-2019	6	01-Jul-2019	19-Jul-2019
CNCEL0112	Connection to GIS Cable Head Tank	7	07-Jun-2019	14-Jun-2019	6	14-Jul-2019	21-Jul-2019
Install/Connect 220kV GIB from 220kV GIS to Tie Transformer		28	11-Jul-2019	08-Aug-2019	14	14-Apr-2019	15-May-2019
Milestones		28	11-Jul-2019	08-Aug-2019	14	15-Apr-2019	15-May-2019
CNCEL330	Start Milestone	0	11-Jul-2019		14	15-Apr-2019	
CNCEL340	Finish Milestone	0		08-Aug-2019	14		15-May-2019
Installation		28	11-Jul-2019	08-Aug-2019	-41	14-Apr-2019	15-May-2019
CNCEL310	Installation of GIB & Support (from 220kV GIS to Tie Transformer)	20	11-Jul-2019	31-Jul-2019	-41	14-Apr-2019	07-May-2019
CNCEL320	Vacuum & Gas Filling	8	31-Jul-2019	08-Aug-2019	-41	07-May-2019	15-May-2019
Install/Connect 500kV GIB from 500kV GIS to Tie Transformer		67	23-Jun-2019	29-Aug-2019	-8	29-Jun-2019	30-Jul-2019
Milestones		28	01-Aug-2019	29-Aug-2019	-8	29-Jun-2019	30-Jul-2019
CNCEL2070	Start Milestone	0	01-Aug-2019		-8	29-Jun-2019	
CNCEL2080	Finish Milestone	0		29-Aug-2019	-8		30-Jul-2019
Installation		29	23-Jun-2019	22-Jul-2019	-30	29-Jun-2019	30-Jul-2019
CNCEL510	Installation of GIB & Support (from 500kv GIS to Tie Transformer)	29	23-Jun-2019	22-Jul-2019	-30	29-Jun-2019	30-Jul-2019
CNCEL520	Vacuum & Gas Filling of GIB (from 500kv GIS to Tie Transformer)	4	18-Jul-2019	22-Jul-2019	-30	26-Jul-2019	30-Jul-2019
Install/Connect 500kV GIB from 500kV GIS to Generator Step Up Trans		29	01-Aug-2019	30-Aug-2019	-9	29-Jun-2019	30-Jul-2019
Milestones		29	01-Aug-2019	30-Aug-2019	-9	29-Jun-2019	30-Jul-2019
CNCEL2090	Start Milestone	0	01-Aug-2019		-10	29-Jun-2019	
CNCEL2100	Finish Milestone	0		30-Aug-2019	-9		30-Jul-2019



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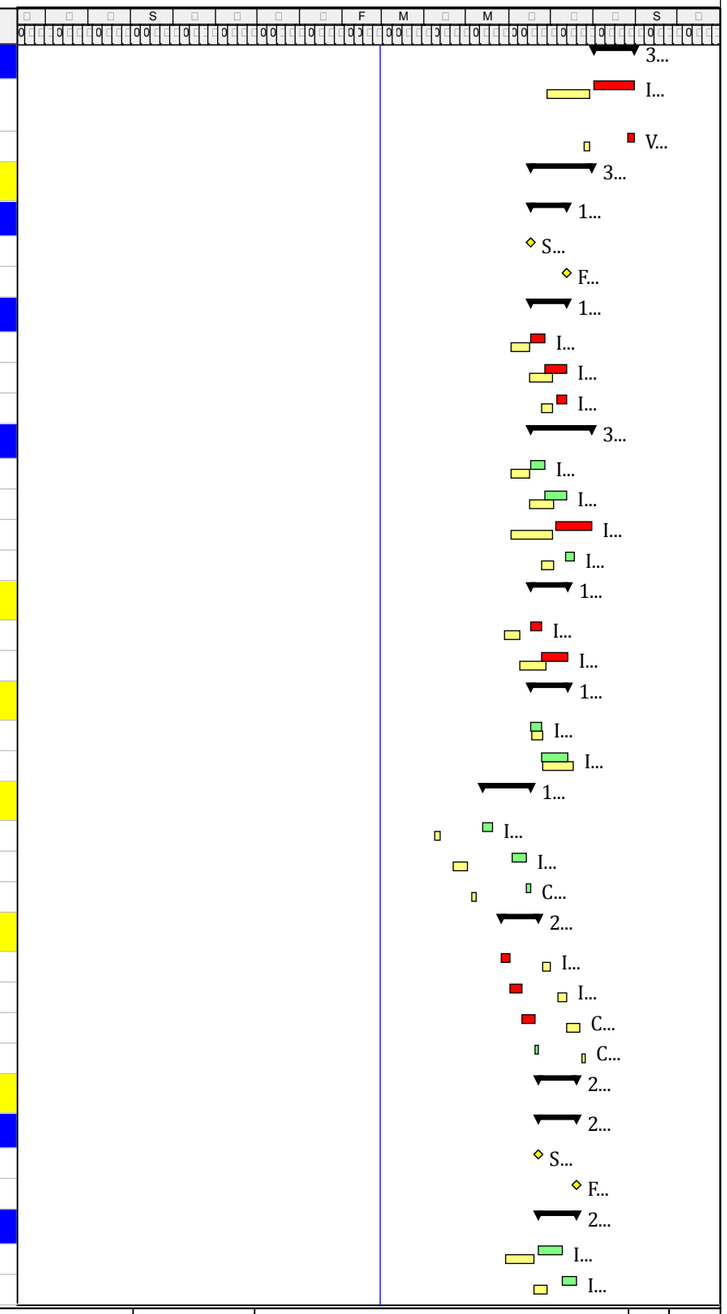
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
Installation		29	01-Aug-2019	30-Aug-2019	-9	29-Jun-2019	30-Jul-2019
CNCEL610	Installation of 500kv GIB (from 500kv GIS to Generator Step-up Transformer)	29	01-Aug-2019	30-Aug-2019	-10	29-Jun-2019	30-Jul-2019
CNCEL620	Vacuum & Gas Filling (from 500kv GIS to Generator Step-up Transformer)	4	26-Aug-2019	30-Aug-2019	-9	26-Jul-2019	30-Jul-2019
AC and DC Service Station		44	17-Jun-2019	31-Jul-2019	22	03-Jun-2019	03-Jul-2019
Milestones		26	17-Jun-2019	13-Jul-2019	40	03-Jun-2019	03-Jul-2019
EC3130	Start Installation of AC and DC Service Station	0	17-Jun-2019		-23	03-Jun-2019	
EC3210	Finish Installation of AC and DC Service Station	0		13-Jul-2019	40		03-Jul-2019
220KV Control Bldg		26	17-Jun-2019	13-Jul-2019	-23	03-Jun-2019	03-Jul-2019
CNCEL706	Installation of Panel Support of ACDB & DCDB	10	17-Jun-2019	27-Jun-2019	-23	03-Jun-2019	16-Jun-2019
CNCEL707	Installation of ACDB & DCDB	16	27-Jun-2019	13-Jul-2019	-23	16-Jun-2019	03-Jul-2019
CNCEL708	Installation of DC Battery & Batt. Charger	7	06-Jul-2019	13-Jul-2019	-23	25-Jun-2019	03-Jul-2019
500KV Control Bldg		44	17-Jun-2019	31-Jul-2019	20	03-Jun-2019	03-Jul-2019
CNCEL711	Installation of Panel Support of ACDB & DCDB	10	17-Jun-2019	27-Jun-2019	37	03-Jun-2019	16-Jun-2019
CNCEL712	Installation of ACDB & DCDB	16	27-Jun-2019	13-Jul-2019	37	16-Jun-2019	03-Jul-2019
CNCEL714	Installation of Auxiliary Transformer	26	05-Jul-2019	31-Jul-2019	-16	03-Jun-2019	03-Jul-2019
CNCEL713	Installation of DC Battery & Batt. Charger	7	12-Jul-2019	19-Jul-2019	32	25-Jun-2019	03-Jul-2019
Protection/Metering & Communication System for 220kV Switch Yard		27	17-Jun-2019	14-Jul-2019	-24	29-May-2019	28-Jun-2019
CNCEL810	Installation of Protection & Metering System (220kv) Panel Support	8	17-Jun-2019	25-Jun-2019	-24	29-May-2019	09-Jun-2019
CNCEL820	Installation of Protection & Metering System (220kv) Panel	19	25-Jun-2019	14-Jul-2019	-24	09-Jun-2019	28-Jun-2019
Protection/Metering & Communication System for 500kV Switch Yard		27	17-Jun-2019	14-Jul-2019	39	18-Jun-2019	18-Jul-2019
CNCEL905	Installation of Protection & Metering System (500kv) Panel Support	8	17-Jun-2019	25-Jun-2019	39	18-Jun-2019	26-Jun-2019
CNCEL920	Installation of Protection & Metering System (500kv) Panel	19	25-Jun-2019	14-Jul-2019	39	26-Jun-2019	18-Jul-2019
Outdoor Equipment at 220kV Substations		34	13-May-2019	17-Jun-2019	3	08-Apr-2019	08-May-2019
CNCEL1010	Installation of Support for 220kV Line Traps, Line Tuners & CCs	7	13-May-2019	20-May-2019	24	08-Apr-2019	13-Apr-2019
CNCEL1020	Installation of 220kV Line Traps, Line Tuners & CCs	10	03-Jun-2019	13-Jun-2019	3	22-Apr-2019	02-May-2019
CNCEL1030	Connect Conductor to Existing Line	3	13-Jun-2019	17-Jun-2019	3	05-May-2019	08-May-2019
Outdoor Equipment at 500kV Substations		27	27-May-2019	23-Jun-2019	60	26-Jun-2019	26-Jul-2019
CNCEL1110	Installation of Support for 500kv Line Traps and CCVT Installation	6	27-May-2019	02-Jun-2019	-1	26-Jun-2019	01-Jul-2019
CNCEL1120	Installation of 500kV Line Traps, SA & CCVT	9	02-Jun-2019	11-Jun-2019	-1	07-Jul-2019	13-Jul-2019
CNCEL1140	Cable Pulling and Term of Coaxial Cables	9	11-Jun-2019	20-Jun-2019	-1	13-Jul-2019	23-Jul-2019
CNCEL1130	Connect Conductor to Existing Line	3	20-Jun-2019	23-Jun-2019	60	24-Jul-2019	26-Jul-2019
Substation Automation System (SAS)		27	23-Jun-2019	20-Jul-2019	33	30-May-2019	29-Jun-2019
Milestones		27	23-Jun-2019	20-Jul-2019	33	30-May-2019	29-Jun-2019
EC3220	Start Milestone	0	23-Jun-2019		33	30-May-2019	
EC3230	Finish Milestone	0		20-Jul-2019	33		29-Jun-2019
Installation		27	23-Jun-2019	20-Jul-2019	33	30-May-2019	29-Jun-2019
CNCEL1210	Installation of Substation Automation System Desks & Accessories	17	23-Jun-2019	10-Jul-2019	33	30-May-2019	19-Jun-2019
CNCEL1220	Installation of SAS Equipment with Accessories	10	10-Jul-2019	20-Jul-2019	33	19-Jun-2019	29-Jun-2019



Critical Baseline
Critical Work
Critical Remaining Work
Milestone
Summary

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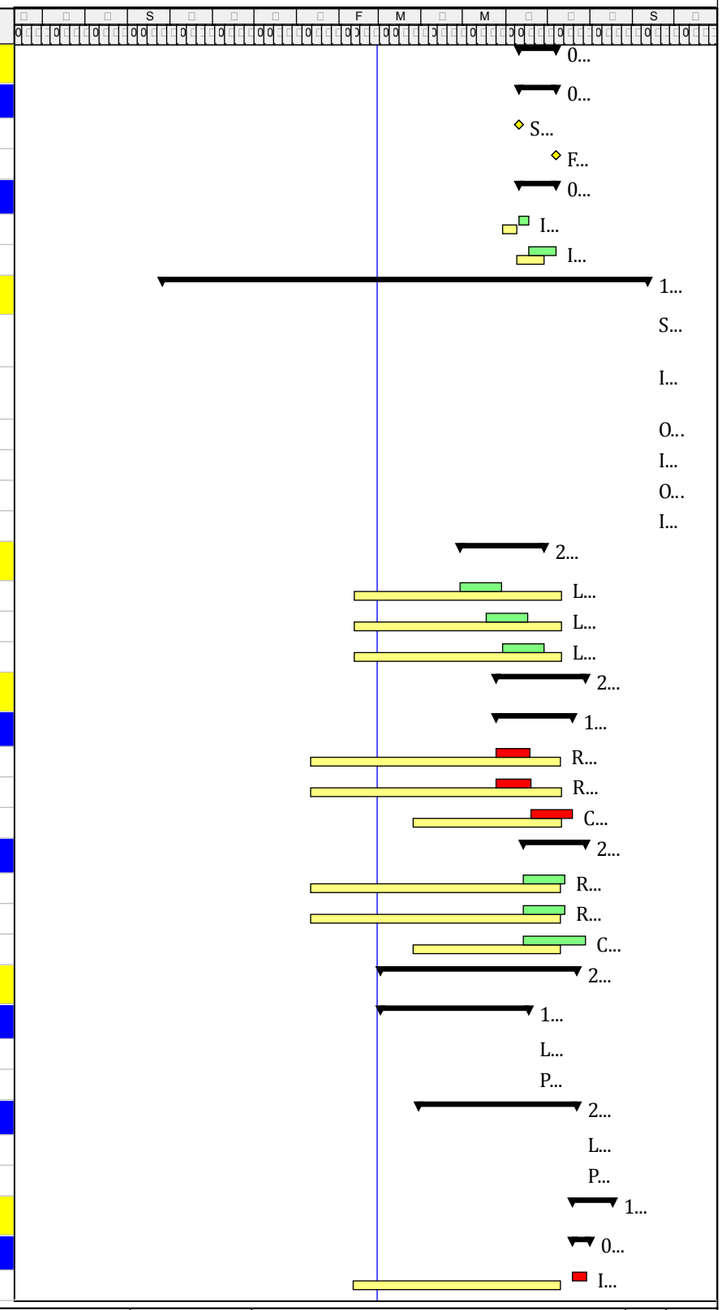
Date Revision

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
Telephone System		27	11-Jun-2019	08-Jul-2019	45	30-May-2019	29-Jun-2019
Milestones		27	11-Jun-2019	08-Jul-2019	45	30-May-2019	29-Jun-2019
EC3240	Start Milestone	0	11-Jun-2019		45	30-May-2019	
EC3250	Finish Milestone	0		08-Jul-2019	45		29-Jun-2019
Installation		27	11-Jun-2019	08-Jul-2019	45	30-May-2019	29-Jun-2019
CNCEL1310	Installation of Panel Support	7	11-Jun-2019	18-Jun-2019	45	30-May-2019	09-Jun-2019
CNCEL1320	Installation of Telecom. Panel	20	18-Jun-2019	08-Jul-2019	45	09-Jun-2019	29-Jun-2019
Grounding System		227	25-Sep-2018 A	11-Sep-2019	-21	30-Jan-2019	30-Jul-2019
CNCEL1410	Steel Bar Earthing	78	25-Sep-2018 A	11-Sep-2019	-21	30-Jan-2019	15-Apr-2019
CNCEL1440	Installation of Main Grid Conductor	165	19-Feb-2019 A	11-Sep-2019	-21	23-Apr-2019	30-Jul-2019
CNCEL1450	Outdoor Equipment Earthing - 220KV Building	121	13-May-2019	11-Sep-2019	-21	11-May-2019	30-Jul-2019
CNCEL1420	Indoor Equipment Earthing - 220KV Building	106	29-May-2019	11-Sep-2019	-21	08-Jun-2019	30-Jul-2019
CNCEL1460	Outdoor Equipment Earthing - 500KV Building	102	02-Jun-2019	11-Sep-2019	-21	11-May-2019	30-Jul-2019
CNCEL1430	Indoor Equipment Earthing - 500KV Building	87	17-Jun-2019	11-Sep-2019	-21	08-Jun-2019	30-Jul-2019
Lightning Protection System		61	29-Apr-2019	28-Jun-2019	54	11-Feb-2019	11-Jul-2019
CNCEL1510	Lightning Protection System for 220KV GIS & Control Building	30	29-Apr-2019	29-May-2019	22	11-Feb-2019	11-Jul-2019
CNCEL1530	Lightning Protection System for Tie Transformer 500/220kV	30	18-May-2019	17-Jun-2019	33	11-Feb-2019	11-Jul-2019
CNCEL1520	Lightning Protection System for 500KV GIS & Control Building	30	29-May-2019	28-Jun-2019	54	11-Feb-2019	11-Jul-2019
Cable and Raceway		65	25-May-2019	28-Jul-2019	4	11-Jan-2019	11-Jul-2019
220kV GIS & Control Buildings		55	25-May-2019	19-Jul-2019	-32	11-Jan-2019	11-Jul-2019
CNCEL1610	Raceway of 220KV GIS Building	25	25-May-2019	19-Jun-2019	-32	11-Jan-2019	11-Jul-2019
CNCEL1620	Raceway of 220KV Control Building	25	25-May-2019	19-Jun-2019	-32	11-Jan-2019	11-Jul-2019
CNCEL1630	Cable Pulling & Termination of 220KV Building	30	19-Jun-2019	19-Jul-2019	-32	26-Mar-2019	11-Jul-2019
500kV GIS & Control Buildings		45	13-Jun-2019	28-Jul-2019	4	11-Jan-2019	11-Jul-2019
CNCEL1640	Raceway of 500KV GIS Building	30	13-Jun-2019	13-Jul-2019	4	11-Jan-2019	11-Jul-2019
CNCEL1650	Raceway of 500KV Control Building	30	13-Jun-2019	13-Jul-2019	4	11-Jan-2019	11-Jul-2019
CNCEL1660	Cable Pulling & Termination of 500KV Building	45	13-Jun-2019	28-Jul-2019	4	26-Mar-2019	11-Jul-2019
Lighting and Power Distribution System		142	03-Mar-2019	22-Jul-2019	30	11-Feb-2019	11-Jul-2019
220kV GIS & Control Buildings		107	03-Mar-2019	18-Jun-2019	65	11-Feb-2019	11-Jul-2019
CNCEL1710	Lighting System of 220KV Building	107	03-Mar-2019	18-Jun-2019	65	11-Feb-2019	11-Jul-2019
CNCEL1720	Power Distribution System of 220KV Building	107	03-Mar-2019	18-Jun-2019	65	11-Feb-2019	11-Jul-2019
500kV GIS & Control Buildings		115	30-Mar-2019	22-Jul-2019	30	11-Feb-2019	11-Jul-2019
CNCEL1730	Lighting System of 500KV Building	115	30-Mar-2019	22-Jul-2019	30	11-Feb-2019	11-Jul-2019
CNCEL1740	Power Distribution System of 500KV Building	115	30-Mar-2019	22-Jul-2019	30	11-Feb-2019	11-Jul-2019
Marshalling Cabinets		29	19-Jul-2019	17-Aug-2019	4	11-Feb-2019	11-Jul-2019
220kV GIS & Control Buildings		13	19-Jul-2019	01-Aug-2019	-32	11-Feb-2019	11-Jul-2019
CNCEL1810	Installation of Panel Support of 220KV	10	19-Jul-2019	29-Jul-2019	-32	11-Feb-2019	11-Jul-2019



Primary Baseline
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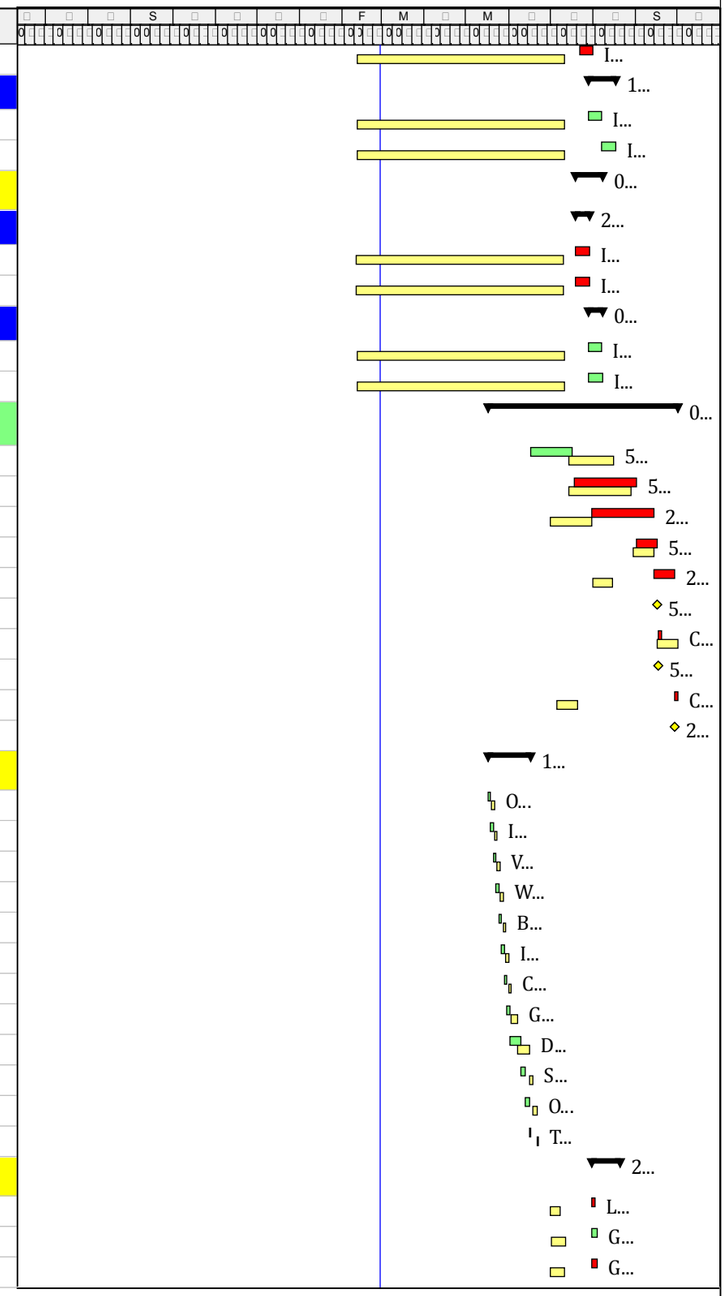
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

ctivity	ctivity a	riginal ration	Start	Finish	otal Float	B ro ct Start	B ro ct Finish
CNCEL1820	Installation of Marshalling Cabinet of 220KV	10	22-Jul-2019	01-Aug-2019	-32	11-Feb-2019	11-Jul-2019
500kV GIS & Control Buildings		20	28-Jul-2019	17-Aug-2019	4	11-Feb-2019	11-Jul-2019
CNCEL1830	Installation of Panel Support of 500KV	10	28-Jul-2019	07-Aug-2019	4	11-Feb-2019	11-Jul-2019
CNCEL1840	Installation of Marshalling Cabinet of 500KV	10	07-Aug-2019	17-Aug-2019	4	11-Feb-2019	11-Jul-2019
Interface Unit Panel		20	19-Jul-2019	08-Aug-2019	14	11-Feb-2019	11-Jul-2019
220kV GIS & Control Buildings		10	19-Jul-2019	29-Jul-2019	-29	11-Feb-2019	11-Jul-2019
CNCEL1910	Installation of Panel Support of 220KV	10	19-Jul-2019	29-Jul-2019	-29	11-Feb-2019	11-Jul-2019
CNCEL1920	Installation of Interface unit Panel of 220KV	10	19-Jul-2019	29-Jul-2019	-29	11-Feb-2019	11-Jul-2019
500kV GIS & Control Buildings		10	28-Jul-2019	08-Aug-2019	14	11-Feb-2019	11-Jul-2019
CNCEL1930	Installation of Panel Support of 500KV	10	28-Jul-2019	07-Aug-2019	14	11-Feb-2019	11-Jul-2019
CNCEL1940	Installation of Interface Unit Panel of 500KV	10	29-Jul-2019	08-Aug-2019	14	11-Feb-2019	11-Jul-2019
Start-up, Testing & Commissioning		137	17-May-2019	01-Oct-2019	-41	20-May-2019	01-Oct-2019
CNZCS050	500/220kV Tie Transformer Testing	30	17-Jun-2019	17-Jul-2019	33	15-Jul-2019	16-Aug-2019
CNZCS070	500kV Switchyard Testing	45	18-Jul-2019	01-Sep-2019	-30	15-Jul-2019	29-Aug-2019
CNZCS010	220kV Switchyard Testing	45	31-Jul-2019	14-Sep-2019	-41	01-Jul-2019	31-Jul-2019
CNZCS080	500kV End to End Testing	15	01-Sep-2019	16-Sep-2019	-30	30-Aug-2019	14-Sep-2019
CNZCS020	220kV End to End Testing	15	14-Sep-2019	29-Sep-2019	-41	01-Aug-2019	15-Aug-2019
CNZCS090	500kV Switchyard Energization	0		16-Sep-2019	-30		15-Sep-2019
CNZCS100	Connection to Generation Step-Up TR	2	17-Sep-2019	19-Sep-2019	-29	16-Sep-2019	01-Oct-2019
CNZCS060	500/220kV TR Energization	0		17-Sep-2019	-29		20-Aug-2019
CNZCS040	Connection to Station Service Transformer	2	29-Sep-2019	01-Oct-2019	-41	05-Jul-2019	20-Jul-2019
CNZCS030	220kV Switchyard Energization	0		29-Sep-2019	-41		16-Aug-2019
500/220kv Tie Transformers Testing		31	17-May-2019	17-Jun-2019	66	20-May-2019	23-Jun-2019
EC2060	Oil Breakdown Voltage Test	2	17-May-2019	19-May-2019	66	20-May-2019	22-May-2019
EC2070	Insulation Resistance Measurement Test	2	19-May-2019	21-May-2019	66	22-May-2019	24-May-2019
EC2080	Voltage Ratio Test	2	21-May-2019	23-May-2019	66	24-May-2019	26-May-2019
EC2090	Winding Resistance Measure	2	23-May-2019	25-May-2019	66	26-May-2019	28-May-2019
EC2100	BCT Test	2	25-May-2019	27-May-2019	66	28-May-2019	30-May-2019
EC2110	Insulation P.F Measurement (Tangent Delta)	2	27-May-2019	29-May-2019	66	30-May-2019	01-Jun-2019
EC2120	Circuit Check	2	29-May-2019	31-May-2019	66	01-Jun-2019	03-Jun-2019
EC2130	Gas Filling For Oil Leakage Test	2	31-May-2019	02-Jun-2019	66	03-Jun-2019	08-Jun-2019
EC2140	Dew Point Check	8	02-Jun-2019	10-Jun-2019	66	08-Jun-2019	16-Jun-2019
EC2150	Sweep Frequency Response Analyzer (SFRA) Test	3	10-Jun-2019	13-Jun-2019	66	16-Jun-2019	19-Jun-2019
EC2160	Oil Leakage Test	3	13-Jun-2019	16-Jun-2019	66	19-Jun-2019	22-Jun-2019
EC2170	Touch up painting & Final Check	1	16-Jun-2019	17-Jun-2019	66	22-Jun-2019	23-Jun-2019
220 kV Gas Insulated Switchyard Testing		21	31-Jul-2019	21-Aug-2019	-1	01-Jul-2019	31-Jul-2019
EC1470	Line Check (LCP Function Test)	3	31-Jul-2019	03-Aug-2019	-8	01-Jul-2019	08-Jul-2019
EC1520	Gas Dew Test Point	4	31-Jul-2019	04-Aug-2019	4	02-Jul-2019	12-Jul-2019
EC1760	Gas Purity Test	4	31-Jul-2019	04-Aug-2019	-1	01-Jul-2019	11-Jul-2019



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CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

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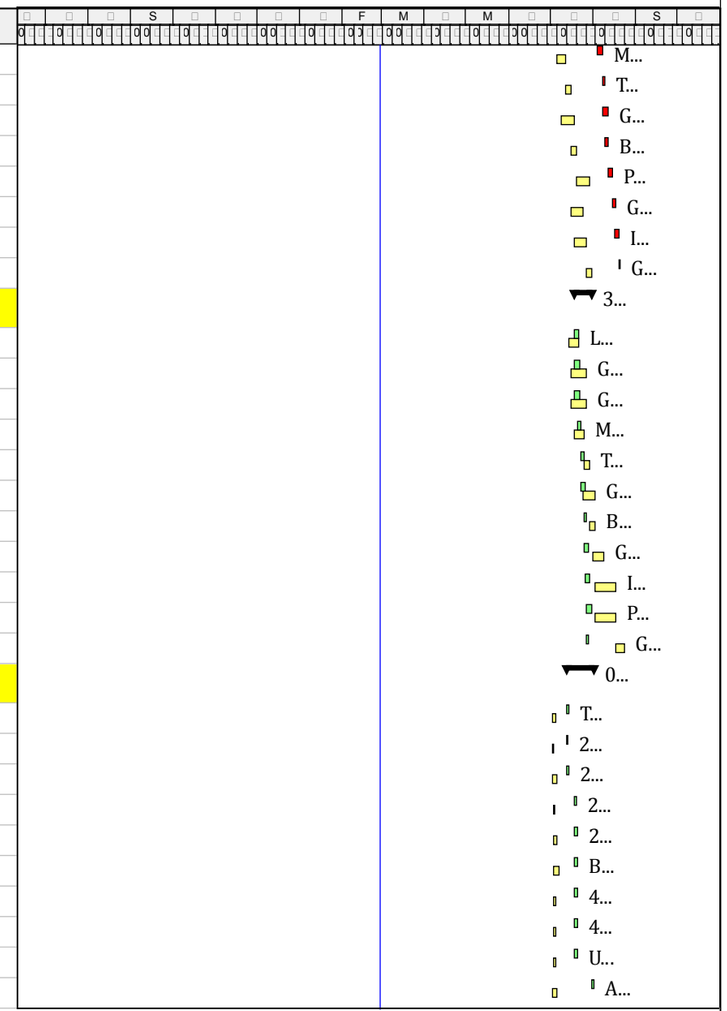
EC1480	Main Contact Resistance Test	4	04-Aug-2019	08-Aug-2019	-8	06-Jul-2019	12-Jul-2019
EC1490	Timing Test	2	08-Aug-2019	10-Aug-2019	-8	12-Jul-2019	16-Jul-2019
EC1770	Gas Gauge Test	4	08-Aug-2019	12-Aug-2019	-1	09-Jul-2019	18-Jul-2019
EC1500	BCT Test	2	10-Aug-2019	12-Aug-2019	-8	16-Jul-2019	20-Jul-2019
EC1510	PT Test	3	12-Aug-2019	15-Aug-2019	-8	20-Jul-2019	29-Jul-2019
EC1780	Gas Leakage Test	3	15-Aug-2019	18-Aug-2019	-1	16-Jul-2019	25-Jul-2019
EC1790	Interlock Test	3	17-Aug-2019	20-Aug-2019	-1	18-Jul-2019	27-Jul-2019
EC1800	GIS High Voltage Test, Megger Test	1	20-Aug-2019	21-Aug-2019	-1	27-Jul-2019	31-Jul-2019
500 kV Gas Insulated Switchyard Testing		13	18-Jul-2019	31-Jul-2019	21	15-Jul-2019	24-Aug-2019
EC3010	Line Check (LCP Function Test)	3	18-Jul-2019	21-Jul-2019	6	15-Jul-2019	22-Jul-2019
EC3030	Gas Dew Test Point	4	18-Jul-2019	22-Jul-2019	30	16-Jul-2019	27-Jul-2019
EC3020	Gas Purity Test	4	18-Jul-2019	22-Jul-2019	6	16-Jul-2019	27-Jul-2019
EC3040	Main Contact Resistance Test	3	20-Jul-2019	23-Jul-2019	6	19-Jul-2019	26-Jul-2019
EC3060	Timing Test	2	23-Jul-2019	25-Jul-2019	6	26-Jul-2019	30-Jul-2019
EC3050	Gas Gauge Test	3	23-Jul-2019	26-Jul-2019	6	25-Jul-2019	03-Aug-2019
EC3070	BCT Test	2	25-Jul-2019	27-Jul-2019	6	30-Jul-2019	03-Aug-2019
EC3080	Gas Leakage Test	3	25-Jul-2019	28-Jul-2019	6	01-Aug-2019	09-Aug-2019
EC3090	Interlock Test	3	26-Jul-2019	29-Jul-2019	6	03-Aug-2019	18-Aug-2019
EC3100	PT Test	4	27-Jul-2019	31-Jul-2019	6	03-Aug-2019	18-Aug-2019
EC3110	GIS High Voltage Test, Megger Test	1	27-Jul-2019	28-Jul-2019	6	18-Aug-2019	24-Aug-2019
(Other Tests) AC, DC, Auxiliary and Services Systems		20	13-Jul-2019	02-Aug-2019	20	03-Jul-2019	07-Jul-2019
EC1590	Testing of 380V AC Panel Testing	2	13-Jul-2019	15-Jul-2019	38	03-Jul-2019	05-Jul-2019
EC1600	220V DC Panel of (220kV GIS)	1	13-Jul-2019	14-Jul-2019	39	03-Jul-2019	04-Jul-2019
EC1630	220V DC Charger of (220kV GIS)	2	13-Jul-2019	15-Jul-2019	38	03-Jul-2019	06-Jul-2019
EC1610	220V DC Panel of (500kV GIS)	1	19-Jul-2019	20-Jul-2019	33	03-Jul-2019	04-Jul-2019
EC1640	220V DC Charger of (500kV GIS)	2	19-Jul-2019	21-Jul-2019	32	03-Jul-2019	06-Jul-2019
EC1650	Battery Connection Inspection	2	19-Jul-2019	21-Jul-2019	32	03-Jul-2019	07-Jul-2019
EC1660	48V DC Charger	2	19-Jul-2019	21-Jul-2019	32	03-Jul-2019	05-Jul-2019
EC1670	48V DC Panel	2	19-Jul-2019	21-Jul-2019	32	03-Jul-2019	05-Jul-2019
EC1680	UPS Check	2	19-Jul-2019	21-Jul-2019	32	03-Jul-2019	05-Jul-2019
EC1620	Auxiliary Transformer Testing	2	31-Jul-2019	02-Aug-2019	20	03-Jul-2019	06-Jul-2019



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Section 6.2 Critical Path

Updated Schedule Based on Baseline Schedule (Rev. E).

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

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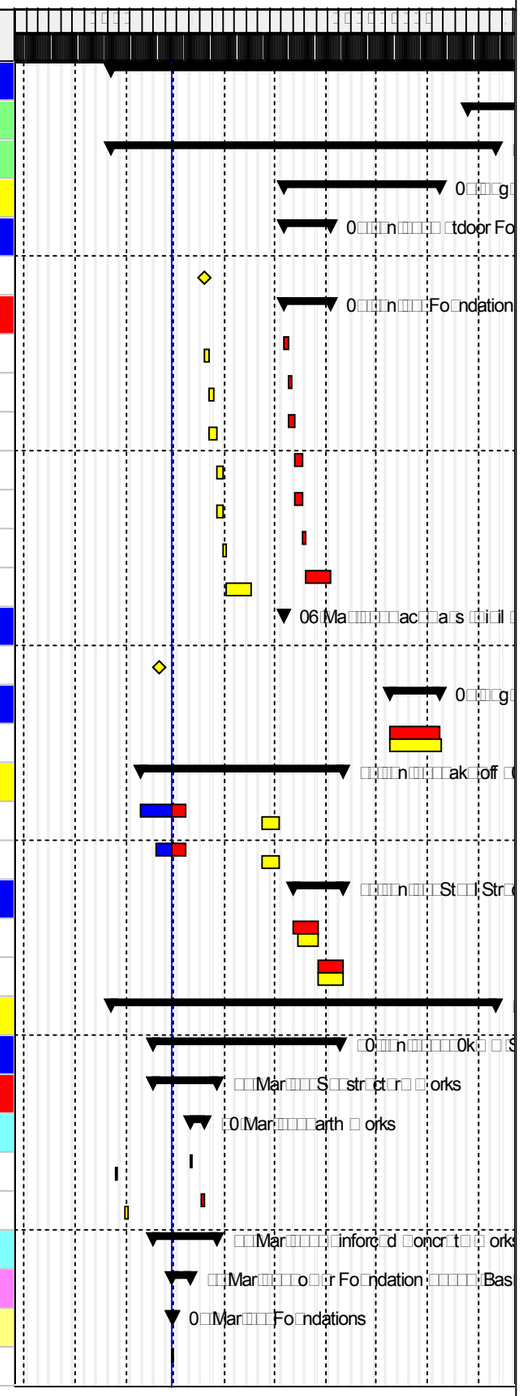
Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
	(Cairo West Supercritical Power Station-Recovery Plan_ Based On_Revised S		6	an	n	0	c	n
	Contractual Milestone		0	g	n	0	l	n
	Construction Works			an	S		0 c	0 g
	Tie Transformer / Gas Insulated Bus Ducts			06 Ma	0 g	0	0 F	0 g
	Outdoor Foundation Works For Gas Insulated Bus (GIB)			06 Ma	0 n	0	0 Mar	r
	6 0 Start il orks of as nsulated B s cts	ot Started	0	06 Ma			0 Mar	
	Foundation Works For GIB From (500/220kv) Tie Transformer to 220kv GIS Bldg			06 Ma	0 n	0	0 Mar	r
	ca ating till c ing th ro d Fo ndation l	ot Started		06 Ma	0 Ma	0	0 Mar	Mar
	o ring a lain oncr t Fo ndation a r ith th a ro d thickn ss	ot Started		0 Ma	Ma	0	Mar	Mar
	inforc d oncr t orks for Fo ndations & S condar arthing for linking to th n ar st Main rid	ot Started		0 Ma	Ma	0	Mar	Mar
	inforc d oncr t orks for d stal & S condar arthing	ot Started		Ma	Ma	0	Mar	Mar
	install dd d lat s for d stals & S condar arthing	ot Started		Ma	Ma	0	Mar	Mar
	at n roof of th fo ndations & Bacfilling orks	ot Started		Ma	Ma	0	Mar	0 r
	ss l & installation of s orting st l str ct n s	ot Started		Ma	0 n	0	0 r	r
	Raceways (Civil Works)		0	06 Ma	06 Ma		0 F	0 F
	60 Start il orks For o tdoor ac a s	ot Started	0	06 Ma			0 F	
	Landscape Work		0	0 l	0 g	0	0 l	0 g
	ll F nc orks	ot Started	0	0 l	0 g	0	0 l	0 g
	Take-off 500kv Gantry Tower		0	0 F	n		r	n
	0 inforc d oncr t orks for Fo ndation & S condar arthing for linking to th n ar st Main rid	n rogr ss		0 F	0 Mar		r	0 Ma
	inforc d oncr t orks for d stal & install dd d lat s & S condar arthing	n rogr ss		F	0 Mar		r	0 Ma
	Steel Structure Work		0	Ma	n		Ma	n
	S ss l & S tting of th st l col ns	ot Started		Ma	Ma		Ma	Ma
	S installation & Fi ing of th St l ird r S orting St l & cc ssori s	ot Started		Ma	n		Ma	n
	GIS Buildings Works			an	S		0 c	0 n
	220kV GIS Building		0	F	0 n		0 an	0 Ma
	Substructure Works			F	Mar		0 an	0 F
	Earth Works			Mar	0 Mar		an	0 F
	SE Backfill orks till th fo ndation l l of th dd d tr nch	ot Started		Mar	Mar		an	6 an
	Backfill orks till th nd rsid l l of th sla on grad ldg floor sla	ot Started		Mar	0 Mar		an	0 F
	Reinforced Concrete Works			F	Mar		0 an	0 F
	Lower Foundation LeveL (Basement)			F	Mar		an	an
	Foundations			F	0 Mar			
	Stri ing For orks	ot Started		F	0 Mar			



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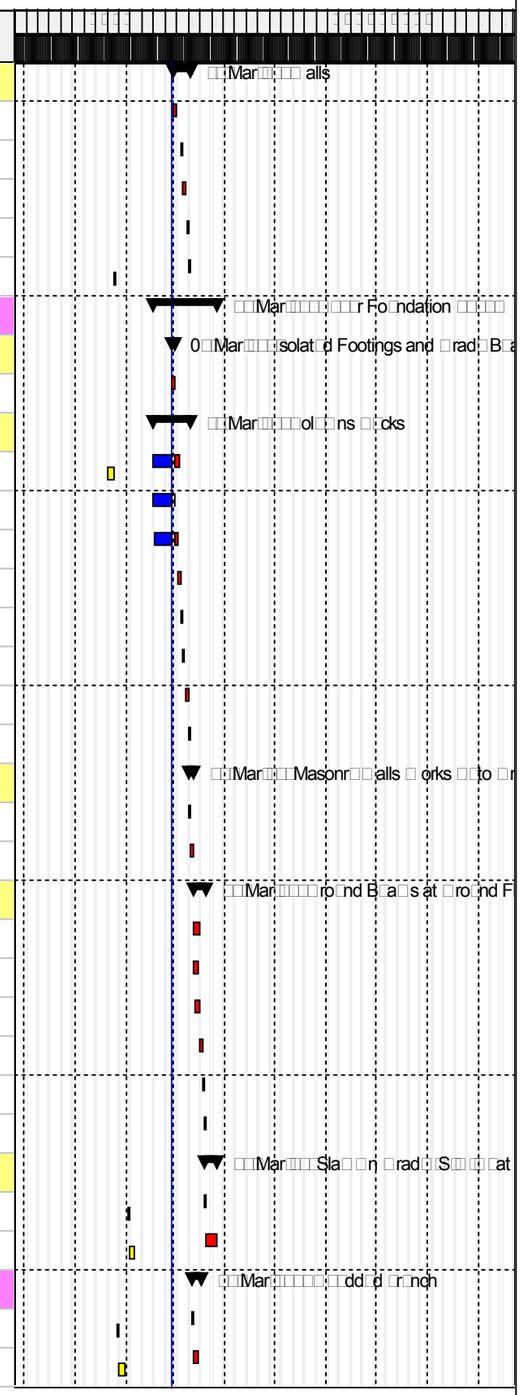
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
	Walls		0	0 Mar	Mar		an	an
	For orks st fi sta lising s & o gh ar ntar	ot Started		0 Mar	0 Mar			
	st For ns ction S o	ot Started		06 Mar	0 Mar			
	onc t o ring	ot Started		0 Mar	0 Mar			
	Stri ing For orks	ot Started		0 Mar	0 Mar			
	at roof orks for th Bas nt alls & ol ns n cks till th a ro d l	ot Started		0 Mar	Mar		an	an
	Upper Foundation LeveL		F	Mar	Mar		0 an	0 F
	Isolated Footings and Grade Beams		F	0 Mar	0			
	Stri ing For orks	ot Started	F	0 Mar	0			
	Columns Necks		F	Mar	0	0 an	an	
	For orks st fi Scaffolding sta lishing s & o gh ar ntar	n rogr ss	F	0 Mar	0	0 an	an	
	St l Fa rication tting & B nding	n rogr ss	F	0 Mar	0			
	St l installation & Fi ing For ol ns cks	n rogr ss	F	0 Mar	0			
	For orks nd fi Fortification & S orting	ot Started	0 Mar	0 Mar	0			
	st For ns ction S o	ot Started	0 Mar	06 Mar	0			
	onc t o ring	ot Started	06 Mar	0 Mar	0			
	Stri ing For orks	ot Started	0 Mar	0 Mar	0			
	at roof orks for th ol ns cks	ot Started	0 Mar	Mar	0			
	Masonry Walls Works Upto Ground Beams LeveL (G.B.L)		0 Mar	Mar	0			
	B ilding Masonr all till th nd rsid of th ro nd B a s	ot Started	0 Mar	Mar	0			
	at roof orks for th Masonr all till B	ot Started	Mar	Mar	0			
	Ground Beams at Ground Floor LeveL (G.F.L)		Mar	Mar	0			
	For orks st fi sta lishing s & o gh ar ntar	ot Started	Mar	Mar	0			
	St l Fa rication tting & B nding	ot Started	Mar	6 Mar	0			
	St l installation & Fi ing for footings and ol ns lls	ot Started	Mar	Mar	0			
	For orks nd fi Fortification & S orting	ot Started	Mar	Mar	0			
	st For ns ction S o	ot Started	Mar	0 Mar	0			
	onc t o ring	ot Started	0 Mar	Mar	0			
	Slab On Grade (S.O.G) at (G.F.L)		0 Mar	Mar		0 F	0 F	
	S n ading a o n Moist n tard r nd rsid th Sla on rad & to acc to s cs	ot Started	0 Mar	Mar		0 F	0 F	
	orks for th ro nd Floor S & grad a s at th gro nd l for 0k S Bldg	ot Started	6 Mar	Mar		0 F	0 F	
	Embedded Trench		6 Mar	Mar		6 an	0 F	
	& at roof orks nd r th Mat of th dd d tr nch & to cc to th s cs	ot Started	Mar	Mar		6 an	an	
	orks for th hol dd d r nch insid 0k S Bldg & S ondar arthing	ot Started	Mar	6 Mar		an	an	



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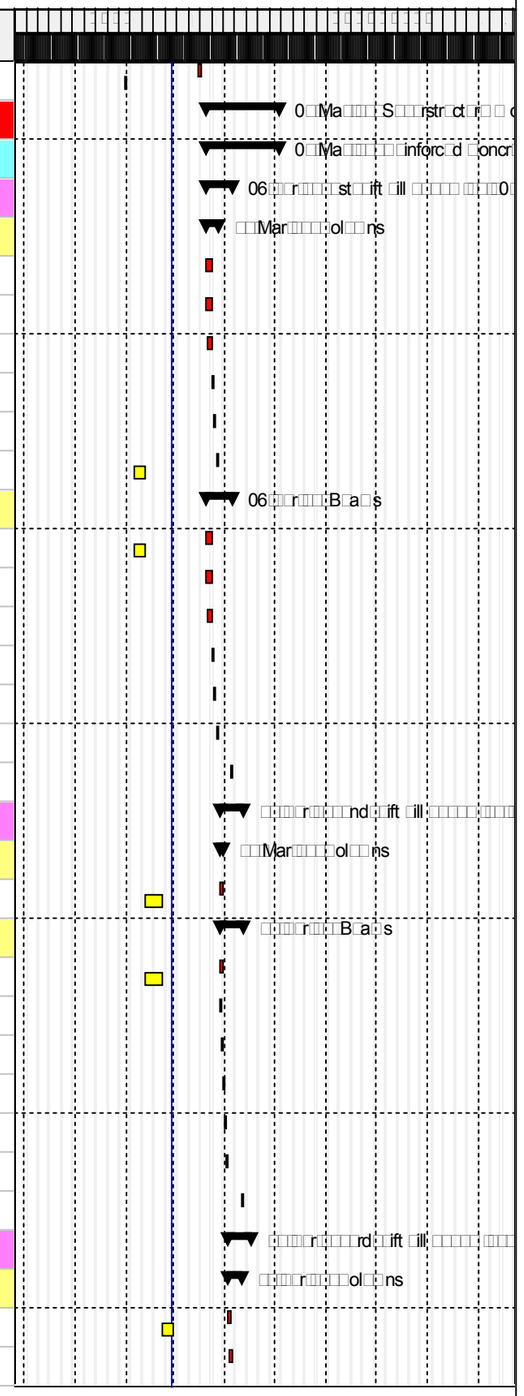
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
	Flat roof works for the walls of the [illegible] added trench	Not Started	[illegible]	16-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]	[illegible]-Jan-[illegible]	0[illegible]-Feb-[illegible]
	Superstructure Works		[illegible]	[illegible]-Mar-[illegible]	0[illegible]-Ma[illegible]	[illegible]	0[illegible]-Feb-[illegible]	[illegible]-Mar-[illegible]
	Reinforced Concrete Works		[illegible]	[illegible]-Mar-[illegible]	0[illegible]-Ma[illegible]	[illegible]	0[illegible]-Feb-[illegible]	[illegible]-Mar-[illegible]
	1st. Lift Till Level. (+4.70m)		6[illegible]	[illegible]-Mar-[illegible]	06-[illegible]-r-[illegible]	[illegible]	0[illegible]-Feb-[illegible]	[illegible]-Feb-[illegible]
	Columns		[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]	0[illegible]-Feb-[illegible]	[illegible]-Feb-[illegible]
	Setting [illegible] Scaffolding & Formworks [illegible] through [illegible]	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]0		
	Steel Fabrication [illegible]tting & Bending	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]0		
	Steel Installation & Fixing	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]0		
	Formworks [illegible] Fortification & S[illegible]orting	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]0		
	[illegible]st Formwork Inspection [illegible] S[illegible]	Not Started	[illegible]	[illegible]-Mar-[illegible]	6-Mar-[illegible]	[illegible]0		
	Concrete [illegible]oring [illegible]st lift for [illegible]0k[illegible] S Bldg [illegible]olumns	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]	0[illegible]-Feb-[illegible]	[illegible]-Feb-[illegible]
	Beams		6[illegible]	[illegible]-Mar-[illegible]	06-[illegible]-r-[illegible]	[illegible]	0[illegible]-Feb-[illegible]	[illegible]-Feb-[illegible]
	Setting [illegible] Scaffolding & Formworks [illegible] through [illegible]	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]0	0[illegible]-Feb-[illegible]	[illegible]-Feb-[illegible]
	Steel Fabrication [illegible]tting & Bending	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]0		
	Steel Installation & Fixing	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]0		
	Formworks [illegible] Fortification & S[illegible]orting	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]0		
	[illegible]st Formwork Inspection [illegible] S[illegible]	Not Started	[illegible]	[illegible]-Mar-[illegible]	6-Mar-[illegible]	[illegible]0		
	Concrete [illegible]oring [illegible]st lift for [illegible]0k[illegible] S Bldg B[illegible]s	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]		
	Striking Formworks	Not Started	[illegible]	0[illegible]-r-[illegible]	06-[illegible]-r-[illegible]	[illegible]		
	2nd. Lift Till Level. (+8.41m)		[illegible]	[illegible]-Mar-[illegible]	[illegible]-r-[illegible]	[illegible]	[illegible]-Feb-[illegible]	[illegible]-Feb-[illegible]
	Columns		[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]	[illegible]-Feb-[illegible]	[illegible]-Feb-[illegible]
	Setting [illegible] Scaffolding & Formworks [illegible] through [illegible]	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]	[illegible]-Feb-[illegible]	[illegible]-Feb-[illegible]
	Beams		[illegible]	[illegible]-Mar-[illegible]	[illegible]-r-[illegible]	[illegible]	[illegible]-Feb-[illegible]	[illegible]-Feb-[illegible]
	Setting [illegible] Scaffolding & Formworks [illegible] through [illegible]	Not Started	[illegible]	[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]	[illegible]-Feb-[illegible]	[illegible]-Feb-[illegible]
	Steel Fabrication [illegible]tting & Bending	Not Started	[illegible]	[illegible]-Mar-[illegible]	0[illegible]-Mar-[illegible]	[illegible]		
	Steel Installation & Fixing	Not Started	[illegible]	0[illegible]-Mar-[illegible]	[illegible]-Mar-[illegible]	[illegible]		
	Formworks [illegible] Fortification & S[illegible]orting	Not Started	[illegible]	[illegible]-Mar-[illegible]	0[illegible]-r-[illegible]	[illegible]		
	[illegible]st Formwork Inspection [illegible] S[illegible]	Not Started	[illegible]	0[illegible]-r-[illegible]	0[illegible]-r-[illegible]	[illegible]		
	Concrete [illegible]oring [illegible]nd lift for [illegible]0k[illegible] S Bldg B[illegible]s	Not Started	[illegible]	0[illegible]-r-[illegible]	0[illegible]-r-[illegible]	[illegible]		
	Striking Formworks	Not Started	[illegible]	[illegible]-r-[illegible]	[illegible]-r-[illegible]	[illegible]		
	3rd. Lift Till Level. (+11.50m)		[illegible]	0[illegible]-r-[illegible]	[illegible]-r-[illegible]	6[illegible]	[illegible]-Feb-[illegible]	[illegible]-Mar-[illegible]
	Columns		[illegible]	0[illegible]-r-[illegible]	[illegible]-r-[illegible]	6[illegible]	[illegible]-Feb-[illegible]	0[illegible]-Mar-[illegible]
	Setting [illegible] Scaffolding & Formworks [illegible] through [illegible]	Not Started	[illegible]	0[illegible]-r-[illegible]	0[illegible]-r-[illegible]	6[illegible]	[illegible]-Feb-[illegible]	0[illegible]-Mar-[illegible]
	Steel Fabrication [illegible]tting & Bending	Not Started	[illegible]	0[illegible]-r-[illegible]	06-[illegible]-r-[illegible]	6[illegible]		



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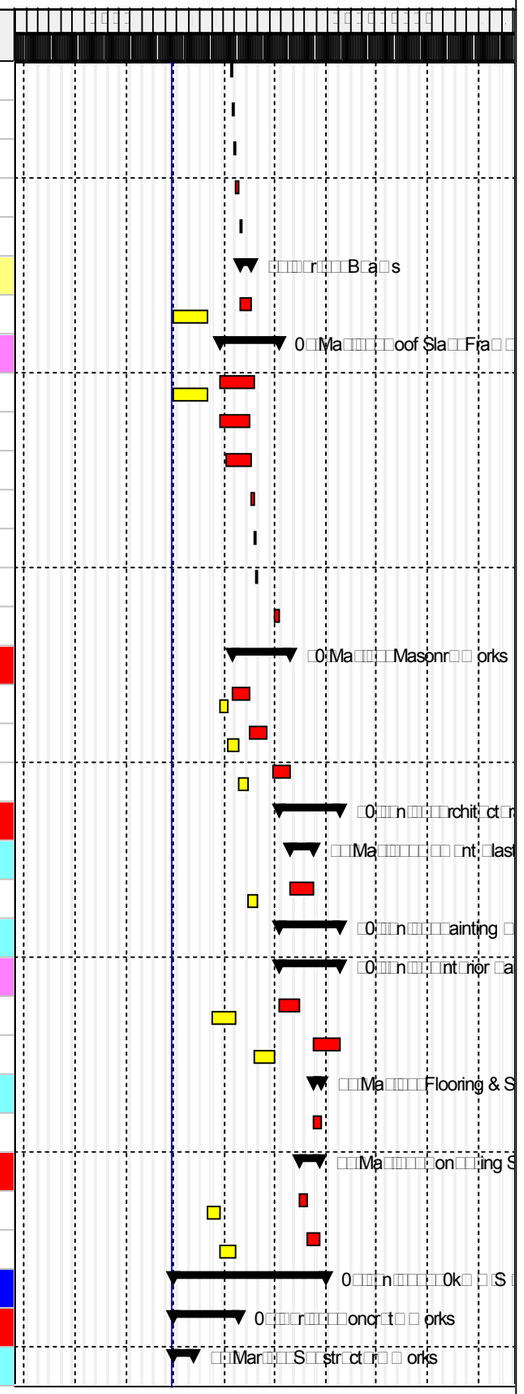
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
	Steel Installation & Fixing	Not Started	[illegible]	0[illegible]	06[illegible]	[illegible]6		
	Formworks Underfixture Fortification & Supporting	Not Started	[illegible]	06[illegible]	0[illegible]	[illegible]6		
	[illegible]st Formwork Construction [illegible]	Not Started	[illegible]	0[illegible]	0[illegible]	[illegible]6		
	Concrete Pouring [illegible]rd lift for [illegible]0k[illegible] [illegible]S Bldg Columns	Not Started	[illegible]	0[illegible]	0[illegible]	[illegible]6		
	Stripping Formworks	Not Started	[illegible]	[illegible]0[illegible]	[illegible]	[illegible]6		
	Beams		[illegible]	[illegible]0[illegible]	[illegible]	[illegible]6	0[illegible]Mar[illegible]	[illegible]Mar[illegible]
	Setting [illegible] Scaffolding & Formworks [illegible]	Not Started	[illegible]	[illegible]0[illegible]	[illegible]	[illegible]6	0[illegible]Mar[illegible]	[illegible]Mar[illegible]
	Roof Slab, Frame Girder & Parapet		[illegible]6	[illegible]Mar[illegible]	0[illegible]Ma[illegible]	[illegible]0	0[illegible]Mar[illegible]	[illegible]Mar[illegible]
	Setting [illegible] Scaffolding & Formworks [illegible]	Not Started	[illegible]	[illegible]Mar[illegible]	[illegible]	[illegible]	0[illegible]Mar[illegible]	[illegible]Mar[illegible]
	Steel Fabrication [illegible]tting & Bending	Not Started	[illegible]	[illegible]Mar[illegible]	[illegible]6	[illegible]		
	Steel Installation & Fixing	Not Started	[illegible]	0[illegible]	[illegible]	[illegible]		
	Formworks Underfixture Fortification & Supporting	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]st Formwork Construction [illegible]	Not Started	[illegible]	[illegible]	[illegible]0	[illegible]		
	Concrete Pouring for [illegible]0k[illegible] [illegible]S Bldg Roof Slab & Frame [illegible]irder	Not Started	[illegible]	[illegible]0	[illegible]	[illegible]		
	Stripping Formworks	Not Started	[illegible]	0[illegible]Ma[illegible]	0[illegible]Ma[illegible]	[illegible]0		
	Masonry Works		[illegible]	06[illegible]	0[illegible]Ma[illegible]	[illegible]	[illegible]Mar[illegible]	[illegible]
	Masonry [illegible] orks [illegible]M[illegible] for the [illegible]tter [illegible]alls till the [illegible]st [illegible] of [illegible]0k[illegible] [illegible]S Bldg & to [illegible] to s[illegible]s	Not Started	[illegible]0	06[illegible]	[illegible]6	[illegible]	[illegible]Mar[illegible]	0[illegible]
	Masonry [illegible] orks [illegible]M[illegible] for the [illegible]tter [illegible]alls till the [illegible]nd [illegible] of [illegible]0k[illegible] [illegible]S Bldg & to [illegible] to s[illegible]s	Not Started	[illegible]0	[illegible]6	[illegible]6	[illegible]	0[illegible]	0[illegible]
	Masonry [illegible] orks [illegible]M[illegible] for the [illegible]tter [illegible]alls till the [illegible]rd [illegible] of [illegible]0k[illegible] [illegible]S Bldg & to [illegible] to s[illegible]s	Not Started	[illegible]0	[illegible]0	[illegible]0Ma[illegible]	[illegible]	0[illegible]	[illegible]
	Architectural Finishes		[illegible]	0[illegible]Ma[illegible]	[illegible]0[illegible]n[illegible]	[illegible]	[illegible]Mar[illegible]	0[illegible]Ma[illegible]
	Cement Plaster Works		[illegible]	[illegible]0Ma[illegible]	[illegible]Ma[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]nterior Sid[illegible] of [illegible]alls [illegible]nt [illegible]last[illegible]ring [illegible] orks including accessories for [illegible]0k[illegible] [illegible]S Bldg & to [illegible] acc[illegible] to s[illegible]s	Not Started	[illegible]	[illegible]0Ma[illegible]	[illegible]Ma[illegible]	[illegible]	[illegible]	[illegible]
	Painting Works		[illegible]	0[illegible]Ma[illegible]	[illegible]0[illegible]n[illegible]	[illegible]	[illegible]Mar[illegible]	0[illegible]Ma[illegible]
	Interior Painting Works		[illegible]	0[illegible]Ma[illegible]	[illegible]0[illegible]n[illegible]	[illegible]	[illegible]Mar[illegible]	0[illegible]Ma[illegible]
	Finishing [illegible] orks for the [illegible]oof Slab	Not Started	[illegible]	0[illegible]Ma[illegible]	[illegible]6Ma[illegible]	[illegible]0	[illegible]Mar[illegible]	0[illegible]
	[illegible]ing [illegible]r [illegible]oats for [illegible]0k[illegible] [illegible]S Bldg [illegible]alls	Not Started	[illegible]6	[illegible]Ma[illegible]	[illegible]0[illegible]n[illegible]	[illegible]	[illegible]	0[illegible]Ma[illegible]
	Flooring & Skirting Works		[illegible]	[illegible]Ma[illegible]	[illegible]Ma[illegible]	[illegible]		
	[illegible]st [illegible]roof [illegible]o[illegible] [illegible]oating for the [illegible]Floor [illegible]nder [illegible]0k[illegible] [illegible]S [illegible]i[illegible] [illegible]nt [illegible]a	Not Started	[illegible]	[illegible]Ma[illegible]	[illegible]Ma[illegible]	[illegible]		
	Conveying System (Overhead Crane)		[illegible]	[illegible]6Ma[illegible]	[illegible]Ma[illegible]	[illegible]0	[illegible]Mar[illegible]	0[illegible]
	[illegible]Installation & fixing of the [illegible]Steel [illegible]irder [illegible]ail [illegible] of the [illegible] [illegible]rhead [illegible]ran[illegible]	Not Started	[illegible]	[illegible]6Ma[illegible]	[illegible]Ma[illegible]	[illegible]0	[illegible]Mar[illegible]	[illegible]Mar[illegible]
	[illegible]ran[illegible]S[illegible]st[illegible] for [illegible]0k[illegible] [illegible]S Bldg	Not Started	[illegible]	[illegible]Ma[illegible]	[illegible]Ma[illegible]	[illegible]0	[illegible]Mar[illegible]	0[illegible]
	220kV GIS Control Building		[illegible]	0[illegible]Mar[illegible]	0[illegible]n[illegible]	[illegible]	[illegible]6[illegible]an[illegible]	[illegible]
	Concrete Works		[illegible]	0[illegible]Mar[illegible]	0[illegible]	[illegible]	[illegible]6[illegible]an[illegible]	[illegible]F[illegible]
	Substructure Works		[illegible]	0[illegible]Mar[illegible]	[illegible]Mar[illegible]	[illegible]6	[illegible]6[illegible]an[illegible]	0[illegible]F[illegible]



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CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
	at roof orks for th solated Footings B alls and ol ns orks	ot Started		0 Mar	0 Mar	6	6 an	an
	Backfilling orks till th nd rsid of th lo r Sla n rad S	ot Started		0 Mar	0 Mar	6	an	0 an
	orks for th lo r sla on grad S for th ais d cc ss Floor S st	ot Started		0 Mar	0 Mar	6	0 an	0 F
	Backfilling orks till th nd rsid of th ro nd Floor l	ot Started		0 Mar	Mar	6	0 F	0 F
	orks for th sla on grad of th gro nd floor	ot Started		Mar	Mar	6	0 F	0 F
Superstructure Works			6	Mar	0 r		0 F	F
	orks for th ol ns till th roof l	ot Started	0	Mar	Mar		0 F	F
	orks of th roof fra ing s st & sla	ot Started		Mar	0 r		F	F
Masonry Works				r	0 Ma		0 Mar	6 Mar
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	Masonr orks M for th t mal alls of th 0k S trl Bldg & to cc to s cs	ot Started		r	0 Ma		0 Mar	6 Mar
Architectural Finishes			0	0 Ma	0 n		6 Mar	r
Interior Finishes			0	0 Ma	0 n		6 Mar	r
Relay Room				0 Ma	Ma		6 Mar	0 r
Cement Plaster Works				0 Ma	Ma		6 Mar	0 r
	nt Mortar S att ring orks	ot Started		0 Ma	0 Ma		6 Mar	Mar
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AC/DC Room			0	0 Ma	0 n		6 Mar	r
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	nt last ring orks	ot Started	0	0 Ma	Ma		Mar	0 r
Painting Works				Ma	Ma		0 r	r
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Raised Access Floor System				Ma	0 n		0 r	r
	installation of th M tal S ort S st	ot Started		Ma	0 n		0 r	r
500kV GIS Building				an	S		0 c	0 n
General Works & Testing				6 an	Mar	0	0 an	an
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	S o s i of S st ro al & S ction of il s for am ing t th oading st	ot Started		Mar	Mar	0	0 an	an
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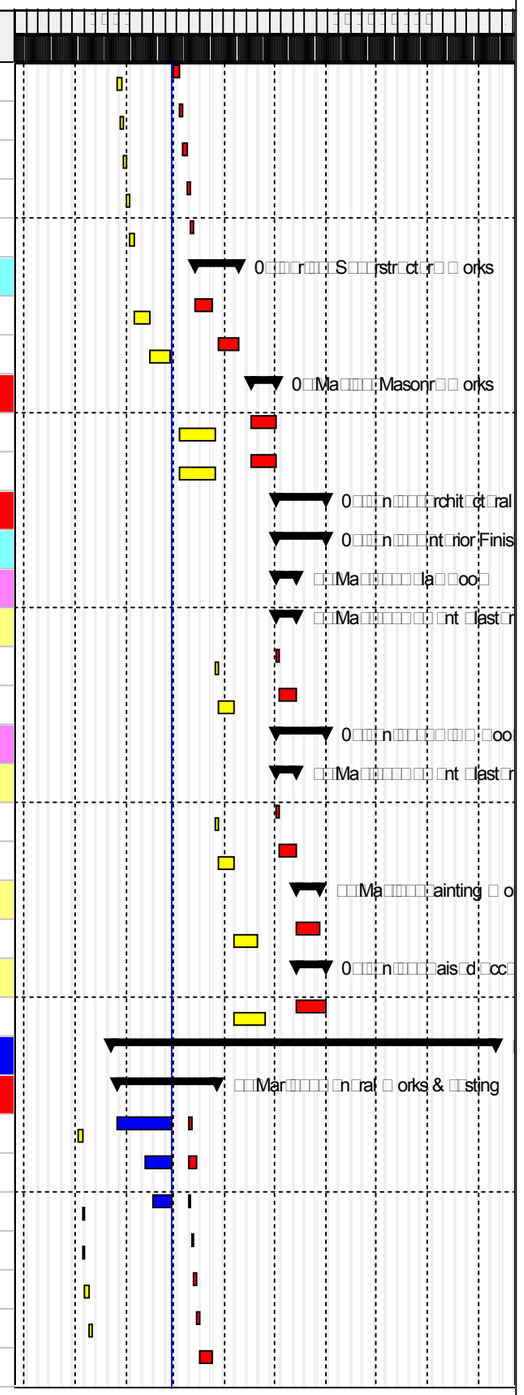

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CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
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Substructure Works			[illegible]0[illegible]	[illegible]an[illegible]	[illegible]r[illegible]	[illegible]0	[illegible]0[illegible]c[illegible]	0[illegible]F[illegible]
Earth Works			6[illegible]	[illegible]an[illegible]	[illegible]Mar[illegible]	[illegible]	[illegible]0[illegible]c[illegible]	0[illegible]an[illegible]
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Reinforced Concrete Works			[illegible]	[illegible]Mar[illegible]	[illegible]r[illegible]	[illegible]0	[illegible]an[illegible]	0[illegible]F[illegible]
Foundation LeveL			[illegible]	[illegible]Mar[illegible]	[illegible]r[illegible]	[illegible]0	[illegible]an[illegible]	0[illegible]F[illegible]
Isolated Footings and Grade Beams			[illegible]	[illegible]Mar[illegible]	0[illegible]r[illegible]	[illegible]0	[illegible]an[illegible]	0[illegible]F[illegible]
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Masonry Walls Works Upto Ground Beams LeveL (G.B.L)			[illegible]	[illegible]r[illegible]	[illegible]r[illegible]	[illegible]0		
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Ground Beams at Ground Floor LeveL (G.F.L)			[illegible]	[illegible]r[illegible]	[illegible]r[illegible]	[illegible]0		
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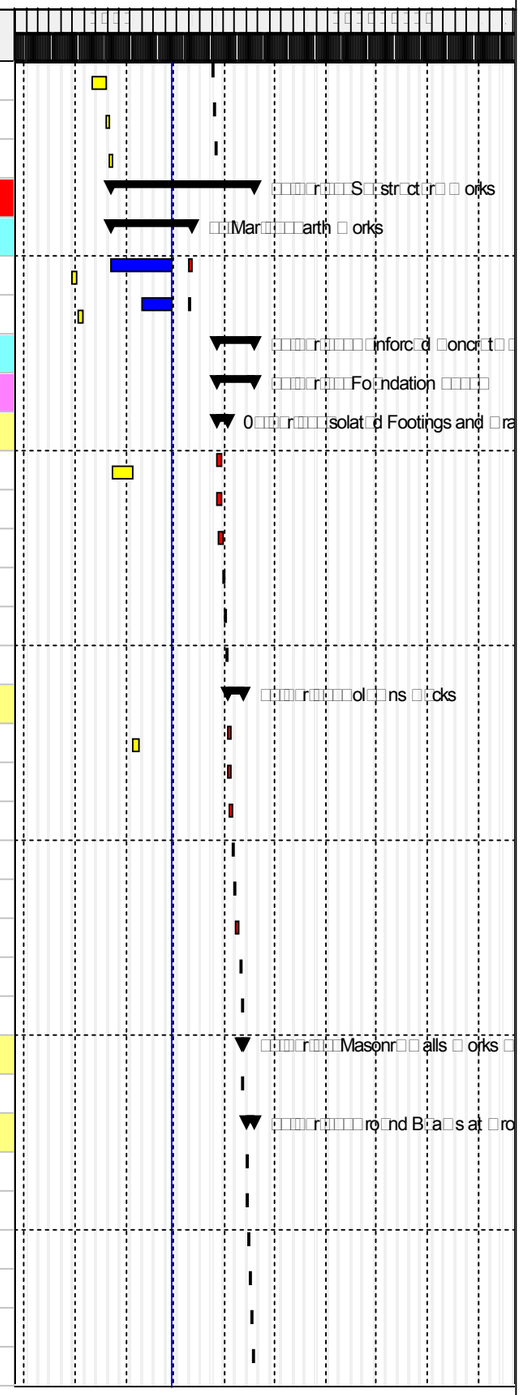

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Critical Path

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CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
	Superstructure Works		6	[illegible]	0[illegible]	[illegible]	[illegible]	0[illegible]
	Reinforced Concrete Works		6	[illegible]	0[illegible]	[illegible]	[illegible]	0[illegible]
	1st. Lift Till Level. (+4.70m)		6	[illegible]	[illegible]	[illegible]	[illegible]	0[illegible]Mar[illegible]
	Columns		6	[illegible]	[illegible]	[illegible]	[illegible]	0[illegible]Mar[illegible]
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	Steel Fabrication [illegible] tting & Bending	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
	Steel Installation & Fixing	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
	Form [illegible] orks and fixing Fortification & Supporting	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
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	Concrete [illegible] ring [illegible] st lift for [illegible]00k [illegible] S Bldg Columns	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
	Beams		6	[illegible]	[illegible]	[illegible]	[illegible]	0[illegible]Mar[illegible]
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	Steel Fabrication [illegible] tting & Bending	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
	Steel Installation & Fixing	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
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	2nd. Lift Till Level. (+9.66m)		6	[illegible]	[illegible]	[illegible]	0[illegible]Mar[illegible]	[illegible]Mar[illegible]
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	Steel Fabrication [illegible] tting & Bending	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
	Steel Installation & Fixing	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
	Form [illegible] orks and fixing Fortification & Supporting	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
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	Concrete [illegible] ring and lift for [illegible]00k [illegible] S Bldg Beams	Not Started	[illegible]	[illegible]	[illegible]	[illegible]		
	Beams		6	[illegible]	[illegible]	[illegible]	0[illegible]Mar[illegible]	[illegible]Mar[illegible]
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	3rd. Lift Till Level. (+14.10m)		[illegible]	[illegible]	0[illegible]Ma[illegible]	[illegible]	[illegible]Mar[illegible]	[illegible]Mar[illegible]
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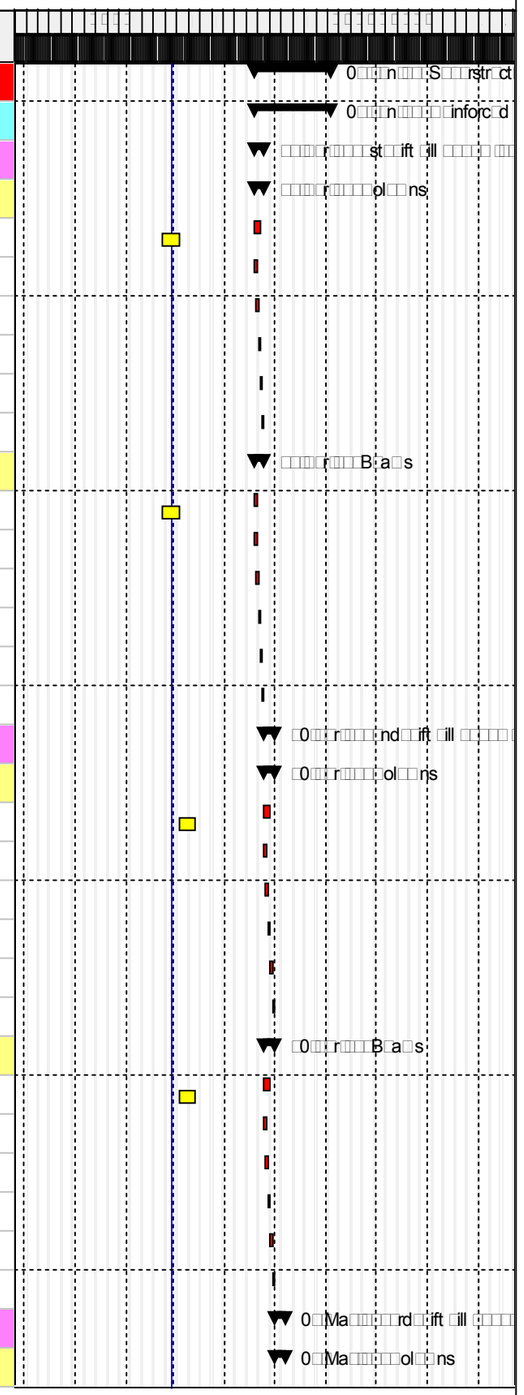

Primary Baseline
Actual Work
Remaining Work
Critical Remaining Work
Baseline Milestone
Start Date

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Critical Path

Date	Revision		
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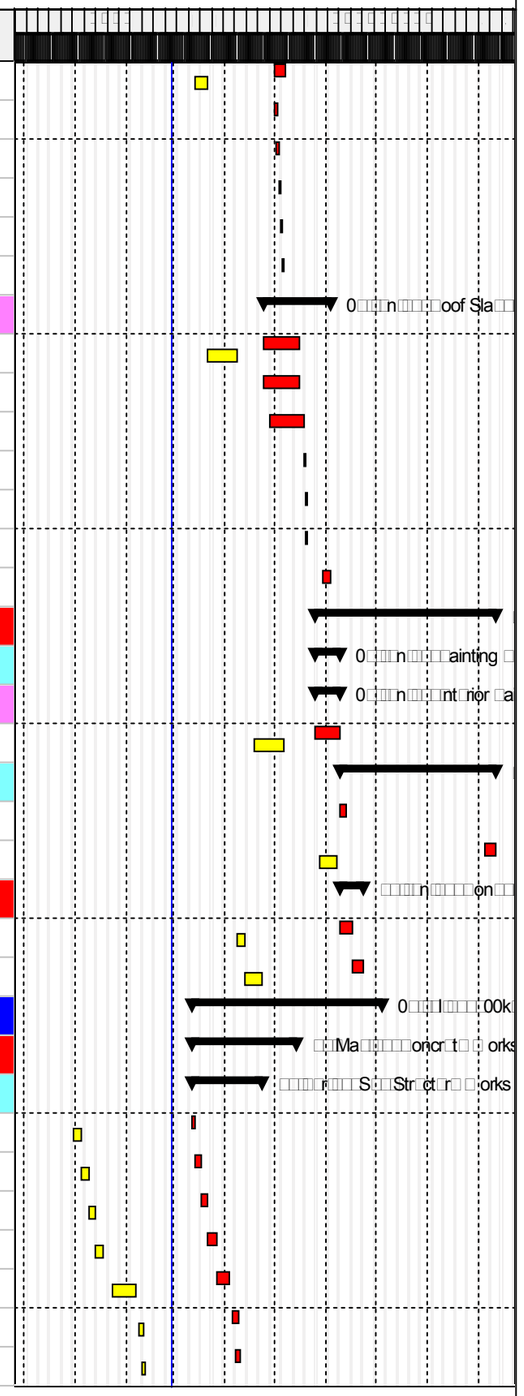
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Project Start	Baseline Project Finish
	Setting up Scaffolding & Formworks starting from Ground	Not Started		0[illegible]	0[illegible]	[illegible]	[illegible]	[illegible]
	Steel Fabrication [illegible]tting & Bending	Not Started		0[illegible]	0[illegible]	[illegible]		
	Steel Installation & Fixing	Not Started		0[illegible]	0[illegible]	[illegible]		
	Formworks and Reinforcement & Supporting	Not Started		0[illegible]	0[illegible]	[illegible]		
	[illegible] Concrete Pour [illegible]	Not Started		0[illegible]	0[illegible]	[illegible]		
	Concrete [illegible] for [illegible]	Not Started		0[illegible]	06[illegible]	[illegible]		
Roof Slab, Tie Beams, Frame Girder & Parapet			0	[illegible]	0[illegible]	[illegible]	[illegible]	0[illegible]
Setting up Scaffolding & Formworks starting from Ground		Not Started		[illegible]	[illegible]	0	[illegible]	0[illegible]
Steel Fabrication [illegible]tting & Bending		Not Started		[illegible]	[illegible]	[illegible]		
Steel Installation & Fixing		Not Started	0	[illegible]	[illegible]	[illegible]		
Formworks and Reinforcement & Supporting		Not Started		[illegible]	[illegible]	[illegible]		
Concrete Pour [illegible]		Not Started		[illegible]	0[illegible]	[illegible]		
Concrete [illegible] for [illegible] Bldg Roof Slab & Frame [illegible]		Not Started		[illegible]	0[illegible]	[illegible]		
Striking Formworks		Not Started		0[illegible]	0[illegible]	[illegible]		
Architectural Finishes			0	[illegible]	[illegible]	[illegible]	[illegible]	0[illegible]
Painting Works				[illegible]	0[illegible]	0	[illegible]	06[illegible]
Interior Painting Works				[illegible]	0[illegible]	0	[illegible]	06[illegible]
Painting Works for the Roof Slab		Not Started		[illegible]	0[illegible]	0	[illegible]	06[illegible]
Flooring & Skirting Works				0[illegible]	[illegible]	[illegible]	[illegible]	0[illegible]
[illegible] Roof [illegible]oating for the Floor and [illegible] Bldg		Not Started		0[illegible]	[illegible]	0		
[illegible] Roof [illegible]oating for the [illegible] Floor of the [illegible] Bldg		Not Started		0[illegible]	[illegible]	[illegible]	[illegible]	0[illegible]
Conveying System				0[illegible]	[illegible]	0	0[illegible]	[illegible]
[illegible] Installation & fixing of the [illegible]		Not Started		0[illegible]	[illegible]	0	0[illegible]	[illegible]
[illegible] Transformer for [illegible] Bldg		Not Started		[illegible]	[illegible]	0	[illegible]	[illegible]
500kV GIS Control Building			[illegible]	[illegible]	0[illegible]	6	[illegible]	6[illegible]
Concrete Works			6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sub-Structure Works				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Excavation Works till [illegible] and the foundation level		Not Started		[illegible]	[illegible]	[illegible]	[illegible]	0[illegible]
[illegible] Piling Works of the piles		Not Started		[illegible]	[illegible]	[illegible]	0[illegible]	0[illegible]
[illegible] 0[illegible] Structural backfill layer backfill & compaction		Not Started		[illegible]	[illegible]	[illegible]	0[illegible]	[illegible]
[illegible] Works [illegible] 0cm layer		Not Started		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] Works of the isolated Footings [illegible] Bolts [illegible] and [illegible] Walls & Slabs laying & secondary earthing		Not Started		[illegible]	0[illegible]	[illegible]	[illegible]	06[illegible]
[illegible] Waterproof Works for the isolated Footings [illegible] Walls and Bolts [illegible]		Not Started		06[illegible]	0[illegible]	[illegible]	0[illegible]	[illegible]
[illegible] Backfilling Works till the underside of the lower Slab [illegible] Grade [illegible]		Not Started		0[illegible]	0[illegible]	[illegible]	0[illegible]	[illegible]



Primary Baseline
Actual Work
Remaining Work
Critical Remaining Work
Baseline Milestone
Summary

Page [illegible] of [illegible]

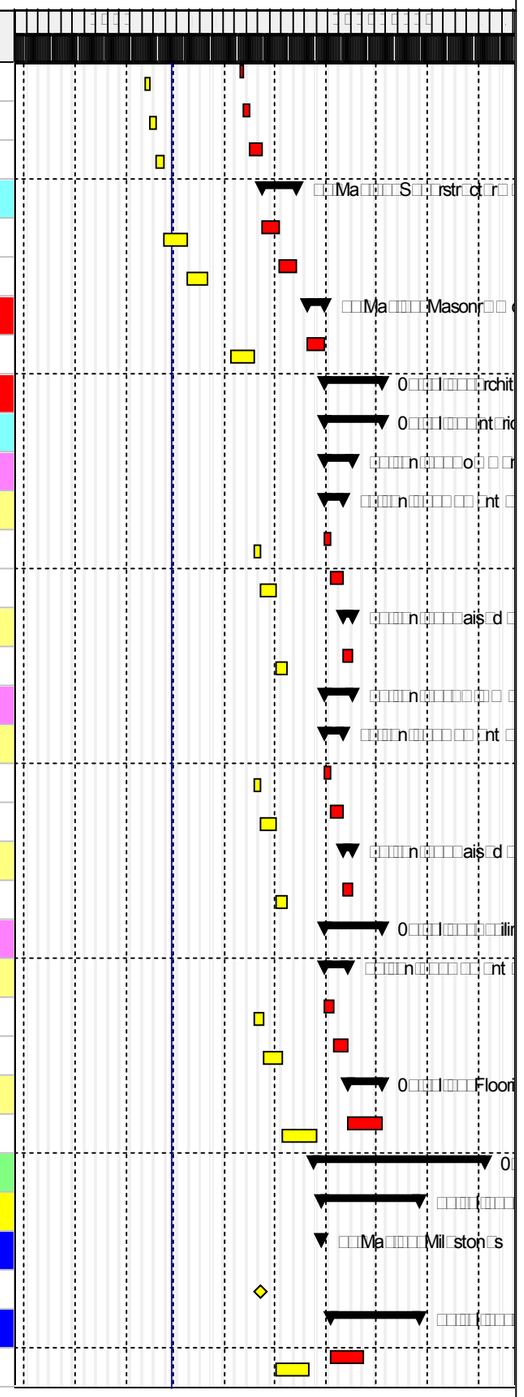
Critical Path

Date	Revision		
[illegible]F[illegible]	[illegible]S[illegible]		
[illegible]Mar[illegible]	[illegible]S[illegible]B		
0[illegible]n[illegible]	[illegible]S[illegible]		
[illegible]l[illegible]	[illegible]S[illegible]		
[illegible]c[illegible]	[illegible]S[illegible]		

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
	orks for th lo r sla on grad S for th ais d cc ss Floor Set	ot Start d		0 r	r		F	F
	Backfilling orks till th nd rsid of th ro nd Floor l	ot Start d		r	6 r		F	F
	orks for th sla on grad of th gro nd floor	ot Start d		6 r	r		F	F
Superstructure Works			0	r	Ma		F	Mar
	orks for th ol ns till th s cifi d l	ot Start d	0	r	0 Ma		F	0 Mar
	orks of th roof fra ing s st & sla	ot Start d	0	0 Ma	Ma		0 Mar	Mar
Masonry Works			0	Ma	Ma		0 r	r
	Masonr orks M for th int rior alls of th 00k trl Bldg & to cc to s cs	ot Start d	0	Ma	Ma		0 r	r
Architectural Works				Ma	0 l	6	r	6 Ma
Interior Finishes				Ma	0 l	6	r	6 Ma
Communication Room				Ma	n		r	0 Ma
Cement Plaster Works				Ma	n		r	0 Ma
	nt Mortar S att ring orks	ot Start d		Ma	0 n		r	r
	nt last ring orks	ot Start d		0 n	n		r	0 Ma
Raised Access Floor System			6	n	n		0 Ma	0 Ma
	l ing st roof oating S st	ot Start d	6	n	n		0 Ma	0 Ma
AC/DC Room				Ma	n		r	0 Ma
Cement Plaster Works				Ma	n		r	0 Ma
	nt Mortar S att ring orks	ot Start d		Ma	0 n		r	r
	nt last ring orks	ot Start d		0 n	n		r	0 Ma
Raised Access Floor System			6	n	n		0 Ma	0 Ma
	l ing st roof oating S st	ot Start d	6	n	n		0 Ma	0 Ma
Auxiliray Transformer Rooms (1) & (2)				Ma	0 l	6	r	6 Ma
Cement Plaster Works				Ma	n	6	r	0 Ma
	nt Mortar S att ring orks	ot Start d	6	Ma	06 n	6	r	r
	nt last ring orks	ot Start d		06 n	n	6	r	0 Ma
Flooring System				n	0 l	6	0 Ma	6 Ma
	l ing nti cid coating S st n ro l Finish d	ot Start d		n	0 l	6	0 Ma	6 Ma
Installation Works			0	Ma	0 S		an	0 l
220kV GIS EQUIPMENT INSTALLATION (9 Bay)			60	Ma	l		r	n
Milestones			0	Ma	Ma		r	r
	0 Start installation orks of 0k S i nt	ot Start d	0	Ma			r	
Assembly & Installation Works				0 n	l		0 Ma	n
	S Bo n & Shift B a & S	ot Start d	0	0 n	n		0 Ma	Ma



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Critical Path

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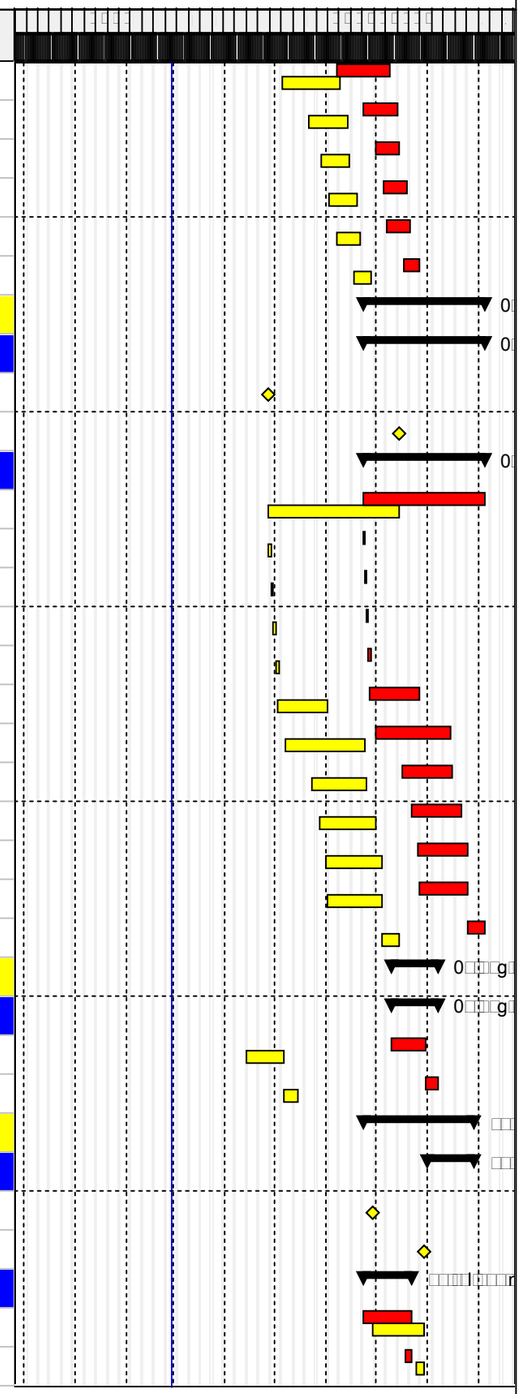
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Project Start	Baseline Project Finish
	S Bass & S Support	Not Started		0	0	0	06 Ma	0
	Bonding & Support	Not Started	0				Ma	
	Accessories Installation as Earthing Shunt Bar	Not Started		0			Ma	
	Gal Gra Bonding & Support	Not Started		06	0	6	0	0
	Platform Bonding & Support	Not Started		0			0	
	Gas Leak Test & Point	Not Started	0					
500kV GIS EQUIPMENT INSTALLATION (4 Bay)					0 S			
Milestones					0 S			
0 Start Installation Works of 500kV GIS Equipment		Not Started	0			0		
0 Completion of the Installation Works of 500kV GIS Equipment		Not Started	0		0 S			
Assembly & Installation Works					0 S			
Support Fixing of 500kV GIS Equipment & GIB Support		Not Started			0 S	0		
Backing Plate Bonding Check		Not Started						
Cleaning Platform Cleaning		Not Started					0	
S Supports Check & Alignment		Not Started			6		0	0 Ma
Materials Bonding Check Tool List		Not Started		6			0 Ma	0 Ma
S Bonding & Shift GIB Gas & S		Not Started	0				0 Ma	0
S Bass & S Support		Not Started		0			0 Ma	
Accessories Installation as Earthing Shunt Bar		Not Started	0		6		Ma	
Gal Gra Bonding & Support		Not Started	0	6			0	0
Platform Bonding & Support		Not Started					0	0
Gas Leak Test & Point		Not Started	0		0 S		0	
Install/Connect 220kV GIB from 220kV GIS to Tie Transformer					0			Ma
Installation					0			Ma
Installation of GIB & Support from 220kV GIS to Transformer		Not Started	0					0 Ma
Gas & Gas Filling		Not Started			0		0 Ma	Ma
Install/Connect 500kV GIB from 500kV GIS to Tie Transformer			6					0
Milestones				0				0
Start Milestone		Not Started	0	0				
Finish Milestone		Not Started	0					0
Installation						0		0
Installation of GIB & Support from 220kV GIS to Transformer		Not Started				0		0
Gas & Gas Filling of GIB from 220kV GIS to Transformer		Not Started				0	6	0



Primary Baseline | Critical Activity | Remaining Work | Critical Remaining Work | Baseline Milestone | Summer Bar

Page 0 of 0

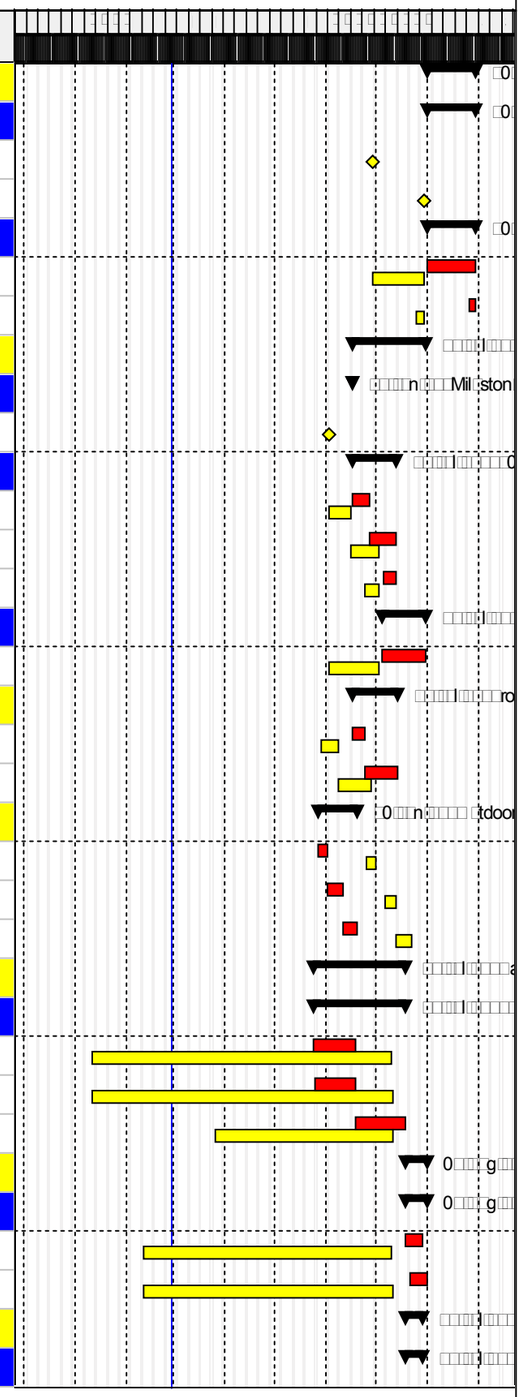
Critical Path

Date	Revision	Checked	Approved
F	S		
Mar	S		B
0	S		
	S		
c	S		

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
	Install/Connect 500kV GIB from 500kV GIS to Generator Step Up Transformer			0	0			0
	Milestones			0	0			0
	Start Milestone	Not Started	0	0		0		
	Finish Milestone	Not Started	0		0			0
	Installation			0	0			0
	Installation of 500kV GIB from 500kV GIS to Generator Step Up Transformer	Not Started		0	0	0		0
	Gas Filling from 500kV GIS to Generator Step Up Transformer	Not Started		6	0		6	0
	AC and DC Service Station					6	0	0
	Milestones		0				0	0
	0 Start Installation of AC and DC Service Station	Not Started	0				0	
	220KV Control Bldg		6				0	0
	Installation of Panel Support of 220KV & 500KV	Not Started	0				0	6
	Installation of 220KV & 500KV	Not Started	6				6	0
	Installation of AC Battery & Battery Charger	Not Started		06			0	0
	500KV Control Bldg		6	0		6	0	0
	Installation of Auxiliary Transformer	Not Started	6	0		6	0	0
	Protection/Metering & Communication System for 220kV Switch Yard						Ma	
	0 Installation of Protection & Metering System 500kV Panel Support	Not Started					Ma	0
	0 Installation of Protection & Metering System 500kV Panel	Not Started					0	
	Outdoor Equipment at 500kV Substations			Ma	0	6		
	Installation of Support for 500kV Insulators and Equipment Installation	Not Started	6	Ma	0	6		0
	Installation of 500kV Insulators &	Not Started		0			0	
	Handling and Storage of Material	Not Started			0			
	Cable and Raceway			Ma			an	
	220kV GIS & Control Buildings			Ma			an	
	Backfill of 0 GIS Building	Not Started		Ma			an	
	Backfill of 0 Control Building	Not Started		Ma			an	
	Handling & Termination of 0 Building	Not Started	0				6 Mar	
	Marshalling Cabinets				0		F	
	220kV GIS & Control Buildings				0		F	
	Installation of Panel Support of 0	Not Started	0				F	
	Installation of Marshalling Cabinet of 0	Not Started	0		0		F	
	Interface Unit Panel		0				F	
	220kV GIS & Control Buildings		0				F	


0
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Milestone
0
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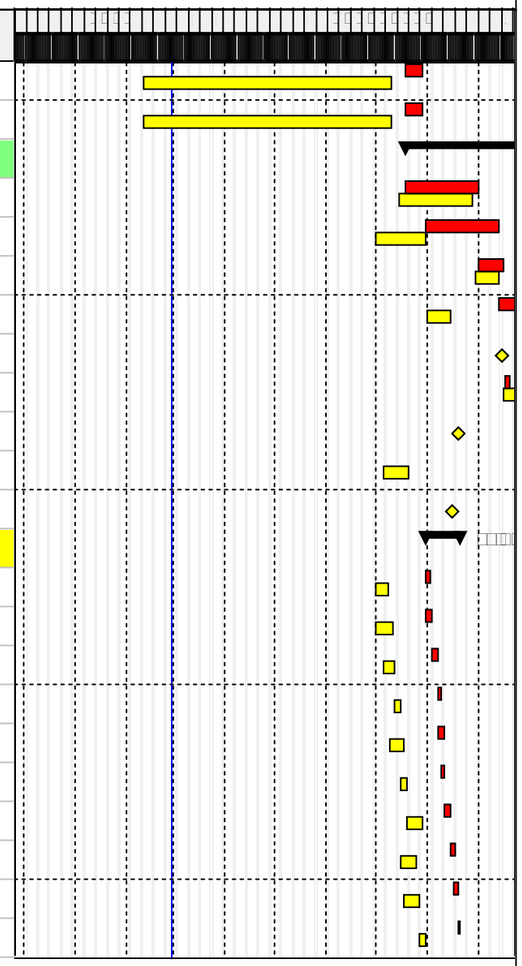
CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD

POSCO DAEWOO | HYUNDAI ELECTRIC | KIC

Activity ID	Activity Name	Activity Status	Original Duration	Start	Finish	Total Float	Baseline Start	Baseline Finish
[illegible]	Installation of Bank Support of [illegible]	Not Started	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Installation of Interface Unit Bank of [illegible]	Not Started	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Start-up, Testing & Commissioning			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	00kV Switchyard Testing	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0kV Switchyard Testing	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	00kV Bend to Bend Testing	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0kV Bend to Bend Testing	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	00kV Switchyard Energization	Not Started	0		[illegible]	[illegible]		[illegible]
[illegible]	Connection to [illegible] Generation Station [illegible]	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	00[illegible]0kV [illegible] Energization	Not Started	0		[illegible]	[illegible]		[illegible]
[illegible]	Connection to Station Service Transformer	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	0kV Switchyard Energization	Not Started	0		[illegible]	[illegible]		[illegible]
220 kV Gas Insulated Switchyard Testing			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Pin [illegible] Check [illegible] Function Test	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Gas Pressure Test	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Main Contact Resistance Test	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Timing Test	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Gas Leakage Test	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Busbar Test	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Test	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Gas Breakage Test	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Interlock Test	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	SF High Voltage Test Megger Test	Not Started	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Primary Baseline | Actual Work | Remaining Work | Critical Remaining Work | Baseline Milestone | Start Date

Page [illegible] of [illegible]

Critical Path

Date	Revision	Checked	Approved
[illegible]	[illegible]		
[illegible]	[illegible]		
[illegible]	[illegible]		
[illegible]	[illegible]		
[illegible]	[illegible]		

Section 6.3 Material Tracking System Progress Report

Cairo West Supercritical Power Station - Material Tracking System Progress Report (as of March 03, 2019)

Item No.	Description	Ref. No. (or PO NO.)	Vendor/Origin	Procurement										Manufacturing										Testing					Shipping				Delivery to site						Contractual Date (at Site)	Installation Start (for recovery plan)	Remark
				Placing Order					Receiving at Workshop					Start manufacturing					Finish manufacturing																						
				Planned	Forecast	Var. Forecast	Actual	Var. Actual	Planned	Forecast	Var. Forecast	Actual	Var. Actual	Planned	Forecast	Var. Forecast	Actual	Var. Actual	Planned	Forecast	Var. Forecast	Actual	Var. Actual	Planned	Forecast	Var. Forecast	Actual	Var. Actual	Planned	Forecast	Var. Forecast	Actual	Planned	Forecast	Var. Forecast	Actual	Var. Actual	Arrival to Alexandria Storage Area			
	Equipment / Material Furnished by Contractor																																								
2.1.1	500 kV Gas Insulated Switchgear (GIS)	10089 CP-104 1780500P	HE/Korea	15-Nov-2017	15-Nov-2017	0	15-Nov-2017	0	22-Nov-2017	22-Nov-2017	0	22-Nov-2017	0	22-Nov-2017	22-Nov-2017	0	22-Nov-2017	0	19-Oct-2018	25-Sep-2018	24	10-Oct-2018	9	20-Oct-2018	26-Sep-2018	24	18-Oct-2018	2	19-Nov-2018	24-Dec-2018	(35)	24-Dec-2018	19-Jan-2019	24-Feb-2019	(36)			06-Feb-2019(1st) 13-Feb-2019(2nd)	18-Jan-2019	27-Apr-2019	On Port (1st & 2nd Shipping)
2.1.2	220 kV Gas Insulated Switchgear (GIS)	10089 CP-104 1731900P	HE/Korea	15-Nov-2017	15-Nov-2017	0	15-Nov-2017	0	16-Nov-2017	16-Nov-2017	0	16-Nov-2017	0	16-Nov-2017	16-Nov-2017	0	16-Nov-2017	0	14-Aug-2018	1-Oct-2018	(48)	20-Aug-2018	(6)	15-Aug-2018	2-Oct-2018	(48)	23-Aug-2018	(8)	14-Sep-2018	17-Dec-2018	(94)	15-Dec-2018	13-Nov-2018	17-Feb-2019	(96)			26-Jan-2019	19-Nov-2018	23-Apr-2019	On Port
2.1.3	500 kV Gas Insulated Bus (GIB) - 500kV GIS to GSUT	10089 CP-104 1780500P	HE/Korea	15-Nov-2017	15-Nov-2017	0	15-Nov-2017	0	22-Nov-2017	22-Nov-2017	0	22-Nov-2017	0	22-Nov-2017	22-Nov-2017		22-Nov-2017	0	19-Oct-2018	19-Oct-2018	0	10-Oct-2018	9	22-Oct-2018	24-Nov-2018	(33)	18-Oct-2018	4	21-Nov-2018	24-Dec-2018	(33)	24-Dec-2018	19-Jan-2019	24-Feb-2019	(36)			06-Feb-2019(1st) 13-Feb-2019(2nd)	18-Apr-2019	30-Jun-2019	On Port (1st & 2nd Shipping)
2.1.4	500 kV Outdoor Air-Insulated Equipment	KIC-1901-004	ECMEI	30-Mar-2018	25-Jan-2019	(301)	21-Jan-2019		28-Jun-2018	N/A (Ready to delivery at Stock)				29-Jun-2018	N/A (Ready to delivery at Stock)				30-Nov-2018	N/A (Ready to delivery at Stock)				1-Dec-2018	N/A (Ready to delivery at Stock)				31-Dec-2018	N/A (Ready to delivery at Stock)			1-Mar-2019	N/A (Ready to delivery at Stock)				Local Transportation	N/A	26-Jun-2019	PO for Tension Insulator was issued. PO for Hardware & Fittings will be issued later.
2.1.5	500kV Air Surge Arresters	KIC1804-001	Siemens / Germany	30-Mar-2018	25-May-2018	(56)	2-Jun-2018	(64)	28-Jun-2018	1-Jul-2018	(3)	1-Jul-2018	(3)	29-Jun-2018	1-Aug-2018	(33)	1-Aug-2018	(33)	30-Aug-2018	30-Sep-2018	(31)	4-Oct-2018	(35)	31-Aug-2018	28-Feb-2019	(181)			30-Sep-2018	14-Mar-2019	(165)		29-Nov-2018	11-Apr-2019	(133)			4-Apr-2019	18-Jan-2019	26-Jun-2019	
2.1.6	220kV XLPE/SF6 Sealing End Terminations	KIC1808-001	Brugg	16-Apr-2018	2-Jun-2018	(47)	3-Sep-2018	(140)	4-Sep-2018	1-Mar-2019	(178)			5-Sep-2018	2-Mar-2019	(178)			21-Jul-2018	18-May-2019	(301)			22-Jul-2018	22-May-2019	(304)			21-Aug-2018	5-Jun-2019	(288)		20-Oct-2018	27-Jun-2019	(250)			20-Jun-2019	4-Dec-2018	1-Jul-2019	
2.1.7	500 kV Gas Insulated Bus (GIB) - 500kV GIS to Tie-Transformer	10089 CP-104 1780500P	HE/Korea	15-Nov-2017	15-Nov-2017	0	15-Nov-2017	0	15-Nov-2018	15-Nov-2018	0	15-Nov-2018	0	15-Nov-2018	15-Nov-2018	0	15-Nov-2018	0	19-Oct-2018	25-Sep-2018	24	10-Oct-2018	9	20-Oct-2018	24-Nov-2018	(35)	18-Oct-2018	2	19-Nov-2018	24-Dec-2018	(35)	24-Dec-2018	19-Jan-2019	24-Feb-2019	(36)			05-Feb-2019(1st) 12-Feb-2019(2nd)	18-Apr-2019	30-Jun-2019	On Port (1st & 2nd Shipping)
2.1.8	500/220kV Tie-Transformer	201717087KF007	HE/Korea	10-Nov-2017	10-Nov-2017	0	10-Nov-2017	0	21-Nov-2017	21-Nov-2017	0	21-Nov-2017	0	21-Nov-2017	21-Nov-2017	0	21-Nov-2017	0	5-Oct-2018	16-Sep-2018	19	10-Sep-2018	25	6-Oct-2018	26-Dec-2018	(81)	17-Sep-2018	19	5-Nov-2018	25-Jan-2019	(81)	25-Jan-2019	4-Jan-2019	31-Mar-2019	(86)			9-Mar-2019	4-Jan-2019	22-Apr-2019	
2.1.9	220 kV Gas Insulated Bus (GIB) - 220kV GIS to Tie-Transformer	10089 CP-104 1731900P	HE/Korea	10-Nov-2017	10-Nov-2017	0	10-Nov-2017	0	10-Nov-2017	10-Nov-2017	0	10-Nov-2017	0	10-Nov-2017	10-Nov-2017	0	10-Nov-2017	0	14-Aug-2018	16-Nov-2018	(94)	20-Oct-2018	(67)	15-Aug-2018	17-Nov-2018	(94)	23-Aug-2018	(8)	14-Sep-2018	17-Dec-2018	(94)	15-Dec-2018	13-Nov-2018	17-Feb-2019	(96)			26-Jan-2019	18-Jan-2019	15-Apr-2019	On Port
2.1.10	220 kV Power cable	KIC1808-001	Brugg	16-Apr-2018	29-Jun-2018	(74)	3-Sep-2018	(140)	15-Jun-2018	15-Mar-2019	(273)			16-Jun-2018	16-Mar-2019	(273)			27-Jul-2018	1-Jun-2019	(309)			28-Jul-2018	5-Jun-2019	(312)			27-Aug-2018	12-Jun-2019	(289)		26-Oct-2018	27-Jun-2019	(244)			20-Jun-2019	N/A	1-Jul-2019	
2.1.11	Switchyard AC and DC service station system	KIC1803-001	Legrand Co., Ltd./ Korea	9-Mar-2018	9-Mar-2018	0	5-Mar-2018	4	7-Jun-2018	8-Jun-2018	(1)	8-Jun-2018	(1)	8-Jun-2018	21-Aug-2018	(74)	18-Jun-2018	(10)	10-Jul-2018	30-Sep-2018	(82)	9-Oct-2018	(91)	11-Jul-2018	7-Oct-2018	(88)	19-Oct-2018	(100)	10-Aug-2018	11-Mar-2019	(213)		9-Oct-2018	17-Apr-2019	(190)			9-Apr-2019	19-Dec-2018	3-Jun-2019	
2.1.12	Protection and metering systems (500 kV)	KIC1804-004	TOA Industries / Korea	31-May-2018	31-May-2018	0	27-Apr-2018	34	29-Aug-2018	28-Dec-2018	(121)	30-Nov-2018		30-Aug-2018	30-Dec-2018	(122)	1-Dec-2018		1-Nov-2018	27-Feb-2019	(118)			2-Nov-2018	22-Mar-2019	(140)			2-Dec-2018	19-Apr-2019	(138)		31-Jan-2019	26-May-2019	(115)			19-May-2019	4-Apr-2019	18-Jun-2019	
2.1.12.1	500kV Tie-In Line Protection Panel	KIC1804-004	TOA Industries / Korea	31-May-2018	31-May-2018	0	27-Apr-2018	34	29-Aug-2018	28-Dec-2018	(121)			30-Aug-2018	30-Dec-2018	(122)	1-Dec-2018		1-Nov-2018	19-Apr-2019				2-Nov-2018	9-May-2019				2-Dec-2018	30-May-2019			31-Jan-2019	16-Jun-2019				9-Jun-2019	4-Apr-2019	18-Jun-2019	
2.1.12.2	500kV Tie Transformer Protection Panel	KIC1804-004	TOA Industries / Korea	31-May-2018	31-May-2018		27-Apr-2018		29-Aug-2018	28-Dec-2018	(121)			30-Aug-2018	30-Dec-2018	(122)	1-Dec-2018		2-Nov-2018	19-Apr-2019				2-Nov-2018	9-May-2019				2-Dec-2018	30-May-2019			31-Jan-2019	16-Jun-2019				9-Jun-2019	4-Apr-2019	18-Jun-2019	
2.1.13	Protection and metering systems (220 kV)	KIC1804-004	TOA Industries / Korea	16-Apr-2018	30-Apr-2018	(14)	27-Apr-2018	(11)	15-Jul-2018	28-Dec-2018	(166)	30-Nov-2018		16-Jul-2018	30-Dec-2018	(167)	1-Dec-2018		1-Nov-2018	27-Feb-2019	(118)			2-Nov-2018	22-Mar-2019	(140)			2-Dec-2018	19-Apr-2019	(138)		31-Jan-2019	26-May-2019	(115)			19-May-2019	28-Dec-2018	29-May-2019	
2.1.14	Substation Automation System (SAS)	KIC1804-004	TOA Industries / Korea	3-Apr-2018	30-Apr-2018	(27)	27-Apr-2018	(24)	2-Jul-2018	12-Apr-2019	(284)			3-Jul-2018	30-Dec-2018	(180)	1-Dec-2018		1-Nov-2018	19-Apr-2019	(169)			2-Nov-2018	9-May-2019	(188)			2-Dec-2018	30-May-2019	(179)		31-Jan-2019	16-Jun-2019	(136)			9-Jun-2019	19-Dec-2018	30-May-2019	
2.1.15	Communication system for 500 kV switchyard	KIC1803-002	Siemens / Korea	1-Jun-2018	4-Apr-2018	58	5-Apr-2018	57	30-Aug-2018	6-Apr-2018	146	6-Apr-2018	146	31-Aug-2018	28-Feb-2019	(181)			30-Oct-2018	19-Apr-2019	(171)			31-Oct-2018	20-Apr-2019	(171)			30-Nov-2018	4-May-2019	(155)		29-Jan-2019	29-May-2019	(120)			22-May-2019	4-Apr-2019	18-Jun-2019	
2.1.16	Communication system for 220 kV switchyard	KIC1803-002	Siemens / Korea	2-Apr-2018	4-Apr-2018	(2)	5-Apr-2018	(3)	1-Jul-2018	6-Apr-2018	86	6-Apr-2018	86	2-Jul-2018	28-Feb-2019	(241)			28-Sep-2018	19-Apr-2019	(203)			29-Sep-2018	20-Apr-2019	(203)			29-Oct-2018	4-May-2019	(187)		28-Dec-2018	29-May-2019	(152)			22-May-2019	28-Dec-2018	29-May-2019	
2.1.17	Telephone system	KIC1803-002	Siemens / Korea	18-Apr-2018	18-Apr-2018	0	5-Apr-2018	13	17-Jul-2018	6-Apr-2018	102	6-Apr-2018	102	18-Jul-2018	28-Feb-2019	(225)			14-Sep-2018	19-Apr-2019	(217)			15-Sep-2018	20-Apr-2019	(217)			15-Oct-2018	4-May-2019	(201)		14-Dec-2018	29-May-2019	(166)			22-May-2019	19-Dec-2018	30-May-2019	
2.1.18	Grounding system (Local)	KIC1901-003	Trust	4-Apr-2018	20-Jan-2019	(291)	16-Jan-2019	(287)	4-May-2018	20-Jan-2019	(261)	13-Feb-2019		5-May-2018	21-Jan-2019	(261)	13-Feb-2019		20-May-2018	16-Mar-2019	(300)			21-May-2018	23-Mar-2019	(306)			20-Jun-2018	30-Mar-2019	(283)		27-Jun-2018	27-Mar-2019	(273)	Feb-19-2019(1st)		Local Transportation	4-Jul-2018	30-Jan-2019	On-Site (1st)
2.1.19	Lightning protection system (Local)	KIC1901-003	Trust	4-May-2018	20-Jan-2019	(261)	16-Jan-2019		3-Jun-2018	20-Jan-2019	(231)			4-Jun-2018	21-Jan-2019	(231)			1-Aug-2018	16-Mar-2019	(227)			2-Aug-2018	23-Mar-2019	(233)			1-Sep-2018	30-Mar-2019	(210)		31-Oct-2018	27-Mar-2019	(147)	Feb-19-2019(1st)		Local Transportation	19-Dec-2018	11-Feb-2019	On-Site (1st)
2.1.20	Cables and cable raceways (Local)	PO to be issued	To be decided later	16-Jul-2018	11-Mar-2019	(238)			15-Aug-2018	11-Mar-2019	(208)			16-Aug-2018	12-Mar-2019	(208)			6-Oct-2018	6-May-2019	(212)			7-Oct-2018	8-May-2019	(213)			6-Nov-2018	10-May-2019	(185)		13-Nov-2018	15-May-2019	(183)			Local Transportation	13-Nov-2018	12-Jan-2019	Gathering Quotation from Vendors
2.1.21	Switchyards lighting system and power distribution system (Local)	PO to be issued	MEGA	4-Apr-2018	10-Mar-2019	(340)			3-Jul-2018	10-Mar-2019	(250)			4-Jul-2018	11-Mar-2019	(250)			19-Sep-2018	25-Apr-2019	(218)			20-Sep-2018	28-Apr-2019	(220)			20-Oct-2018	3-May-2019	(195)		27-Oct-2018	8-May-2019	(193)			Local Transportation	19-Dec-2018	11-Feb-2019	Local Item-PO to be issued
2.1.22	Marshaling cabinet	KIC1901-001	TOA Industries / Korea	1-May-2018	31-Jan-2019	(275)	31-Jan-2019		30-Jul-2018	N/A (No imported material)				31-Jul-2018	8-Mar-2019				19-Sep-2018	19-Apr-2019				20-Sep-2018	28-Apr-2018				20-Oct-2018	30-May-2019	(222)		19-Dec-2018	10-Jun-2019	(173)			5-Jun-2019	19-Dec-2018	11-Feb-2019	
2.1.23	Interface unit panel	KIC1901-001	TOA Industries / Korea	1-May-2018	31-Jan-2019	(275)	31-Jan-2019		30-Jul-2018	31-Jan-2019	(185)	1-Dec-2018		31-Jul-2018	2-Mar-2019	(214)	1-Dec-2018		19-Sep-2018	27-Feb-2019	(161)			20-Sep-2018	22-Mar-2019	(183)			20-Oct-2018	19-Apr-2019	(181)		19-Dec-2018	3-May-2019	(135)			26-Apr-2019	19-Dec-2018	11-Feb-2019	
2.1.24	500kV CCVT	KIC1804-002	Trench Italia S.r.l. / Italy	31-May-2018	10-May-2018	21	23-Apr-2018	38	29-Aug-2018	1-Jul-2018	59	1-Jul-2018	59	30-Aug-2018	1-Aug-2018	29	1-Aug-2018	29	30-Aug-2018	30-Sep-2018	(31)	4-Oct-2018	(35)	31-Aug-2018	28-Feb-2019	(181)			30-Sep-2018	14-Mar-2019	(165)		29-Nov-2018	11-Apr-2019	(133)			4-Apr-2019	28-Mar-2019	26-Jun-2019	
2.1.25	500 / 220kV Line Traps	KIC1803-004	Trench Italia S.r.l. / Italy	1-May-2018	31-May-2018	(30)	11-Jun-2018	(41)	30-Jul-2018	31-Jul-2018	(1)	31-Jul-2018	(1)	31-Jul-2018	11-Feb-2019	(195)	11-Feb-2019	(195)	28-Sep-2018	22-Mar-2019	(175)			29-Sep-2018	27-Mar-2019	(179)			29-Oct-2018	10-Apr-2019	(163)		28-Dec-2018	25-May-2019	(148)			18-May-2019	28-Dec-2018	26-Jun-2019	
2.1.26	500kV Steel gantries (take-off towers) (local)	KIC1901-002	EEC	30-Apr-2018	31-Dec-2018	(245)	17-Jan-2019		29-Jul-2018	17-Jan-2019	(172)			30-Jul-2018	18-Jan-2019	(172)			30-Sep-2018	18-Apr-2019	(200)			1-Oct-2018	25-Apr-2019	(206)			31-Oct-2018	2-May-2019	(183)		7-Nov-2018	9-May-2019	(183)	Feb-26-2019 (Anchor Bolts Only)		Local Transportation	19-Jan-2019	11-Apr-2019	
2.1.27	Building Crane System	KIC1803-005	KG Crane /Korea	26-Mar-2018	26-Mar-2018	0	16-Mar-2018	10	15-Apr-2018	15-Apr-2018	0	15-Apr-2018		21-Mar-2018	16-Apr-2018	(26)	16-Apr-2018		20-Aug-2018	29-Aug-2018	(9)	5-Nov-2018	(77)	15-May-2018	23-Oct-2018	(161)	6-Nov-2018	(175)	14-Jun-2018	30-Dec-2018	(199)	30-Dec-2018	13-Aug-2018	28-Feb-2019	(199)			5-Feb-2019	19-Oct-2018	24-Mar-2019(220kV) 12-Apr-2019(500kV)	On Port
2.1.28	Fire Fighting/Fire alarm System	PO will be issued by 'MEGA'	MEGA	1-Jun-2018	17-Mar-2019	(289)			3-Jun-2018	17-Mar-2019				5-Jun-2018	19-Mar-2019	(287)			26-Jun-2018	18-Apr-2019	(296)			28-Jun-2018	20-Apr-2019	(296)			8-Jul-2018	30-Apr-2019	(296)		18-Jul-2018	12-May-2019	(298)			Local Transportation		27-Apr-2019	Local Item-PO to be issued after approval of relevant documents
2.1.29	HVAC	PO will be issued by 'MEGA'	MEGA	1-Jun-2018	24-Mar-2019				3-Jun-2018	24-Mar-2019				5-Jun-2018	26-Mar-2019	(294)			26-Jun-2018	25-Apr-2019	(303)			28-Jun-2018	27-Apr-2019	(303)			8-Jul-2018	7-May-2019	(303)		18-Jul-2018	19-May-2019	(305)			Local Transportation		27-Apr-2019	Local Item-PO to be issued after approval of relevant documents

Note :

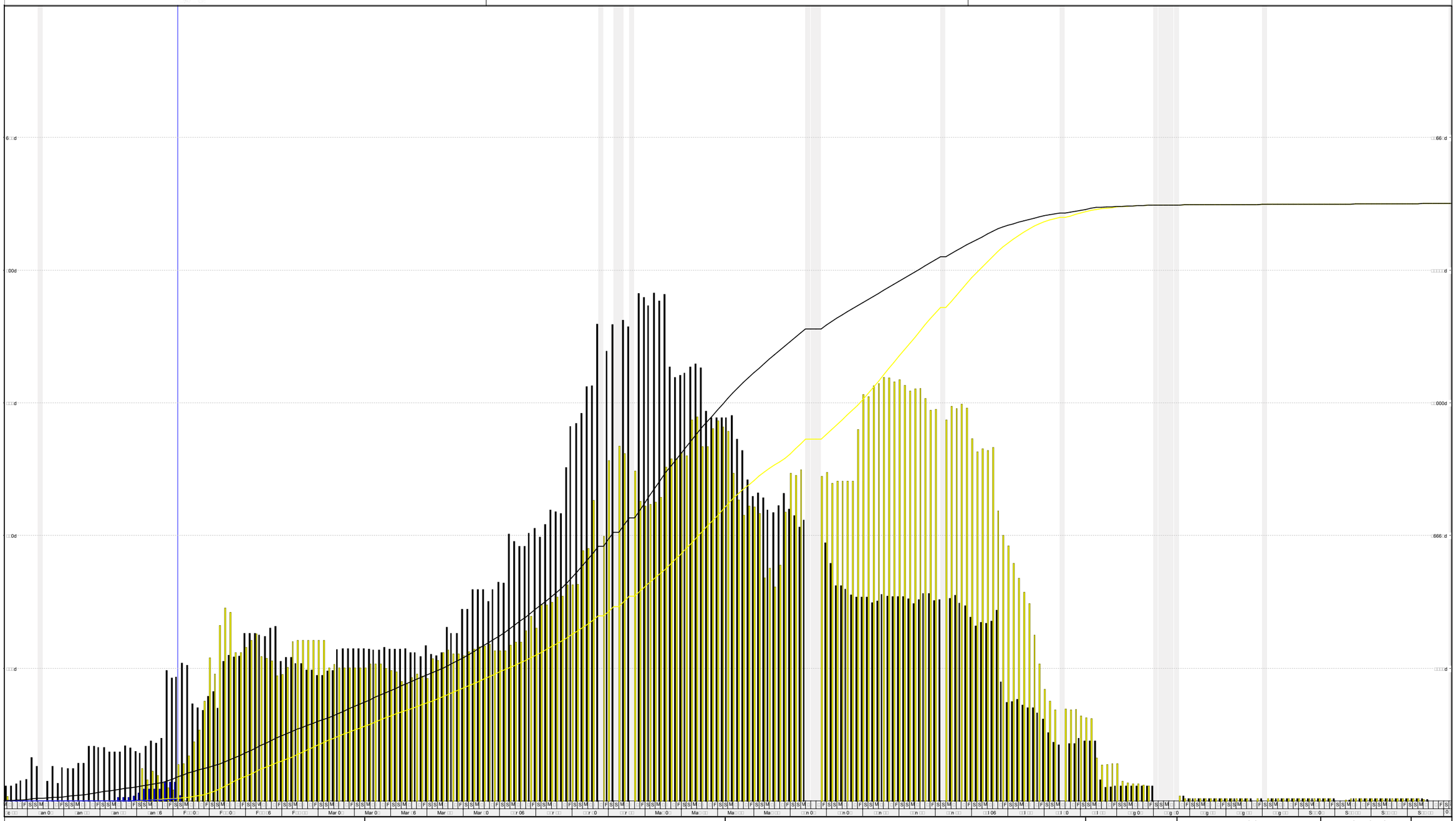
Planned Date : The date set in the initial baseline schedule it should not be changed throughout the project

Forecast Date : the date expected for each activity based on current situation and updates, could be updated to reflect current reality

Actual Date : the date on which the activity ACTUALLY happened

Section 6.4 Progress Curves
Section 6.5 Cash flow Curves

CAIRO WEST SUPERCRITICAL POWER PLANT 1X650 MW
CONTRACT DOCUMENT No. 10089-CP-104: 500KV & 220KV GAS INSULATED SWITCHYARD



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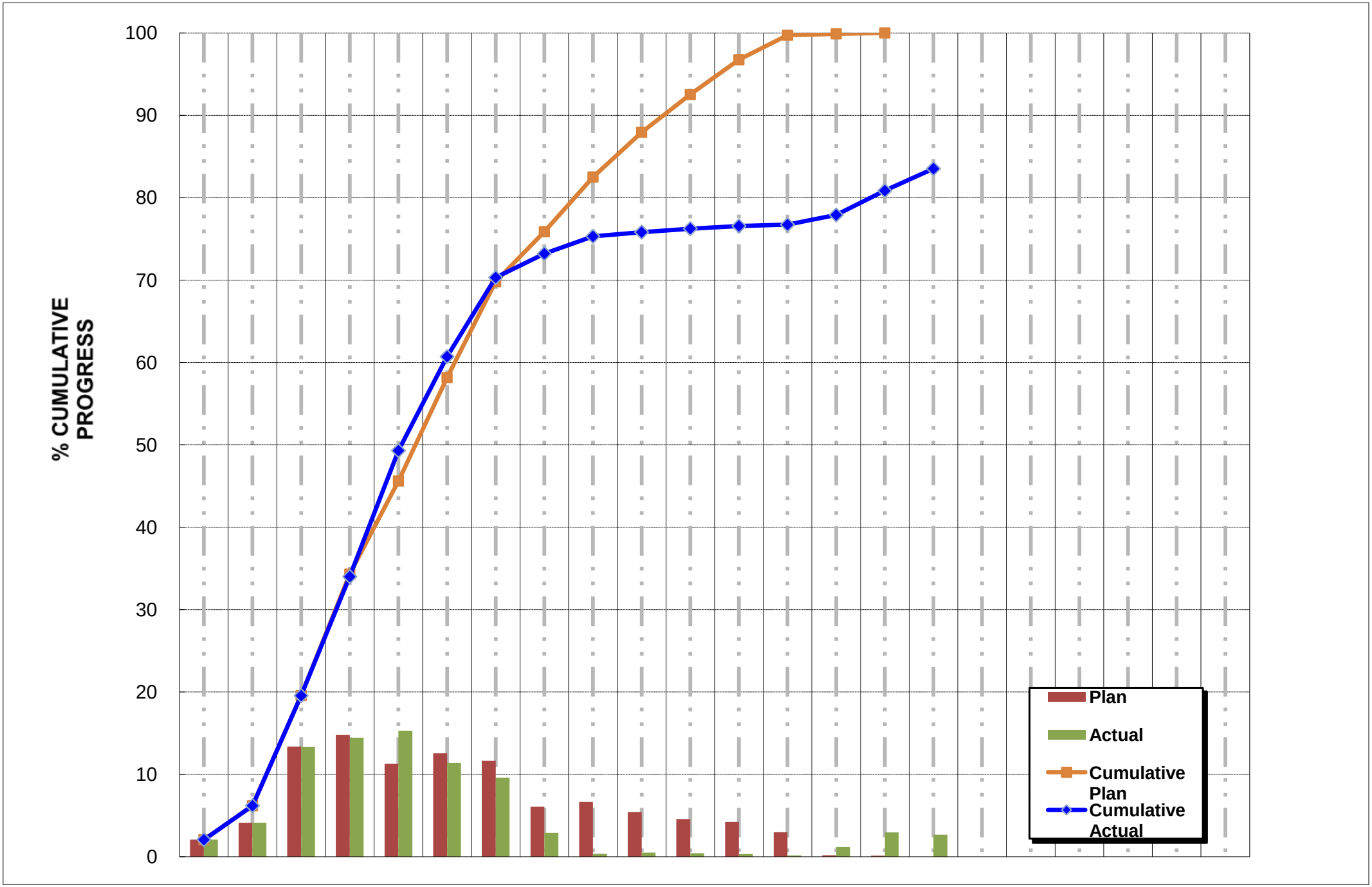
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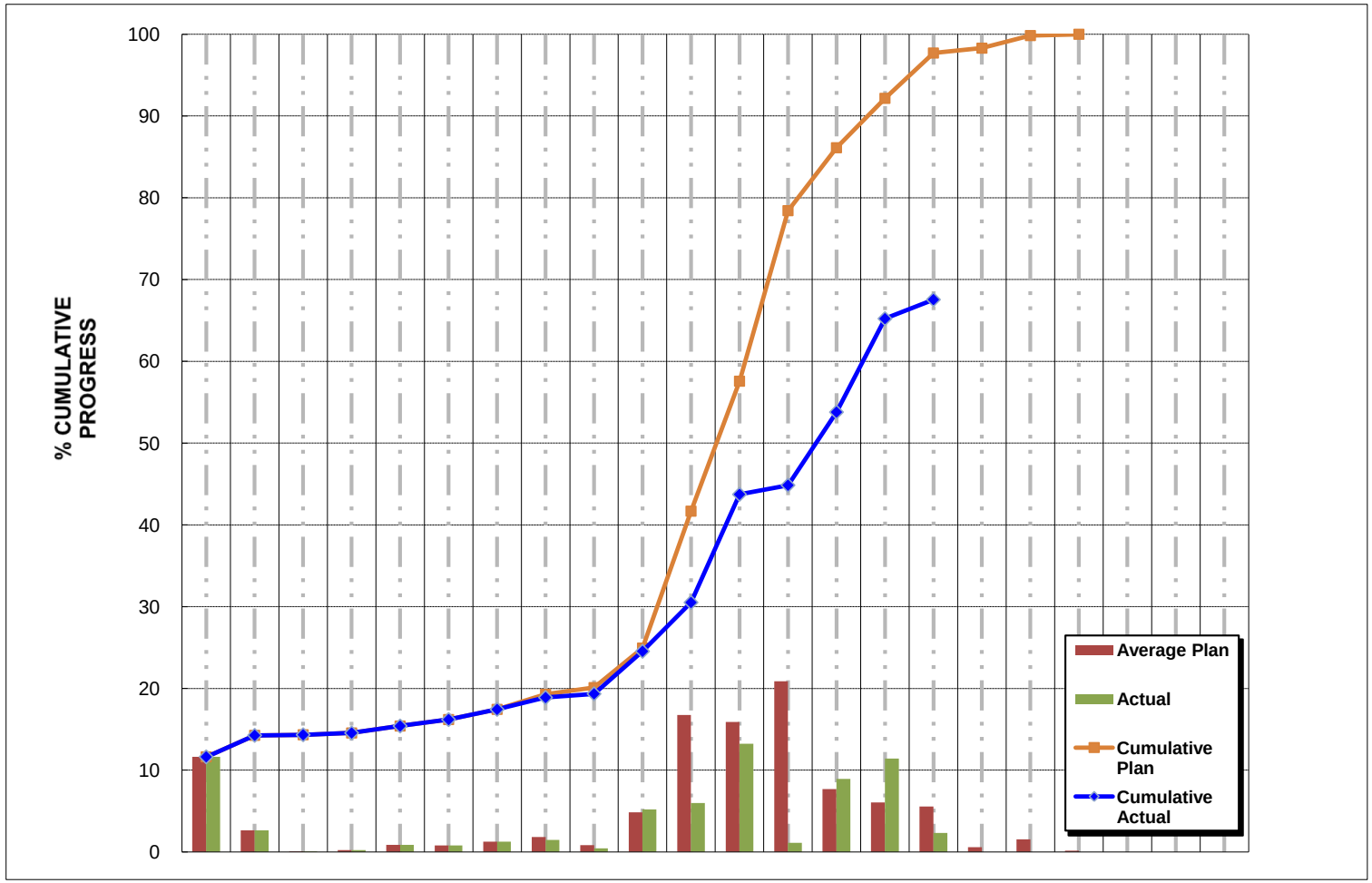
089CP-104: CAIRO WEST SUPERCRITICAL POWER STATION PROJECT 1x650M

PROCUREMENT PROGRESS CURVE



	2017		2018												2019								
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
Average Plan	####	2.63	0.07	0.22	0.85	0.79	1.25	1.84	0.82	4.84	####	####	####	7.70	6.04	5.55	0.59	1.54	0.16				
Cumulative Plan	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	#####				
Actual	####	2.63	0.07	0.22	0.85	0.79	1.25	1.46	0.45	5.20	5.97	####	1.12	8.94	####	2.33							
Cumulative Actual	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####							

Section 7 Tracking of Payment Invoices

Section 7. Tracking of Payment Invoice

Please refer to the table below.

INVOICE REGISTER
USD PORTION
CAIRO WEST SUPERCRITICAL POWER STATION PROJECT

Sheet 1 of 1 | Issue A

Rev. No. : A

CAIRO WEST SUPERCRITICAL POWER STATION PROJECT

As of : 31-Oct-18

NO.		INVOICE NO.	DESCRIPTION	DATE SUBMITTED	PAYMENT DUE DATE	DATE PAYMENT	INVOICE AMOUNT (MONTH)	INVOICE AMOUNT (CUMM.)	A/P REFUNDED	A/P TO BE REFUNDED	**NET PAYABLE (MONTH)**	**NET PAYABLE (CUMM.)**	**NET PAID (CUMM.)**
1	**Paid**	**ISM-CP104-A001**	**Advance Payment for USD Portion**	**10-Jan-18**	**24-Feb-18**	**09-Mar-18**			**$3,430,027**		**$3,430,026.54**	**$3,430,026.54**	**$3,430,026.54**

INVOICE REGISTER
EGP PORTION
CAIRO WEST SUPERCRITICAL POWER STATION PROJECT

Issue A

Rev. No. : A

As of : 31-Jan-19

No.		INVOICE NO.	DESCRIPTION	DATE SUBMITTED	PAYMENT DUE DATE	DATE PAYMENT	INVOICE AMOUNT (MONTH)	INVOICE AMOUNT (CUMM.)	A/P REFUNDED	A/P TO BE REFUNDED	NET PAYABLE (MONTH)	NET PAYABLE (CUM.)	NET PAID (CUM.)
1	**Paid**	**ISM-CP104-B001**	**Advance Payment for EGP Portion**	**10-Jan-18**	**24-Feb-18**	**13-Mar-18**	**EGP 6,702,950.41**	**EGP 6,702,950.41**	**EGP 1,005,442.56**		**EGP 5,697,507.85**		**EGP 5,697,507.85**
2	**Paid**	**001**	**Monthly Progress Invoice No.001**	**24-Sep-18**	**08-Nov-18**	**28-Oct-18**	**EGP 697,475.50**	**EGP 7,400,425.91**	**EGP 104,621.33**		**EGP 592,854.18**		**EGP 6,290,362.02**
3	**under review**	**002**	**Monthly Progress Invoice No.002**	**30-Jan-19**	**16-Mar-19**	**under review**	**EGP 1,461,581.08**	**EGP 8,862,006.99**		**EGP 219,237.16**	**EGP 1,242,343.92**	**EGP 1,242,343.92**	
4	**under review**	**003**	**Plant Shipment Invoice**	**04-Feb-19**	**21-Mar-19**	**under review**	**EGP 731,323.95**	**EGP 9,593,330.94**		**EGP 109,698.59**	**EGP 621,625.36**	**EGP 1,863,969.28**	

Section 8 Attachments

Section 8. Attachments

Correspondence Log From Consortium to PGESCo

No.	Letter No.	Subject	Date	Due Date	Remarks
To PGESCO Home Office					
1	10089-1E-L04-GAM-00196	Information of Absence of Temporary Site Manager due to Periodic Vacation	04-Feb-19		
2	10089-1E-L04-GAM-00197	Conducting MRR at Laydown Yard Area	07-Feb-19		
3	10089-1E-L04-GAM-00198	Response to Listed Drawing	11-Feb-19		
4	10089-1E-L04-GAM-00199	Re :Conducting MRR at Laydown Yard Area	14-Feb-19		
5	10089-1E-L04-GAM-00200	Schedule Impact for Application of High Impedance REF Protection	20-Feb-19		
6	10089-1E-L04-GAM-00201	Request for attending at Protection & Control Panel FAT	20-Feb-19		
7	10089-1E-L04-GAM-00202	Response to Letter 10089-1E-T04-GCP-00064	20-Feb-19		
8	10089-1E-L04-GAM-00203	Monthly Progress Report (013)	21-Feb-19		
To PGESCO Site					
1	10089-1E-L04-GCP-00105	Weekly QAQC Testing and Inspection No. 0034	01-Feb-19		
2	10089-1E-L04-GCP-00106	PAYMENT#003	04-Feb-19		

No.	Letter No.	Subject	Date	Due Date	Remarks
3	10089-1E-L04-GCP-00107	Weekly QAQC Testing and Inspection No. 0035	06-Feb-19		
4	10089-1E-L04-GCP-00108	Night Shift	06-Feb-19		
5	10089-1E-L04-GCP-00109	Re Absence of Temporary Site Manager (Mr. Chung) Due to Periodic Vacation	07-Feb-19		
6	10089-1E-L04-GCP-00110	CP- 104 Organization Chart & Night Shift Staff	10-Feb-19		
7	10089-1E-L04-GCP-00111	Weekly QAQC Testing and Inspection No. 0036	11-Feb-19		
8	10089-1E-L04-GCP-00112	friday work	14-Feb-19		
9	10089-1E-L04-GCP-00113	Release Foundation works in Tie Transformer Area	20-Feb-19		
10	10089-1E-L04-GCP-00114	friday work	20-Feb-19		
11	10089-1E-L04-GCP-00115	Monthly Safety Report No. (10)	28-Feb-19		
From PGESCo Head Office					
1	10089-1E-L04-GAM-00178	Request for additional Information	03-Feb-19		
2	10089-1E-L04-GAM-00179	Approval of the Project Manger	11-Feb-19		

No.	Letter No.	Subject	Date	Due Date	Remarks
3	10089-1E-L04-GAM-00180	Request of Response to Listed DWG	17-Feb-19		
4	10089-1E-L04-GAM-00181	Schedule Impact for Application of High Imedance REF prorection	24-Feb-19		
From PGESCo Site					
1	10089-1E-T04-GCP-00057	Notice of Discoveries of Differing Site Conditions – 11kV Underground Power Line	28-Jan-19		
2	10089-1E-T04-GCP-00058	Notice of Delay - Supply & Installation of 220 KV Power Cable	06-Feb-19		
3	10089-1E-T04-GCP-00059	Absence of Temporary Site Manager (Mr. Chung) Due to Periodic Vacation.	06-Feb-19		
4	10089-1E-T04-GCP-00060	Damage to CP-102 Equipment – Lighting Poles/Fixtures at the Main Gate	07-Feb-19		
5	10089-1E-T04-GCP-00061	CP-104 Night Shift Working	07-Feb-19		
6	10089-1E-T04-GCP-00062	Absence of Temporary Site Manager.	11-Feb-19		
7	10089-1E-T04-GCP-00063	Conducting MRR (Material Receiving Report) at Offsite Laydown Area.	11-Feb-19		
8	10089-1E-T04-GCP-00064	Inspections and Factory Acceptance Tests (FAT)	13-Feb-19		
9	10089-1E-T04-GCP-00065	Water and Electrical Power Consumption	18-Feb-19		
11	10089-1E-T04-GCP-00066	Release of Foundation Work in Tie Transformer Area.	26-Feb-19		
12	10089-1E-T04-GCP-00067	Conducting Material Receiving Report (MRR) at Offsite Laydown Area	27-Feb-19		

Meetings Log

Serial	Date	Place	Participants	Purpose

Design Submittal Log (MDR)

Please refer to the table below.

ARCHITECTURE

No.	Drawing No.	PGESCO Drawing No.	Title	Schedule (CPS)	L/D (Y/N)	ITEM NO. (CPS)	P/R/I (CPS)	Revision No.	Date & Result				Remark
									Date			Result	
									Submit	Response Plan	Response		
1	10089-CP-104-AR-000-0001	10089-1E-V04-E00Z-00007	~~BASEMENT FLOOR PLAN~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			220kV GIS BUILDING BASEMENT FLOOR PLAN					Rev. B	05-02-18	19-02-18	12-03-18	1	
								Rev. C	05-04-18	19-04-18	07-05-18	2	
								Rev. D	24-05-18	07-06-18	11-06-18	2	
								Rev. E	22-06-18	06-07-18	19-09-18	1	
								Rev. F	09-01-19	23-01-19	29-01-19	2	
								Rev. G	31-01-19	14-02-19	27-02-19	2	
2	10089-CP-104-AR-000-0002	10089-1E-V04-E00Z-00008	~~GROUND FLOOR PLAN-1~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			220kV CONTROL BUILDING & 220kV GIS BUILDING GROUND FLOOR PLAN					Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	07-05-18	2	
								Rev. D	24-05-18	07-06-18	12-06-18	1	
								Rev. E	31-01-19	14-02-19	27-02-19		
3	10089-CP-104-AR-000-0003	10089-1E-V04-E00Z-00009	~~GROUND FLOOR PLAN-2~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			500kV CONTROL BUILDING & 500kV GIS BUILDING GROUND FLOOR PLAN					Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	07-05-18	2	
								Rev. D	24-05-18	07-06-18	12-06-18	2	
								Rev. E	22-06-18	06-07-18	19-09-18	1	
								Rev. F	31-01-19	14-02-19	27-02-19	2	
4	10089-CP-104-AR-000-0004	10089-1E-V04-E00Z-00010	~~CRANE RUNWAY PLAN-1~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			220KV GIS BUILDING CRANE RUNWAY PLAN					Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	1	
								Rev. D	31-01-19	14-02-19	27-02-19	2	
5	10089-CP-104-AR-000-0005	10089-1E-V04-E00Z-00011	~~CRANE RUNWAY PLAN-2~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			500KV GIS BUILDING CRANE RUNWAY PLAN					Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	1	
								Rev. D	31-01-19	14-02-19	27-02-19	2	
6	10089-CP-104-AR-000-0006	10089-1E-V04-E00Z-00012	~~ROOF PLAN-1~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			220kV GIS BUILDING ROOF PLAN					Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	1	
								Rev. D	31-01-19	14-02-19	27-02-19	2	
7	10089-CP-104-AR-000-0007	10089-1E-V04-E00Z-00013	~~ROOF PLAN-2~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			500kV GIS BUILDING ROOF PLAN					Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	1	
								Rev. D	31-01-19	14-02-19	27-02-17	2	
8	10089-CP-104-AR-000-0008	10089-1E-V04-E00Z-00014	~~ELEVATIONS-1~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			220kV & 500kV CONTROL BUILDING and GIS BUILDING SOUTH ELEVATION					Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	

No.	Drawing No.	PGESCO Drawing No.	Title	Schedule (CPS)	L/D (Y/N)	ITEM NO. (CPS)	P/R/I (CPS)	Revision No.	Date & Result				Remark
									Date			Result	
									Submit	Response Plan	Response		
								Rev. D	15-05-18	29-05-18	28-05-18	supersede	
								Rev. E	24-05-18	07-06-18	12-06-18	2	
								Rev. F	22-06-18	06-07-18	19-09-18	1	
								Rev. G	31-01-19	14-02-19	27-02-19	2	
9	10089-CP-104-AR-000-0009	10089-1E-V04-E00Z-00015	~~ELEVATIONS -2~~ 220kV & 500kV CONTROL BUILDING and GIS BUILDING NORTH ELEVATION	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	15-05-18	29-05-18	10-06-18	2	
								Rev. E	20-06-18	04-07-18	02-08-18	1	
								Rev. F	31-01-19	14-02-19	27-02-19	2	
10	10089-CP-104-AR-000-0010	10089-1E-V04-E00Z-00016	~~ELEVATIONS -3~~ 220kV & 500kV CONTROL BUILDING and GIS BUILDING EAST & WEST ELEVATION	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	15-05-18	29-05-18	28-05-18	supersede	
								Rev. E	24-05-18	07-06-18	12-06-18	2	
								Rev. F	22-06-18	06-07-18	19-09-18	1	
								Rev. G	31-01-19	14-02-19	27-02-19	2	
11	10089-CP-104-AR-000-0011	10089-1E-V04-E00Z-00017	~~MAIN SECTIONS -1~~ 220kV & 500kV CONTROL BUILDING and GIS BUILDING MAIN SECTIONS-1	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	07-05-18	2	
								Rev. D	15-05-18	29-05-18	10-06-18	1	
								Rev. F	09-01-19	23-01-19	29-01-19	2	
								Rev. G	31-01-19	14-02-19	27-02-19	2	
12	10089-CP-104-AR-000-0012	10089-1E-V04-E00Z-00018	~~MAIN SECTIONS -2~~ 220kV & 500kV CONTROL BUILDING and GIS BUILDING MAIN SECTIONS-2	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	07-05-18	2	
								Rev. D	15-05-18	29-05-18	10-06-18	1	
								Rev. E	31-01-19	14-02-19	27-02-19	2	
13	10089-CP-104-AR-000-0013	10089-1E-V04-E00Z-00019	~~INTERIOR FINISH SCHEDULE~~ 220kV & 500kV CONTROL BUILDING and GIS BUILDING INTERIOR FINISH SCHEDULE	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	15-05-18	29-05-18	10-06-18	1	
14	10089-CP-104-AR-000-0014	10089-1E-V04-E00Z-00020	~~DOOR & WINDOW SCHEDULE~~ 220kV & 500KV CONTROL BUILDING and GIS BUILDING DOOR & WINDOW SCHEDULE	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	15-05-18	29-05-18	28-05-18	supersede	
								Rev. E	24-05-18	07-06-18	12-06-18	2	
								Rev. F	22-06-18	06-07-18	19-09-18	2	
								Rev. G	20-09-18	04-10-18	11-10-18	2	
								Rev. H	19-10-18	02-11-18	05-11-18	1	

No.	Drawing No.	PGESCO Drawing No.	Title	Schedule (CPS)	L/D (Y/N)	ITEM NO. (CPS)	P/R/I (CPS)	Revision No.	Date & Result				Remark
									Date			Result	
									Submit	Response Plan	Response		
								Rev. I	31-01-19	14-02-19	27-02-19	2	
15	10089-CP-104-AR-000-0101	10089-1E-V04-E00Z-00021	~~WALL SECTION DETAILS -1~~ 220kV & 500kV CONTROL BUILDING and GIS BUILDING WALL SECTION DETAILS-1	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	1	
								Rev. D	31-01-19	14-02-19	27-02-19	2	
16	10089-CP-104-AR-000-0102	10089-1E-V04-E00Z-00022	~~WALL SECTION DETAILS -2~~ 220kV & 500kV CONTROL BUILDING and GIS BUILDING WALL SECTION DETAILS-2	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	15-05-18	29-05-18	10-06-18	1	
								Rev. E	31-01-19	14-02-19	27-02-19	2	
17	10089-CP-104-AR-000-0103	10089-1E-V04-E00Z-00023	~~WALL SECTION DETAILS -3~~ 220kV & 500kV CONTROL BUILDING and GIS BUILDING WALL SECTION DETAILS-3	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	07-05-18	2	
								Rev. D	15-05-18	29-05-18	10-06-18	2	
								Rev. E	20-06-18	04-07-18	**22-07-18**	1	Reflection of field comment
								Rev. F	31-01-19	14-02-19	27-02-19	2	
18	10089-CP-104-AR-000-0104	10089-1E-V04-E00Z-00024	~~WALL SECTION DETAILS -4~~ 220kV & 500kV CONTROL BUILDING and GIS BUILDING WALL SECTION DETAILS-4	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	1	
								Rev. D	31-01-19	14-02-19	27-02-19	2	
19	10089-CP-104-AR-000-0105	10089-1E-V04-E00Z-00025	~~WALL SECTION DETAILS -5~~ 220kV & 500kV CONTROL BUILDING and GIS BUILDING WALL SECTION DETAILS-5	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	15-05-18	29-05-18	10-06-18	1	
								Rev. E	31-01-19	14-02-19	27-02-19	2	
20	10089-CP-104-AR-000-0106	10089-1E-V04-E00Z-00026	~~STAIR ENLARGED PLAN & SECTION~~ 220kV GIS BUILDING STAIR ENLARGED PLAN & SECTION	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	15-05-18	29-05-18	10-06-18	1	
								Rev. E	31-01-19	14-02-19	27-02-19	2	
21	10089-CP-104-AR-000-0107	10089-1E-V04-E00Z-00027	~~TOILET PLAN AND ELEVATION~~ 500kV CONTROL BUILDING TOILET ENLARGED PLAN & SECTION	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
								Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	15-05-18	29-05-18	28-05-18	supersede	
								Rev. E	24-05-18	07-06-18	12-06-18	2	
								Rev. F	22-06-18	06-07-18	19-09-18	2	
								Rev. G	20-09-18	04-10-18	11-10-18	2	
								Rev. H	19-10-18	02-11-18	**04-11-18**	1	Reflection of field comment

No.	Drawing No.	PGESCO Drawing No.	Title	Schedule (CPS)	L/D (Y/N)	ITEM NO. (CPS)	P/R/I (CPS)	Revision No.	Date & Result				Remark
									Date			Result	
									Submit	Response Plan	Response		
								Rev. I	31-01-19	14-02-19	27-02-19	2	
22	10089-CP-104-AR-000-0108	10089-1E-V04-E00Z-00097	BASEMENT FLOOR & GROUND FLOOR WALL OPENING PLAN-1	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	
								Rev. B	14-05-18	28-05-18	28-05-18	supersede	
								Rev. C	24-05-18	07-06-18	12-06-18	1	
								Rev. D	31-01-19	14-02-19	27-02-19	2	
								Rev. E	06-03-19	20-03-19			
23	10089-CP-104-AR-000-0109	10089-1E-V04-E00Z-00098	GROUND FLOOR WALL OPENING PLAN-2	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	
								Rev. B	14-05-18	28-05-18	28-05-18	supersede	
								Rev. C	24-05-18	07-06-18	12-06-18	2	
								Rev. D	22-06-18	06-07-18	19-09-18	1	
								Rev. E	31-01-19	14-02-19	27-02-17	2	
								Rev. F	28-02-19	14-03-19			
24	10089-CP-104-AR-000-0110	10089-1E-V04-E00Z-00099	GROUND FLOOR CEILING PLAN	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	
								Rev. B	14-05-18	28-05-18	28-05-18	supersede	
								Rev. C	24-05-18	07-06-18	12-06-18	2	
								Rev. D	22-06-18	06-07-18	19-09-18	1	
								Rev. E	31-01-19	14-02-19	27-02-19	2	
25	10089-CP-104-AR-000-0111	10089-1E-V04-E00Z-00100	~~FURNITURE LAYOUT~~ 500kV CONTROL BUILDING FURNITURE LAYOUT	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	
								Rev. B	19-04-18	03-05-18	13-05-18	2	
								Rev. C	24-05-18	07-06-18	14-06-18	2	
								Rev. D	22-06-18	06-07-18	19-09-18	2	
								Rev. E	02-10-18	16-10-18	24-10-18	1	
								Rev. F	31-01-19	14-02-19	04-03-19	2	
26	10089-CP-104-AR-000-0112	10089-1E-V04-E00Z-00101	LADDER DETAILS-1	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	`
								Rev. B	19-04-18	03-05-18	09-05-18	2	
								Rev. C	15-05-18	29-05-18	24-05-18	1	
27	10089-CP-104-AR-000-0113	10089-1E-V04-E00Z-00102	LADDER DETAILS-2	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	
								Rev. B	19-04-18	03-05-18	09-05-18	2	
								Rev. C	15-05-18	29-05-18	24-05-18	1	
28	10089-CP-104-AR-000-0114	10089-1E-V04-E00Z-00103	LADDER DETAILS-3	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	
								Rev. B	19-04-18	03-05-18	09-05-18	2	
								Rev. C	15-05-18	29-05-18	24-05-18	1	
29	10089-CP-104-AR-000-0115	10089-1E-V04-E00Z-00104	INTERIOR FINISH DETAIL	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	
								Rev. B	19-04-18	03-05-18	14-05-18	1	
30	10089-CP-104-AR-000-0116	10089-1E-V04-E00Z-00105	MISC. DETAILS-1	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	

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									Date			Result	
									Submit	Response Plan	Response		
								Rev. B	19-04-18	03-05-18	14-05-18	1	
31	10089-CP-104-AR-000-0117	10089-1E-V04-E00Z-00106	MISC. DETAILS-2	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	
								Rev. B	19-04-18	03-05-18	14-05-18	2	
								Rev. C	15-05-18	29-05-18	10-06-18	2	
								Rev. D	20-06-18	04-07-18	22-07-18	1	
32	10089-CP-104-AR-STR-0001	10089-1E-V04-E00Z-00028	~~PILE LOCATION PLAN-1~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			220kV CONTROL BUILDING & 220kV GIS BUILDING PILE LOCATION					Rev. B	05-02-18	19-02-18	12-03-18	2	
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**23-09-18**	**07-10-18**	**08-10-18**	2	Reflection of field comment
								Rev. H	**03-10-18**	**17-10-18**	**14-10-18**	2	Reflection of field comment
								Rev. I	09-12-18	23-12-18	12-12-18	1	
								Rev. J	29-01-19	12-02-19	11-02-19	1	
33	10089-CP-104-AR-STR-0002	10089-1E-V04-E00Z-00029	~~PILE LOCATION PLAN-2~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			500kV CONTROL BUILDING & 500kV GIS BUILDING PILE LOCATION					Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	17-08-18	supersede	
								Rev. F					
								Rev. G	**23-09-18**	**07-10-18**	**03-10-18**	2	Reflection of field comment
								Rev. H	03-10-18	17-10-18	15-10-18	2	
								Rev. I	09-12-18	23-12-18	12-12-18	1	
								Rev.J	11-01-19	25-01-19	13-01-19	1	
								Rev. K	29-01-19	12-02-19	11-02-19	1	
								Rev. L	11-02-19	25-02-19		VOID	
								Rev. M	15-02-19	01-03-19	04-03-19	VOID	
								Rev. N	27-02-19	13-03-19			
34	10089-CP-104-AR-STR-0003	10089-1E-V04-E00Z-00030	~~FOUNDATION LOCATION PLAN-1~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			220kV CONTROL BUILDING & 220kV GIS BUILDING FOUNDATION LOCATION PLAN					Rev. B	05-02-18	19-02-18	13-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	17-08-18	supersede	
								Rev. F	**03-10-18**	**17-10-18**	31-10-18	1	Reflection of field comment
								Rev. G	29-01-19	12-02-19	11-02-19	1	
35	10089-CP-104-AR-STR-0004	10089-1E-V04-E00Z-00031	~~FOUNDATION LOCATION PLAN-2~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			500kV CONTROL BUILDING & 500kV GIS BUILDING FOUNDATION LOCATION PLAN					Rev. B	05-02-18	19-02-18	13-03-18	2	

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									Date			Result	
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								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	17-08-18	supersede	
								Rev. F	**03-10-18**	**17-10-18**	31-10-18	1	Reflection of field comment
								Rev. G	11-01-19	25-01-19	13-01-19	1	
								Rev. H	29-01-19	12-02-19	11-02-19	1	
								Rev. I	15-02-19	01-03-19	04-03-19	VOID	
								Rev. J	27-02-19	13-03-19			
36	10089-CP-104-AR-STR-0005	10089-1E-V04-E00Z-00032	~~COLUMN LOCATION PLAN-1~~ 220kV CONTROL BUILDING & 220kV GIS BUILDING COLUMN LOCATION PLAN	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
								Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	31-10-18	1	Reflection of field comment
37	10089-CP-104-AR-STR-0006	10089-1E-V04-E00Z-00033	~~COLUMN LOCATION PLAN-2~~ 500kV CONTROL BUILDING & 500kV GIS BUILDING COLUMN LOCATION PLAN	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
								Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field comment
38	10089-CP-104-AR-STR-0007	10089-1E-V04-E00Z-00034	~~BASEMENT FLOOR FRAMING PLAN~~ 220kV GIS BUILDING BASEMENT FLOOR FRAMING PLAN	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
								Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	2	Reflection of field comment
								Rev. H	09-01-19	23-01-19	29-01-19	2	
								Rev. I	29-01-19	12-02-19	20-02-19	1	
								Rev. J	19-02-19	05-03-19	07-03-19	supersede	
								Rev. K	06-03-19	20-03-19			
39	10089-CP-104-AR-STR-0008	10089-1E-V04-E00Z-00035	~~GROUND FLOOR FRAMING PLAN-1~~ 220kV CONTROL BUILDING & 220kV GIS BUILDING GROUND FLOOR FRAMING PLAN	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
								Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	2	Reflection of field comment
								Rev.H	19-02-19	05-03-19			

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									Date			Result	
									Submit	Response Plan	Response		
40	10089-CP-104-AR-STR-0009	10089-1E-V04-E00Z-00036	~~GROUND FLOOR FRAMING PLAN-2~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			500kV CONTROL BUILDING & 500kV GIS BUILDING GROUND FLOOR FRAMING PLAN					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	11-07-18	25-07-18	**31-07-18**	supersede	Reflection of field comment
								Rev. F	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. G	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. H	**03-10-18**	**17-10-18**	**30-10-18**	2	Reflection of field comment
								Rev.I	19-02-19	05-03-19			
41	10089-CP-104-AR-STR-0010	10089-1E-V04-E00Z-00037	~~T.O.C EL.+4,700 FRAMING PLAN-1~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			220kV CONTROL BUILDING & 220kV GIS BUILDING T.O.C EL.+4.700 FRAMING PLAN					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field comment
42	10089-CP-104-AR-STR-0011	10089-1E-V04-E00Z-00038	~~T.O.C EL.+4,700 FRAMING PLAN-2~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			500kV CONTROL BUILDING & 500kV GIS BUILDING T.O.C EL.+4.700 FRAMING PLAN					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field comment
43	10089-CP-104-AR-STR-0012	10089-1E-V04-E00Z-00039	~~CRANE RUNWAY FRAMING PLAN~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			220kV & 500kV GIS BUILDING CRANE RUNWAY FRAMING PLAN					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field comment
44	10089-CP-104-AR-STR-0013	10089-1E-V04-E00Z-00040	~~ROOF FRAMING PLAN~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			220kV & 500kV GIS BUILDING ROOF FRAMING PLAN					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field comment
45	10089-CP-104-AR-STR-0101	10089-1E-V04-E00Z-00041	~~FRAMING ELEVATIONS-1~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			500kv CONTROL BUILDING & 500kV GIS BUILDING FRAMING ELEVATION Grid A,C,D					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment

No.	Drawing No.	PGESCO Drawing No.	Title	Schedule (CPS)	L/D (Y/N)	ITEM NO. (CPS)	P/R/I (CPS)	Revision No.	Date & Result				Remark
									Date			Result	
									Submit	Response Plan	Response		
								Rev. D	28-05-18	11-06-18	20-06-18	2	
								Rev. E	30-07-18	13-08-18			Reflection of field commen
								Rev. F	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field commen
								Rev.G	11-01-19	25-01-19	13-01-19	1	
								Rev.H	15-02-19	01-03-19			
46	10089-CP-104-AR-STR-0102	10089-1E-V04-E00Z-00042	~~FRAMING ELEVATIONS-2~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field commen
			220kV & 500kV CONTROL BUILDING and GIS BUILDING FRAMING ELEVATION Grid F					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field commen
								Rev. C	05-04-18	19-04-18	**03-05-18**	2	Reflection of field commen
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field commen
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field commen
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field commen
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field commen
								Rev. H	27-02-19	13-03-19			
47	10089-CP-104-AR-STR-0103	10089-1E-V04-E00Z-00043	~~FRAMING ELEVATIONS-3~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field commen
			220kV CONTROL BUILDING & 220kV GIS BUILDING FRAMING ELEVATION Grid B,E,1					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field commen
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field commen
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field commen
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field commen
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field commen
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field commen
								Rev. H	06-03-19	20-03-19			
48	10089-CP-104-AR-STR-0104	10089-1E-V04-E00Z-00044	~~FRAMING ELEVATIONS-4~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field commen
			220kV CONTROL BUILDING & 220kV GIS BUILDING FRAMING ELEVATION Grid 2,3,4~6,7					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field commen
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field commen
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field commen
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field commen
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field commen
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field commen
49	10089-CP-104-AR-STR-0105	10089-1E-V04-E00Z-00045	~~FRAMING ELEVATIONS-5~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field commen
			220kV & 500kV GIS BUILDING FRAMING ELEVATION Grid 8,9,10,11					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field commen
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field commen
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field commen
								Rev. E	11-07-18	25-07-18	**31-07-18**	supersede	Reflection of field commen
								Rev. F	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field commen
								Rev. G	**10-08-18**	**24-08-18**			Reflection of field commen
								Rev. H	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field commen
								Rev. I	15-02-19	01-03-19	04-03-19	VOID	
								Rev. J	27-02-19	13-03-19	07-03-19	supersede	
								Rev. K	06-03-19	20-03-19			
50	10089-CP-104-AR-STR-0106	10089-1E-V04-E00Z-00046	~~FRAMING ELEVATIONS-6~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field commen
			500kV CONTROL BUILDING & 500kV GIS BUILDING FRAMING ELEVATION Grid 12~15,16,17,18					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field commen

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								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field comment
								Rev. H	11-01-19	25-01-19	13-01-19	1	
51	10089-CP-104-AR-STR-0107	10089-1E-V04-E00Z-00047	~~FRAMING ELEVATIONS-7~~ 500kV CONTROL BUILDING FRAMING ELEVATION Grid 19,20	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
								Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field comment
								Rev. H	28-02-18	14-03-18			
52	10089-CP-104-AR-STR-0201	10089-1E-V04-E00Z-00048	~~FOUNDATION REINF. DETAILS-1~~ 220kV & 500KV CONTROL BUILDING and GIS BUILDING FOUNDATION REINF. DETAILS-1	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
								Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field comment
53	10089-CP-104-AR-STR-0202	10089-1E-V04-E00Z-00049	~~FOUNDATION REINF. DETAILS-2~~ 220kV & 500KV CONTROL BUILDING and GIS BUILDING FOUNDATION REINF. DETAILS-2	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
								Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field comment
54	10089-CP-104-AR-STR-0203	10089-1E-V04-E00Z-00050	~~FOUNDATION REINF. DETAILS-3~~ 220kV & 500kV GIS BUILDING FOUNDATION REINF. DETAILS-3	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
								Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	1	Reflection of field comment
54-1	10089-CP-104-AR-STR-0203-1	10089-1E-V04-E00Z-00050-1	220kV & 500kV GIS BUILDING FOUNDATION REINF. DETAILS-4	60	N		R	Rev. A	11-01-19	25-01-19	13-01-19	1	
								Rev. B	15-02-19	01-03-19			

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									Date			Result	
									Submit	Response Plan	Response		
55	10089-CP-104-AR-STR-0204	10089-1E-V04-E00Z-00051	~~FOUNDATION REINF. DETAILS-4~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			~~BASEMENT SLAB REINF. PLAN~~					Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
			220kV GIS BUILDING BASEMENT SLAB REINF. PLAN					Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	2	Reflection of field comment
								Rev. H	09-01-19	23-01-19	27-01-19	supersede	
								Rev. I	23-01-19	23-01-19	11-02-19	supersede	
								Rev. J	29-01-19	12-02-19	20-02-19	1	
56	10089-CP-104-AR-STR-0205	10089-1E-V04-E00Z-00052	~~GROUND SLAB REINF. PLAN-1~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	장과장 현장 코멘트 반영
			220kV CONTROL BUILDING & 220kV GIS BUILDING GROUND SLAB REINF. PLAN					Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	2	Reflection of field comment
57	10089-CP-104-AR-STR-0206	10089-1E-V04-E00Z-00053	~~GROUND SLAB REINF. PLAN-2~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			500kV CONTROL BUILDING & 500kV GIS BUILDING GROUND SLAB REINF. PLAN					Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**30-10-18**	2	Reflection of field comment
58	10089-CP-104-AR-STR-0207	10089-1E-V04-E00Z-00054	~~ROOF SLAB REINF. PLAN-1~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			220kV CONTROL BUILDING & 500kV CONTROL BUILDING ROOF SLAB REINF. PLAN					Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**31-10-18**	1	Reflection of field comment
59	10089-CP-104-AR-STR-0208	10089-1E-V04-E00Z-00055	~~ROOF SLAB REINF. PLAN-2~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			220kV GIS BUILDING & 500kV GIS BUILDING ROOF SLAB REINF. PLAN					Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**31-10-18**	1	Reflection of field comment

No.	Drawing No.	PGESCO Drawing No.	Title	Schedule (CPS)	L/D (Y/N)	ITEM NO. (CPS)	P/R/I (CPS)	Revision No.	Date & Result				Remark
									Date			Result	
									Submit	Response Plan	Response		
60	10089-CP-104-AR-STR-0209	10089-1E-V04-E00Z-00056	~~BEAM & GIRDER LIST~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			220kV & 500kV CONTROL BUILDING and GIS BUILDING BEAM & GIRDER LIST					Rev. B	05-02-18	19-02-18	**12-03-18**	1	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	11-07-18	25-07-18	**31-07-18**	supersede	Reflection of field comment
								Rev. F	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. G	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. H	**03-10-18**	**17-10-18**	**04-11-18**	supersede	Reflection of field comment
								Rev. I	02-11-18	16-11-18	**06-11-18**	1	Reflection of field comment
								Rev. J	25-01-19	08-02-19	11-02-19	1	
60	10089-CP-104-AR-STR-0209-1	10089-1E-V04-E00Z-00056	220kV & 500kV CONTROL BUILDING and GIS BUILDING BEAM & GIRDER DETAILS	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	
	(Drawing issued with number of 10089-CP-104-AR-STR-0209)							Rev. B	05-02-18	19-02-18	**12-03-18**	1	
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	
								Rev. E	11-07-18	25-07-18	**31-07-18**	supersede	
								Rev. F	30-07-18	13-08-18	**13-08-18**	supersede	
								Rev. G	10-08-18	24-08-18			
								Rev. H	03-10-18	17-10-18	04-11-18	supersede	
								Rev. I	02-11-18	16-11-18	06-11-18	1	
								Rev. J	25-01-19	08-02-19	11-02-19	1	
61	10089-CP-104-AR-STR-0210	10089-1E-V04-E00Z-00057	~~COLUMN & WALL & CORBELS LIST~~	60	N		R	Rev. A	26-12-17	09-01-18	**16-01-18**	3	Reflection of field comment
			220kV & 500kV CONTROL BUILDING and GIS BUILDING COLUMN & WALL & CORBELS LIST					Rev. B	05-02-18	19-02-18	**12-03-18**	2	Reflection of field comment
								Rev. C	05-04-18	19-04-18	**06-05-18**	2	Reflection of field comment
								Rev. D	28-05-18	11-06-18	**20-06-18**	2	Reflection of field comment
								Rev. E	30-07-18	13-08-18	**13-08-18**	supersede	Reflection of field comment
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**31-10-18**	1	Reflection of field comment
								Rev. H	18-12-18	01-01-19	20-12-18	2	
								Rev. I	25-01-19	08-02-19	11-02-19	1	
62	10089-CP-104-AR-STR-0211	10089-1E-V04-E00Z-00058	~~STAIR ENLARGED FRAMING PLAN & SECTION~~	60	N		R	Rev. A	26-12-17	09-01-18	18-01-18	3	
			220kV GIS BUILDING STAIR ENLARGED FRAMING PLAN & SECTION					Rev. B	05-02-18	19-02-18	13-03-18	2	
								Rev. C	05-04-18	19-04-18	04-05-18	2	
								Rev. D	28-05-18	11-06-18	21-06-18	2	
								Rev. E	30-07-18	13-08-18	17-08-18	supersede	
								Rev. F	**10-08-18**	**24-08-18**			Reflection of field comment
								Rev. G	**03-10-18**	**17-10-18**	**31-10-18**	2	Reflection of field comment
								Rev. H	04-12-18	18-12-18	**12-12-18**	1	
63	10089-CP-104-AR-STR-0301	10089-1E-V04-E00Z-00107	220kV GIS CABLE TRENCH & EMBEDDED LAYOUT	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	

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									Date			Result	
									Submit	Response Plan	Response		
								Rev. B					
								Rev. C	03-10-18	17-10-18	31-10-18	2	Reflection of field comment
								Rev. D	04-12-18	18-12-18	13-01-19	2	
								Rev. E	08-02-19	22-02-19	20-02-19	supersede	
								Rev. F	19-02-19	05-03-19			
64	10089-CP-104-AR-STR-0302	10089-1E-V04-E00Z-00108	500kV GIS CABLE TRENCH & EMBEDDED LAYOUT	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	
								Rev. B					
								Rev. C	03-10-18	17-10-18	31-10-18	2	Reflection of field comment
								Rev. D	04-12-18	18-12-18	13-01-19	2	
								Rev. E	08-02-19	22-02-19	20-02-19	supersede	
								Rev.f	19-02-19	05-03-19			
65	10089-CP-104-AR-STR-0303	10089-1E-V04-E00Z-00109	CABLE TRENCH SECTION DETAILS-1	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	
								Rev. B					
								Rev. C	03-10-18	17-10-18	31-10-18	2	Reflection of field comment
								Rev. D	04-12-18	18-12-18	13-01-19	2	
								Rev. E	08-02-19	22-02-19			
66	10089-CP-104-AR-STR-0304	10089-1E-V04-E00Z-00110	CABLE TRENCH SECTION DETAILS-2	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	
								Rev. B					
								Rev. C	03-10-18	17-10-18	31-10-18	2	Reflection of field comment
								Rev. D	04-12-18	18-12-18	13-01-19	2	
								Rev. E	08-02-19	22-02-19	20-02-19	supersede	
								Rev. F	19-02-19	05-03-19			
67	10089-CP-104-AR-STR-0305	10089-1E-V04-E00Z-00111	CABLE TRENCH SECTION DETAILS-3	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	
								Rev. B					
								Rev. C	03-10-18	17-10-18	31-10-18	2	Reflection of field comment
								Rev. D	04-12-18	18-12-18	13-01-19	2	
								Rev. E	08-02-19	22-02-19	20-02-19	supersede	
								Rev. F	19-02-19	05-03-19			
68	10089-CP-104-AR-STR-0306	10089-1E-V04-E00Z-00112	220kv GIS CABLE TRENCH COVER LAYOUT	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	
								Rev. B					
								Rev. C	03-10-18	17-10-18	31-10-18	2	Reflection of field comment
								Rev. D	04-12-18	18-12-18	13-01-19	2	
								Rev. E	08-02-19	22-02-19	03-03-19	1	
69	10089-CP-104-AR-STR-0307	10089-1E-V04-E00Z-00113	500kv GIS CABLE TRENCH COVER LAYOUT	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	
								Rev. B					
								Rev. C	03-10-18	17-10-18	31-10-18	2	Reflection of field comment
								Rev. D	04-12-18	18-12-18	13-01-19	2	
								Rev. E	08-02-19	22-02-19	03-03-19	1	
70	10089-CP-104-AR-STR-0308	10089-1E-V04-E00Z-00114	~~AUX. TR ENLARGED PLAN & DETAIL~~	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	

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									Date			Result	
									Submit	Response Plan	Response		
			AUX TRANSFORMER GRATING COVER DETAILS					Rev. B					
								Rev. C	**03-10-18**	**17-10-18**	**31-10-18**	2	Reflection of field comment
								Rev. D	04-12-18	18-12-18	13-01-19	2	
								Rev. E	08-02-19	22-02-19	03-03-19	VOID	
								REV.F	28-02-19	14-03-19	05-03-19	2	
71	10089-CP-104-AR-STR-0401	10089-1E-V04-E00Z-00115	CRANE GIRDER ENLARGED PLAN	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	
								Rev. B					
								Rev. C	**03-10-18**	**17-10-18**	**31-10-18**	2	Reflection of field comment
								Rev. D	04-12-18	18-12-18	13-01-19	1	
72	10089-CP-104-AR-STR-0402	10089-1E-V04-E00Z-00116	CRANE GIRDER DETAILS-1	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	
								Rev. B	**03-10-18**	**17-10-18**	**31-10-18**	2	Reflection of field comment
								Rev.C	04-12-18	18-12-18	13-01-19	1	
73	10089-CP-104-AR-STR-0403	10089-1E-V04-E00Z-00117	CRANE GIRDER DETAILS-2	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	1	
								Rev. B	**03-10-18**	**17-10-18**	**31-10-18**	2	Reflection of field comment
								Rev.C	04-12-18	18-12-18	13-01-19	1	
74	10089-CP-104-AR-STR-0501	10089-1E-V04-E00Z-00118	MISC. FRAMING DETAILS-1	105	N	2.6	R	Rev. A	25-02-18	11-03-18	01-04-18	2	
								Rev. B	14-05-18	28-05-18	24-05-18	1	
								Rev. C	**03-10-18**	**17-10-18**	**31-10-18**	2	Reflection of field comment
								Rev. D	04-12-18	18-12-18	20-12-18	2	
								Rev. E	23-01-19	23-01-19	30-01-19	1	
76	10089-CP-104-AR-CAL-0001	10089-1E-V04-E00Z-00059	~~STRUCTURAL CALCULATION OF BUILDING~~ STRUCTURAL CALCULATION OF 220kV & 500 kV CONTROL BUILDING and GIS BUILDING	60	N	3.7	R	Rev. A	26-12-17	09-01-18	18-01-18	3	**Void**
								Rev. B	05-02-18	19-02-18	13-03-18	2	
								Rev. C	05-04-18	19-04-18	30-04-18	2	
								Rev. D	28-05-18	11-06-18	21-06-18	2	
								Rev. E	01-07-18	15-07-18	16-07-18	3	
								Rev. F	16-07-18	30-07-18	19-07-18	3	
								Rev. G	30-07-18	13-08-18	06-08-18	3	
								Rev. H	09-08-18	23-08-18			
77	10089-CP-104-AR-CAL-0001a	10089-1E-V04-E00Z-00223	STRUCTURAL CALCULATION OF 500 kV GIS BUILDING	60	N	3.7	R	Rev. A	11-09-18	25-09-18	02-10-18	2	
	Mentioned in comments from PGESCo							Rev. A	30-09-18				Refer to Zaghw submission status
								Rev.B	02-11-18	16-11-18	**08-11-18**	**1**	Reflection of field comment
								Rev.C	11-01-19	25-01-19	13-01-19	1	
								Rev.D	15-02-19	01-03-19	04-03-19	VOID	
								Rev.E	27-02-19	13-03-19	07-03-19	2	
78	10089-CP-104-AR-CAL-0001b	10089-1E-V04-E00Z-00225	STRUCTURAL CALCULATION 220 kV GIS BUILDING	60	N	3.7	R	Rev. A	08-10-18	22-10-18	11-10-18	2	Refer to Zaghw submission status
	Mentioned in comments from PGESCo							Rev.B	02-11-18	16-11-18	14-11-18	1	

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									Submit	Response Plan	Response		
								Rev.C	11-02-19	25-02-19	07-03-19	1	
77	10089-CP-104-AR-CAL-0002	10089-1E-V04-E00Z-00244	500 kV GIS S.O.G SETTLEMENT ANALYSIS	60	N	3.7	R	Rev. A	24-12-18	07-01-19	09-01-19	3	
		Mentioned in comments from PGESCo											
77	10089-CP-104-AR-CAL-0003	10089-1E-V04-E00Z-00245	220 kV GIS S.O.G SETTLEMENT ANALYSIS	60	N	3.7	R	Rev. A	24-12-18	07-01-19	09-01-19	3	
		Mentioned in comments from PGESCo											

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									Date			Result	
									Submit	Response Plan	Response Actual		
1	10089-CP-104-CV-000-0001	10089-1E-V04-E00Z-00060	SITE PLAN	60	N		R	Rev. A	26-12-17	09-01-18	08-01-18	Superseded	
								Rev. B	04-01-18	18-01-18	14-01-18	3	
								Rev. C	05-02-18	19-02-18	21-02-18	2	
								Rev. D	05-04-18	19-04-18	08-05-18	2	
								Rev. E	01-06-18	15-06-18	18-06-18	2	
								Rev. F	16-07-18	30-07-18	02-08-18	3	
								Rev. G	14-08-18	28-08-18	11-09-18	3	
								Rev. H	**11-09-18**	**25-09-18**	01-10-18	3	Reflection of field comment
								Rev. I	17-10-18	31-10-18	**31-10-18**	2	Reflection of field comment
								Rev. J	12-12-18	26-12-18	26-02-19	2	
2	10089-CP-104-CV-000-0101	10089-1E-V04-E00Z-00061	PILE LOCATION PLAN	60	N		R	Rev. A	26-12-17	09-01-18	**17-01-18**	3	Reflection of field commen
								Rev. B	05-02-18	19-02-18	13-03-18	2	
								Rev. C	05-04-18	19-04-18	09-05-18	3	
								Rev. D	29-05-18	12-06-18	26-06-18	2	
								Rev. E	05-07-18	19-07-18	-	-	Reflection of field commen
								Rev. F	**10-07-18**	**24-07-18**	**31-07-18**	**supersede**	Reflection of field commen
								Rev. G	**30-07-18**	**13-08-18**	**13-08-18**	**supersede**	Reflection of field commen
								Rev. M	19-02-19	05-03-19	20-02-19	2	
								Rev. N	27-02-19	13-03-19			
3	10089-CP-104-CV-000-0101-1	10089-1E-V04-E00Z-00061-1	TIE -TR PILE LOCATION PLAN					Rev. A					
								Rev. B					
								Rev. C					
								Rev. D					
								Rev. E					
								Rev. F					
								Rev. G					
								Rev.H	**25-09-18**	**09-10-18**	**09-10-18**	supersede	Reflection of field commen
								Rev.I	24-12-18	07-01-19	29-01-19	2	
4	10089-CP-104-CV-000-0101-2	10089-1E-V04-E00Z-00061-2	500 KV AND 220 KV GIS BUILDINGS PILE LOCATION PLAN					Rev. A					
								Rev. B					
								Rev. C					
								Rev. D					
								Rev. E					
								Rev. F					
								Rev. G					
								Rev.H	**25-09-18**	**09-10-18**	**09-10-18**	supersede	Reflection of field commen
								Rev.I	14-10-18	28-10-18	15-10-18	2	
								Rev.J	19-12-18	02-01-19	13-01-19	2	

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									Date			Result	
									Submit	Response Plan	Response Actual		
								Rev.K	11-01-19	25-01-19	29-01-19	2	
								Rev.L	29-01-19	12-02-19	11-02-19	1	
5	10089-CP-104-CV-000-0801	10089-1E-V04-CP00-00016	GANTRY TOWER PILE LOCATION PLAN					Rev. A	14-10-18	28-10-18	**29-10-18**	2	Reflection of field commen
								Rev. B	18-12-18	01-01-19	23-12-18	1	
								Rev. C	03-01-19	17-01-19	29-01-19	2	
6	10089-CP-104-CV-000-0201	10089-1E-V04-E00Z-00062	~~TR FOUNDATION DETAILS-1~~ 500 / 220kV TIE TRANSFORMER FOUNDATION DRAWING	60	N		R	Rev. A	26-12-17	09-01-18	16-01-18	3	
								Rev. B	05-02-18	19-02-18	13-03-18	2	
								Rev. C	05-04-18	19-04-18	09-05-18	3	
								Rev. D	29-05-18	12-06-18	27-06-18	2	
								Rev.E	13-07-18	27-07-18	10-08-18	3	
								Rev.F	**11-09-18**	**25-09-18**	**24-10-18**	**1**	Reflection of field commen
								Rev.G	04-12-18	18-12-18	19-12-18	1	
7	10089-CP-104-CV-000-0202	10089-1E-V04-E00Z-00063	~~TR FOUNDATION DETAILS-2~~ 500 / 220kV TIE TRANSFORMER GRATING LAYOUT & SUPPORT DETAILS	60	N		R	Rev. A	26-12-17	09-01-18	16-01-18	3	
								Rev. B	05-02-18	19-02-18	13-03-18	2	
								Rev. C	05-04-18	19-04-18	09-05-18	3	
								Rev. D	29-05-18	12-06-18	28-06-18	2	
								Rev.E	13-07-18	27-07-18	10-08-18	3	
								Rev.F	**07-09-18**	**21-09-18**	**25-09-18**	**3**	Reflection of field commen
								Rev.G	**27-10-18**	**10-11-18**	**07-11-18**	1	Reflection of field commen
								Rev.H	30-01-19	13-02-19	11-02-19	1	
8	10089-CP-104-CV-000-0203	10089-1E-V04-E00Z-00064	~~TR FOUNDATION DETAILS-3~~ 500 / 220 kV TIE TRANSFORMER REINF. DETAILS	60	N		R	Rev. A	26-12-17	09-01-18	16-01-18	3	
								Rev. B	05-02-18	19-02-18	13-03-18	2	
								Rev. C	05-04-18	19-04-18	09-05-18	3	
								Rev. D	29-05-18	12-06-18	28-06-18	2	
								Rev.E	13-07-18	27-07-18	10-08-18	3	
								Rev.F	**07-09-18**	**21-09-18**	**25-09-18**	3	Reflection of field commen
								Rev.G	**29-10-18**	**12-11-18**	**13-11-18**	1	Reflection of field commen
								Rev.H	30-01-19	13-02-19	11-02-19	1	
								Rev. I	27-02-19	13-03-19			
9	10089-CP-104-CV-000-0204	10089-1E-V04-E00Z-00219	500 / 220 kV TIE TRANSFORMER REINF. DETAILS 2	60	N		R	Rev. A	**07-09-18**	**21-09-18**	**10-09-18**	3	Reflection of field commen
	(Mentioned in comments from PGESCo)							**Rev.B**	**15-11-18**	**29-11-18**	**02-12-18**	**1**	Reflection of field commen
10	10089-CP-104-CV-000-0301	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION LOCATION PLAN	75	N	2.2	R	Rev. A	18-01-18	01-02-18	15-03-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	

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11	10089-CP-104-CV-000-0302	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-1	75	N	2.2	R	Rev. A	18-01-18	01-02-18	15-03-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
12	10089-CP-104-CV-000-0303	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-2	75	N	2.2	R	Rev. A	18-01-18	01-02-18	15-03-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
13	10089-CP-104-CV-000-0304	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-3	75	N	2.2	R	Rev. A	18-01-18	01-02-18	15-03-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
14	10089-CP-104-CV-000-0305	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-4	75	N	2.2	R	Rev. A	18-01-18	01-02-18	15-03-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
15	10089-CP-104-CV-000-0306	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-5	75	N	2.2	R	Rev. A	18-01-18	01-02-18	15-03-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
16	10089-CP-104-CV-000-0307	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-6	75	N	2.2	R	Rev. A	18-01-18	01-02-18	15-03-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
17	10089-CP-104-CV-000-0308	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-7	75	N	2.2	R	Rev. A	18-01-18	01-02-18	15-03-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
18	10089-CP-104-CV-000-0309	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-8	75	N	2.2	R	Rev. A	18-01-18	01-02-18	15-03-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
19	10089-CP-104-CV-000-0310	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-9	75	N	2.2	R	Rev. A	18-01-18	01-02-18	15-03-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
	10089-CP-104-CV-000-0311	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-10	75	N	2.2	R	Rev. A	04-12-18	18-12-18	23-12-18	1	
								Rev. B	03-01-19	17-01-19	11-02-19	1	
	10089-CP-104-CV-000-0312	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS11	75	N	2.2	R	Rev. A	04-12-18	18-12-18	19-12-18	supersede	
								Rev. B	18-12-18	01-01-19	23-12-18	1	
								Rev. C	03-01-19	17-01-19	11-02-19	1	
	10089-CP-104-CV-000-0313	10089-1E-V04-E00Z-00081	OUTDOOR EQUIP. FOUNDATION DETAILS-12	75	N	2.2	R	Rev. A	04-12-18	18-12-18	23-12-18	1	
								Rev. B	03-01-19	17-01-19	11-02-19	1	
20	10089-CP-104-CV-000-0401	10089-1E-V04-E00Z-00082	FENCE LAYOUT & DETAIL	75	N	2.5	R	Rev. A	18-01-18	01-02-18	13-03-18	2	
								Rev. B	05-04-18	19-04-18	06-05-18	1	
21	10089-CP-104-CV-000-0501	10089-1E-V04-E00Z-00083	CABLE TRENCH & DUCT BANK & MANHOLE LAYOUT	105	N	2.6	R	Rev. A	18-01-18	01-02-18	09-02-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	

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								Rev. C	31-05-18	14-06-18	21-06-18	2	
								Rev. D	09-01-19	23-01-19	18-02-19	3	
22	10089-CP-104-CV-000-0502	10089-1E-V04-E00Z-00083	~~CABLE TRENCH & DUCT BANK DETAIL~~ DUCT BANK DETAILS	105	N	2.6	R	Rev. A	18-01-18	01-02-18	09-02-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
								Rev. C	31-05-18	14-06-18	21-06-18	2	
								Rev. D	09-01-19	23-01-19	18-02-19	3	
23	10089-CP-104-CV-000-0503	10089-1E-V04-E00Z-00083	MANHOLE DETILS (1)	105	N	2.6	R	Rev. A	18-01-18	01-02-18	09-02-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
								Rev. C	31-05-18	14-06-18	21-06-18	2	
								Rev. D	09-01-19	23-01-19	18-02-19	3	
24	10089-CP-104-CV-000-0504	10089-1E-V04-E00Z-00083	MANHOLE DETILS (2)	105	N	2.6	R	Rev. A	18-01-18	01-02-18	09-02-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
								Rev. C	31-05-18	14-06-18	21-06-18	2	
								Rev. D	09-01-19	23-01-19	18-02-19	3	
25	10089-CP-104-CV-000-0505	10089-1E-V04-E00Z-00083	MANHOLE DETILS (3)	105	N	2.6	R	Rev. A	18-01-18	01-02-18	09-02-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
								Rev. C	31-05-18	14-06-18	21-06-18	2	
								Rev. D	09-01-19	23-01-19	18-02-19	3	
26	10089-CP-104-CV-000-0506	10089-1E-V04-E00Z-00083	MANHOLE DETILS (4)	105	N	2.6	R	Rev. A	18-01-18	01-02-18	09-02-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
								Rev. C	31-05-18	14-06-18	21-06-18	2	
								Rev. D	09-01-19	23-01-19	18-02-19	3	
27	10089-CP-104-CV-000-0507	10089-1E-V04-E00Z-00083	MANHOLE DETILS (5)	105	N	2.6	R	Rev. A	18-01-18	01-02-18	09-02-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
								Rev. C	31-05-18	14-06-18	21-06-18	2	
								Rev. D	09-01-19	23-01-19	18-02-19	3	
28	10089-CP-104-CV-000-0508	10089-1E-V04-E00Z-00083	MANHOLE DETILS (6)	105	N	2.6	R	Rev. A	18-01-18	01-02-18	09-02-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
								Rev. C	31-05-18	14-06-18	21-06-18	2	
								Rev. D	09-01-19	23-01-19	18-02-19	3	
29	10089-CP-104-CV-000-0509	10089-1E-V04-E00Z-00083	~~MANHOLE DETILS (7)~~ CABLE TRENCH DETAILS	105	N	2.6	R	Rev. A	18-01-18	01-02-18	09-02-18	2	
								Rev. B	05-04-18	19-04-18	08-05-18	3	
								Rev. C	31-05-18	14-06-18	21-06-18	2	
								Rev. D	09-01-19	23-01-19	18-02-19	3	
30	10089-CP-104-CV-000-0601	10089-1E-V04-E00Z-00133	TRANSFORMERS & SWITCHYARD AREA	105	N	2	R	Rev. A	15-03-18	29-03-18	01-04-18	supersede	

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			PAVEMENT PLAN					Rev. B	26-03-18	09-04-18	24-04-18	2	
								Rev. C	29-05-18	12-06-18	25-06-18	2	
								Rev. D	19-07-18	02-08-18	14-08-18	2	
								Rev. E	29-08-18	12-09-18	19-09-18	2	
								Rev. F	20-09-18	04-10-18	15-10-18	2	
								Rev. G	16-10-18	30-10-18	05-11-18	2	
31	10089-CP-104-CV-000-0602	10089-1E-V04-E00Z-00134	TRANSFORMERS & SWITCHYARD AREA	105	N	2	R	Rev. A	15-03-18	29-03-18	18-04-18	2	
			PAVEMENT DETAILS					Rev. B	29-05-18	12-06-18	25-06-18	2	
								Rev. C	19-07-18	02-08-18	14-08-18	1	
32	10089-CP-104-CV-000-0701	10089-1E-V04-E00Z-00135	TRANSFORMERS & SWITCHYARD AREA	105	N	2	R	Rev. A	15-03-18	29-03-18	01-04-18	supersede	
			UNDERGROUND PIPING PLAN					Rev. B	26-03-18	09-04-18	24-04-18	2	
								Rev. C	25-04-18	09-05-18	21-05-18	2	
								Rev. D	01-06-18	15-06-18	19-06-18	2	
								Rev. E	16-07-18	30-07-18	14-08-18	2	
								Rev. F	24-08-18	07-09-18	11-09-18	2	
								Rev. G	14-09-18	28-09-18	08-10-18	3	
								Rev. H	18-10-18	01-11-18	31-10-18	3	
								Rev. I	**06-11-18**	**20-11-18**	26-02-19	2	Reflection of field commen
33	10089-CP-104-CV-000-0702	10089-1E-V04-E00Z-00136	~~TRANSFORMERS & SWITCHYARD AREA SANITARY MANHOLE SCHEDULE&DE~~	105	N	2	R	Rev. A	15-03-18	29-03-18	18-04-18	2	
			OIL SEPARATOR DETAIL FOR OS-PIT					Rev. B	31-05-18	14-06-18	21-06-18	2	
34	10089-CP-104-CV-CAL-0001	10089-1E-V04-E00Z-00065	~~STRUCTURAL CALCULATION OF TR FOUNDATION~~	60	N	3.7	R	Rev. A	26-12-17	09-01-18	16-01-18	3	
			STRUCTURAL CALCULATION OF 220 / 500kV TIE TRANSFORMER FOUNDATION					Rev. B	05-02-18	19-02-18	14-03-18	2	
								Rev. C	05-04-18	19-04-18	06-05-18	3	
								Rev. D	29-05-18	12-06-18	28-06-18	2	
								Rev. E	13-07-18	27-07-18	18-07-18	3	
								Rev. F	26-07-18	09-08-18	**31-07-18**	3	Reflection of field commen
								Rev. G	07-08-18	21-08-18	29-08-18	supersede	
								Rev. H	**04-09-18**	**18-09-18**	**25-09-18**	3	Reflection of field commen
								Rev. I	**25-09-18**	**09-10-18**	**18-10-18**	**supersede**	Reflection of field commen
								Rev. J	**25-09-18**	**09-10-18**	**24-10-18**	**1**	Reflection of field commen
								Rev. K	24-12-18	07-01-19	26-12-18	1	
35	10089-CP-104-CV-CAL-0001a	10089-1E-V04-E004-00220	STRUCTURAL CALCULATION OF 220 / 500kV TIE TRANSFORMER TRs RAILWAY FOUNDATION					Rev. A	**10-09-18**	**24-09-18**	01-10-18	supersede	Reflection of field commen
	(발주처에서 코멘트 받은거에 적여있었음)							Rev. B	**25-09-18**	**09-10-18**	25-10-18	1	Reflection of field commen
								Rev. C	27-02-19	13-03-19			
37	10089-CP-104-CV-CAL-0002	10089-1E-V04-E00Z-00084	STRUCTURAL CALCULATION OF OUTDOOR EQUIP. FOUNDATION	60	N	3.7	R	Rev. A	18-01-18	01-02-18	12-03-18	2	
								Rev. B	09-04-18	23-04-18	08-05-18	3	
38	10089-CP-104-CV-CAL-0003	10089-1E-V04-DB02-00011	STRUCTURAL CALCULATION OF GANTRY TOWER FOUNDATION	60	N	3.7	R	Rev. A	30-05-18	13-06-18	27-06-18	2	

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								Rev. B	11-07-18	25-07-18	17-07-18	3	
								Rev. C	17-07-18	31-07-18	14-08-18	3	
								Rev. D	**09-10-18**	**23-10-18**	15-10-18	1	
								Rev. E	11-12-18	25-12-18	16-12-18	2	
								Rev. F	18-12-18	01-01-19	23-12-18	1	
								Rev. G	03-01-19	17-01-19	29-01-19	2	
	10089-CP-104-CV-CAL-0004		CALCULATION OF DUCTBANK & MANHOLE & CABLE TRENCH	60	N	3.7	R	Rev. A	09-01-19	23-01-19	11-02-19	3	
39	**10089-1E-G26-V04-00039**	10089-1E-V04-CY05-00001	Site Investigation and Single Pile Design Report					Rev. A	17-01-18	31-01-18	07-02-18	2	
								Rev. B	18-06-18	02-07-18	20-06-18	2	

ELECTRICAL

No.	Drawing & Document No.	PGESCO DWG NO.	Title	Schedule (CPS)	L/D (Y/N)	ITEM NO. (CPS)	P/R/I (CPS)	Revision No.	Date & Result				Remark
									Date			Result	
									Submit	Response Plan	Response Actual		
1	E-SLD-001-01	10089-1E-V04-E00Z-0001	500kV SINGLE LINE DIAGRAM	30	N	1.11	R	Rev. A	29-11-17	13-12-17	21-12-17	2	
								Rev. B	31-01-18	14-02-18	18-02-18	2	
								Rev. C	20-04-18	04-05-18	09-05-18	1	
2	E-SLD-001-02	10089-1E-V04-E00Z-0002	220kV SINGLE LINE DIAGRAM	30	N	1.11	R	Rev. A	29-11-17	13-12-17	21-12-17	2	
								Rev. B	31-01-18	14-02-18	18-02-18	1	
3	10089-CP-104-EL-SLD-0002-01	10089-1E-V04-E00Z-00078	PROTECTION & METERING SINGLE LINE DIAGRAM FOR 500kV	60	Y	1.12	P	Rev. A	26-12-17	09-01-18	23-01-18	2	
								Rev. B	23-05-18	06-06-18	14-06-18	2	
								Rev. C	26-06-18	10-07-18	01-08-18	2	
								Rev. C			07-08-18	2	
								Rev. D	08-01-19	22-01-19	11-02-19	2	
4	10089-CP-104-EL-SLD-0002-02	10089-1E-V04-E00Z-00079	PROTECTION & METERING SINGLE LINE DIAGRAM FOR 220kV	60	Y	1.12	P	Rev. A	26-12-17	09-01-18	23-01-18	2	
								Rev. B	23-05-18	06-06-18	18-06-18	2	
								Rev. C	26-06-18	10-07-18	05-08-18	2	
								Rev. D	16-08-18	30-08-18	06-09-18	1	
5	10089-CP-104-EL-SLD-0003-01	10089-1E-V04-E00Z-00121	SINGLE LINE DIAGRAM FOR 500kV & 220kV GIS LV AC	90	N	1.13	P	Rev. A	28-02-18	14-03-18	29-03-18	2	
								Rev. B	30-04-18	14-05-18	21-05-18	2	
								Rev. C	12-06-18	26-06-18	26-07-18	1	
6	10089-CP-104-EL-SLD-0003-02	10089-1E-V04-E00Z-00122	SINGLE LINE DIAGRAM FOR 500kV GIS LV DC & UPS - 1	90	N	1.13	P	Rev. A	28-02-18	14-03-18	12-04-18	2	
								Rev. B	23-05-18	06-06-18	14-06-18	2	
								Rev. C	06-07-18	20-07-18	26-07-18	2	
								Rev. D	07-09-18	21-09-18	04-10-18	1	
7	10089-CP-104-EL-SLD-0003-03	10089-1E-V04-E00Z-00123	SINGLE LINE DIAGRAM FOR 500kV GIS LV DC & UPS - 2	90	N	1.13	P	Rev. A	28-02-18	14-03-18	12-04-18	2	
								Rev. B	23-05-18	06-06-18	14-06-18	2	
								Rev. C	06-07-18	20-07-18	26-07-18	2	
								Rev. D	07-09-18	21-09-18	04-10-18	1	
8	10089-CP-104-EL-SLD-0003-04	10089-1E-V04-E00Z-00124	SINGLE LINE DIAGRAM FOR 500kV GIS LV DC & UPS - 2	90	N	1.13	P	Rev. A	28-02-18	14-03-18	12-04-18	2	
								Rev. B	23-05-18	06-06-18	14-06-18	2	
								Rev. C	06-07-18	20-07-18	26-07-18	2	
								Rev. D	07-09-18	21-09-18	04-10-18	1	
9	10089-CP-104-EL-SLD-0003-05	10089-1E-V04-E00Z-00125	SINGLE LINE DIAGRAM FOR 220kV GIS LV DC & UPS - 1	90	N	1.13	P	Rev. A	28-02-18	14-03-18	12-04-18	2	
								Rev. B	23-05-18	06-06-18	14-06-18	2	
								Rev. C	06-07-18	20-07-18	26-07-18	2	
								Rev. D	07-09-18	21-09-18	04-10-18	1	
10	10089-CP-104-EL-SLD-0003-06	10089-1E-V04-E00Z-00126	SINGLE LINE DIAGRAM FOR 220kV GIS LV DC & UPS - 2	90	N	1.13	P	Rev. A	28-02-18	14-03-18	12-04-18	2	
								Rev. B	23-05-18	06-06-18	14-06-18	2	
								Rev. C	06-07-18	20-07-18	26-07-18	2	
								Rev. D	07-09-18	21-09-18	04-10-18	1	
11	10089-CP-104-EL-SLD-0003-07	10089-1E-V04-E00Z-00127	SINGLE LINE DIAGRAM FOR 220kV GIS LV DC & UPS - 3	90	N	1.13	P	Rev. A	28-02-18	14-03-18	12-04-18	2	
								Rev. B	23-05-18	06-06-18	14-06-18	2	
								Rev. C	06-07-18	20-07-18	26-07-18	2	
								Rev. D	07-09-18	21-09-18	04-10-18	1	
12	10089-CP-104-EL-SLD-0003-08	10089-1E-V04-E00Z-00142	SYMBOL & LEGEND FOR 500kV & 220kV GIS LV AC&DC	90	N	1.13	P	Rev. A	30-04-18	14-05-18	21-05-18	1	
13	10089-CP-104-EL-EQP-0001	10089-1E-V04-E00Z-00066	OVERALL EQUIPMENT LAYOUT	60	Y	1.1	P	Rev. A	26-12-17	09-01-18	14-01-18	2	
								Rev. B	13-02-18	27-02-18	14-03-18	2	
								Rev. C	06-04-18	20-04-18	08-05-18	2	
								Rev. D	26-05-18	09-06-18	18-06-18	2	
								Rev. E	02-07-18	16-07-18	01-08-18	2	
								Rev. F	22-08-18	05-09-18	13-09-18	2	
								Rev. G	21-09-18	05-10-18	08-10-18	2	
								Rev. H	26-10-18	09-11-18	13-11-18	2	
								Rev. I	13-12-18	27-12-18	13-02-19	2	
14	10089-CP-104-EL-EQP-0002-01	10089-1E-V04-E00Z-00067	500kV OUTDOOR EQUIPMENT SECTION	60	N	1.2	R	Rev. A	26-12-17	09-01-18	21-01-18	2	
								Rev. B	25-02-18	11-03-18	21-03-18	2	
								Rev. C	19-04-18	03-05-18	13-05-18	2	
								Rev. D	26-05-18	09-06-18	14-06-18	1	
15	10089-CP-104-EL-EQP-0002-02	10089-1E-V04-E00Z-00068	500/220kV OUTDOOR EQUIPMENT SECTION	60	N	1.2	R	Rev. A	26-12-17	09-01-18	21-01-18	2	
								Rev. B	25-02-18	11-03-18	22-03-18	2	
								Rev. C	19-04-18	03-05-18	09-05-18	2	
								Rev. D	26-05-18	09-06-18	14-06-18	2	
								Rev. E	21-06-18	05-07-18	01-08-18	2	
								Rev. F	22-08-18	05-09-18	16-09-18	2	
								Rev. G	26-10-18	09-11-18	13-11-18	1	
16	10089-CP-104-EL-EQP-0002-03	10089-1E-V04-E00Z-00069	500kV GIS BUILDING EQUIPMENT SECTION	60	N	1.2	R	Rev. A	26-12-17	09-01-18	21-01-18	2	
								Rev. B	25-02-18	11-03-18	22-03-18	3	
								Rev. C	19-04-18	03-05-18	09-05-18	2	
								Rev. D	26-05-18	09-06-18	14-06-18	1	
17	10089-CP-104-EL-EQP-0002-04	10089-1E-V04-E00Z-00070	500/220kV GIS BUILDING SECTION	60	N	1.2	R	Rev. A	26-12-17	09-01-18	21-01-18	2	
								Rev. B	25-02-18	11-03-18	22-03-18	2	
								Rev. C	19-04-18	03-05-18	09-05-18	2	
								Rev. D	26-05-18	09-06-18	14-06-18	1	
18	10089-CP-104-EL-EQP-0003-01	10089-1E-V04-E00Z-00071	500kV GIS & CONTROL BUILDING PANEL ARRANGEMENT	60	N	1.4	R	Rev. A	26-12-17	09-01-18	15-01-18	3	
								Rev. B	13-02-18	27-02-18	26-03-18	2	
								Rev. C	06-04-18	20-04-18	06-05-18	2	
								Rev. D	21-05-18	04-06-18	12-06-18	2	
								Rev. E	02-07-18	16-07-18	05-08-18	2	

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									Date			Result	
									Submit	Response Plan	Response Actual		
								Rev. F	22-08-18	05-09-18	16-09-18	2	
								Rev. G	16-10-18	30-10-18	04-11-18	1	
19	10089-CP-104-EL-EQP-0003-02	10089-1E-V04-E00Z-00072	220kV GIS & CONTROL BUILDING PANEL ARRANGEMENT	60	N	1.4	R	Rev. A	26-12-17	09-01-18	18-01-18	2	
								Rev. B	25-02-18	11-03-18	26-03-18	2	
								Rev. C	06-04-18	20-04-18	06-05-18	2	
								Rev. D	21-05-18	04-06-18	12-06-18	1	
								Rev. D			07-08-18	2	
								Rev. E	22-08-18	05-09-18	16-09-18	2	
								Rev. F	16-10-18	30-10-18	04-11-18	1	
20	10089-CP-104-EL-EQP-0004	10089-1E-V04-E00Z-00158	TRANSFORMER TERTIARY WINDING CONNECTION DETAILS(1_2)					Rev. A	02-07-18	16-07-18	31-07-18	3	
								Rev. B	14-09-18	28-09-18	21-10-18	3	
								Rev. C	30-11-18	14-12-18	12-02-19	3	
21	10089-CP-104-EL-EQP-0005	10089-1E-V04-E00Z-00159	TRANSFORMER TERTIARY WINDING CONNECTION DETAILS(2_2)					Rev. A	02-07-18	16-07-18	31-07-18	3	
								Rev. B	14-09-18	28-09-18	21-10-18	3	
								Rev. C	30-11-18	14-12-18	12-02-19	3	
22	10089-CP-104-EL-EQP-0006	10089-1E-V04-E00Z-00240	TIE TRANSFORMER CONNECTIONS (1/2)					Rev. A	12-12-18	26-12-18	12-02-19	3	
23	10089-CP-104-EL-EQP-0007	10089-1E-V04-E00Z-00241	TIE TRANSFORMER CONNECTIONS (2/2)					Rev. A	12-12-18	26-12-18	12-02-19	3	
24	10089-CP-104-EL-TRN-0001	10089-1E-V04-ERT1-00001	OVERALL TRENCH & TRAY LAYOUT	60	N	1.3	R	Rev. A	26-12-17	09-01-18	14-01-18	2	
								Rev. B	13-02-18	27-02-18	15-03-18	2	
								Rev. C	19-04-18	03-05-18	09-05-18	2	
								Rev. D	26-05-18	09-06-18	18-06-18	2	
								Rev. E	02-07-18	16-07-18	01-08-18	2	
								Rev. F	22-08-18	05-09-18	13-09-18	2	
								Rev. G	28-09-18	12-10-18	22-10-18	2	
								Rev. H	13-12-18	27-12-18	19-02-19	2	
25	10089-CP-104-EL-TRN-0002-01	10089-1E-V04-ERT1-00002	TRENCH & TRAY LAYOUT FOR 500kV GIS & CONTROL BUILDING	60	N	1.7	R	Rev. A	26-12-17	09-01-18	16-01-18	2	
								Rev. B	13-02-18	27-02-18	19-03-18	3	
								Rev. C	19-04-18	03-05-18	09-05-18	2	
								Rev. D	21-05-18	04-06-18	05-06-18	2	
								Rev. E	20-06-18	04-07-18	25-07-18	2	
								Rev. F	06-08-18	20-08-18	28-08-18	2	
								Rev. G	14-09-18	28-09-18	06-10-18	2	
								Rev. H	08-11-18	22-11-18	21-11-18	2	
								Rev. I	23-11-18	07-12-18	11-02-19	1	
								Rev. J	11-03-19	25-03-19			
26	10089-CP-104-EL-TRN-0002-02	10089-1E-V04-ERT1-00003	TRENCH & TRAY LAYOUT FOR 220kV GIS & CONTROL BUILDING	60	N	1.7	R	Rev. A	26-12-17	09-01-18	16-01-18	2	
								Rev. B	13-02-18	27-02-18	19-03-18	3	
								Rev. C	19-04-18	03-05-18	09-05-18	2	
								Rev. D	21-05-18	04-06-18	11-06-18	2	
								Rev. E	20-06-18	04-07-18	26-07-18	2	
								Rev. F	06-08-18	20-08-18	28-08-18	2	
								Rev. G	14-09-18	28-09-18	06-10-18	2	
								Rev. H	08-11-18	22-11-18	21-11-18	2	
								Rev. I	23-11-18	07-12-18	11-02-19	1	
								Rev. J	11-03-19	25-03-19			
27	10089-CP-104-EL-TRN-0003-01	10089-1E-V04-ERT1-00004	TRENCH & TRAY SECTION FOR OVERALL LAYOUT	60	N	1.7	R	Rev. A	26-12-17	09-01-18	15-01-18	2	
								Rev. B	13-02-18	27-02-18	15-03-18	2	
								Rev. C	19-04-18	03-05-18	09-05-18	1	
28	10089-CP-104-EL-TRN-0003-02	10089-1E-V04-ERT1-00005	TRENCH & TRAY SECTION FOR 500kV-1	60	N	1.7	R	Rev. A	26-12-17	09-01-18	16-01-18	2	
								Rev. B	13-02-18	27-02-18	19-03-18	3	
								Rev. C	19-04-18	03-05-18	09-05-18	2	
								Rev. D	26-05-18	09-06-18	05-06-18	2	
								Rev. E	20-06-18	04-07-18	26-07-18	2	
								Rev. F	06-08-18	20-08-18	28-08-18	2	
								Rev. G	14-09-18	28-09-18	06-10-18	2	
								Rev. H	08-11-18	22-11-18	21-11-18	1	
								Rev. I	11-03-19	25-03-19			
29	10089-CP-104-EL-TRN-0003-03	10089-1E-V04-ERT1-00006	TRENCH & TRAY SECTION FOR 500kV-2	60	N	1.7	R	Rev. A	26-12-17	09-01-18	16-01-18	2	
								Rev. B	13-02-18	27-02-18	19-03-18	3	
								Rev. C	19-04-18	03-05-18	09-05-18	2	
								Rev. D	26-05-18	09-06-18	05-06-18	2	
								Rev. E	20-06-18	04-07-18	26-07-18	2	
								Rev. F	06-08-18	20-08-18	28-08-18	2	
								Rev. G	14-09-18	28-09-18	06-10-18	2	
								Rev. H	08-11-18	22-11-18	21-11-18	2	
								Rev. I	23-11-18	07-12-18	11-02-19	1	
30	10089-CP-104-EL-TRN-0003-04	10089-1E-V04-ERT1-00007	TRENCH & TRAY SECTION FOR 220kV-1	60	N	1.7	R	Rev. A	26-12-17	09-01-18	16-01-18	2	
								Rev. B	13-02-18	27-02-18	19-03-18	2	
								Rev. C	19-04-18	03-05-18	09-05-18	2	

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									Date			Result	
									Submit	Response Plan	Response Actual		
								Rev. D	26-05-18	09-06-18	11-06-18	2	
								Rev. E	20-06-18	04-07-18	26-07-18	2	
								Rev. F	06-08-18	20-08-18	28-08-18	2	
								Rev. G	14-09-18	28-09-18	06-10-18	2	
								Rev. H	08-11-18	22-11-18	21-11-18	1	
								Rev. I	11-03-19	25-03-19			
31	10089-CP-104-EL-TRN-0003-05	10089-1E-V04-ERT1-00008	TRENCH & TRAY SECTION FOR 220kV-2	60	N	1.7	R	Rev. A	26-12-17	09-01-18	16-01-18	2	
								Rev. B	13-02-18	27-02-18	19-03-18	2	
								Rev. C	19-04-18	03-05-18	09-05-18	2	
								Rev. D	26-05-18	09-06-18	11-06-18	2	
								Rev. E	20-06-18	04-07-18	26-07-18	2	
								Rev. F	06-08-18	20-08-18	28-08-18	2	
								Rev. G	14-09-18	28-09-18	06-10-18	2	
								Rev. H	08-11-18	22-11-18	21-11-18	1	
								Rev. I	11-03-19	25-03-19			
32	10089-CP-104-EL-TRN-0004-01	10089-1E-V04-ERT1-00009	TYPICAL TRAY INSTALLATION DETAIL-1	60	N	1.7	R	Rev. A	26-12-17	09-01-18	03-01-18	3	
								Rev. B	26-05-18	09-06-18	05-06-18	1	
33	10089-CP-104-EL-TRN-0004-02	10089-1E-V04-ERT1-00009	TYPICAL TRAY INSTALLATION DETAIL-2	60	N	1.7	R	Rev. A	26-05-18	09-06-18	05-06-18	1	
								Rev. B	28-09-18	12-10-18	22-10-18	1	
34	10089-CP-104-EL-LGP-0001-01	10089-1E-V04-E00Z-00073	OVERALL LIGHTNING PROTECTION LAYOUT	60	N	1.8	R	Rev. A	26-12-17	09-01-18	21-01-18	2	
								Rev. B	25-02-18	11-03-18	21-03-18	3	
								Rev. C	30-04-18	14-05-18	22-05-18	2	
								Rev. D	07-06-18	21-06-18	28-08-18	2	
								Rev. E	10-09-18	24-09-18	25-09-18	2	
								Rev. F	04-10-18	18-10-18	29-10-18	2	
								Rev. G	27-11-18	11-12-18	11-02-19	2	
								Rev. H	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.2
35	10089-CP-104-EL-LGP-0001-02	10089-1E-V04-E00Z-00073	LIGHTNING PROTECTION FOR GANTRY TOWER	60	N	1.8	R	Rev. A	30-04-18	14-05-18	22-05-18	2	
								Rev. B	07-06-18	21-06-18	28-08-18	2	
								Rev. C	10-09-18	24-09-18	25-09-18	2	
								Rev. D	04-10-18	18-10-18	29-10-18	2	
								Rev. E	27-11-18	11-12-18	11-02-19	2	
								Rev. F	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.2
36	10089-CP-104-EL-LGP-0001-03	10089-1E-V04-E00Z-00073	LIGHTNING PROTECTION FOR 220kV CONTROL BUILDING	60	N	1.8	R	Rev. A	30-04-18	14-05-18	22-05-18	2	
								Rev. B	07-06-18	21-06-18	28-08-18	2	
								Rev. C	10-09-18	24-09-18	25-09-18	2	
								Rev. D	04-10-18	18-10-18	29-10-18	2	
								Rev. E	27-11-18	11-12-18	11-02-19	2	
								Rev. F	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.2
37	10089-CP-104-EL-LGP-0001-04	10089-1E-V04-E00Z-00073	LIGHTNING PROTECTION FOR 220kV GIS BUILDING	60	N	1.8	R	Rev. A	30-04-18	14-05-18	22-05-18	2	
								Rev. B	07-06-18	21-06-18	28-08-18	2	
								Rev. C	10-09-18	24-09-18	25-09-18	2	
								Rev. D	04-10-18	18-10-18	29-10-18	2	
								Rev. E	27-11-18	11-12-18	11-02-19	2	
								Rev. F	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.2
38	10089-CP-104-EL-LGP-0001-05	10089-1E-V04-E00Z-00073	LIGHTNING PROTECTION FOR 500/220kV TIE TRANSFORMER	60	N	1.8	R	Rev. A	30-04-18	14-05-18	22-05-18	2	
								Rev. B	07-06-18	21-06-18	28-08-18	2	
								Rev. C	10-09-18	24-09-18	25-09-18	2	
								Rev. D	04-10-18	18-10-18	29-10-18	2	
								Rev. E	27-11-18	11-12-18	11-02-19	2	
								Rev. F	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.2
39	10089-CP-104-EL-LGP-0001-06	10089-1E-V04-E00Z-00073	LIGHTNING PROTECTION FOR GIB OF 500/220kV TIE TRANSFORMER	60	N	1.8	R	Rev. A	30-04-18	14-05-18	22-05-18	2	
								Rev. B	07-06-18	21-06-18	28-08-18	2	
								Rev. C	10-09-18	24-09-18	25-09-18	2	
								Rev. D	04-10-18	18-10-18	29-10-18	2	
								Rev. E	27-11-18	11-12-18	11-02-19	2	
								Rev. F	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.2
40	10089-CP-104-EL-LGP-0001-07	10089-1E-V04-E00Z-00073	LIGHTNING PROTECTION FOR 500 GIS BUILDING	60	N	1.8	R	Rev. A	30-04-18	14-05-18	22-05-18	2	
								Rev. B	07-06-18	21-06-18	28-08-18	2	
								Rev. C	10-09-18	24-09-18	25-09-18	2	
								Rev. D	04-10-18	18-10-18	29-10-18	2	
								Rev. E	27-11-18	11-12-18	11-02-19	2	
								Rev. F	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.2
41	10089-CP-104-EL-LGP-0001-08	10089-1E-V04-E00Z-00073	LIGHTNING PROTECTION FOR 500kV CONTROL BUILDING	60	N	1.8	R	Rev. A	30-04-18	14-05-18	22-05-18	2	
								Rev. B	07-06-18	21-06-18	28-08-18	2	
								Rev. C	10-09-18	24-09-18	25-09-18	2	
								Rev. D	04-10-18	18-10-18	29-10-18	2	
								Rev. E	27-11-18	11-12-18	11-02-19	2	
								Rev. F	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.2
42	10089-CP-104-EL-LGP-0002-01	10089-1E-V04-E00Z-00074	LIGHTNING PROTECTION SECTION (1)	60	N	1.8	R	Rev. A	26-12-17	09-01-18	21-01-18	2	
								Rev. B	25-02-18	11-03-18	21-03-18	2	
								Rev. C	30-04-18	14-05-18	22-05-18	2	
								Rev. D	07-06-18	21-06-18	28-08-18	2	
								Rev. E	10-09-18	24-09-18	25-09-18	2	
								Rev. F	04-10-18	18-10-18	29-10-18	2	
								Rev. G	27-11-18	11-12-18	11-02-19	2	
								Rev. H	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.2

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									Date			Result	
									Submit	Response Plan	Response Actual		
43	10089-CP-104-EL-LGP-0002-02	10089-1E-V04-E00Z-00075	LIGHTNING PROTECTION SECTION (2)	60	N	1.8	R	Rev. A	26-12-17	09-01-18	21-01-18	2	
								Rev. B	25-02-18	11-03-18	19-03-18	2	
								Rev. C	30-04-18	14-05-18	22-05-18	2	
								Rev. D	07-06-18	21-06-18	28-08-18	2	
								Rev. E	10-09-18	24-09-18	25-09-18	2	
								Rev. F	04-10-18	18-10-18	29-10-18	2	
								Rev. G	27-11-18	11-12-18	11-02-19	2	
								Rev. H	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.24
44	10089-CP-104-EL-LGP-0003	10089-1E-V04-E00Z-00076	LIGHTNING PROTECTION ROOF PLAN	60	N	1.8	R	Rev. A	26-12-17	09-01-18	21-01-18	2	
								Rev. B	25-02-18	11-03-18	19-03-18	2	
								Rev. C	30-04-18	14-05-18	22-05-18	2	
								Rev. D	07-06-18	21-06-18	28-08-18	2	
								Rev. E	10-09-18	24-09-18	25-09-18	2	
								Rev. F	04-10-18	18-10-18	29-10-18	2	
								Rev. G	27-11-18	11-12-18	11-02-19	2	
								Rev. H	13-02-19	27-02-19	10-03-19	2	Will be submitted by Mar.24
45	10089-CP-104-EL-LGP-0004	10089-1E-V04-E00Z-00077	INSTALLATION DETAIL FOR LIGHTNING	60	N	1.8	R	Rev. A	26-12-17	09-01-18	21-01-18	2	
								Rev. B	25-02-18	11-03-18	21-03-18	2	
								Rev. C	30-04-18	14-05-18	22-05-18	1	
46	10089-CP-104-EL-GRN-0001	10089-1E-V04-E00Z-00088	OVERALL GROUNDING LAYOUT	60	N	1.22	P	Rev. A	14-02-18	28-02-18	14-03-18	2	
								Rev. B	19-04-18	03-05-18	07-05-18	2	
								Rev. C	07-06-18	21-06-18	01-08-18	3	
											03-03-19	3	Will be submitted by Mar.17
47	10089-CP-104-EL-GRN-0002-01	10089-1E-V04-E00Z-00089	GROUNDING LAYOUT FOR 500KV GIS & CONTROL I	60	N	1.22	P	Rev. A	14-02-18	28-02-18	26-03-18	2	
								Rev. B	19-04-18	03-05-18	23-05-18	2	
								Rev. C	07-06-18	21-06-18	29-07-18	2	
								Rev. D	22-08-18	05-09-18	13-09-18	2	
								Rev. E	21-09-18	05-10-18	08-10-18	1	
								Rev. E			21-11-18	2	
								Rev. F	05-12-18	19-12-18	11-02-19	2	
								Rev. G	20-02-19	06-03-19			
48	10089-CP-104-EL-GRN-0002-02	10089-1E-V04-E00Z-00090	GROUNDING LAYOUT FOR 220KV GIS & CONTROL I	60	N	1.22	P	Rev. A	14-02-18	28-02-18	26-03-18	2	
								Rev. B	19-04-18	03-05-18	23-05-18	2	
								Rev. C	07-06-18	21-06-18	29-07-18	2	
								Rev. D	22-08-18	05-09-18	13-09-18	1	

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									Date			Result	
									Submit	Response Plan	Response Actual		
49	10089-CP-104-EL-GRN-0003-01	10089-1E-V04-E00Z-00091	GROUNDING LAYOUT FOR TRAY (500KV GIS & CON	60	N	1.22	P	Rev. A	14-02-18	28-02-18	26-03-18	2	
								Rev. B	19-04-18	03-05-18	23-05-18	2	
								Rev. C	07-06-18	21-06-18	29-07-18	2	
								Rev. D	22-08-18	05-09-18	13-09-18	1	
50	10089-CP-104-EL-GRN-0003-02	10089-1E-V04-E00Z-00092	GROUNDING LAYOUT FOR TRAY (220KV GIS & CON	60	N	1.22	P	Rev. A	14-02-18	28-02-18	26-03-18	2	
								Rev. B	19-04-18	03-05-18	23-05-18	2	
								Rev. C	07-06-18	21-06-18	29-07-18	2	
								Rev. D	22-08-18	05-09-18	13-09-18	1	
51	10089-CP-104-EL-GRN-0004-01	10089-1E-V04-E00Z-00093	INSTALLATION DETAIL FOR GROUNDING-1	60	N	1.22	P	Rev. A	14-02-18	28-02-18	26-03-18	2	
								Rev. B	19-04-18	03-05-18	23-05-18	2	
								Rev. C	07-06-18	21-06-18	29-07-18	2	
								Rev. D	22-08-18	05-09-18	13-09-18	1	
52	10089-CP-104-EL-GRN-0004-02	10089-1E-V04-E00Z-00093	INSTALLATION DETAIL FOR GROUNDING-2	60	N	1.22	P	Rev. A	14-02-18	28-02-18	26-03-18	2	
								Rev. B	19-04-18	03-05-18	23-05-18	2	
								Rev. C	07-06-18	21-06-18	29-07-18	2	
								Rev. D	22-08-18	05-09-18	13-09-18	1	
53	10089-CP-104-EL-GRN-0004-03	10089-1E-V04-E00Z-00093	INSTALLATION DETAIL FOR GROUNDING-3	60	N	1.22	P	Rev. A	14-02-18	28-02-18	26-03-18	2	
								Rev. B	19-04-18	03-05-18	23-05-18	2	
								Rev. C	07-06-18	21-06-18	29-07-18	2	
								Rev. D	22-08-18	05-09-18	13-09-18	1	
54	10089-CP-104-EL-GRN-0004-04	10089-1E-V04-E00Z-00093	INSTALLATION DETAIL FOR GROUNDING-4	60	N	1.22	P	Rev. A	14-02-18	28-02-18	26-03-18	2	
								Rev. B	19-04-18	03-05-18	23-05-18	2	
								Rev. C	07-06-18	21-06-18	29-07-18	2	
								Rev. D	22-08-18	05-09-18	13-09-18	1	
55	10089-CP-104-EL-GRN-0004-05	10089-1E-V04-E00Z-00093	INSTALLATION DETAIL FOR GROUNDING-5	60	N	1.22	P	Rev. A	07-06-18	21-06-18	29-07-18	2	
								Rev. B	22-08-18	05-09-18	13-09-18	1	
56	10089-CP-104-EL-GRN-0005	10089-1E-V04-E00Z-00144	DETAIL FOR TIE TR GROUDING LAYOUT	60	N	1.22	P	Rev. A	11-05-18	25-05-18	29-05-18	3	
								Rev. B	02-07-18	16-07-18	31-07-18	3	
								Rev. C	14-09-18	28-09-18	22-10-18	2	
								Rev. D	30-11-18	14-12-18	18-02-19	2	
57	10089-CP-104-EL-GRN-0006	10089-1E-V04-E00Z-00224	DETAIL FOR TIE TR NEUTRAL GROUDING LAYOUT	60	N	1.22	P	Rev. A	14-09-18	28-09-18	09-10-18	3	
								Rev. B	30-11-18	14-12-18	25-02-19	3	
58	10089-CP-104-EL-CAL-0001	10089-1E-V04-E00Z-00086	ELECTRICAL LOAD LIST	90	Y	3.2	R	Rev. A	31-01-18	14-02-18	18-02-18	2	
								Rev. B	30-04-18	14-05-18	21-05-18	2	
								Rev. C	02-07-18	16-07-18	26-07-18	2	
								Rev. C			29-08-18	2	
								Rev. D	12-09-18	26-09-18	03-10-18	2	
								Rev. E	02-11-18	16-11-18	21-11-18	1	
59	10089-CP-104-EL-CAL-0002	10089-1E-V04-E00Z-00154	AUX. TR SIZING CALCULATION	75	N	3.4	P	Rev. A	05-06-18	19-06-18	26-06-18	2	
								Rev. B	17-07-18	31-07-18	09-08-18	2	
								Rev. C	12-09-18	26-09-18	03-10-18	2	
								Rev. D	02-11-18	16-11-18	21-11-18	1	
	~~10089-CP-104-EL-CAL-0003~~		~~AC MCCB SIZING CALCULATION~~	~~75~~	~~N~~	~~3.4~~	~~P~~						
60	10089-CP-104-EL-CAL-0004	10089-1E-V04-E00Z-00145	LV CABLE SIZING CALCULATION	75	N	3.3,3.4	P	Rev. A	11-05-18	25-05-18	05-06-18	3	
								Rev. B	10-07-18	24-07-18	14-08-18	2	
								Rev. C	18-09-18	02-10-18	09-10-18	3	
								Rev. D	02-11-18	16-11-18	13-01-19	2	
								Rev. D			17-02-19	2	
61	10089-CP-104-EL-CAL-0005	10089-1E-V04-EZS0-00057	BATTERY & CHARGER SIZING CALCULATION	75	N	3.3	P	Rev. A	20-03-18	03-04-18	22-04-18	2	
								Rev. B	02-07-18	16-07-18	26-07-18	2	
								Rev. C	07-11-18	21-11-18	21-11-18	2	
62	10089-CP-104-EL-CAL-0006	10089-1E-V04-E00Z-00087	GROUDNING SYSTEM CALCULATIONS	60	N	3.8	R	Rev. A	31-01-18	14-02-18	14-03-18	3	
								Rev. B	12-04-18	26-04-18	07-05-18	3	
								Rev. C	05-06-18	19-06-18	01-08-18	3	
								Rev. D	19-10-18	02-11-18	08-11-18	3	
								Rev. E	14-02-19	28-02-19	03-03-19	3	Will be submitted by Mar 1
	~~10089-CP-104-EL-CAL-0006~~		~~DC MCCB SIZING CALCULATION~~	~~75~~	~~N~~	~~3.3~~	~~P~~						
	~~10089-CP-104-EL-CAL-0007~~		~~LV DC CABLE SIZING CALCULATION~~	~~75~~	~~N~~	~~3.3~~	~~P~~						
63	10089-CP-104-EL-CAL-0008	10089-1E-V04-E00Z-00131	CT CALCULATION	75	N	3.5	P	Rev. A	14-03-18	28-03-18	05-04-18	2	
								Rev. B	01-06-18	15-06-18	19-06-18	2	
								Rev. C	09-07-18	23-07-18	01-08-18	3	
								Rev. D	31-08-18	14-09-18	25-09-18	1	
64	10089-CP-104-EL-CAL-0010	10089-1E-V04-E00Z00080	LIGHTNING CALCULATION	90	N	3.1	P	Rev. A	05-01-18	19-01-18	21-01-18	2	
								Rev. B	27-02-18	13-03-18	21-03-18	2	
								Rev. C	30-04-18	14-05-18	22-05-18	2	
								Rev. D	07-06-18	21-06-18	28-08-18	2	
								Rev. E	10-09-18	24-09-18	25-09-18	2	
								Rev. F	04-10-18	18-10-18	29-10-18	2	
											12-11-18	2	
								Rev. G	22-11-18	06-12-18	11-02-19	2	
								Rev. H	13-02-19	27-02-19	10-03-19	2	2019-03-24 까지
65	10089-CP-104-EL-CAL-0011	10089-1E-V04-E00Z-00137	VFTO CALCULATIONS	60	N	3.9	R	Rev. A	05-04-18	19-04-18	23-04-18	2	

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									Date			Result	
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								Rev. B	15-05-18	29-05-18	01-08-18	2	
								Rev. C	07-08-18	21-08-18	04-09-18	2	
								Rev. D	10-01-19	24-01-19	11-02-19	2	
66	10089-CP-104-EL-CAL-0012	10089-1E-V04-E00Z-00138	SURGE ARRESTER LOCATION STUDY	60	N	3.10	R	Rev. A	09-04-18	23-04-18	21-05-18	3	
								Rev. B	02-07-18	16-07-18	13-08-18	superseded	
								Rev. C	15-08-18	29-08-18	02-10-18	3	
								Rev. D	13-12-18	27-12-18	18-02-19	3	
								Rev. E	07-03-19	21-03-19			
67	10089-CP-104-EL-CAL-0013	10089-1E-V04-EZS0-00059	VT CALCULATION	75	N	3.5	P	Rev. A	28-05-18	11-06-18	18-06-18	1	
68	10089-CP-104-EL-CAL-0014	10089-1E-V04-E00Z-00161	NEUTRAL & TERTIARY AL.TUBE SIZNG CALCULATION					Rev. A	06-07-18	20-07-18	31-07-18	2	
								Rev. B	14-09-18	28-09-18	21-10-18	3	
								Rev. C	11-12-18	25-12-18	13-02-19	3	