





REV.	DESCRIPTION	DATE	PROJ.	EXEC.	CHECK.	APPR.
1	ISSUED	4/4/18	-	JLE	MES	MES
0	FOR INFORMATION	8/29/16	-	JLE	MES	MES

 Pure Fonte Ltée	PURE FONTE LTÉE PIG IRON PRODUCTION PLANT – FEASIBILITY STUDY CUSTOMER N°: 1821
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  TECHINT	TENOVA TECHINT ENGINEERING & CONSTRUCTION FEASIBILITY STUDY SECTION 17 PROJECT EXECUTION SCHEDULE
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	ESC.: N/A	JOB: CD-335	

SECTION CONTENTS

17. Project Execution Schedule

PIG IRON PRODUCTION PLANT

Project Execution Schedule

Project 635089

Print Date & Time: 07-Jul-2016 / 15:21

Activity ID	Activity Name	Remaining Duration	Total Float	Start	Finish	Budgeted Labor Units	2016												2017												2018												2019											
							Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr								
Main Milestones																																																						
0 - Plant General		701d	0d	17-Jun-2016	28-Mar-2019	0																																																
M-10	Issue FS	0d	0d	17-Jun-2016*		0																																																
M-20	Notice to Proceed	0d	0d	03-Oct-2016*		0																																																
M-30	Detailed Engineering Completed	0d	401d		18-Aug-2017	0																																																
M-40	Start of Concrete Work	0d	359d	20-Sep-2017		0																																																
M-50	Start up of Plant	0d	36d	06-Feb-2019		0																																																
M-60	Hot Testing and Commissioning Complete	0d	0d		28-Mar-2019	0																																																
M-70	Project Completion	0d	0d		28-Mar-2019	0																																																
Engineering																																																						
0 - Plant General		294d	401d	17-Jun-2016	18-Aug-2017	0																																																
ENG0900	Basic Engineering	73d	0d	17-Jun-2016	30-Sep-2016	0																																																
ENG1000	Detailed Engineering - Civil	130d	492d	03-Oct-2016	10-Apr-2017	0																																																
ENG1010	Detailed Engineering - Concrete	150d	472d	03-Oct-2016	09-May-2017	0																																																
ENG1020	Detailed Engineering - Structural Steel	180d	442d	03-Oct-2016	21-Jun-2017	0																																																
ENG1030	Detailed Engineering - Mechanical	200d	0d	03-Oct-2016	19-Jul-2017	0																																																
ENG1040	Detailed Engineering - Piping	181d	401d	29-Nov-2016	18-Aug-2017	0																																																
ENG1050	Detailed Engineering - Electrical	200d	136d	03-Oct-2016	19-Jul-2017	0																																																
ENG1060	Detailed Engineering - Instrumentation	150d	412d	03-Jan-2017	02-Aug-2017	0																																																
Procurement																																																						
Plant Equipment (Tenova)		324d	67d	09-Jan-2017	17-Apr-2018	0																																																
PRC1000	Plant Equipment - Procurement / Contract Formation	64d	0d	09-Jan-2017	06-Apr-2017	0																																																
PRC1010	Plant Equipment - Fabrication & Delivery to site - 1st Delivery	200d	127d	07-Apr-2017	22-Jan-2018	0																																																
PRC1020	Plant Equipment - Fabrication & Delivery to site - 2nd Delivery	260d	0d	07-Apr-2017	17-Apr-2018	0																																																
PRC1030	Steel Fabrication, Supply & Delivery to site	100d	27d	08-Jun-2017	30-Oct-2017	0																																																
Electrical Substation (ABB)																																																						
CON1000	161kV/34kV Substation and SVC - Procurement / Contract Formation	60d	136d	09-Jan-2017	31-Mar-2017	0																																																
CON1100	161kV/34kV Substation and SVC - Fabrication & Delivery to site	200d	136d	03-Apr-2017	16-Jan-2018	0																																																
Construction																																																						
01 - Underground Services		77d	372d	01-May-2017	31-Aug-2017	11883																																																
CON1440	Potable Water	5d	372d	01-May-2017	05-May-2017	31																																																
CON1470	Fire Water	60d	389d	01-May-2017	07-Aug-2017	4165																																																
CON1480	Sanitary & Pluvial	77d	372d	01-May-2017	31-Aug-2017	6582																																																
CON1490	Natural Gas	25d	332d	15-May-2017	19-Jun-2017	1105																																																
02 - Overhead Services		75d	27d	22-Oct-2018	18-Feb-2019	8752																																																
CON1510	AG Electrical	75d	27d	22-Oct-2018	18-Feb-2019	8752																																																
03 - Pipe Rack		157d	149d	22-Jun-2017	28-Feb-2018	29325																																																
CON1520	Pipe Rack	157d	149d	22-Jun-2017	28-Feb-2018	29325																																																
04 - Roads & Parking		83d	27d	27-Aug-2018*	07-Jan-2019	3546																																																
CON1530	Roads & Parking	83d	27d	27-Aug-2018*	07-Jan-2019	3546																																																
05 - Fencing		40d	30d	05-Dec-2018	13-Feb-2019	979																																																
CON1540	Fencing	40d	30d	05-Dec-2018*	13-Feb-2019	979																																																
06 - Grounding		15d	416d	25-May-2017	15-Jun-2017	184																																																
CON1550	Grounding	15d	416d	25-May-2017	15-Jun-2017	184																																																
07 - Site Preparation		18d	28d	01-May-2017	25-May-2017	1447																																																
CON1560	Site Preparation	18d	28d	01-May-2017*	25-May-2017	1447																																																
08 - Telecom - Plant Wide		94d	39d	06-Sep-2018	01-Feb-2019	2000																																																
CON1580	Telecom Plantwide	94d	39d	06-Sep-2018*	01-Feb-2019	2000																																																
1 - Pig Iron Production Plant		390d	24d	01-May-2017	20-Dec-2018	599735																																																
11 - Iron Ore Receiving Area		78d	283d	25-May-2017	27-Sep-2017	5357																																																
CON1030	Civil - Receiving Area	25d	264d	25-May-2017*	29-Jun-2017	999																																																
CON1040	Concrete - Receiving Area	48d	264d	29-Jun-2017	20-Sep-2017	4270																																																
CON1060	Mechanical / Piping Installation - Receiving Area	5d	283d	20-Sep-2017	27-Sep-2017	88																																																
12 - Iron Ore Pellets Storage Area		225d	135d	25-May-2017	08-May-2018	25412																																																
CON1080	Concrete Foundations - Dome	40d	135d	25-May-2017	20-Jul-2017	3299																																																
CON1130	Erection - Dome	105d	135d	20-Jul-2017	15-Jan-2018	17537																																																
CON1250	Mechanical / Piping Installation - Dome	80d	135d	15-Jan-2018	08-May-2018	4576																																																
13 - Material Handling Plant		299d	79d	01-May-2017	13-Aug-2018	75223																																																
CON1140	Civil - Material Handling	30d	85d	01-May-2017	12-Jun-2017	1509																																																
CON1150	Concrete Foundations - Material Handling	40d	85d	13-Jun-2017	21-Aug-2017	6409																																																
CON1160	Structural Steel / Architecture - Material Handling	183d	85d	22-Aug-2017	23-May-2018	42817																																																
CON1240	Mechanical / Piping Installation - Material Handling	70d	79d	21-Mar-2018*	29-Jun-2018	21008																																																

