Project Nr Unit Nr	Serial N°	Revision
EL	001	F

PROJECT EQUIPMENT LIST

IDENTIFICATION				PURCHASING					LOCALISATION			DESIGN PARAMETERS											SUBCONTRACT PARAMETERS										Design Parameter
															OVERALL DIMENSIONS						MATERIAL		INSULATION			PAINTING		NB OF DELIVERIES					
REV	TAG	SERVICE	PARENT TAG NUMBER	REQUISITION NUMBER	REQUISITION DESIGNATION	MATERIAL CODE	CRITICALITY FACTOR	VENDOR NAME	PID #	GEOGR. UNIT or MODULE NB	DESIGN AREA or DECK LEVEL	DRIVER	POWER / DUTY	POSITION	DIAMETER / WIDTH	LENGTH	HEIGHT	Design pressure	Design temperature	Operating temperature	INTERNAL	EXTERNAL	TYPE	BY	FIREPROOFING	SYSTEM	BY	ITEM DELIVERED	NUMBER OF SKID	DRY WEIGHT / NET WEIGHT	SPARE	REMARKS	Duty volume, flowrate,… m3, m3/h
													(kW)		(m)	(m)	(m)	(Bar g)	(° C)	(° C)										(Tons)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(10)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(33)	(34)	(35)	(36)	(37)	(38)	(44)	(45)	(46)
		Area 100 - Mine																															
		Unit 120 - Mine dewatering																															
		Unit 120 - Mine Dewatering																															
C									120-001 / 003	120		M	18,4					23,7	50	35											No		
C									120-001 / 003	120		M	18,4					23,7	50	35											No		
C									120-002 / 003	120		M	18,4					23,7	50	35											No		
C									120-002 / 003	120		M	18,4					23,7	50	35											No		
C									120-002 / 003	120		M	18,4					23,7	50	35											No		
C									120-001 / 003	120		M	18,4					23,7	50	35											No		
C									120-001 / 003	120		M	18,4					23,7	50	35											No		
C									120-001 / 003	120		M	18,4					23,7	50	35											No	construction period.	
C									120-001 / 005	120		M	18,4					23,7	50	35											No		
C									120-001 / 005	120		M	18,4					23,7	50	35											No		
C									120-002 / 005	120		M	18,4					23,7	50	35											No		
C									120-002 / 005	120		M	18,4					23,7	50	35											No		
C									120-002 / 005	120		M	18,4					23,7	50	35											No		
C									120-001 / 004	120					195	585	20	Atm	80	35		Cavity in natural rock						N/A			No	Civil Works	
F																																	
F																																	
F																																	
C			N/A	Civil works	N/A				120-004	120					214	641	20	Atm	80	35		Cavity in natural rock						N/A			No	Civil works	Nominal capacity : 2 200000 m3
F																																	
MAIN WORKS																																	
		Unit 130 - Emulsion Production Plant																															
		Unit 133 - Emulsion facility																															
E			Package			1810	C			133		EC	7															>1		2		Building B-133-01	
E			Package			1810	C			133		EC	2															>1		2		Building B-133-02	
E			Package			1810	C			133		EC	4															>1		2		Building B-133-03	
E			Package		Exhaust	1810	C			133		EC																>1		1		Building B-133-05	
		Section 1100 -Dense Nitrate Feeding System																															
E	133-GP-1000	Dense Nitrate Feeding System			Material requisition for Nitrate Lump Breaking and Loading System	4110	C	FLEXICON																									
E	133-BN-1100	Dense Nitrate Hopper	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4110		FLEXICON	133-021-003	133					1,065	1,065	1,065		50	35		Inox 316L						1		0,2	No		
F	133-BN-1130	Dense Nitrate Intermediate Hopper	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4110		133-021-003							1,065	1,065	1,065		50	35		Inox 316L		1				1		0,2	No		
E	133-BN-1200	Dense Nitrate Hopper	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4110		FLEXICON	133-021-003	133					1,065	1,065	1,065		50	35		Inox 316L						1		0,2	No		
E	133-BN-1230	Dense Nitrate Intermediate Hopper	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4110		133-021-003							1,065	1,065	1,065		50	35		Inox 316L		1				1		0,2	No		
E	133-FE-1110	Dense Feed Screw Conveyor	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4110		FLEXICON	133-021-003	133		M	5,5						50	35								1		0,3	No		Mass flowrate : 6t/h
E	133-FE-1210	Dense Nitrate Screw Conveyor	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4110		FLEXICON	133-021-003	133		M	5,5						50	35								1		0,3	No		Mass flowrate : 6 t/h
D	133-TK-1211	Oily Phase Retention Pit	N/A	Civil Works	N/A				133-021-001													Conc.						N/A		N/A	NO	Civil works	
E	133-CN-1140	Dense Nitrate Big Bag Hoist 1	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4110		FLEXICON	133-021-003	133		EC	3															1		0,2	No		Load 1,2t
E	133-CN-1240	Dene Nitrate Big Bag Hoist 2	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4110		FLEXICON	133-021-003	133		EC	3															1		0,2	No		Load 1,2t
E	133-CR-1120	Clod Breaking System 1	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4110		FLEXICON	133-021-003	133		M	15						50	35								1		0,5	No		Mass flowrate : 5t/h
E	133-CR-1220	Clod Breaking System 2	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4110		FLEXICON	133-021-003	133		M	15						50	35								1		0,5	No		Mass flowrate : 5t/h
D	133-ZM-1300	Waste big-bag compactor			Material requisition for Solid Waste Treatment Package	4300	D	BILK	133-021-003	133		P																1		2	No		
E	133-ZM-1400	Big Bag Conditioner	133-GP-1000		Material requisition for Nitrate Lump Breaking and Loading System	4300		FLEXICON		133		M	3															1		2,5	No		
E	133-ZM-1501	Rolling Shutter Door			Scope of Work for Steel Structure					133		EC	1,5			2	3																B-133-01
E	133-ZM-1502	Rolling Shutter Door			Scope of Work for Steel Structure					133		EC	1,5			3	4																B-133-01
		Section 2000-Dense nitrate dissolution																															
F	133-SK-2000B	**Amonium Hydroxide Dosing**			Material requisition for Solutions Preparation Packages	920	C	BOCCARD	133-021-003	**133**																		**1**		0,3			
E	133-PU-2070	Amonium hydroxide dosing pump	133-SK-2000A		Material requisition for Solutions Preparation Packages	920	C	BOCCARD	133-021-003	133		M	0,1																				
F	133-SK-2000A	**Nitric Acid Dosing**			Material requisition for Solutions Preparation Packages	920	C	BOCCARD	133-021-003	133																		1		0,3			
E	133-PU-2080	Nitric acid dosing pump	133-SK-2000B		Material requisition for Solutions Preparation Packages	920	C	BOCCARD	133-021-003	133		M	0,1																				
E	133-TK-2100	Dense Nitrate Dissolution Tank 1	N/A		Material Requisition for Atmospheric Equipment	813	C	VILMAR	133-021-004	133				V	3,2		4,1		115	90		Inox 316L	H	2200				1		7	No		Working volume: 26 m3 Heated tank (internal coils) :
E	133-AG-2110	Dense Nitrate Dissolution Tank 1 Agitator	N/A		Material requisition for Standard Agitators	4261	C	MERSEN	133-021-004	133		M	7,5						115	90		Inox 316L						1		1	No	Fitted in 133-TK-2100	
E	133-HE-2120	Dense Nitrate Dissolution Tank Heater	N/A		Material Requisition for Atmospheric Equipment	813	C	VILMAR	133-021-004																							Included in 133-TK-2100	
E	133-FL-2130	Aqueous Phase Filter 1	N/A		Material Requisition for Filters	841	C	BEA	133-021-004	133												Inox 316L						1		0,1	No	Filtering particles 5 mm- 40 m3/h	
E	133-PU-2140	Aqueous Phase Transfer Pump 1	N/A		Material Requisition for Water Utilities pumps	910	C	KSB	133-021-004	133		M	7,5									Inox 316L						1		0,1	No		35m3/h, 9,1m
E	133-LA-2150	Aqueous Phase Loading Arm 1	N/A		Material Requisition for Aqueous Phase Loading Arm	4110	C	KANNON	133-021-004	133																		>1		3			
E	133-TK-2200	Dense Nitrate Dissolution Tank 2	N/A		Material Requisition for Atmospheric Equipment	813	C	VILMAR	133-021-004	133				V	3,2		4,1		115	90		Inox 316L	H	2200				1		7	No		Working volume: 26 m3 Heated tank (internal coils) : 90 °C
E	133-AG-2210	Dense Nitrate Dissolution Tank 2 Agitator	N/A		Material requisition for Standard Agitators	4261	C	MERSEN	133-021-004	133		M	3						115	90		Inox 316L						1		1	No	Fitted in 133-TK-2200	
E	133-HE-2220	Dense Nitrate Dissolution Tank Heater	N/A		Material Requisition for Atmospheric Equipment	813	C	VILMAR	133-021-004																							Included in 133-TK-2100	
E	133-FL-2230	Aqueous Phase Filter 2	N/A		Material Requisition for Filters	841	C	BEA	133-021-004	133												Inox 316L						1		0,1	No	Filtering particles 5 mm- 40 m3/h	
E	133-PU-2240	Aqueous Phase Transfer Pump 2	N/A		Material Requisition for Water Utilities pumps	910	C	KSB	133-021-004	133		M	3									Inox 316L						1		0,1	No	Emergency Power Supplied	35m3/h, 9,1m
E	133-PU-2240-X	Aqueous Phase Transfer Pump 2	N/A		Material Requisition for Water Utilities pumps	910	C	KSB	133-021-004	133		M	3									Inox 316L						1		0,1	No	Not installed - in workshop	35m3/h, 9,1m
E	133-LA-2250	Aqueous Phase Loading Arm 2	N/A		Material Requisition for Aqueous Phase Loading Arm	4110	C	KANNON	133-021-004	133																		>1		3			
F	133-SK-2000	**HMT Skid**			Material requisition for Solutions Preparation Packages	920	C	BOCCARD	133-021-003	133																		1		0,7			
E	133-WS-2410	HMT Container Weight Scale	133-SK-2000		Material requisition for Solutions Preparation Packages	4110	C	BOCCARD	133-021-003	133		EC	0,2																			HMT Preparation Skid	
E	133-PU-2420	HMT Feed Pump	133-SK-2000		Material requisition for Solutions Preparation Packages	4110	C	BOCCARD	133-021-003	133		M	0,5																			HMT Preparation Skid	
		Section 4000 - Gasoil storage and distribution																															
E	133-GP-4000	Gasoil Storage and Distribution			Material requisition for Gasoil Storage & Distribution Package	4110	D	LAFON																									
E	133-TK-4100	Gasoil Tank	133-GP-4000		Material requisition for Gasoil Storage & Distribution Package	4110		LAFON	133-021-001	133				H	3.7		4.5		47	35		Carbon steel						1		8	No	Double jacket tank	Working volume: 50 m3
E	133-PU-4110	Gasoil Unloading Pump	133-GP-4000		Material requisition for Gasoil Storage & Distribution Package	4110		LAFON	133-021-001	133		M	11						47	35								1		10	No	Included in one Container	60 m3/h
F	~~133-PU-4120-A~~	~~Gasoil Feed Pump~~																															
F	~~133-PU-4120-B~~	~~Gasoil Feed Pump~~																															
E	133-PU-4130	Forklift Gasoil Feed Pump	133-GP-4000		Material requisition for Gasoil Storage & Distribution Package	4110		LAFON	133-021-001	133		M	1															1				Included in one Container	3 m3/h
F	133-FL-4150	Forlift Feed Filter with Coalescer	133-GP-4000		Material requisition for Gasoil Storage & Distribution Package	4110		LAFON	133-021-001	133																		1				Included in one Container	3 m3/h
F	133-X	Set of Piping / Steel Strcuture	133-GP-4000		Material requisition for Gasoil Storage & Distribution Package	4110		LAFON	133-021-001	133																		>1		6			
F	~~133-FL-4150~~	~~Gasoil Filter~~																															
		Section 5000 - Steam boiler and hot water production																															
E	133-GP-5000	Steam Boiler and hot water production			Material requisition for Boilers	0152	D	CLAYTON															H	6800				**2**		**16**		**2 containers**	