

# Project: Construction of the Second Line of Pellets Plant CVG Ferrominera Orinoco C.A. (FMO)





Proyecto: **Construcción de la Segunda  
Línea de Planta de Pellas de CVG  
Ferrominera Orinoco C.A.**



## Project Synopsis

Entities Government	CVG Ferrominera Orinoco C.A. Ministry of Popular Power of Industries and Domestic Production		
Contractor Company	China Metallurgical Group Corporation (MCC).		
Objective	Produce 3,000,000 tons of pellets which means revenue from product sales in order of \$500,000,000 a year.		
Reach	This production will allow added value to the iron ore guaranteeing 100% of the raw material for the steel sector of domestic merchandise		
Contract Amount	Contract		
Funding Source	Long-Term Large Volume Fund	General Physical Advancement	76,51%
Start Date	20/07/2012	Financial Advancement	
Completion Date	25/01/2022	Current Situation	No Significant Progress



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**PROJECT PHYSICAL PROGRESS SUMMARY 76.51%**

ID	DESCRIPTION	ADVANCE (%)	OBSERVATION
000	Temporary Facilities	100	Slope to run of the 2LPP.
000	General	80	
110	Mineral Reception	0	Pending completion of works of all buildings.
120	Mineral Recovery	30	
130	Additive Recovery	25	
211	Dosing Building	62	The Purchase and Installation of refractory coating has not been made
213	Sleeve Filter	0	
214	Dryer	76	
215	Control Room	69	
220	Grinding	59	No wiring and connection of any equipment to the rooms.
410	Material Dosage	52	
430	Mixing and Transporting	30	
511	Pelletization Building	22	
520	Return of Green Pellets	43	
611	Mobile Grill Building	58	The Central Control Program has not been received to be installed in the PLC.
620	Pellets Burner	58	
631	Annular Cooler Building	66	
641	Pellets Screening Room	0	Instrumentation of any equipment has not been installed.
642	Tower Transfers No. 6	51	

**PROJECT PHYSICAL PROGRESS SUMMARY 76.51%**

ID	DESCRIPTION	ADVANCE (%)	OBSERVATION
643	Screening Galleries	16	EMR Natural Gas Station Missing (Equipment and Construction).
711	Pellets Stacker		
712	Transfer Tower No. 9	62	
714	Galleries Stacking Products	70	Main Sub-Station 115Kv has an oil leak to be repaired and do not have Input connections 115Kv. Missing Bar Transfer from Bay 4.
720	Products Dispath	41	
800	Waste Recovery	42	
820	Green Pellets	36	
830	Sludge	45	
A10	Fresh Water	52	Electric Room No. 2 has no input bar duct. The grounding resistors of the transformers are missing.
A20	Process Water	12	
A30	Drinking Water	28	
A40	Waste Water	37	
A60	Compressed Air	19	The grinding bodies are missing for the two (2) mills.
	Instruments		
A70	Nitrogen and Natural Gas	0	
A90	Civil Works and Pipe Way	96	Installation of several Dust Collectors is missing.
B00	Main Sub-Station 115 Kv	76	



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ID	DESCRIPTION	ADVANCE (%)	OBSERVATION
B20	Emergency Electric Generator	0	Electrostatic Precipitators have not been installed.
C10	Electrical Rooms	49	
C20	Electric Room No. 2	41	
C30	Electric Room No. 3	52	Finishes of all floor buildings are missing.
C40	Electric Room No. 4	53	
C50	Electric Room No. 5	28	
C60	Electric Room No. 6	13	Internal road and secondary equipment installation missing. Pumps, Compressors, Hydraulic Motors, Fans.
C70	Electric Room No. 7	38	
C80	Electric Room No. 8	29	
C90	Electric Room No. 9	21	
100	Infrastructure	26	
	Test without Full Load	0	The Construction of the oil warehouse is lacking.
	Load Test	0	Plant lightning rod installation is missing.
	Spare Parts 1 Year Operation	0	
	Training	0	
	EMR Natural Gas Station	0	Many plant pipes need to be completed: water, gas, lubrication. The Installation of the fire system must be completed. Central Control Room equipment has not been installed.
	Central Control Program	0	



### OTHER PENDING ACTIVITIES

- Excavation and placement of EF-19 prefabricated foundations. FINE ORE BATTERY
- Assembly of structural elements of conveyor belt 012-BC02.
- Excavation of bases for conveyor belt on the north axis.
- Assembling, form working and emptying of conveyor bases on the north axis.
- Placing recuperator rails 012-RR01
- Welding of ducts of the dust handling system.021-BF02.
- Placing bolts on fan 021-FN09.
- Installation of structural elements of conveyor belt 021-BC03.
- Excavation for perimeter sidewalk and EDIF ramp.
- Floor slab assembly TRANSFER TOWER No. 5
- Formwork and emptying of pelletizing disc base grout, level +6,40. EDIF. PELETIZATION
- Conveyor belt installation 051.BC.05.
- Placement of reinforcing steel for floor.
- Fan Alignment (062.FN01) ROTATORY OVEN.
- Completion of the scope of the contract (completion of works, training, and testing)