

INVESTMENT PROGRAM 2019

Nr. Crt.	INVESTMENT NAME	Updated total value of investment <u>TOTAL VAL.</u> C + M thousand EURO	Financing sources values		Investment value reaced till 31.12.2018 <u>TOTAL VALUE</u> C + M thousand EURO	Planned for 2019 <u>TOTAL VALUE</u> C + M thousand EURO	Put in function (p.i.f)
			Structural grand funds thousand EURO	Loans + own funds thousand EURO			
A. EXTENSION- REVAMP of PRODUCTION CAPACITIES and INFRASTRUCTURE, DIVERSIFICATION of PRODUCTS RANGE							
1	Calcium chloride solution	100.00	0.00	100.00	0.00		Quart IV 2020
2	Ferric chloride	500.00	0.00	500.00	0.00	0.00	Quart. IV 2022
3	Hydrochloric Acid	1,000.00	0.00	1,000.00	0.00	500.00	Jun. 2020
4	Lime Cloride	500.00	0.00	500.00	0.00	0.00	Quart IV 2022
5	Sodium silicate	2,500.00	0.00	2,500.00	316.00	1,500.00	Quart II 2020
6	Fish Complex Tarcau	2,565.26	714.79	1850.47	26.00	300.00	Quart I 2021
TOTAL A		<u>7,165.26</u> 100.00	714.79	6,350.47	<u>342.00</u> -	<u>2,300.00</u> -	
B. DEVELOPMENT, EFICIENCY, COSTS REDUCTION - MACHINES/EQUIPMENT/PLANTS/ACTIVES ACQUISITION							
1	Calcium chloride granules	8,107.52 1,500.00	0.00	8,107.52	1,825.00	4,053.76	Quart IV 2020
2	Electrolysis	3,000.00	0.00	3,000.00	474.00	1,000.00	Quart IV 2020
3	Acquisition assets pulp & paper (Somes Dej)	1,279.00	0.00	1,279.00	424.00	855.00	Quart IV 2019
TOTAL B		<u>12,386.52</u> 1,500.00	47.00	12,386.52	<u>2,723.00</u> -	<u>5,908.76</u> -	
C. WORKS for ENVIRONMENT , PRODUCT SAFETY, NORMS/PRESCRIPTIONS/RULES COMPLIANCE							
1	Modernization of the final station neutraliz.water 019	56.00	0.00	56.00	20.00	36.00	Quart IV 2019
2	Brine duct (return)	1,275.00	0.00	1,275.00	997.00	100.00	Quart IV 2020
3	Modernization of Phoenix equipment. fast closing. (for liquid chlorine tanks)	565.00	0.00	565.00	241.00	25.00	Quart IV 2024
4	Rehabilitation of sewers (including inorganic collector Soda M-019)	350.00	0.00	350.00	67.00	50.00	Quart IV 2024
5	Rail tank park repairing: tanks (HCl, Hipo, FeCl3), manufacturing 200 railtank axle	420.00	0.00	420.00	106.00	100.00	Quart IV 2021
TOTAL C		<u>2,666.00</u> 1,275.00	0.00	1,391.00	<u>434.00</u> 997.00	<u>311.00</u> 100.00	
D. REHABILITATIONS, SYSTEMATIZATION, VALUATION of EXISTING FACILITIES							
1	Rehabilitation and modernization of equipments at Soda M (ion exch. col, H2 filter, pp.vacuum, pp. neutraliz.)	200.00	0.00	200.00	0.00	100.00	Quart IV 2020

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2	Rehabilitation of firefighting water net to plants Amine Liquid Chlorine	150.00	0	150.00	0.00	50.00	Quart IV 2021
3	Modernization - extension of Tarcau training center	500.00	0.00	500.00	50.00	50.00	2024
4	Storage tanks: depleted brine, lye, raw brine	450.00	0.00	450.00	257.00	50.00	Quart IV 2023
5	Rehabilitation of plant buildings and consolidations of pipelines scaffold/racks	600.00	0.00	600.00	355.00	50.00	Quart IV 2024
6	Car park rehabilitation: tractor purchasing (with trailer + vidanja) and forklift trucks	55.00	0.00	55.00	2.00	53.00	Quart IV 2019
7	Rehabilitation of locomotive park - repair planned type RR locomotive LDE (1 pc.)	70.00	0.00	70.00	0.00	70.00	Quart IV 2019
8	Modernization of Station 110KV Rectifiers (SodaM	300.00	0.00	300.00	5.00	100.00	Dec. 2020
TOTAL D		2,325.00 300.00	0.00	2,325.00	669.00 5.00	523.00 295.00	
E. ENDOWMENTS, MACHINES AND EQUIPMENT REPLACES							
1	Endowments / replacements of equipment: electr., instr., rotary, IT , laboratory and others	2,200.00	0.00	2,200.00	1,658.00	100.00	permanent
2	Purchase pumps recirc.amine-ammonia mixture (5 pcs.) and H2 compressor (MIPA) -Alkylamines Plant	255.00	0.00	255.00	25.00	230.00	Quart IV 2019
3	Purchasing control valves (20pcs.), Vortex flowmeters (7pcs), ball valves (10pcs) - Alkylamines plant	95.00	0.00	95.00	0.00	95.00	Quart IV 2019
4	Replacement of recirculating water cooling towers and re-displacement of ammonia tank V1 (from Amoniu) - Alkylamines plant	112.00	0.00	112.00	0.00	112.00	Quart IV 2019
TOTAL E		2,662.00 -	0.00	2,662.00	1,683.00 -	537.00 -	
F. STRATEGIES, STUDIES and PROJECTS							
1	Technological , market and feasibility studies: -new silicates(calcium, magnesium, zeolites, etc.) -Ferric sulphate; Calcium carbonate precipitated - Phosphates; New pesticides _opportunity study purch. the Carom platform -new amines(fatty amines and substituted ethylenediamine) _stone boiler disincrusts	500.00	0.00	500.00	75.00	100.00	Trim IV 2020
TOTAL F		500.00	0.00	500.00	75.00	100.00	
TOTAL A+B+C+D+E+F		27,704.78 3,175.00	761.79	25,614.99	5,926.00 1,002.00	9,679.76 395.00	

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