

NOOLAYS SALT PRODUCER COOPERATIVE

COMPANY PROFILE

Building a modern salt industry through partnership

From natural salt resources to a modern industry

Noolays Salt Producer Cooperative is developing a salt production and processing project in the Somali Regional State of Ethiopia — from pilot production to modern processing and full-scale industrial development.

The resource

Hypersaline brine in the Habulay basin: TDS above 250,000 mg/L, a near-marine Na⁺/Cl⁻ ratio, and 15–20 ha of favourable solar evaporation areas.

The plan

Pilot production → technical validation → commercial demonstration → processing and value addition → industrial expansion. Each stage is a decision gate.

The partnership

We bring the resource, local presence and commitment. Partners bring capital, technology, engineering, management and markets.

Pilot Today. Build Together. Scale for Tomorrow.

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Noolays Salt Producer Cooperative is a newly established cooperative focused on developing natural salt resources in the Somali Regional State of Ethiopia. Our project is located in Dihun Woreda, Nogob Zone, Jajabe Kebele, within the Habulay saline river basin. The Cooperative has undertaken project-development activities including field investigation, resource assessment, site studies, preliminary engineering and project planning. Our long-term objective is to transform the identified resource opportunity into a modern salt-production and processing enterprise.

Vision: To build a modern, sustainable and competitive salt industry that creates long-term value for cooperative members, communities, partners and the wider economy.

Mission: To responsibly develop local salt resources through technology, investment, local participation, value addition and sustainable development.

Our core principles

- ✓ Partnership — Strong industries are built through cooperation between resource owners, investors, technical experts, communities and markets.
- ✓ Modernization — We aim to use appropriate modern production and processing technology rather than relying exclusively on traditional small-scale methods.
- ✓ Sustainability — We seek to develop the resource responsibly while considering environmental, social and economic sustainability.
- ✓ Value addition — Our objective is to process and upgrade raw salt into products with greater commercial value.
- ✓ Transparency — Investors and partners should have access to appropriate technical, commercial and legal information for proper due diligence.
- ✓ Community development — We want the project to create employment, business opportunities, skills development and broader economic benefits.

Project at a glance

Developer	Noolays Salt Producer Cooperative
Country	Ethiopia
Region	Somali Regional State
Zone	Nogob Zone
Woreda	Dihun Woreda
Kebele	Jajabe Kebele
Resource area	Habulay Saline River Basin
Development model	Pilot → Commercial → Industrial
Resource (preliminary)	TDS >250,000 mg/L · 15–20 ha pond areas · approx. 150 ha permit area
Current stage	Newly established cooperative at pilot-development stage



Salt mining sites — Habulay Saline River Basin



Office

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Salt mining sites

Salt mining sites: Dihun Woreda, Nogob Zone
— Habulay saline river basin

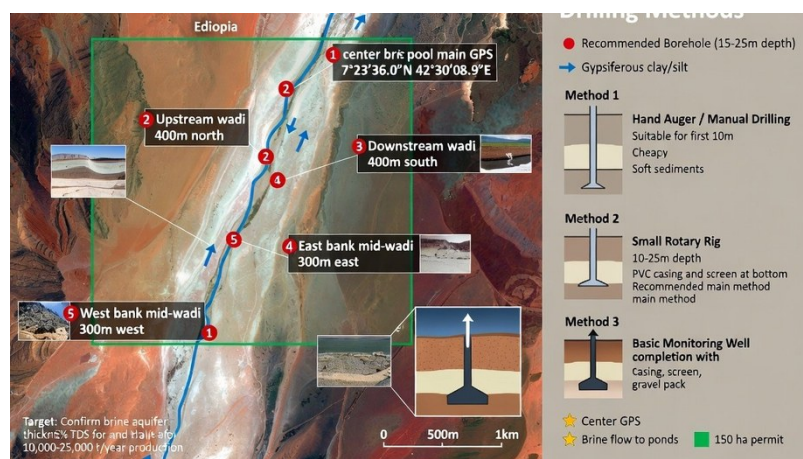


Preliminary figures from the cooperative's own Geological & Saline-Brine Survey Analysis Report for the Habulay River Basin (remote sensing and stratigraphic correlation with the Korahe Basin).

Parameter	Value range	Interpretation
TDS	>250,000 mg/L	Hypersaline — suitable for commercial salt extraction
Na+ / Cl- ratio	0.9 – 1.1	Near-marine composition
Sulphate (SO4) content	High	Indicates gypsum and anhydrite dissolution
pH	6.5 – 7.5	Neutral to slightly saline
Evaporation rate	approx. 7 – 9 mm/day	High potential for natural solar evaporation ponds

Component	Estimated coverage	Potential yield
Surface salt crusts	approx. 2.5 km ²	20,000 – 25,000 tons (NaCl)
Shallow brine zone	3 – 5 m depth	45,000 – 60,000 m ³ brine
Gypsum / anhydrite beds	10 – 15 m thick	500,000 – 700,000 tons (gypsum equivalent)

Preliminary 5-borehole exploration plan



Concept map: five proposed boreholes and drilling methods.

- ✓ Confirm brine occurrence and aquifer characteristics
- ✓ Collect representative samples for laboratory analysis
- ✓ Compare salinity and water chemistry between locations
- ✓ Use the results to refine the pilot evaporation design

#	Location
1	Centre brine pool (main GPS)
2	Upstream wadi
3	Downstream wadi
4	East bank, mid-wadi
5	West bank, mid-wadi

approx. 150 ha identified permit area · 5 shallow exploration boreholes (15–25 m depth) · Brine confirmation for a 10,000–25,000 t/year concept

This is a preliminary planning graphic and must be field-verified before any drilling. Borehole positions, depths and the permit area are subject to survey, land access and regulatory confirmation.



What we are building

- ✓ Solar evaporation infrastructure
- ✓ Modern salt harvesting systems
- ✓ Salt washing and purification
- ✓ Crushing, milling and grading
- ✓ Iodized edible salt production
- ✓ Industrial salt production
- ✓ Livestock salt products
- ✓ Packaging and storage
- ✓ Quality-control systems
- ✓ Modern logistics and distribution

Products & value addition

- Raw solar-evaporated salt
- Refined iodised edible salt
- Industrial salt
- Livestock salt
- Future specialised products, subject to market and technical validation

Raw salt → Washing → Purification → Drying → Crushing / milling → Screening & grading → Iodization → Packaging → Market

How you can partner

Investors

Building the pilot plant · Production facilities · Processing machines · Buildings and power

Equipment & technology suppliers

Sun-drying ponds · Salt collecting machines · Salt washing · Refining

Industry & engineering partners

Technical knowledge · Plant design · Engineering · Management systems

Information available to qualified partners

- ✓ Corporate documents
- ✓ Land & legal
- ✓ Technical
- ✓ Laboratory
- ✓ Environmental
- ✓ Commercial
- ✓ Financial
- ✓ Development

Requests are handled individually and confidentially. We answer in Somali, Amharic and English.

Resource figures in this brochure are preliminary indications from the cooperative's own survey work. They are not an independently certified resource statement and are not a production forecast. Verify with Noolays before relying on them.

CONTACT

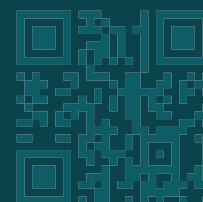
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