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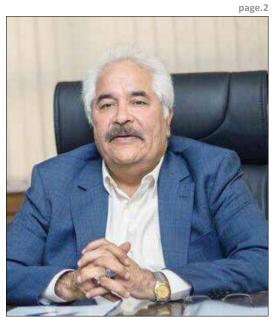


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15 April 2019

Golgohar Plans for 2019



Chadormalu at a glance



We are prepared to work with Private Sector











IRANIAN MINES AND MINING INDUSTRIES DEVELOPMENT AND RENOVATION ORGANIZATION

IMIDRO Plans

Introduction

n 2003, Iranian Mines and Mining Industries Development and Renovation Organization known as IMIDRO was established. Since 2013, IMIDRO has pursued its missions with 3 main approaches include development, empowerment and competitiveness of mine and mining industries sector.

To pay a special attention towards social and economic effects of mine and mining industries, IM-IDRO decided to put several issues on agenda such as knowledge development, production, employment, export development and ability to contribute to balanced development and improve quality of life of the people at less-developed areas.

Value of operated projects (March2018-March2019)

Value of operated projects in mine and mining industries in last Iranian year (ended 20 march, 2019): over \$2.17Bn (20 projects)

Employment: 4440 direct employment (projects related to steel chain, copper, aluminum and infrastructure affairs)

Mining projects by 2021

IMIDRO aims to operate 109 mining and mining industries projects during (2019-2021) which will

lead to 36000 direct and indirect employment. The expected investment for mentioned operations amount to \$15.6 Bn.

Value of lunched projects since 2002

- Over\$16Bn from 2002 to 2005
- About \$5Bn from 2005 to 2012
- More than \$5Bn from 2013 to 2018 Exploration plan

In spring2014, IMIDRO started a new exploration program in 21 provinces of Iran covering 250 thousand kilometers in order to prepare raw material for steel chain development, copper, aluminum, gold and rare earth elements. Finally, the project were conducted in 270 square kilometers with cooperation of private sector.

IMIDRO's exploration actions in last 4 years

- Identification of 41 exploration blocks in 272 thousands square kilometers
- Completion of reconnaissance phase of 198 thousand square kilometers and execution of Reconnaissance phase of 74 thousand square kilometers
- Formation of exploration consortium for participation of private sector





Golgohar Plans for 2019



olgohar Mining & Industrial Co. is capable of being changed to one of the Top10 international companies in the world over the next four years.

Nasser Taghizadeh as the CEO of Golgohar Mining & Industrial Co. pointed to this subject through an interview with madan24 and said: "Golgohar Mining & Industrial Co. has this capability of being changed to one of the Top 10 international companies in the world over next four years and can offer and sell its shares in the international markets."

He also implied: "In a little while, we decide to turn Golgohar Co. into a university, so we intend to prepare a series of schemes and plan of actions in localization and manufacturing consumer parts related to production lines in Sirjan."

He added: "We don't want to have a big jump in production capacity in 2019, and we intend to add one million tons to the present production capacity; but in 2020, we will plan to increase the production capacity to 7-8 million tons more than the present amount."

He said: "The beginning of the executive operations and development of the Kahnouj Titanium project; preparing the production schedule of 100,000 tons of sponge iron through the Tunnel Kiln method in Andimeshk and also the project of iron ore pel-

let mill in Kharameh (Fars Province) are the main activities and projects of this Company that will take place in 2019."

Golgohar CEO also implied: "we concentrate on the regional markets especially on countries such as Oman, Iraq and Syria seriously, so that this Company is compeletly ready to supply necessary sponge iron for Oman, and we can exploit our 4.5 million tons production capacity in export markets."

Taghizadeh said: "Golgohar Mining & Industrial Co. announces its readiness for exporting 700,000 tons of steel rebar to Iraq and Syria, and in case of establishing suitable infrastructure, we are also prepared to invest on steel products in those countries."

He added: "At the present time, the mutual fund investment among 3 Mining & Industrial Companies (Golgohar, Chadormalu and Mobarakeh Steel Co.) with 10 million tons of steel production has been stopped and the researching actions have been following."

He said: "The planning for foreign investment should be taken under serious consideration by mining & steel companies. In this way, Golgohar Co. declare its readiness to cooperate and do mutual fund investment in mining and mineral industries section in other countries."

He also implied: "Export development is the basic project of Golgohar Co. but Iran government should give and support necessary guarantees for accelerating the process of constant steel and mineral products exports in private enterprises in order to bring peace of mind for them."

CEO of Golgohar Mining & Industrial Co. stated: "The guarantee of constant export process for steel and mineral products which is due to come for enterprises from Iran government causes steel producing companies make an effort for signing and maintaining long term contracts."

Production of Jajarm's First Aluminum Ingot

Production of Jajarm's First Aluminum Ingot



ehran, March13, IMIDRO First Aluminum ingot of Jajarm Aluminum Plant produced, Chairman of the board of IMIDRO announced.

According to the report of Public Relations of IMIDRO, Jajarm Aluminum production plant was stagnant in last decade. During the 11th Government as a strategic project, IMIDRO restated the project in 1394(2015-2016), Khodadad Gharibpour said.

He added that €94 million and IRR2100 billion were invested in the project.

The project led to 400 direct and 2000 indirect employment, Gharibpour continued.

One of the project's privileges is vicinity to Jajarm Alumina plant in order to easy supply of raw materials for Aluminum ingot production, chairman of the board of IMIDRO

Capacity of the first phase of Jajarm Aluminum project is 40 thousand tonnes which will be reached to 120 thousand tonnes in next phases (second and third phases), he said



Iron Ore Concentrate Output Up19%

ron ore concentrate production of major Iranian mining companies stood at 41,919,926 tonnes in the first eleven-month of current Iranian year(March 21,2018-February19,2019),up 19 percent year-on-year. Gol e Gohar Mining and Industrial Complex accounted for 14,449,689 tonnes of the total output, followed by Chadormalu Mining and Industrial Complex with 8,224,059 tonnes, Iran Central Iron Ore Company with 4,908,038 tonnes, Middle East Mines and Mining Industries Development Holding Company with 4,574,799 tonnes, Goharzamin Iron Ore Company with 4,067,711tonnes and Opal Parsian Sangan with 2,766,399 tonnes.

Granulated iron ore production increases 15%

During the period under review, Iran's six major granulated iron ore production companies had a total production of 6,037,150 tonnes of granulated iron ore, indicating a 15 percent growth YOY.

Sangan Iron Ore Complex was the biggest producer with 1,744,633 tonnes followed by Saba Nour Mining and Industrial Development Company with 1, 629,701 tonnes, Iran Central Iron Ore Company with 1,305,633 tonnes, Iran Central Plateau Iron Ore Company with 916,687 tonnes, Chadormalu Mining and Industrial Complex with 378,264 tonnes and Mishdovan Iron Ore Company with 62,232 tonnes.







Iran's Mineral Exports Passed \$7 Billion in

ehran, Jan13, IMIDRO_ Iran exported over 44 million tons of mineral products worth over \$7 billion during the first nine months of the current fiscal year (March 21-Dec. 21), registering a 10% fall in tonnage and 1% growth in value compared with last year's corresponding period. According to the report of public relations of IMIDRO, Mineral exports accounted for 51% and 22% of Iran's total nine-month shipments in terms of volume and value respectively. Steel took the lion's share of mineral exports in terms of value, worth \$3.4 billion followed by copper with \$642 million, cement chain with \$407 million and iron ore with \$346 million, types of ores with \$275

million zinc chain with \$203 million and aluminum products with \$145 million. During the period under review, Iran exported over 440,000 tons of coal and coke worth over \$68 million.

Imports Down 31%

Imports during the same period stood at \$2.5 billion, registering a 38% and 31% fall in tonnage and value respectively year-on-year.

IMIDRO's coal extraction increased 24% during the first ten months of the current fiscal year (March21, 2018-January21, 2019).

Coal Extraction Rises 24%

MIDRO's coal extraction increased 24% during the first ten months of the current fiscal year (March21, 2018-January21, 2019).

Tabas coal Company and Central Alborz coal Company (IM-IDRO's subsidiaries) extracted 1,499,783 tons of coal during (March21,2018-January21,2019),up 24% YOY.

Moreover, these two companies produced 594,033 tons of coal concentrate during the first ten-month of current Iranian year (March21, 2018- January21, 2019), indicating a 4% growth compared with the same period of last year.

Likewise, coal concentrate production of Tabas coal Company stood at 515,905 tons and Central Alborz coal Company produced 78,128 tons of coal concentrate.



Chadormalu at a glance



hadormalu Mining and Industrial Company (Public Joint Stock Company) is one of the greatest companies in Iran which produce iron ore and steel productions. This Company can produce 15 million tons/year iron ore and steel productions by allocating over 1,500 billion Rls capital investment and occupying 8,000 people in its two mining and industrial complexes located in Yazd province.

Mahmoud Nourian, Managing Director of Chadormalu Mining and Industrial Company referred to the company's production operation in 2018 and said: "More than 16 million tons of iron ore has been exploited during the last year which is led to the manufacturing of 10 million tons of iron ore concentrate and 440,000 tons of crushed (lump) iron ore."

He also pointed to the other Chadormalu's productions such as pellets (3.575 million tons), steel ingots (880,000 tons) and sponge iron (240,000 tons) in 2018, which shows a %10 growth in comparison with the last year.

Nourian said: "Chadormalu Co. was a producer of crushed iron ore, iron ore concentrate and steel pellets in two last years; but it was successful to produce 1.300 million tons of steel billet in early 2019 and it was successful to exploit of mega module direct reduction plant with 1.550 million tons of sponge iron ore as its production capacity."

Chadormalu's CEO pointed to its future projects and said: "Our development perspective for the future projects follow as: exploitation of D19 Anomaly as a mineral region; establishment of a new pelletizing plant with a production capacity of 4 million tons/year along with estimated capital investment of at least 9000 billion Rls; and also the project of establishing a rolling mill with a production capacity of 1.900 million tons/year by forecasting a minimum capital investment of 4,000 billion Rls through foreign financing.

Chadormalu Co. has also a %22 contribution in the Persian Gulf water supply transmission project to the central Iranian mineral industries.

The main purpose of this project is water sweetening and transmission of desalted water (500 million m3/year) in 3 phases to supply the consumption water of iron ore producing complexes which are ready to be used and exploited such as Golgohar Mining and Industrial Complex, Sarcheshmeh Copper Complex and Chadormalu Mining and Industrial Complex. The forecasting cost for this project is 62,651 billion Rls.

Partnership with private sector in the implementation of steel producing projects

Mahmoud Nourian then pointed to the other Chadormalu's partnership projects and said: " According to the approvals of the board of directors and in direction of partnership with private sectors; this company is going to take action in the following projects:

1-Capital investment participation in the Iranian Ghadir Iron & Steel Co. manufacturer of 800,000 tons of sponge iron annually.

Chadormalu Company share: %30

2- Capital investment participation in ARFA Iron & Steel Co. manufacturer of 800.000 tons of sponge iron and 800,000 tons of steel billet.

Chadormalu Company share: %43

3-Capital investment participation in Sarmad Abar Kouh Steel & Rolling Co. manufacturer of 500,000 tons of various kind of rebar.

Chadormalu Company share: %65

4-Capital investment participation in Shahrood Steel Co. manufacturer of 200,000 tons of rebar and 100,000 tons of steel billet.

Chadormalu Company share: %35

5- Capital investment participation in graphite electrode manufacturer plant with production capacity of 30,000 tons /year Chadormalu Company share: %27

It's noticeable to say that by achieving its nominal production capacity at present time, Chadormalu Mining and Industrial Company is trying to offer steel billet and sponge iron to the international markets especially in the regional countries from the beginning of the new year; and in this way, this Company is ready to take order and to attract investor for the future development projects.







Crude steel Output Rises 13% in Months/Steel Products Exports Up 102% 10

Iran's steel products and crude steel production in the first ten-month of the current Iranian year (March21,2018-Jan20,2019), registering a 7% and 13% growth respectively YOY.

ajor Iranian steelmakers produced 20.6 million tons of crude steel in the first ten-month of the current Iranian year (March21,2018- Jan20, 2019), indicating a 13% rise compared with last year's corresponding period.

Likewise, major Iranian steelmakers produced an aggregate of 17,572,000 tons of steel products in the first ten-month to register a 7% growth YOY.

During the period under review, Major Iranian mining companies produced a total of 21,964,000 tons of DRI to register an 18% increase compared to the same period of previous

year.steel products exports up 102%

Iran exported 3.972 million tons of steel ingots and 2.396 tons of steel products during the first ten months of the current fiscal year (March 21,2018-Jan 20, 2019), indicating a 26 percent decrease and 102% growth compared with last year's corresponding period.

Moreover, during the period under review, Iran exported 503,000 tons of DRI to register an 11% decrease YOY.

Likewise, crude steel and steel products imports during the same period stood at 27,000 tons and 881,000 tons indicating a 39% and 53% fall respectively year-on-year.

CIS billet price rise begins to meet resistance

have peaked, having ascended some \$60/mt in a rally over the last six weeks, market participants said Monday.S&P Global Platts daily billet assessment moved up \$2.50 on Monday to \$460/mt FOB Black Sea. A trader said that higher deals, at \$465/mt FOB Black Sea, had also happened, but were speculative in nature. "If someone gives me \$465/mt FOB now, I will not be against this sale," a CIS mill source said. "I had even achieved \$468/mt FOB in earlier sales, but it had little hope for further increase. The real market, I think, was maximum \$455/mt FOB Black Sea."The billet market appeared to be cooling as the finished steel markets, par-

ticularly rebar, remained lackluster.A Russian producer said it was still in the market, with March casting targeting \$470/mt FOB. The company continued to see interest from buyers, but there was also resistance to further price increases. Last sales were fixed at around \$460/mt FOB, it added.A buyer in Turkey saw very little demand for billet in the last 15 days, even from domestic suppliers. He noted that local billet, February casting, was available at \$480/mt ex-works, for prompt shipment. He put the maximum acceptable level for CIS imports at \$460/mt CFR Marmara (\$440-\$445/mt FOB Black Sea).A CIS supplier said it had no recent sales to Turkey. "They are giving low prices there," the company said.

Takht E Gonbad Shining Copper CO.

Private leader ship company holding bigest copper ore mine exploitation licence in Iran Producer of copper cathod slabs Producer of copper concentrates Selected best industrial unit 2016

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آدرس کارخانه: ایران، کرمان، سیرجان، بلورد، منطقه تخت گنبد





Mr Vajihollah Jafari as Iran Minerals Production and Supply Company's Managing Director stated that:

We are prepared to work with Private Sector



ran Minerals Production and Supply Company (IMPASCO)'s general policy, in line with the Article 44 of the Constitution, is based on privatization leading to the invitation of local and foreign investors aiming at implementing developmental projects at different Complexes and subsidiary Mines which can be defined as a joint cooperation within the framework of "Leader- Investee", the investor follows the development of its mining activities in the whole process including Exploration, Exploitation, and Processing.

In line with the implementation of Article 44 and the use of the private sector power, IMPASCO has assigned management and the leadership of the Complexes and Projects for investment in the past few years.

In the section of outsourcing, 5 Iranian Mines and Mining Industries Development and Renovation Organization (IMIDRO)'s Complexes under the IMPASCO's management and also 5 Complexes owned by the IMPASCO were assigned by the end of 2017.

Meanwhile 7 IMIDRO's Projects, under this company's management as well as 12 other Projects owned by IMPASCO were assigned to the Private Sector by the end of 2017.

Sefidabeh Antimony, Galandrood Coal, and Pirbakran Limestone are in the process of being assigned.

Four IMIDRO's exploratory Projects under IMPAS-

CO's management and 3 other exploratory Projects under IMPASCO's ownership are also in the process of being assigned.

IMPASCO is taking action of absorbing investors in the field of exploration of mining areas, mines' extraction as well as mineral processing regarding the following:

1- Exploration

One of the IMPASCO's plans in this field is to assign potential-bearing mineral areas (such as Iron Ore, Polymetal, Coal, etc.) to the qualified investors in the Private Sector which is in the process. Based on the above, IMPASCO, as the owner of the areas provides assistance for the investors with facilitation of acquiring needed permits under the Joint Venture contract among parties.

Following the investment and completion of exploratory activities by the investor and in the case of existence of mineral reserve economically, the parties will share the reserve with their shares specified in the contract.

2- Extraction

Different mines in different sizes including Iron Ore, Lead and Zinc, Gold, Coal, Copper, Brine and etc. are under IMPASCO's ownership or at its disposal throughout the Country exploitation of which are being assigned to the qualified investors by legal formalities. The extracted minerals will be used within the country and in case of oversupply will be exported.

3- Processing

One of the IMPASCO's policies is to supply the raw material needed for mineral production and mining industries through making contracts absorbing investors and cooperating with Private Sector investors. Regarding the existing potentials and the variety of the minerals including Iron Ore, Lead and Zinc, Gold, Copper, Coal, Brine, and etc. there is a good opportunity for the presence of investors in abovementioned fields which are supported by all governmental authorities.

Vale output cuts trigger steelmakers' alarm bells



Brazilian miner Vale's plan to decommission 10 tailings dams in its southern iron ore mining system has set off alarm bells among steelmakers and other market participants who foresee a spate of higher iron ore prices that will need to be passed on to steel buy-

The move will result in a temporary reduction of around 40 million mt a year in iron ore production, including high-value feed for the production of 11 million mt/year of pellets.

Vale told S&P Global Platts Wednesday that the impact of the production halts would be partially, but not entirely, offset by an increase in production at the company's other systems, sparking uncertainty among steelmakers who fear rising costs and potential logistical problems if they are obliged to source from Vale's northern Carajas mines rather than the southern system. In addition, Carajas ore tends to contain different silica levels to southern system ores, which may not be suitable for all blast furnaces, buyers said.

"It's unclear what the impact on steelmakers will be, but logistics is the problem," a source close to a major steelmaker said. "Iron ore could reach \$100/mt." The source said some mills may attempt to reduce their dependence on Vale ore, which could favor its major competitors -- BHP, Rio Tinto, Anglo American and Fortescue Metals Group.

A Jefferies Research Services team led by Christopher LaFemina said it expected iron ore prices to be supported by the news. "We expect some supply dislocations in the iron ore market to lead to a tighter market than we had previously assumed. The benefits of Chinese stimulus and some reductions in BF/BOF scrap usage in China following a significant increase in scrap usage last year are also potential positives for prices. We expect Rio Tinto, BHP, Fortescue and Anglo American to benefit from higher-than-expected iron ore prices this year, and consensus earnings upgrades for these companies should be coming in the verv near future."

S&P Global Platts assessed the 62% Fe delivered China iron ore benchmark price at \$85.05/mt Wednesday, a jump of \$5.10 from Tuesday, while the highergrade 65% Fe delivered fines price hit \$99.15/mt, also up \$5.10. The prices have been rising steadily since Vale's Corrego do Feijao iron ore tailing dam burst on

BMO Capital Markets' Edward Sterck said Wednesday that as a consequence of the Vale production changes BMO had increased its iron ore price forecasts for the coming years. "62% Fe index is increased by 24%, 11%, and 17% for 2019-20-21E and pellet premium by 30%, 10%, and 6%," the analyst said.

Jefferies' equity analyst Seth Rosenfeld said that while rising iron ore prices are ostensibly a negative for steelmakers, the steel industry has historically flourished during times of raw materials cost inflation.

"With global steel demand still decent (though admittedly slowing), steel mills should be able to pass on rising input costs to customers in coming months," said Rosenfeld. "There is always risk that mismatched lead times/contract structures lead to temporary outsized steel mill margin squeeze, but we expect steelmakers to quickly point to rising iron ore as the best reason to implement price hikes in coming weeks. Given different steelmaking technologies and raw materials supply arrangements by region, in addition to current pricing trends, we see potential for rising iron ore to prove most inflationary for steel prices in Asia/Europe with a somewhat more modest impact in the US."When asked whether Vale's northern system already has the logistics in place to handle greater shipment quantities to offset the southern system cuts, the miner's press office said it did not immediately have this information available, as the company's current focus is on providing support to those affected by last week's dam burst. The latest information from local authorities is that there have been 84 deaths and there are still 276 people missing following the accident.





Golgohar Direct Equity



Sirjan Gohar Tarabar Company

Golgohar Sharehold	The percentage of shares
Golgohar Mining & Industrial Co	32%
Golgohar Investment & Development	67%



Gohar Sirjan Energy Company

Golgohar Sharehold	The percentage of shares	
Golgohar Mining & Industrial Co	51%	
Canadity of alastricity produces FOO NAM		

Capacity of electricity produce: 500 MW



Kerman Parand Golfam Mine Company

Golgohar Sharehold	The percentage of shares
Golgohar Mining & Industrial Co	63%



Kavand Nahan Zamin Company

Golgohar Sharehold	The percentage of shares	
Golgohar Mining & Industrial Co	50.9%	
Cathode Copper Produce		
Capacity of Project: 1000 tons yearly		



Nazmavaran Industry and Mining Golgohar Company

Golgohar Sharehold	The percentage of shares
Golgohar Mining & Industrial Co	13%

Golgohar Iron & Steel Development Company

Golgohar Sharehold	The percentage of shares
Golgohar Mining & Industrial Co	35%
Golgohar Investment & Development	15%

Sponge Iron Mill with DRI Method 1 (Gohar) Capacity of Project: 1.7 Million tons Sponge Iron yearly Investment of Project: 63 Million € Sponge Iron Mill with DRI Method 2 (Kosar)
Capacity of Project: 2 Million tons Sponge Iron yearly

Investment of Project: 71 Million €



The Zone's Development, Construction and **Management Company**

Golgohar Sharehold	The percentage of shares
Golgohar Mining & Industrial Co	16%



Sirjan Steel World Company

	<u> </u>	
Golgohar Sharehold		The percentage of shares
Golgohar Mining & Indust	rial Co	50.8%

Sponge Iron Mill with DRI Method 1

Capacity of Project: 1 Million tons Sponge Iron yearly

Investment of Project: 62 Million €



Nazmavaran Industry and Mining Golgohar Company

Golgohar Sharehold	The percentage of shares
Golgohar Mining & Industrial Co	13%



Golgohar Omran Atlas Company

Golgohar Sharehold	The percentage of shares
Golgohar Mining & Industrial Co	98%







2019 GOLGOHAR





National Iranian Copper Industries Co (NICICO) at a glance in 2018

94% annual return of company

%

Achieving an annual average return of 121% for shareholders since acceptance in Tehran Stock Exchange

The progress of more than 40% of Dareh Aloo Copper mine in 2018

The 4th rank of the best performace among the top 50 stock companies

600,000

Inauguration of Sulfuric Acid Plant at Sarcheshmeh Copper Complex with 600 Ktons per year capacity

66%

Positive efficiency of 1616 percent of the company shares over the past 12 years

247 thousand tons of cathodic copper production for the first time

298

Production of 298 thousand tons of copper content for the first time

Fulfillment of the annual sales plan with total sales of 100,000 Milliard rials in 2018

Riol

Achieving the highest historical market value of the company with 301.158 Milliard Rials





NICICO NATIONAL IRANIAN COPPER INDUSTRIES CO.





IMPASCO

The only Iran Governmental Mining Company

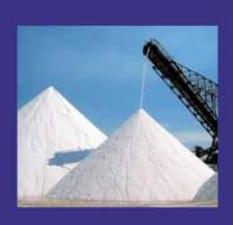
Exploration Extraction

to

Processing all Minerals including:

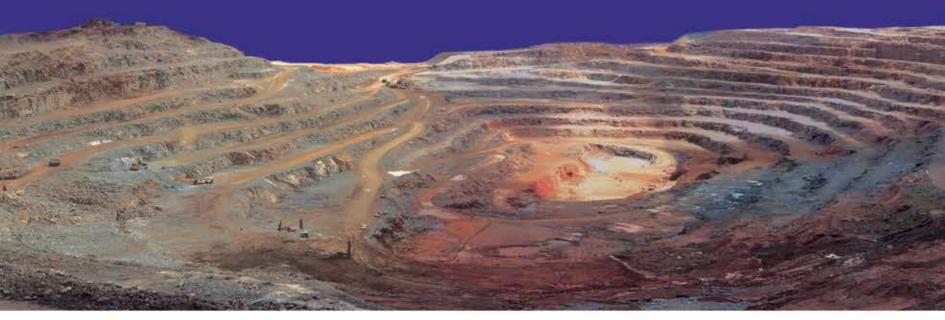
Metals
Non-metals
Rare Earth Elements
Brine (saltwater)

Prepared to absorb investors in giant Governmental Projects









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