

## MMTC-PAMP INDIA PVT LTD

### THE FIRST REFINER IN INDIA TO ISSUE LONDON GOOD DELIVERY GOLD BARS

Associated with  
**PAMP SA**  
Switzerland

**MMTC-PAMP India Pvt Ltd** operates a substantial gold refining and bar manufacturing plant on a 10-acre site in the Mewat district of Haryana State, 40 km south of New Delhi.

The company, which is headquartered in the Qutab Institutional area of New Delhi, is a private joint venture.

**MKS Holding BV**, which is affiliated to PAMP SA (Switzerland), owns 72%, **MMTC Limited** (India) 26% and an **MMTC employees entity** 2%.

#### ACCREDITATION

2014 London Bullion Market Association (LBMA)

It has manufactured London Good Delivery gold bars since May 2014 and London Good Delivery silver bars since October 2013.

#### Certification

2014 Certified Member of the Responsible Jewellery Council

2013 LBMA Responsible Gold Guidance

ISO 9001: 2008; ISO 14001: 2004; OHSAS 18001: 2007

#### RANGE OF GOLD BARS

The company, at this time, manufactures a standard range of 4 cast and 12 minted bar weights.

Cast: 400 oz, 1000 g, 100 g, 50 g

Minted: 1000 g, 500 g, 100 g, 50 g, 20 g, 10 g, 8 g, 5 g, 4 g, 2.5 g, 2 g, 1 g

The minted product capacity is two million pieces annually.

Customized bars, medallions and blanks are also manufactured for external entities. There is an in-house design studio and die-making facility, manned by technicians trained at the PAMP refinery in Switzerland.

#### BACKGROUND

The MMTC-PAMP joint venture, incorporated in 2008, commenced commercial operations in March 2012.

**PAMP SA**, founded in 1977, is a major international precious metal refiner and the world's largest manufacturer of minted gold bars. Based in south eastern Switzerland, it has been accredited to the London Bullion Market Association (LBMA) since 1987, and since 2004 has been one of only five appointed Referees to the London Good Delivery system.



The MMTC-PAMP refinery is located near New Delhi.



The company is the only refiner in India to manufacture London Good Delivery 400 oz bars.



A new brand of kilobar for the Indian gold market.



The company has been a subsidiary of MKS (Switzerland) SA since 1981. The MKS Group has representative offices in many countries, including Dubai, Turkey, China, Malaysia, Singapore, Thailand, Vietnam, Australia, USA and the Netherlands.

**MMTC Limited**, established in 1963, is India's largest international trading company, handling precious metals, minerals, non-ferrous metals, industrial raw materials, agricultural products, fertilizers, gems and jewellery. It is owned by the Indian Government as a Public Sector Undertaking (PSU) under the aegis of the Ministry of Commerce and Industry.

MMTC has been one of the top two importers and wholesalers of gold and silver bars into India. Headquartered in New Delhi, the company has offices transacting bullion throughout India. It has also operated its own minted bar and medallion production unit in New Delhi since 1994.

The MMTC-PAMP refinery treats mine doré (predominantly gold and silver) and jewellery manufacturer scrap. Gold refining is based on electrolysis. Annual gold refining capacity exceeds 100 tonnes.

The company's Assay Laboratory is highly sophisticated, manned and supervised by technicians trained at the PAMP refinery in Switzerland.

The company also manufactures silver bars: 30 kg and 1 kg (999 fine).

Number of employees: 258

Website: [www.mmtcpamp.com](http://www.mmtcpamp.com)

#### TECHNICAL DESCRIPTION

Weight	Type	Fineness	Shape	Dimensions mm	Serial Number System	First Issued
400 oz	Cast	995+, 999.9	Rectangular	250 x 80 x 40 230 x 62 (base)	6 numbers Plus year date	2013
1000 g	Cast	995	Rectangular	115.5 x 52.5 x 9.2	6 numbers	2012
100 g	Cast	995	Rectangular	44 x 27 x 5	6 numbers	2012
50 g	Cast	995	Rectangular	32.5 x 20 x 5	6 numbers	2012
1000 g	Minted	999.9	Rectangular	85.5 x 54 x 11.5	6 numbers	2012
500 g	Minted	999.9	Rectangular	85.5 x 54 x 5.84	6 numbers	2012
100 g	Minted	999.9	Rectangular	47 x 27 x 4.08	6 numbers	2012
50 g	Minted	999.9	Rectangular	47 x 27 x 2.13	6 numbers	2012
20 g	Minted	999.9	Rectangular	31 x 18 x 1.97	6 numbers	2012
10 g	Minted	999.9	Rectangular	25.5 x 15.5 x 1.3	6 numbers	2012
8 g	Minted	999.9	Rectangular	25.5 x 15.5 x 1.25	6 numbers	2012
5 g	Minted	999.9	Rectangular	23.3 x 14 x 0.83	6 numbers	2012
2.5 g	Minted	999.9	Rectangular	22.1 x 13.1 x 0.46	6 numbers	2012
1 g	Minted	999.9	Rectangular	14.7 x 8.9 x 0.85	6 numbers	2012
50 g	Minted	999.9	Round	40 x 2.04	6 numbers	2012
20 g	Minted	999.9	Round	28 x 1.85	6 numbers	2012
10 g	Minted	999.9	Round	22 x 1.65	6 numbers	2012
8 g	Minted	999.9	Round	22 x 1.35	6 numbers	2012
5 g	Minted	999.9	Round	18 x 1.20	6 numbers	2012
4 g	Minted	999.9	Round	18 x 1.00	6 numbers	2012
2.5 g	Minted	999.9	Round	16 x 0.82	6 numbers	2012
2 g	Minted	999.9	Round	16 x 0.66	6 numbers	2012
1 g	Minted	999.9	Round	13.92 x 0.5	6 numbers	2012

Source: MMTC-PAMP India Pvt Ltd. \*Cast bar dimensions are approximate.



MMTC-PAMP has the capacity to produce in excess of two million minted bars and medallions each year.



Gold refining is based on electrolysis.



EXAMPLES OF GOLD BARS



London Good Delivery 400 oz bar

OFFICIAL STAMP



Applied to cast and minted bars since 2012.





1000 g



100 g



An automated unit stamps kilobars with the company's official stamp and other markings.





100 g

50 g



20 g



10 g

Drawings

**LOTUS**



The "Lotus" motif, which depicts a pair of hands holding a lotus flower, is applied to the reverse side of minted bars.

The motif is a potent symbol of purity and transcendence.



**SOVEREIGNS**

MMTC-PAMP has minted, under licence from The Royal Mint in England, gold sovereigns since 2013 and gold half-sovereigns since 2014.

**Technical Description**

Category	Sovereign	Half-Sovereign
Weight	7.98805 g	3.994 g
Fine Gold Content	7.3223 g	3.661 g
Fineness	916.7 – 22 carat	916.7 - 22 carat
Dimensions - mm	22.05 x 2	19.30 x 1.24
Obverse	Queen Elizabeth II	Queen Elizabeth II
Reverse	St George and the Dragon	St George and the Dragon
Mintmark	"I" indicates the coin has been struck in India	"I" indicates the coin has been struck in India

**Packaging**

Each sovereign and half-sovereign is sealed within an individually numbered CertiPAMP card bearing the The Royal Mint certification of gold content and purity.

**Distribution**

MMTC-PAMP wholesales sovereigns to more than 140 retailers in India.



Sovereigns, minted for the Indian market by MMTC-PAMP, were launched in February 2013.



Mr Mehdi Barkhordar, Chairman of MMTC-PAMP, and Mr Adam Lawrence, Chief Executive of The Royal Mint, at the official launch.



A Certificate of Authenticity accompanies each sovereign.





Producing flat gold strips for use in the manufacture of minted bars.



MMTC-PAMP manufactures customized minted bars for external entities.



The refinery's 10-acre site is so large that a vegetable garden provides fresh produce for the staff canteen.

The company has also purchased another 10-acre site in front of the refinery to provide accommodation for its staff.





PAMP SA, headquartered in Switzerland, is a major precious metal refiner and bar manufacturer for the international market.



MMTC Limited, headquartered in New Delhi, is India's largest international trading company.

Over the past 20 years, it has been a major importer of gold bars for the Indian market.



Refer to disclaimer on website: [www.goldbarsworldwide.com](http://www.goldbarsworldwide.com)

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