Topworth Urja & Metals

Under Corporate Insolvency Resolution Process

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Summary

Topworth Urja & Metals Limited operates a strategically located **steel manufacturing** facility with a **captive coal block** in central India



Site Connectivity Close proximity to rail, road, and port



Raw Material Easy availability of key raw materials



Captive Coal Mine Geological reserves of 24.26 million tons



Captive Power Plant Capacity of 30 MW with grid connectivity

Legal Structure & Corporate Date

| Company Name: | Topworth Urja & Metals Limited |
|------------------------|---|
| Legal Structure: | Public incorporated company |
| Date of Incorporation: | 5 th November 1993 |
| CIN: | U27109MH1993PLC074950 |
| Authorised Capital: | INR 58,00,00,000 |
| Registered Office: | 308, Ceejay House, Dr. Annie Besant Road, Opposite Atria Mall, Worli, Mumbai – 400 018 |
| Plant Address: | Village Heti, Umred Road, Taluka Umrer, District Nagpur - 440001 |
| CIRP Details: | Insolvency commenced on 12 th August, 2022 as per order no. Company Petition No. (IB) 1807/MB/C-I/2018 |

Operating Facility

Existing facilities are spread across an area of approximately 60 acres with surplus land available for future expansion

| Facilities | Commissioning Year | Capacity |
|-----------------------------------|---------------------------|-------------|
| 2 X 100 TPD Sponge Iron Plant | 2003 | 66,000 TPA |
| 2 X 12 MT SMS Plant (IF) | September 2010 | 79,200 TPA |
| 1 X 12 MT SMS Plant (IF) | August 2017 | 39,600 TPA |
| TMT Bar Rolling Mill | June 2013 | 150,000 TPA |
| Captive Power Plant (WHRB + Coal) | June 2010 | 30 MW |

Plant Location

Existing facilities are spread across an area of approximately 60 acres with surplus land available for future expansion



| Description | Distance from Plant (km) |
|------------------------------------|--------------------------|
| State Highway (MSH-9) | 0.5 |
| Air Port – Nagpur | 44 |
| Nearest City – Nagpur | 35 |
| Nearest Railway Station – Butibori | 35 |

| Raw Material | Source | Distance from Plant (km) | |
|--------------|--|--------------------------|--|
| Iron Ore | NMDC*, Bailadila Mines (Chhattisgarh) | 600 | |
| Coal | WCL [^] Coal Mines | 35 | |
| Coal | Captive Coal Mine – "Marki Mangli – I" ¹ | 165 | |

Plant located at Village Heti, Nagpur, Maharashtra.

Capacity & Specifications

An overview of the capacity and specifications of the existing facilities

| Facilities | Capacity | Facility Description | Vendor | Specs | |
|-------------|-------------|--------------------------|----------------|---|--|
| Sponge Iron | | 2 X 100 TPD | BK Engineering | Kiln 42 Meters, 3 Meter Dia. | |
| | 66,000 TPA | WHR Boilers – 2 X 10 TPH | Thermax | 66 Atm. pressure, 495 Deg C WHR Boilers | |
| SMS (IF) 11 | | 3 X 12 T | Inductotherm | 12 MT Furnaces | |
| | 118,800 TPA | | EMCO | IF Transformer – 2 X 5 MVA | |
| Continuous | | | | 2-strand | |
| Casting | 158,400 TPA | 4 X 12 T | Concast | 6 x 11 mtr. radius billet caster | |
| | | | | | |

Capacity & Specifications

An overview of the capacity and specifications of the existing facilities

| Facilities | Capacity | Facility Description | Vendor | Specs |
|----------------|--------------------|-----------------------------|---|--|
| | | | | Re - heating Furnace (Top Fired) – 1 X25 TPH |
| Rolling Mill 3 | | TMT Bars – 8 mm to 32 mm | Technotherma | Roughing Mill – 2 Mill Strands, 460 mm, 18" |
| | 150,000 TPA | | Furnace | Intermediate Mill – 2 Mill Strands, 360 mm, |
| | | | Preet Machines | 14" & 4 Mill Strands, 310 mm, 12" |
| | | | | Continuous Finishing Mill – 6 Mill Strands, |
| | | | | 260mm, 10" |
| | | | Turbine - HTC, | 30000 KW, 3000 rpm, 11 KV, 0.8 pf (lag) |
| | | 1 X 30 MW | China | brushless type AC Generator |
| CPP 30 MW | 26 MW – Coal Based | Alternator – | 2 X 70 TPH,66 Atm. pressure, 495 Deg C AFBC | |
| | | Shandong Jinan, | Boilers | |
| | | 4 MW – WHRB Based | China. | 2 X 10 TPH,66 Atm. pressure, 495 Deg C WHR |
| | | | Thermax | Boilers |

TMT Rolling Mill

Commissioned in June 2013, TMT Bar Plant is a modern and fully automatic facility, manufacturing high strength TMT bars conforming to IS 1786 : 2008 standards

| Product Range - Fe 415, Fe 415-D, Fe 500, Fe 500-D, Fe550, Fe550–D Standard Length – 12 Mtrs.* | | | | | | | |
|---|---|---------------|---------------|--|--|--|--|
| Section / Size of TMT Bars | As per Indian Standard IS 1786 - 2008 TUML Standard | | | | | | |
| | Normal Wt. | Section Wt. | | | | | |
| | (Kg / Mtr.) (Kg / Mtr.) (Kg / Mtr.) | | | | | | |
| 8 mm | 0.395 | 0.367 - 0.423 | 0.375 - 0.395 | | | | |
| 10 mm | 0.617 | 0.574 - 0.660 | 0.580 - 0.600 | | | | |
| 12 mm | 0.888 | 0.844 - 0.932 | 0.850 - 0.880 | | | | |
| 16 mm | 1.58 | 1.501 - 1.659 | 1.510 - 1.580 | | | | |
| 20 mm | 2.47 | 2.396 - 2.544 | 2.410 - 2.470 | | | | |
| 25 mm | 3.85 | 3.735 - 3.965 | 3.750 - 3.885 | | | | |
| 28 mm | 4.83 | 4.685 - 4.975 | 4.73 - 4.83 | | | | |
| 32 mm | 6.31 | 6.120 - 6.500 | 6.135 - 6.350 | | | | |

Product Specifications - LODHA THERMEX TMT

*Any Other specific length as per Customer's Requirements

TMT Rolling Mill

Commissioned in June 2013, TMT Bar Plant is a modern and fully automatic facility, manufacturing high strength TMT bars conforming to IS 1786 : 2008 standards

Key Highlights of TMT Rolling Mill

Fully Automatic Rolling Mill

Manufactures High Strength Deformed Steel Bars and Wires for Concrete Reinforcements conforming to IS 1786 : 2008 for which they have been awarded the BIS License (No CM/L – 2812453)

Products further processed using the world renowned Thermex technology

Involves 3 stages of treatment – Quenching, Self – tempering and Atmospheric cooling for imparting superior strength and quality to the Ribbed bars

Quality Assurance Division governed by Skilled Metallurgist and Chemists

Fully equipped, to test various raw materials and products to ensure the desired quality parameters

Unique Product Properties - LODHA THERMEX TMT

Earthquake Resistant

Yield strength ranging from 450 N/mm2 to 600 N/mm2 ensuring product strength and ductility making it earthquake resistant

Corrosion Resistant

Controlled water cooling in manufacturing process prevents the formation of carbide and makes the product corrosion resistant

Strain Aging

Due to unique manufacturing process and chemical composition, products do not show tendency of embitterment either through welding or cold deformation of the welding joints.

Higher Bend Ability

Tough outer surface and soft core gives higher bend ability to products, making it ideal for construction

Fire Resistant - Due to Higher Thermal Stability

Excellent Weld Ability

Uniform Rib Pattern in Rebars

Ensures better strength than ordinary Rebars enabling the concrete structure generations of longevity

Plant Images

Chimney, ABC and Rotary Kiln



Waste Heat Recovery Boiler



Continuous Casting







11 KV Transformer



Thermex Quenching Technology



Rotary Kiln



Diesel Generator Set



18 Inch Rolling Mills



Rotary Cooler



GCT Tank



Finishing Mills



Existing Facilities

Good manufacturing infrastructure with a 30 MW captive power plant and captive coal mine allocated through auction process

| | Total land area (Freehold) available with TUML at Nagpur Plant is ~180 acres |
|------------------------------|---|
| Land | Out of the above, existing manufacturing facilities are constructed on a plot area of ~60 acres |
| | Balance land area of ~120 acres is available for future expansion projects |
| Captive Coal Mine | Ready to operate Coal Mine was allocated to TUML as per MOC's Vesting Order dated Sep 30, 2015. Mine has Geological Reserves of 24.26 Million Tons (OC -4.36 MT, UG -19.90 MT) of Coal Grade 'G13' Marki Mangli –I Coal Block is located in Wardha Valley Coalfields, Yavatmal District (Maharashtra). Mine is located at a distance of G165 km from TUML plant. |
| | distance of "165 km from TOIVIL plant. |
| Captive Power Plant | Captive Power plant with a generation capacity of 30 MW Out of the above 26 MW is Coal based and 4 MW is WHRB based 220 KV Grid connectivity to sell power to MSEDCL[^] and Open Access Consumers |
| | Plant is located in a key industrial Belt of Nagnur baying sufficient supply of skilled labour |
| Adequate Labour Availability | Proximity to other key Iron, Steel and Power plants like Uttam Galva Metallics (70 kms), Suflag Iron & Steel (70 kms), Reliance Power (30 kms) and Adani Power (120 kms) ensures adequate availability of both skilled and unskilled workforce and other industrial infrastructure |
| | |
| Adequate Water Availability | Water requirement is met from the Paradgaon Dam, ca. 3 kms from the plant Agreement with the Irrigation Department of Maharashtra Government, for drawing of 0.20 Million Cu. Mtr. of water per year |

^MSEDCL – Maharashtra State Electricity and Distribution Company Limited

Captive Coal Block

Operating captive coal block with geological reserves of ~24.26 million tons, the mine is allocated for a Specified End Use – DRI Plant : 66,000 TPA and 26 MW Coal Based Captive Power Plant at Nagpur

| Average Coal Grade to be extracted –G13 with GCV of 3000 kcal/kg Land Use Private Land Govt. Land Road Gaothar | Total | | | | |
|--|---|--|--|--|--|
| Average coal Grade to be extracted –G13 With GCV of 3000 kcal/kg | | | | | |
| Total Proven Coal Reserves 25.01 million tonnes Net Workable Reserves – 20.93 million tonnes Mineable Reserves – 20.64 million tonnes (OC – 3.71 million tonne, UG - 16.93 million tonne) Extractable Coal – 9.78 million tonne (OC – 2.88 million tonne, UG – 6.9 million tonne) | Net Geological Reserve – 24.26 million tonne (OC – 4.36 million tonne, UG – 19.90 million tonne) Net Workable Reserves – 20.93 million tonnes Mineable Reserves – 20.64 million tonnes (OC – 3.71 million tonne, UG -16.93 million tonne) Extractable Coal – 9.78 million tonne (OC – 2.88 million tonne, UG – 6.9 million tonne) Average Coal Grade to be extracted –G13' with GCV of 3000 kcal/kg | | | | |
| Operating Coal Block under the Previous Allottee Marki Mangli Mine – 1 was earlier allotted to B.S. Ispat for captive mining by Ministry of Coal as Mining Lease for an area of 731.42 Hectares was granted on 16/10/2009. Before de-allocation Million Tonne of coal from MM-I coal block. All the approvals and clearances obtained by previous allotee were transferred to TUML | Marki Mangli Mine – 1 was earlier allotted to B.S. Ispat for captive mining by Ministry of Coal as per order dated 24/04/2001 Mining Lease for an area of 731.42 Hectares was granted on 16/10/2009. Before de-allocation of mines, BS Ispat excavated 0.19 Million Tonne of coal from MM-I coal block. All the approvals and clearances obtained by previous allotee were transferred to TUML | | | | |
| Coal Block Allotted Under GOI Auction Process in 2015Topworth Urja & Metals became the successful bidder of Marki Mangli -1 Coal Block for INR GOI's coal auction process; MOC Vesting Order dated 30/09/2015TUML was also the previous allottee of Marki Mangli II, III & IV. Mine was operating for 4 year experience in coal mining in Wardha Valley and is well aware about geographyMarki Mangli – 1 coal block is located in Wardha Valley in Yavatmal district of Maharashtra. I State Highway (MSH-9), which is ~1 km from the coal block. | Topworth Urja & Metals became the successful bidder of Marki Mangli -1 Coal Block for INR 715/tonne for captive mining under GOI's coal auction process; MOC Vesting Order dated 30/09/2015 TUML was also the previous allottee of Marki Mangli II, III & IV. Mine was operating for 4 years under TUML so company has rich experience in coal mining in Wardha Valley and is well aware about geography Marki Mangli – 1 coal block is located in Wardha Valley in Yavatmal district of Maharashtra. Nearest highway is Nagpur – Umred State Highway (MSH-9), which is ~1 km from the coal block. | | | | |

of Mining Lease

Captive Coal Block

TUML Plant is ~165 km from MM-1 Coal Block. Wani (Industrial Town), ~35 km South of Mine (130 km from Nagpur)



| Description | Distance from Mine |
|--|--------------------|
| Nearest Highway Nagpur – Umred State Highway (MSH-9) | 1 |
| Air Port – Nagpur | 200 |
| Nearest Town – Wani (South of Wani) | 35 |
| Nearest Rail Head Kayar on Butibori-Wani–Nanded Rail Sector | 26 |
| Distance from TUML Plant (Village Heti, Umred Road, Nagpur) | 165 |

in kms

| | Utilities |
|-------|---|
| | 11 KV Rural feeder of MSEB |
| Power | DG Set of 5.5 KVA |
| | 100 KVA Transformer |
| Water | Underground water through bore wells & mine |
| | discharge water |

Captive Coal Block

















Current Performance

The production and capacity utilization numbers of the plants

| Capacity | | Production | | |
|------------------|----------|-------------|-----------|-----------|
| | | FY2020 | FY2021 | FY2022 |
| Sponge Iron (MT) | 66,000 | 69,849.42 | 44,329.00 | 27,965.16 |
| Billet (MT) | 1,18,800 | 97,513.36 | 57,129.52 | 12,618.88 |
| TMT Bar (MT) | 1,50,000 | 1,01,131.18 | 46,519.46 | 10,774.93 |
| Power (MWh) | 2,62,800 | 1,91,388.97 | 85,940.97 | 19,734.40 |

| | Capacity Utilization | | |
|-------------|----------------------|--------|--------|
| | FY2020 | FY2021 | FY2022 |
| Facilities | % | % | % |
| Sponge Iron | 105.83% | 63.46% | 63.09% |
| Billet | 82.08% | 58.59% | 22.09% |
| TMT Bar | 67.42% | 46.00% | 23.16% |
| Power | 72.83% | 44.90% | 22.96% |

Source: Company Information