

## ❖ COMPANY PROFILE

Year 1973 saw the inception of UGI Engineering Works Private Limited which stands upright as the preferred manufacturer-exporter-service provider and supplier of a gamut of different types of hot rolling mill- TMT Mill, Wire Rod Mill, Section Mills, Gear Box and Industrial Equipments for Steel, Sugar, and Cement Industry. Providing hot rolling mill as per the industry laid standards of quality, the hot rolling mills of the company are manufactured using latest technology. The company is a partnership firm under the inspiring mentorship of P. C. Kapoor and his son Vishal Kapoor, having vast experience, constant motivation and his support have helped in carving a unique niche in this domain.

UGI undertakes the supply of Rolling Mills of 20,000 - 6,00,000 tonnes per annum capacity on turnkey basis - from conception of commissioning - to suit the specific needs of the customers. UGI design the plant on the basis of tonnage output and product mix desired, size and type of input material and the extent of automation required by the customer, be it a Wire Rod, Bar Mill or Section Mill.

UGI has technical collaboration with SEAD Steel, Turkey to manufacture Rolling Mill Machinery to produce TMT of 2,50,000 - 6,00,000 tonnes per annum capacity. The technique used for production of these high production machines is called 'Slit Technology', a proven process in European countries but a new concept in India. The collaboration includes technical backup for manufacturing, erection and commission and achieving the target production of the designed mill. The company lay special emphasis on Specific Fuel and Power Consumption and ensure environment friendly, pollution-free facilities.

Proposals issued by the company are cost effective with reasonably short payback and attractive ROI (Return On Investment), thus helping the rolling mills to attain better quality standards with higher productivity and reduced cost of production.

### The Art of Designing

UGI possess a bunch of qualified and experienced Engineers, AutoCAD/ Mechanical Draftsmen, Production & Inspection Team who all merge forward with preparation of layouts and drawings with most optimum calculations and conforming to strict quality standards.

Starting with the requirements based on production rate & size, calculations are done. If the total plant is required or either a single machine is required, then taking into consideration, rest of the equipment(s) with which the proposed equipments is to be installed, the design is made which is best suited to the current requirements and technology and not according to the existing old age designs.

### Technical Know-How

UGI Engineering serves rolling mills to adopt European Technology (Collaboration with SEAD Steel Technology, Turkey) with higher productivity reducing cost of production. Here along, the company provides a wide connotation as much as technology is concerned. These are:

- UGI, designs complete turnkey solution for Hot Rolling Mills for TMT, Sections, Wire Rod and Sections Mill.
- SEAD design, Turkey for the design and engineering of projects and equipment for rolling mills up to 600,000 tpa.
- Tempcore Technology for TMT bars through the authorised representative in India of CRM Belgium, the controlling authority for **Tempcore** brand of high yield strength weldable concrete reinforcing bars from mild steel.

**TMT MILL****WIRE ROD MILL****SECTION MILL****STRIP MILL**

- UGI Consultancy Services division also undertakes technology upgradation and modernisation of existing mills covered by productivity, better quality; UGI covers vast product ranges of for higher up to 750 mm rolling mill fuel and with desired automation and robotics. Plants power efficiency and reduction in environment pollution.
- UGI also take up engineering job work as per customer's drawings and specifications to utilise spare machining capacity.
- Installation of individual new mills and production lines for stand-alone Greenfield sites.
- Professional excellence and commitment to work safety, the integration of sustainable-development principles during process design.
- UGI has a strong team of technical personnel and it is associated with reputed Consultancy Organisations to provide total engineering support.
- UGI takes up modernisation, revamping and refurbishing of existing mills.

## Production Services

UGI own a series of machineries including horizontal boring machines, floor type boring machines, gear hobbing machine, VTL's, center lathes, planning machines and plano milling machines with facing/grinding/shaping/radial drilling and slotting machines etc.



Additional equipments available are MIG welding, ARC welding sets (air cooled), gas cutting sets, profile cutter, hack-saw machines, mobile crane (10 MT), and complete testing & measuring facilities.

## After Sales Service

UGI has an expert technical team having cosmic experience to correct the troubles arising out of UGI supply machines/plants. The company provides complete backup for smooth & proficient working of plant & machinery supplied by us.

## Quality Policy

UGI Engineering takes upon projects standing high as a symbol of best quality and state-of-the-art technology. Satisfaction is guaranteed to customers through best quality control and timely deliveries. The company provides uniform quality products by observing standard work practices, and through constant training and education of its workforce. With defect reduction to achieve 'minimum rejection' levels, quality for SM is a continuous process in improvement. UGI offers 5 years warranty for their products in place of normal 1 year warranty available in the industry.

## Emergency Service

UGI provides a set of emergency services as well, for which relevant details will have to be furnished by the concerned unit in advance. These include:

- Plant & Machinery breakdown handling services on call round the clock.
- Arrangement for spares to handle the breakdown in shortest possible time.
- Preparation of assemblies for breakdown handling in rolling mills.



## UGI Consultancy

Finally, UGI provides effectuate consultancy services to clients for successful layout of plant. The services include:

- **Feasibility Study and Project Reports:** The feasibility study being the preliminary study is exercised to determine the viability of a project. If the project for steel plant construction is feasible, preparation of the project report is done in a structured and logical format.
- **Equipment Designs and Production Drawings:** Turnkey steel re-rolling plant has been involved in new equipment design and development of custom built plant and process.
- **Complete Integration:** Integration is a process of combining or accumulating. When it comes to complete integration in our steel plants, our vast capabilities enable us to design any sized plant, build it, disassemble it and ship it directly to client's site.
- **Expansion/Modernization for increasing the Capacity:**  
The expansion and modernization program continues even after the final execution of the project.
- **Turnkey Erection and Commissioning:** It depends on the clients recommendations and according to it erection or commissioning is being done. Also trial run & establishing rated production are carried out.
- **Personnel Training:** The efficiency of our turnkey steel projects can be vastly accelerated by training the employees towards their respective projects.
- **Successful Running:** Along with installation and designing of plants we are also responsible for successful running of the plant for specific periods.
- **Supervision:** UGI have group of experts who are constantly supervising every phase and module of turnkey steel plants so that end result will meet with the client's expectation.
- **Equipment Servicing:** Servicing of various tools and equipments are performed being used in steel plants from initialization phase to completion phase.
- **Development of Spares:** Indigenous development of spares etc. by design & proper selection of materials is exercised.
- **Waste Management:** Effective care in waste management is also carried out.