

**آریا ترانسفو قدرت**  
**ARYA TRANSFO GHODRAT**

## Power transformer tanks



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### Arya Transfo Ghodrat Co. in brief

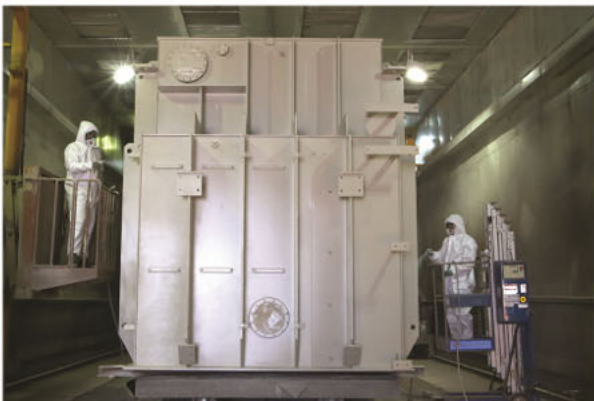
Arya Transfo is a newly built manufacturing plant that manufactures high quality oil-immersed power transformers. The range of products in terms of voltage and power rating for power transformers are up to 420 kV and 550 MVA.

### Tank and Iron parts Facility

We have fabrication capacity up to 550 MVA transformer tanks. Power transformer's tanks are designed and constructed in conventional or bell type form. Tanks are fabricated from low carbon M.S. sheets of best quality processed by qualified welders and dye penetration (DP) test assured 100% leak proof. For precise steel cutting a CNC LASER cut machine is employed in our workshop.



As our default, the inner surfaces of tanks, piping and flanges also coated with special oil and heat resistant varnish with the thickness of min. 30 microns and the outer surface coating is three-layer polyurethane paint performed through airless spray with the total thickness of 240 microns, however other paint systems are also applicable upon request.



The surface treatment of raw materials in initial stage as well as semi-completed tanks are carried out by shot blasting process.

The cabinet shot blast for semi-completed tanks supported by Germany manufacturer Wheelabrator AG with 8m length, 3.5 m width and 4.5m height overall dimension. Tanks with weight up to 30 MT could be processed in the tank shop.



The tanks are also designed and produced to withstand the vacuum and pressure test as per IEC60076 standard. We in ARYA TRANSFO GHODRAT Co. tank shop are ready to manufacture full vacuum / leak proof transformer tanks with complete accessories like domes, turrets, cable boxes conservators and relevant piping based on design of our clients and on the other hand our team is ready to supply design as well as production services for our valuable customers. In case of design by us some information like the fixing points of active part, cooling system and other accessories to be installed shall be clarified. Also it is possible to provide magnetic shields for reduction of load losses on tank walls.

As we deliver the tanks in sealed form, the required oil resistant NBR gaskets is supplied with the tank.

