



TURBOIN TECHMECH PVT. LTD.

CIN : U29199GJ2005PTC45573

Established in 2005



Business Segments :

Automation System

Skid ,instrument frames
,Dosing systems for OIL &
GAS & chemical sector

Turbo Charger System

For Captive power plant,
Marine , Traction and other
usage

Service Portfolio Expansion with Existing Capabilities

Development of Import
Components Substitutes &
others
VALVES SUPPLY & SERVICES

Sales & Marketing of OEM Products

Static Charge Removal System
for Loading/unloading
applications and trading
of O&G instruments



DOSING SYSTEMS FOR CORROSION INHIBITOR CHEMICAL INJECTION SKID FOR PIPELINE DIVISION



Design, Fabrication, Supply, Installation, Erection and Commissioning

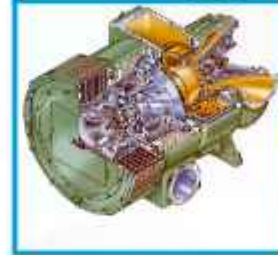
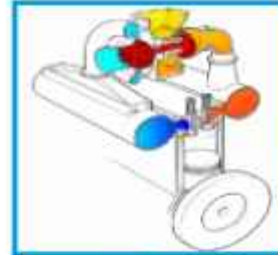
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Dist. Vadodara - 391 760, Gujarat, India.**

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Turbo Charger System - Valves - Service & Training

- TEAM OF TURBO ENGINEERS WITH 20 - 30 YEARS EXPERIENCE
- TRAINED AT PBS turbo -CZECH REPUBLIC, ABB SWITZERLAND & NAPIER - UK
- Field Service , Repair and Spare supply.
- Annual Maintenance contract with Engine Builders and Actual Users
- Retrofitting of Turbochargers according to Engine Builder requirements
- Dynamic balancing of HRM Equipments including Gas Turbine , Steam Turbine etc.
- Technical Consultancy for Turbo charging aspects for Engine re powering.
- Training to Actual users for O & M aspects.
- Annual Rate Contract with IOCL Pipeline Division since 2005



- 10% of Engine Cost
- 75% of Engine Power



O & M Training for Turbocharger



Valves

- **Total solution for all valves & pumps and piping networks**
 - Complete manufacturing, supply and testing of various piping and accessories at site
 - **Field service**, repair and supply of all valves and fittings
 - **Technical consultancy** for all type of valves and pumps
- **Aviation fuel supply system at various airports** through IOCL, BPCL & Chemical & Petrochemical Organization
 - Undertaking complete supply & service of special fuel system and valves
- **Qualified welders and fitters** duly approved by oil and gas sector customer
 - **NDT (Non-destructive testing)** as per customer requirements
 - QA
 - Third party inspection and approval



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Subject: : **INTRODUCTION – ABOUT US**

Dear Sir,

We would like to introduce our selves as TURBOCHARGER ENGINEERING firm for Turbo charging and support in up keeping Exhaust Gas turbochargers mounted on DG SETS. We represent , Turbo blower service ,BV, Turbo spares BV , Netherlands for Sales , Service , Repair and entire range of their products in India. We are in the filed of Turbocharger and Captive power plant for more than 30 years in Indian subcontinent. . WE ARE OEM SUPPLIER of TURBOCHARGER FOR GE JJS / CLARKE ENERGY ENGINE FOR TURBOHARGER AND SPARES. We also supply spares for turbocharger mounted on DUETZ engine.& Rolls Royce Engine.

We are please to introduce in brief as under :

1. We are the Engineering firm in the field of Captive power plant ,& Turbo charging , Technical services , Supply management, Technical valuation and Chartered engineers for serving various industries & government organization .
2. **Team of Trained and Experienced technical persons for CPP.**
3. **Manufacturing and supply of turbochargers.**
4. **Sales and Repair of ALL TYPE of Turbochargers .**
5. **Repair workshop with Dynamic balancing of Turbocharger and Turbine rotors**
6. **In the Filed of SUPPLY OF ALL TYPE OF VALVES and servicing in Process ind.**
7. **Supply of all Engineering goods and other equipments for Projects.**
8. **Fabrication at Site , pipelines, at workshop according to the drawing .**
9. **Fabrication of Tray Support for cable tray and similar structures.**
10. **Fabrication, supply of MEASURING SKID including all type of valves, measuring instruments with hydro test.**
11. **AMC WITH INDIAN OIL CORPORTION LTD SINCE LAST 5 YEARS.**

Our prime activities are as under :

Scope of Work

- Servicing , overhauling & maintenance of Exhaust Gas Turbochargers
- Supply of Spares
- Supply of All type of valves, Gaskets , repair and maintenance of the same
- Fabrication job of various type including incite welding at site

Our Strength :

1. Repair Workshop equipped with Dynamic Balancing M/c & all type of special equipments, tools & instruments . For further details pl refer Annexure 1.
2. Qualification, experience . (ref. Annexure 2)
3. Providing Technical after Sales Services having Practical Experience of more than 20 years in the field of Turbochargers.
4. List of customer (on request) pl refer separate enclosure

.Awaiting for your positive response with acknowledgement of this communication.

With Best Regards

For Turboin Techmech Pvt. Ltd.

(Hemang Shah)
(Director)

INFRASTRUCTURES FOR TURBO REPAIR WORKSHOP EQUIPMENTS ;

- **DYNAMIC BALANCING M/C**

With hard bearings for handling rotor up to the capacity of 1ton .
With Belt as well as End drive .
Accuracy: up to 0.2 gmm of residual unbalance.

- **ABBRASIVE (GLASS BEED) CLEANING M/C.**

Specially developed to suit cleaning of rotor & other components of Exhaust Gas Turbochargers .

- **Other special purpose m/cs at associate workshop**

Special purpose grinding m/c with bed height of 300 mm. It is also use for crank shaft grinding with a accuracy of five microns.

- Hydraulic Presses
- Honing machine
- Lapping machine
- Internal boring m/c.
- General purpose Lathes.
- **Measuring Instruments.**

All purpose dial gauges, bore gauges , vernier calipers , depth gauges , micrometer screw gauges , internal micrometers , etc all special purpose measurements.

- **Lifting devices : up to 3 ton capacity.**
- **Metalizing & rebuilding infrastructure :**

A complete, separate workshop >approved by CASTOLIN U.K.– L & T –Eutectic division. Trained & experienced vendor with established process for rebuilding Turbocharger components from last 8-10 years.

- **Technical staff & workmen :** Trained & Experienced hands handling various DIESEL ENGINE REPOWERING activities from many years.

Measuring Instruments & Equipments :

0-1000 mm vernier caliper, Digital Micrometers (0-125 mm) , Bore gauge with 1 micron accuracy, Inside micro-meters , Dial gauge of 1 micron LC, ETC. Special purpose Jigs and fixture, Oxy – Acetylene set , Welding machines, tools & tackles for Fabrications etc

ANNEXURE 2
EXPERIENCE & QUALIFICATION
1. HEMANG M. SHAH (DIRECTOR)
QUALIFICATION:

YEAR	DEGREE/CERTIFICATE	CLASS	INSTITUTION
1982	Bachelor of Engineering (Mechanical), B.E. (MECH.)	First with Distinction	M.S. University of Baroda
1984	PGD in Marketing & Sales Management	First	Bhartiya Vidya Bhavan's Institution of Management
2000	Chartered Engineer		The institution of Engineers (India)
2002	Valuer (Machinery & Plant)	Mechanical	Institute of Valuer

. EXPERIENCE :

The following are the milestones in the Business Area of Turbo charging with the world Leader of manufacturer ASEA BROWN BOVERI LTD. (ABB) .

YEAR	NATURE OF JOB /KEY ACTIVITIES
1983	Joined in Corporate Development Division – Turbocharger of Hindustan Brown Boveri ltd. (now ABB LTD.) as a trainee engineer.
1984-1985	Under Technical Department : Indigenous (local) development of TEST RIG for testing of various models of Exhaust Gas Turbochargers simulation the hot test run by Exhaust Gas to test at rated speed of turbocharger up to 58000 rpm. Test facilities are duly approved by LRS, IRS , RDSO etc. Testing experience of more than 700 units of Turbochargers
1986-1987	Application Engineering for Optimum matching of BBC exhaust Gas turbocharger for Local Diesel Engine Builders. Working out specifications of Gas Turbine & Compressor for optimum Matching with Engine performance
1988-1990	Marketing & Sales of Turbochargers & spares in various market segments i.e. Marine – for Indian Shipping cos, Port Trusts & Ship Builders , Diesel Power Plants i.e Captive power plant for Actual users & Engine builders , For Indian Railways – Traction application
1991-1992	Technical After Sales support for all range of turbochargers for all installations in India. Development of Infrastructures for Service stations & Salvaging techniques for various Exhaust Gas Turbochargers . Approval obtain from IHI – JAPAN & ABB for authorized service station. Exposure & Training at ABB – Switzerland , ABB – U.K. , & ABB – Rotterdam facilities
1993	Representing ABB India in World wide meet at Switzerland. Approval for key Business Processes & Quality Standard as per ISO 9001 standard from TUV – Germany.

1996-1998	Expansion of Marketing & Service network in Neighboring countries i.e. Srilanka , Bangladesh, Maldives & Nepal. Conducting /organizing Asia Pacific Regional countries meet of ABB Turbocharger world wide in India with ABB Switzerland
1999-2001	In charge of Business Unit for Diesel Power Plant Sector for all customers in INDIA , NEPAL,BANGLADESH , MALDEEV & SRILANKA. Head of Technical After Sales Service support & leading team of Managers, Senior Engineers, Field Engineers spaded over the country
2001 onwards	Representing PBS TURBO S.R.O – Czech Republic 9 div. of MAN TURBO-GERMANY IN India for their entire range of turbochargers for Sales , Service and Repair . Authorized Agent and Workshop Representing MSV (TURBOBLOWER) , Netherlands in India , Nepal , Bangladesh Srilanka and Maldives. . Turbo charging and retrofitting of Diesel Engine . AND GAS ENGINE TURBO Dynamic balancing of H R M Rotors and associated repairs. Etc.

TYPE OF JOBS AT FIELD WORK and SUPPLY OF MATERIALS.

#	Description	Remark
1	Service , maintenance , repair of ALL TYPE OF VLAVES	FOR
	From ½ “ to 22 “ and above or an y large size with Low and	Various
	High pressure valves repair	Refinery &
2	Supply of all type of Gaskets , flanges with for High temp. up to 725 degree C and even for Cryogenic application	Petrochemical
3	Supply of All type of Valves including High temp. / High pressure valves of all type.	complex
4	Complete Retrofitting of High pressure & temp valves with Hydraulic pressure testing	Process industries
5	Supply of various type of Measuring instruments	
6	Servicing of Compressor rotor ,Steam turbine rotor including Dynamic balancing on SCHENCK Balancing machine	
7	Fabrication of tanks, pressure vessel and equipment, tray support , Instrument skid etc.	

ANNUAL MAINTENACE CONTRACT & Shutdown Job

#	Description	Remark
1	For all type of Turbochargers, & Valves	
2	Undertaking Shutdown jobs for mechanical maintenance	