

**INSPECTION & TESTING ENGINEERS
NOIDA**

Quality Commitment Integrity



PROFILE



INSPECTION & TESTING ENGINEERS

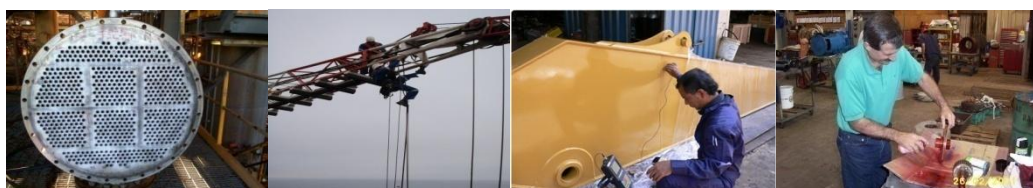
Established in 1997, Inspection & Testing Engineers has developed a fine-tuned and successful synergy between innovative technical solutions and quality assurance, resulting in new dimensions in the domain of Non Destructive Testing.

ITE is managed under the guidance of **Mr. A. K. Pawar, Ex. Scientific Officer, Nuclear Power Corporation of India Limited**. He brings with him an experience of more than 30 years in Quality Assurance / Quality Control activities.

ITE is an ISO 9001:2008 certified organisation & is proud of its strong client focus and long term relationships. In the year 2013, ITE received NABL accreditation in the domain of Mechanical & Chemical Testing

Our aim is to work with our clients, embracing their quality policy and strategy to deliver services and products that convey their key messages and values in a diverse and impactful manner.

Attention to details and quality of work, paired with years of industry experience, make us perfect choice to partner with to produce outstanding services and products.



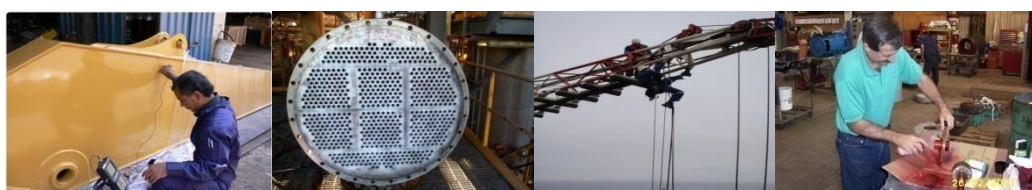


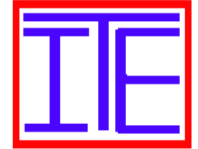
IMPORTANT DETAILS

Type of Organization	Partnership, Registration No. 19743 (M) Dt. 25/07/97
Managed By	Ashok Kumar Pawar, Ex. Scientific Officer (NPCIL)
SSI Registration	Entrepreneur's Memorandum No.: 09-010-22-05422-Part-2
PF Code No.	40358/SRO/MR/Coverage/UP/MT/27468
PAN No.	AAA FI4519 G
Service Tax No.	AAA FI4519 G SD002
ESI Code No.	21-35052-101
Services Offered	
Non Destructive Testing	<ul style="list-style-type: none">• Ultrasonic testing services<ul style="list-style-type: none">▪ Ultrasonic flaw detection▪ Ultrasonic thickness measurement▪ Determination of physical properties of materials.• Radiography testing (X-ray/Gamma ray)• Magnetic particle testing services• Dye/Liquid penetrant testing services• Positive Material Identification (PMI)• Helium Leak testing services• Visual inspection• In situ hardness measurement• Oxide Scale Measurement
Inspection Services/ Welding Consultation	<ul style="list-style-type: none">• Third party inspection services• Preparation of Quality assurance plan• Preparation of WPS, PQR, WQR.• Witnessing of welder qualification• Health assessment of installations• ASNT Level III services• Training and certifications for NDT• Remnant Life Assessment (RLA)



Services offered	
Destructive Testing	<ul style="list-style-type: none"> • Tensile test • Bend test • Impact test • Hardness test • Chemical / Spectro analysis • Determination of mechanical / physical properties like Young's modulus, Poisson's ratio, shear modulus, etc.
Heat treatment	<ul style="list-style-type: none"> • Pre heating • Post welding heat treatment • Normalizing • Annealing • Stress relieving, etc.





OBJECTIVES

- Help Industry to achieve International Quality Standards.
- Control plant failures and to save human lives.
- Ensure quality during production / fabrication.
- To assess predictive / preventive maintenance requirement in production units by carrying out on Process Audits.
- Material evaluation of Salvaged equipment for alternate use.
- Prevention of accidents thereby saving valuable human life and machinery.
- Minimize manufacturing cost / weight.
- Control manufacturing process.
- Help in better product design.
- To ensure customer satisfaction

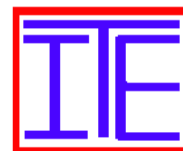




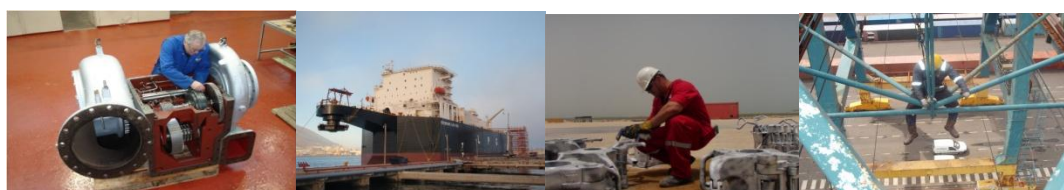
ESTEEMED CLIENTS

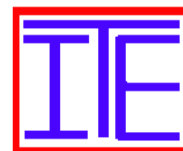
- M/s Indian Oil Corporation Ltd. (IOCL).
- M/s Indian Farmers & Fertilizers Cooperative Ltd. (IFFCO).
- M/s Bharat Heavy Electricals. (BHEL).
- M/s National Fertilizer Ltd. (NFL).
- M/s Delhi Metro Rail Corporation. (DMRC).
- M/s Chennai Metro Rail Ltd. (CMRL).
- M/s Mumbai Metro Rail Corporation.
- M/s Bangalore Metro Rail Corporation.
- M/s Jaipur Metro Rail Corporation.
- M/s Indian Ordnance Factory
- M/s National Highway Authority of India. (NHAI).
- M/s Bihar Rajya Pul Nirman Nigam Ltd.
- M/s TATA Chemicals Ltd.
- M/s Ahluwalia Construction Ltd.
- M/s Hindustan Petroleum Corporation Ltd.(HPCL).
- M/s International Metro Civil Contractors.
- M/s Ambuja Cement
- M/s ACC Limited
- M/s Binani Cement
- M/s L&T Ltd.
- M/s ARTSON Engineering Ltd.
- M/s Malana Power Company Ltd.
- M/s Punj Lloyd Ltd.
- M/s Nagarjuna Construction Company Ltd.
- M/s ERA Infra.
- M/s Jaiprakash Associates Ltd.
- M/s Indraprasth Power Generation Company Ltd.
- M/s IDEB Project Pvt. Ltd.
- M/s Gammon India Ltd.
- M/s Tantia Construction Company.
- M/s Angelique International Ltd.





- M/s Delhi Jal Board
- M/s Honda Seil
- M/s Technip KTI
- M/s Multitex Filtration Engineers Ltd.
- M/s Interarch Building Products Pvt. Ltd.
- M/s Satluj Jal Vidyut Nigam
- M/s United Electric Co. Delhi Pvt. Ltd., etc.
- M/s Hindustan Zinc Ltd.
- M/s Northern Railway's ROB Projects.
- M/s Heidelberg Cement Limited.
- M/s Aditya Birla Group
- M/s Ultratech Cement Limited, **to name a few.**

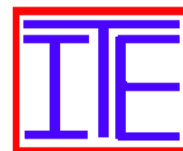




ENLISTMENTS

- M/s Indian Oil Corporation Limited.
- M/s Bharat Heavy Electrical Limited.
- M/s Delhi Metro Rail Corporation Ltd.
- M/s Larsen & Toubro Limited.
- M/s Engineers India Limited (EIL).
- M/s Punj Lloyd.
- M/s Projects Development India Limited.
- M/s National Fertilizers Limited.
- M/s Indian Farmers Fertilizers Co-operative.
- M/s ARTSON
- M/s MEL
- M/s NEWTON
- M/s UBL
- M/s Tata Chemicals Limited
- M/s SPICJEL
- M/s PDIL
- M/s Bharat Petroleum Corporation Limited





NON DESTRUCTIVE TESTING DIVISION



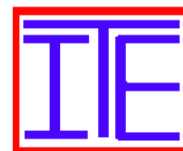
This division is involved in providing services like NDT, Heat treatment, Welding consultation and other services.



SERVICES OFFERED

- Gamma Radiography for (10mm – 60mm) section of steel.
- X- Rays Radiography less than 10 mm section of steel.
- Dye penetrant test of welds.
- Magnetic particle test (Dry, wet and fluorescent) for surface \ sub surface defects on ferrous material.
- Ultrasonic weld inspection / UT flaw detection by computer – aided documentation and data recording machines of Krautkramer make.
- Comprehensive UT thickness survey.
- In-situ Hardness measurement.
- Health Assessment of components like rotor, turbines, boilers, vessels and other critical items
- NDT inspection & certification of LPG Horton spheres/ bullets, pressure vessels and tanks etc. carried out for NFL, IOCL, PDIL etc. as per SMPV(U) rules- 1981 PESO.
- End to end NDT survey / health survey of industrial installation.
- NDT inspection of steel structural fabrication jobs like Launching Girders, Columns, and OTE duct hangers etc.
- Vacuum box test.
- Visual inspection.
- Preheating and Post weld heat treatment.
- Welding Consultancy & related QA Services.
- Preparation of WPS, PQR, WQR, etc.
- ASNT Level III services.
- PMI Testing at site.
- In situ Metallography.





PERSONNEL DETAILS

S.N.	Name	Edu. Qual.	NDT Certification(s)	Exp.
1.	Mr. A. K. Pawar, Ex. Scientific Officer (NPCIL)	Mech. Engineer	BARC RT Level II (RSO) ASNT Level II (UT, RT, MT,PT)	35 Years
2.	Mr. Arun Pawar	B.Tech (E&C), MBA (IB)	BARC RT Level II (RSO), ASNT Level III (UT, RT, MT,ET,PT,LT, VT)	04 Years
3.	Mr. Ashok Kumar Ex. Scientific Officer "F" (NPCIL)	B.Tech (Mech.)	ASNT Level-II (UT, PT,RT,MT)	27 Years
4.	Mr. Zaffaruddin Ex. Scientific Officer "F" (NPCIL)	Mech. Engineer	ASNT Level-II (LT, PT,MT)	36 Years
5.	Mr. C. Awasthi	B.E. (Mech.)	ASNT Level-II (UT,LT, PT,MT)	36 Years
6.	Mr. Tara Chand	DME	BARC RT Level II (RSO), ASNT Level II (UT, PT, MT)	16 Years
7.	Mr. S.P.S. Raghuwanshi	DME	ASNT Level-II (UT, MT, PT)	30 Years
8.	Mr. Ajay Pal Singh	DME	ASNT Level -II (UT,MT,PT)	25 years
9.	Mr.Pankaj Niyolia	DME	BARC Level-II (RT) ASNT Level-II (UT,MT,RT ,PT)	06 Years
10.	Mr. Yatindra Singh	B.Sc	BARC Level-II (RT)	06 Years
11.	Mr. Abhishek Chauhan	DME	ASNT Level -II(UT,PT , MT)	04 Years
12.	Mr. Sandeep Negi	DME	BARC Level-I (RT) ASNT Level -II(RT,PT , MT)	05 Years
13.	Mr.Kuldeep Singh	DME	ASNT Level -II (UT,MT,PT)	05 Years
14.	Mr.Anurag	B.Tech	ASNT Level -II (UT,MT, PT)	01 Year
15.	Mr. Gopal	B. E.(Mech.)	ASNT Level -II (UT,MT ,PT)	06 Mon.
16.	Mr. Anup Sukla	B.Tech (Mech.)	ASNT Level -II (UT,MT, PT)	01 Years
17.	Mr. Vivek Sharma	DME	ASNT Level -II (UT,MT, PT)	01 Years
18.	Mr. Hem Kandpal	DME	ASNT Level -II(UT,PT , MT)	05 Years
19.	Mr. Akash Kaushik	B. Tech(Mech.)	Trainee	02 Mon.
20.	Ms. Vinya Vyas	B. Tech(Mech.)	Trainee	02 Mon.

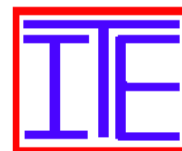




S.N.	Name	Edu. Qual.	NDT Certification(s)	Exp.
21.	Mr. Mukesh Kumar	B.Sc	ASNT Level –II(PT,UT,MT)	03 Years
22.	Mr. Sanjeev Jha	B.Sc.	ASNT Level -II(UT,PT , MT)	06 Years
23.	Mr.Vipin Kumar Saraswat	ITI	ASNT Level-II (MT,PT)	15 Years
24.	Mr. L.M.Choudhary	I. Sc.	BARC Level-I (RT)	8 Years
25.	Mr.Rajesh Kumar Saraswat	I.Sc.	BARC Level-I (RT) ASNT Level-II (RT , PT)	08 Years
26.	Mr. Sher Singh	I.Sc	BARC Level-I (RT) ASNT Level-II (UT,MT,PT)	16 Years
27.	Mr.Raju Kumar	I.Sc.	ASNT Level-II (RT,DPT)	06 Years
28.	Mr. Ravish Kumar	I. Sc.	ASNT Level -II (UT,MT,PT)	09 Years
29.	Mr. A.K Jha	I.Sc.	ASNT Level II (PT,MT)	15 Years
30.	Mr.Vipin Rai	I.Sc.	ASNT Level-II (MT,PT)	09 Years
31.	Mr. Chandrashekhar	I. Sc.	ASNT Level-II (RT, MT , PT)	05 Years
32.	Mr. R. P. Singh	I.Sc.	ASNT Level-II (RT , PT)	05 Years
33.	Mr. Ramesh Meena	I. Sc.	ASNT Level -II(UT,PT , MT)	06 Years
34.	Mr. Arun Kumar	I. Sc.	ASNT Level -II(UT,PT , MT)	04 Years
35.	Mr. Praveen Kumar	I. Sc.	ASNT Level -II(UT,PT , MT)	05 Years
36.	Mr. Bablu Singh	I. Sc.	ASNT Level -II (UT,MT, PT)	02 Years
37.	Mr. Murari	I. Sc.	ASNT Level -II (UT,MT, PT)	03 Years
38.	Mr. Ranjan	I. Sc.	ASNT Level -II (UT,MT, PT)	05 Years
39.	Mr. Pradeep Kumar	I. Sc.	BARC Level-I (RT) ASNT Level -II(RT,PT , MT)	02 Years
40.	Mr. Rakesh Kumar	I. Sc	BARC Level-I (RT) ASNT Level-II(PT,MT,UT,RT)	13 Years
41.	Mr. Ravish Singh	I. Sc.	ASNT Level -II (UT,MT , PT)	06 Years
42.	Mr Mangal Singh	I.Sc.	ASNT Level -II(UT,PT , MT)	10 Years

Note :- This list includes only some of our technical staff.



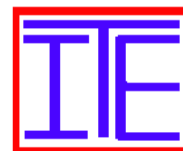


LIST OF EQUIPMENTS

S.N.	Description	Make & model	Quantity
1.	Ultrasonic Flaw Detector	KRAUTKRAMER, GERMANY MAKE UFD, MODEL USN 52R WITH COMPUTERIZED DATA RECORDING AND ANALYSIS SOFTWARE	01
		SONATEST, USA MAKE UFD, MODEL SITESCAN 140 WITH COMPUTERIZED DATA RECORDING AND ANALYSIS SOFTWARE.	01
		MODSONIC, INDIAN MAKE UFD, MODEL EINSTINE-II WITH COMPUTERIZED DATA RECORDING AND ANALYSIS SOFTWARE.	09
		EEC, INDIAN MAKE UFD, MODEL DS-322 WITH COMPUTERIZED DATA RECORDING AND ANALYSIS SOFTWARE.	01
		MODSONIC : MSL-32	01
2.	Radiography & X-Ray Equipments	BARC : ROLI-1	07
		SPEC-2T	01
		XXQ 2005 & 2505	02
		ALL RADIATION SAFETY TOOLS & EQUIPMENTS AS PER AERB & BARC REGULATIONS.	-
3.	Magnetic Particle Testing Equipments	MAGNAFLUX: Y-7	05
		PERMANENT YOKE TYPE	01
		EEC	02
		MAGNAFLUX: Prod/ Coil type	01
4.	Ultrasonic Thickness Gauges	KRAUTKRAMER	02
		MODSONIC : DTM-2	03
		EEC : ETM-1	01
		MODSONIC : EDISON -1	08



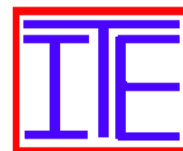
S.N.	Description	Make & model	Quantity
5.	Weld Leak Test Set Vacuum Boxes For Vacuum Pumps	ROYAL ELECTRIC	02
6.	Temperature Recorders	SITEX : 06 POINTS RECOL : 06 POINTS	08 06
7.	Temp. Control Panels	TEMCON-60	14
8.	Hardness Tester	DIGITAL INTEGRATED (TIME) DYNAMIC HARDNESS TESTER (Fasne) POLDY TYPE	01 02 04
9.	Mass Spectrometer Helium Leak Detector	ASM 142 Spray Sniffer HV Spray Gun Sniffer Probe Standard Calibration Leak	01 01 01 01
10.	Positive Material Identification	Bruker S1 TITAN SP	01
11.	Oxide Scale Measurement	Olympus 38 DL	02



ACTIVITIES IN PROCESS

S.N.	Description of Activity	Client
1.	Welding inspection (Ultrasonic testing, Dye Penetrant Testing, Visual Inspection) of steel structure.	M/s Ambience Group
2.	Thickness Gauging of pipeline	M/s National Fertilizers Ltd.
3.	PMI Testing, Ultrasonic testing, Radiography testing, Magnetic particle testing, Stress Relieving & Pre-Heating, etc.	M/s IOCL; M/s Newton Engineering & Chemicals Limited; M/s Larsen & Toubro Limited
4.	Third party inspection & NDT of steel structures like Launching girders, trusses, etc.	M/s Mumbai Metro Rail Corporation.
5.	Thickness Measurement, Radiography, Ultrasonic, Magnetic Particle, Dye-Penetrant & Hardness Testing of Various Equipments & Pipe Lines.	M/s ATV Projects
6.	Radiography / X-ray, Ultrasonic & MPI & Hardness Testing.	M/s Indcon Projects & Equipments Ltd.
7.	Radiography Testing, Heat Treatment, Ultrasonic Testing	M/s JPL
8.	Radiography / X-ray, Ultrasonic & MPI & Hardness Testing.	M/s Multitex Filtration Engg. Ltd.
9.	Radiography / X-ray, Ultrasonic	M/s Sai Sudhir Infrastructure Limited
10.	Third party inspection & NDT of steel structures like Launching girders, trusses, etc.	M/s L&T-ECC M/s Bridgecon India Ltd.
11.	Ultrasonic testing of cutting edge	M/s Gammon India Ltd.
13.	Third party inspection, dimension measurement & NDT of steel structures.	M/s ITD-ITDCEM(JV)
14.	Preparation of Welding Procedure Specification, Procedure Qualification Record and witnessing Welders' Qualification.	M/s ATEPL, and many more.

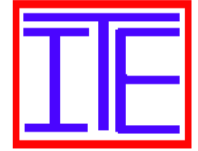




ACTIVITIES EXECUTED IN THE PAST

S.N.	Description of Activity	Client	Site
1.	Third party inspection including Visual Inspection, Dim. Checking, Radiography ,UT, MT, DPT, etc.	M/s Delhi Metro Rail Corporation	Various sites throughout Delhi
2.	Third Party Inspection of Launching Girder During Fabrication.	M/s Bridgecon India Ltd	M/s Bengaluru Metro Rail Corporation
3.	Third Party Inspection, MPI, DPT, UT Flaw Detection, Hardness, Vacuum Box Testing of 10,000 MT Atmospheric Ammonia	FACT Engineering & Design Organization	Kochi
4.	Visual Inspection, WFMPI, DPT, UT Thickness, UT Flaw Detection, Hardness, Hydro Test & Foundation Test of 1650 Cu. Mtrs. Capacity Ammonia Storage Horton Sphere.	M/s NFL- Nangal Unit, NayaNangal, Punjab	Naya Nangal, Punjab.
5.	Visual Inspection, WF MPI, DPT,UT Thickness, UT Flaw Detection, Hardness, Hydro Test & Pneumatic Test of 10 Ton Capacity LPG Bullet.	M/s NFL- Nangal Unit, NayaNangal, Punjab	Naya Nangal, Punjab.
6.	Visual Inspection, WF MPI, DPT, UT Thickness, UT Flaw Detection, Hardness of 1500 MT Ammonia Storage Horton Sphere.	M/s Tata Chemicals Ltd ,	Durga Chak, Midnapore (W.B)
7.	Visual Inspection , WFMPI, DPT,UT Thickness, UT Flaw Detection, Hardness, Vacuum Box Testing, Metallographic Test, Thermography for insulation for 3000 MT Atmospheric Ammonia Storage Tank.	M/s GSFC Ltd	Sikka Unit, Gujarat.
9.	Statutory NDT Inspection of LPG Bullets & Horton Spheres	M/s IOCL M/s BPCL	M/s IOCL, LPG bottling plant, Nabha & M/s BPCL LPG Bottling plant, Lalru, Punjab and Ajmer, Rajasthan.





S.N.	Description of Activity	Client	Site
10.	NDT inspection of 5000 MT Atmospheric Ammonia Storage Tank	M/s IFFCO	Phulpur Unit, Allahabad
11.	Radiographic Testing, Ultrasonic flaw detection, hardness testing, etc., of Pressure Vessels, Tanks Pipe lines from July 2004 onwards	M/s Multitex Filtration Engg. Ltd.	M/s MFEL, Greater Noida workshop.
12.	Radiographic Testing, Ultrasonic flaw detection, hardness testing, etc., of Pressure Vessels, Tanks Pipe lines from July 2005 onwards	M/s Indcon Projects & Equipments Ltd.	M/s IPEL, New Delhi
13.	Visual Inspection, WFMPI, DPT, UT Thickness, UT Flaw Detection of Turbine and accessories.	M/s DSCL Energy Services, Delhi.	Thermal Power Station, Mau
14.	Pre-Heating & stress Relieving of weld joints	M/s Oriental Structural Engineers (Pvt.) Ltd.	Bharatpur, Rajasthan
15.	Visual Inspection, Ultrasonic Testing, Dye Penetrant Testing & Pre-Heating of Launching Girders	M/s Afcons Infrastructures M/s Bridgecon M/s IJM M/s Persys. M/s Gammon India Limited.	Various Delhi Metro Rail Corporation (DMRC) sites throughout Delhi and NCR.
16.	Thickness measurement, UT, RT, PT, MT of pipelines and various components.	M/s IOCL	Panipat Refinery
17.	Radiography Testing, Ultrasonic Testing & Magnetic Particle Testing of Hydro Power Equipments & Misc Structures.	M/s VA Tech	M/s ATV Projects India Ltd., Mathura
18.	Pre-Heating & stress Relieving of weld joints	M/s BHEL	Rajghat Thermal Power Station, New Delhi
19.	Third party inspection and NDT of Steel Structure for Rope Stayed Bridge	M/s AFCONS	Cable Stayed Bridge, Nagpur
20.	Radiography Testing Welded Joints of Structure of Steel.	M/s Geodesic Yongnam Singapur-JV	Delhi International Airport Ltd. (DIAL)
21.	Third party Inspection of Steel Structure for Common Wealth Games.	M/s Ahluwalia Contracts M/s CPWD	SPM Stadium, New Delhi

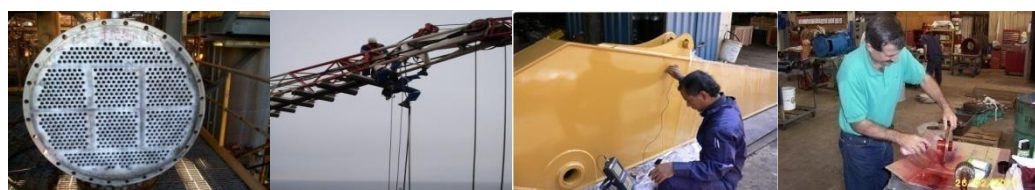




S.N.	Description of Activity	Client	Site
23.	Welder Procedure Specification (WPS), Procedure Qualification Record (PQR), Welder Qualification Record (WQR), UT, DPT, etc., of welded joints of steel structure.	M/s Seimens Ltd. M/s L&T Ltd.	Delhi International Airport Ltd. (DIAL)
24.	WPS, PQR, WQR, Welding consultation, Third party inspection, etc. for steel structure for common wealth games.	M/s ERA Infra Ltd. M/s NCC Ltd. M/s B E Belemaurya M/s CPWD M/s Ambasy	Talkatora Stadium, Jawaharlal Nehru Stadium, Kirni Singh Shooting Range, Indira Gandhi Stadium, etc.
25.	Third Party Inspection of Launching Girder During Fabrication.	M/s N.C. Infracon.	Various projects in North India
26.	UT, DPT & RT of Pipes.	M/s L&T	Various sites of M/s Delhi Jal Board.

All the above mentioned activities are representative of the variety of jobs that we have done over the years. We have worked with many other organizations and have worked in almost all parts of the country and have earned respect everywhere we have worked.

Over the years we have added to our client list, some of the most reputed firms and have done some phenomenal and outstanding work with them as a team. We at ITE, have willingness and capability to deliver the best possible services to our esteemed clients. This philosophy of complete customer satisfaction and willingness to work as a partner to help our clients achieve best possible quality has given us a competitive edge in today's competitive landscape.

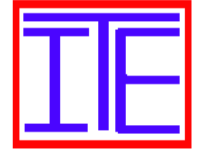




DESTRUCTIVE TESTING DIVISION



ITE is accredited by NABL in the field of Mechanical & Chemical Testing of Metals. This division is responsible for looking after activities like tensile tests, bend tests, spectro/chemical analysis, hardness test, impact test, welder qualification and other destructive testing services.



SERVICES OFFERED

- Tensile test.
- Bend test.
- Hardness test.
- Flattening test.
- Impact test.
- Procedure qualification for electrodes.
- Flaring test.
- Procedure qualification and welder qualification for weld coupons.
- Macro etching test.
- Microstructure determination.
- Case depth and decarb depth.
- Load test.
- **Spectro analysis of metals of OES for Nickel, Zinc, Steel, Copper and Aluminium bases.**
- Mass of Zinc coating.
- Plating thickness.





LIST OF EQUIPMENTS

S.N.	Description	Caliberation agency / supplier
MECHANICAL		
1.	Universal Testing Machine	M/s Blue Star Ltd. Delhi.
2.	Impact Testing Machine	M/s Blue Star Ltd. Delhi.
3.	Vickers Hardness Tester	M/s Blue Star Ltd. Delhi.
4.	Rockwell Hardness Tester	M/s Blue Star Ltd. Delhi.
5.	Other Accessories	M/s Calibration Labs Delhi
CHEMICAL		
6.	SPECTROMAXx – Fe, Ni, Zn, Cu, Al	M/s Ametek (Spectro, Germany)
7.	Muffle Furnace 4”	M/s Super Calibration Services.
8.	Heating Oven	M/s Super Calibration Services.
9.	Carbon Sulphur apparatus	M/s Super Calibration Services.
10.	Sample Polishing Machine	---

