

PROCYON

TECHNO INDUSTRY

SYMBOL OF ENGINEERING



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Company Introduction

PROCYON having Specialization in Design, Manufacturing & Field Engineering Services for “**Spring / Pipe supports & hangers, Spares of Piping / hanger supports, Pre-fabricated structure of Piping / hanger supports, Critical Fabrication as per customer requirements,** and Supplying such Items as per Standards as well as Client Specific requirement.

PROCYON was started with an in-depth and broad knowledge background in **2011** with various product range specific to Piping Technology & having key is innovation and authentic aspiration to provide a superior service and a high quality product to our all clients. **PROCYON** is an enormously Design and Engineering industry situated in a very appropriate industrial location near Chhatral GIDC (35km away from Ahmedabad), which provides the easy transportation facility to all over country and abroad also.

PROCYON Field Engineering Services includes; Inspection & Audit of live Spring/ Pipe supports at site, Re-calibration of Spring/Pipe supports at site as well as at shop. With help of Reverse engineering tool, Procyon has been successfully completed multiple jobs of one to one replacement of spring hanger support.

The Promoters are highly qualified and having vast experience in design and engineering in the same field to grant high quality products as per Clients Specific requirements. It is our endeavor to achieve the best work at our works to suit the project requirement. The advice and suggestions from our clients end are always cordially accepted which suits the project requirement.

It is our abundant pleaser to inform that PROCYON has been successfully completed 200+ product supply orders during last three financial years with 50+ valuable clientele through Pan India.

Also, in addition to material supply, PROCYON has been successfully completed 10+ site audit / survey during last two financial years with valuable clientele through Pan India.

We would invite you to be our best customer and extend your patronage as when to meet with requirements of our products. We are always glad to be of optimum serves to you.

AGAIN, we warmly welcome to our company for visit or any inquiry.



Product Range

- ❖ Spring/Pipe Supports & Hangers
- ❖ Spares of Piping/Hanger Supports
- ❖ Pre-Fabricated Structure of Piping/Hanger Supports
- ❖ Critical Fabrication as per Customer Requirements
- ❖ Specialized Pipe Supports
- ❖ Skid Frame Fabrication as per Customer Drawing

Procyon Services & Activities

- ❖ Stress Analysis of Existing/New Piping
- ❖ Design of Spring/Pipe Supports
- ❖ Manufacturing of Spring/Pipe Supports & Spares
- ❖ Inspection & Audit of Live Spring/Pipe Supports at Site
- ❖ Re-Calibration of Spring/Pipe Supports
- ❖ Reverse Engineering of Spring Hanger Supports

Spring / Pipe Supports & Hangers

Spring/Pipe Supports & Hangers are commonly used to compensate the variation of load on pipe as well as to compensate the expansion of the material due to temperature gradient, in all directions i.e. lateral, linear and vertical. According to the specific application of industry, Spring/Pipe Supports & Hangers are divided in the various product varieties. In broad the Spring / Pipe Hangers and Supports can be divided according to the types of loading and thermal moment.

- ❖ Rigid Hanger - Less or negligible thermal moments.
- ❖ Variable Hanger - Medium thermal moments with Variable load.
- ❖ Constant Hanger - Larger thermal moment with Constant load.

Each of the above types Hangers / Supports are further divided into various types of model according to the application as well as Client specific requirements as below.

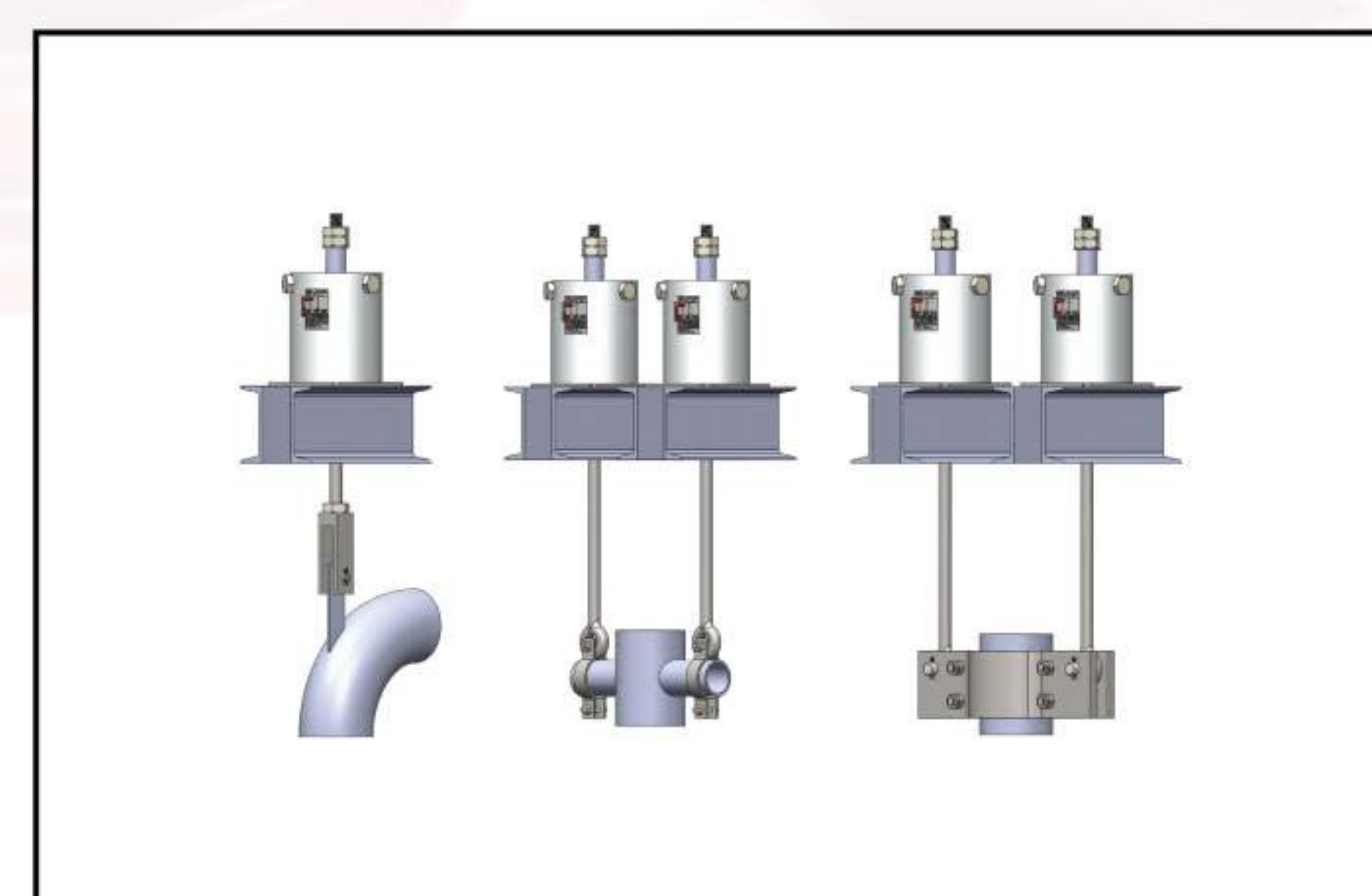
Rigid Support

- ❖ Rigid Hanger Supports (RH-1 & RH-2)
- ❖ Mounting Supports like Plate Shoe, Pipe Shoe, Clamp Shoe, etc.



Spring Support

- ❖ Variable Spring Hanger Supports(VSH-A To VSH-D)
- ❖ Variable Foot Mounted Bottom Type (can) Spring Support (VSH-F)
- ❖ Constant Spring Hanger Supports (CSH-B)
- ❖ Constant Foot Mounted Bottom Type Spring Support (CSH-F)



Spares of Piping/Hanger Supports

Following are the list of Spares of Piping/Hanger Supports:



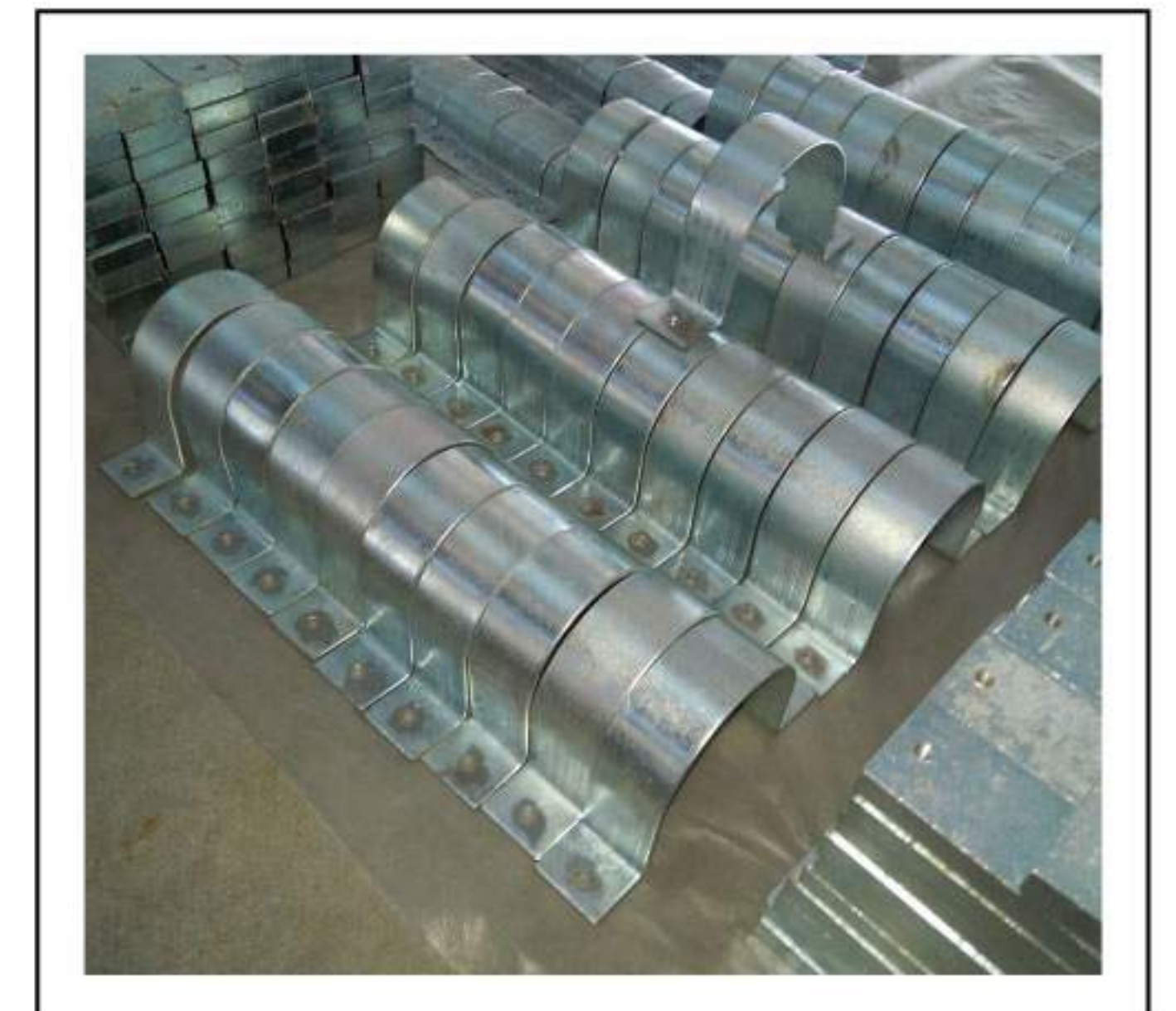
Pipe Clamp (Heavy duty)



Pipe Clamp (Light duty)



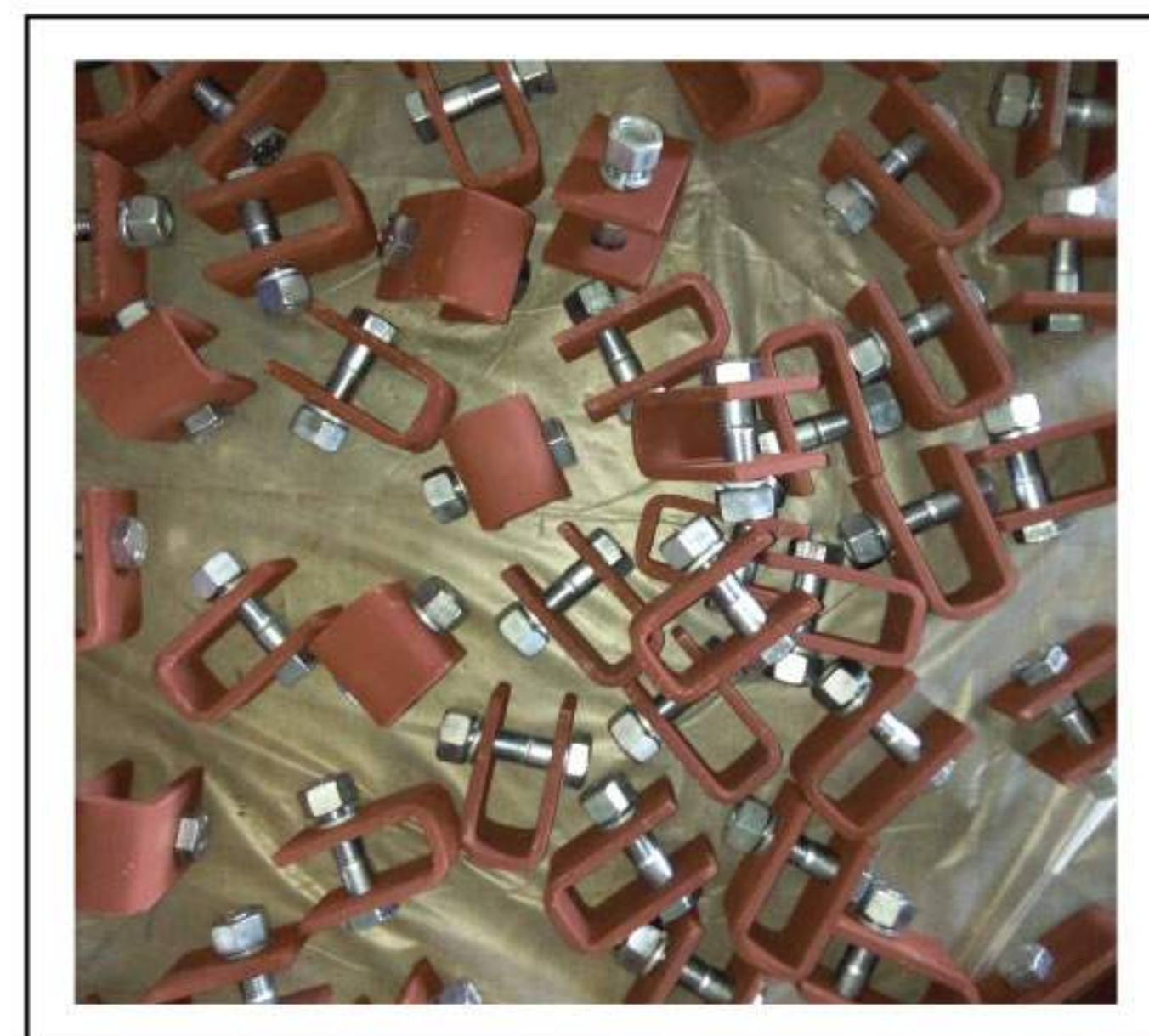
Fabricated U Clamp



Pipe Clip



Galvanized U Bolts



Clevis Bracket Assembly



Forged Eye Rod



Turnbuckle (Light duty)



Damping Pad



Antifriction Pad



Rod Coupler



Turnbuckle (Heavy duty)



Pipe Shoe

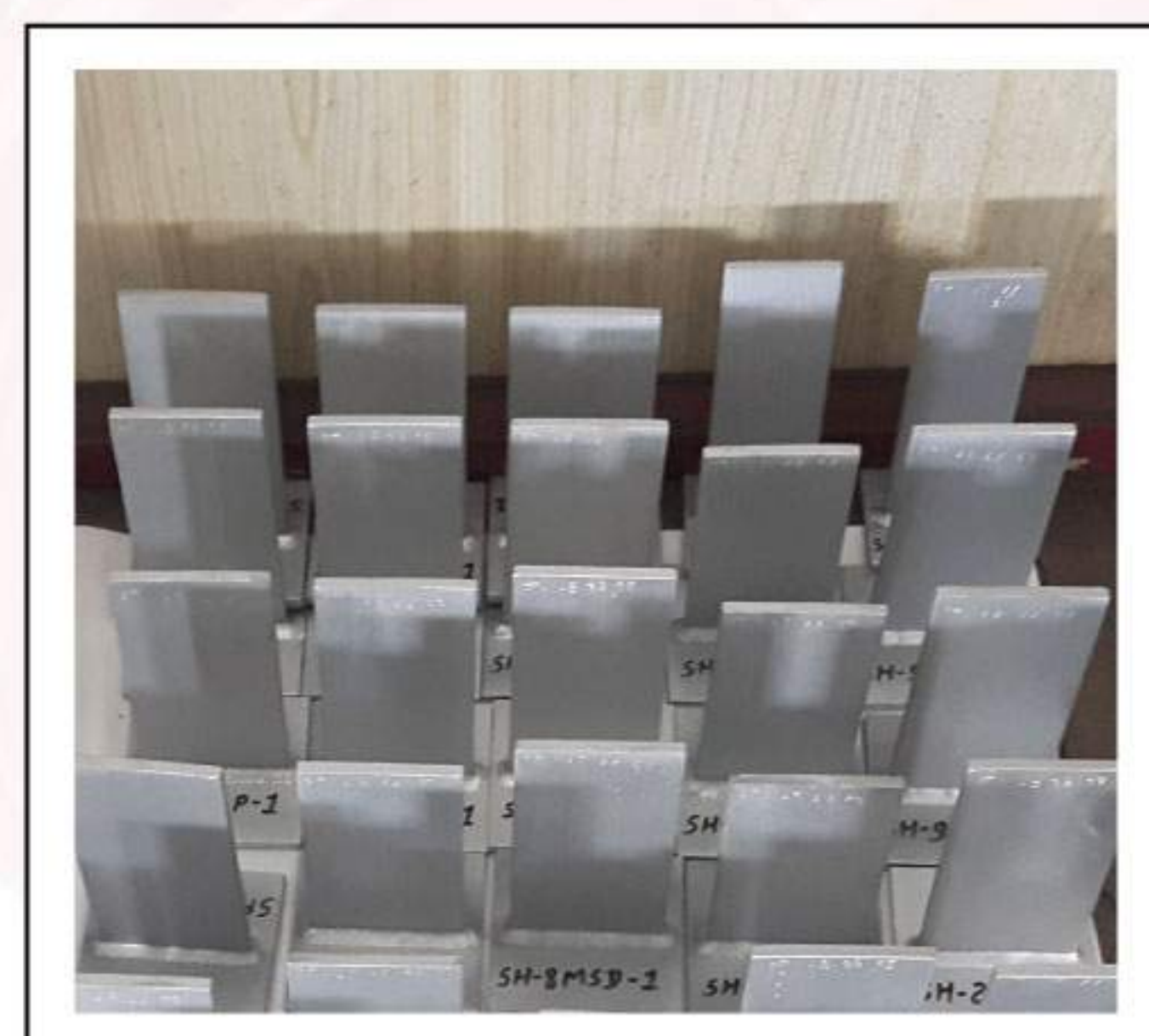


Plate Shoe



Clamp Shoe



Hot Coiled Spring

Pre-Fabricated Structure & Customize Critical Fabrication

Manufacturing Pre-Fabricated Structure from standards Angle (ISA), Chhanal (ISMC), Beam (ISMB), Plates and Supplying in finish paint condition, which are basically utilized in power plant structure for resting pipe line & many specific application.



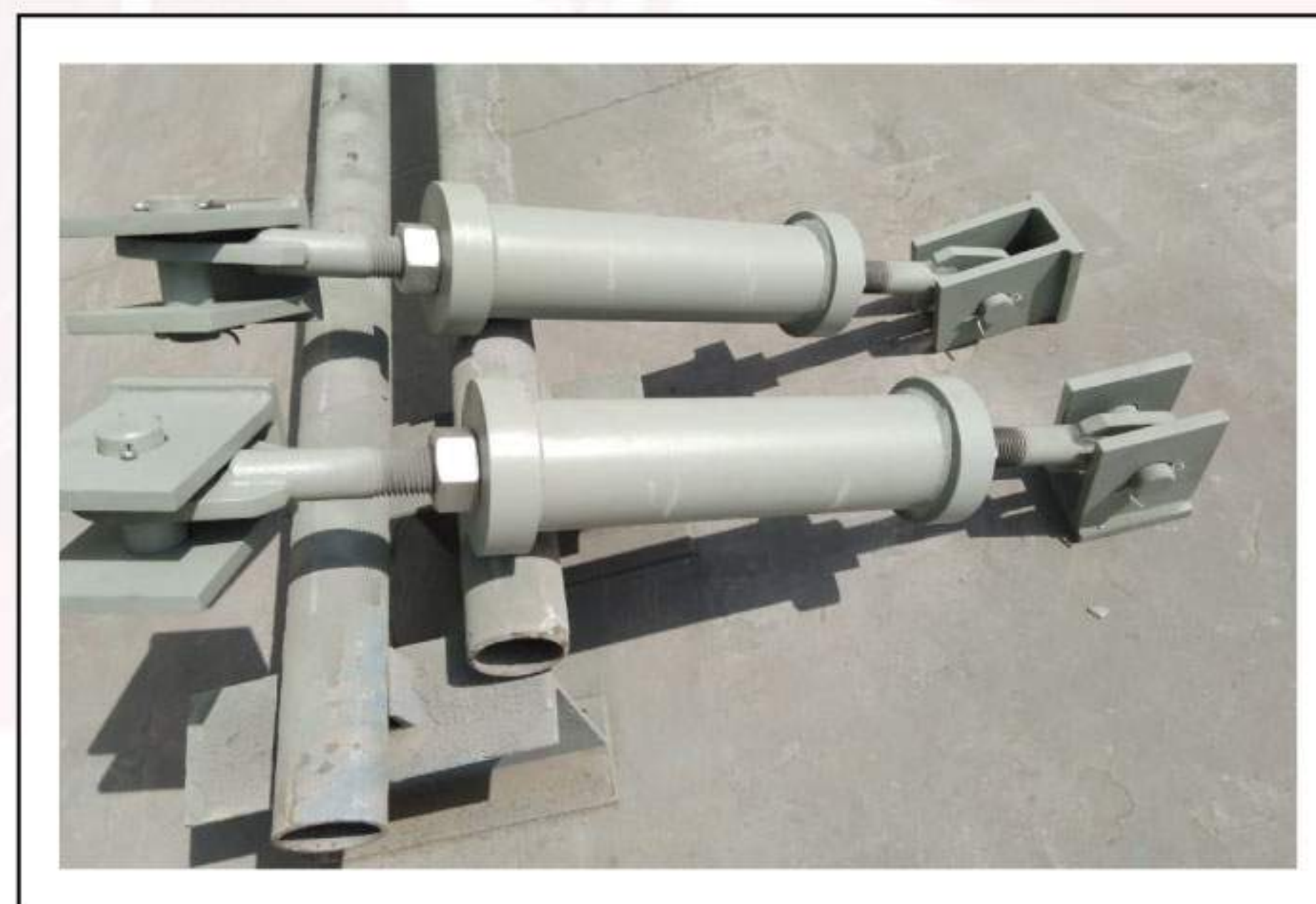
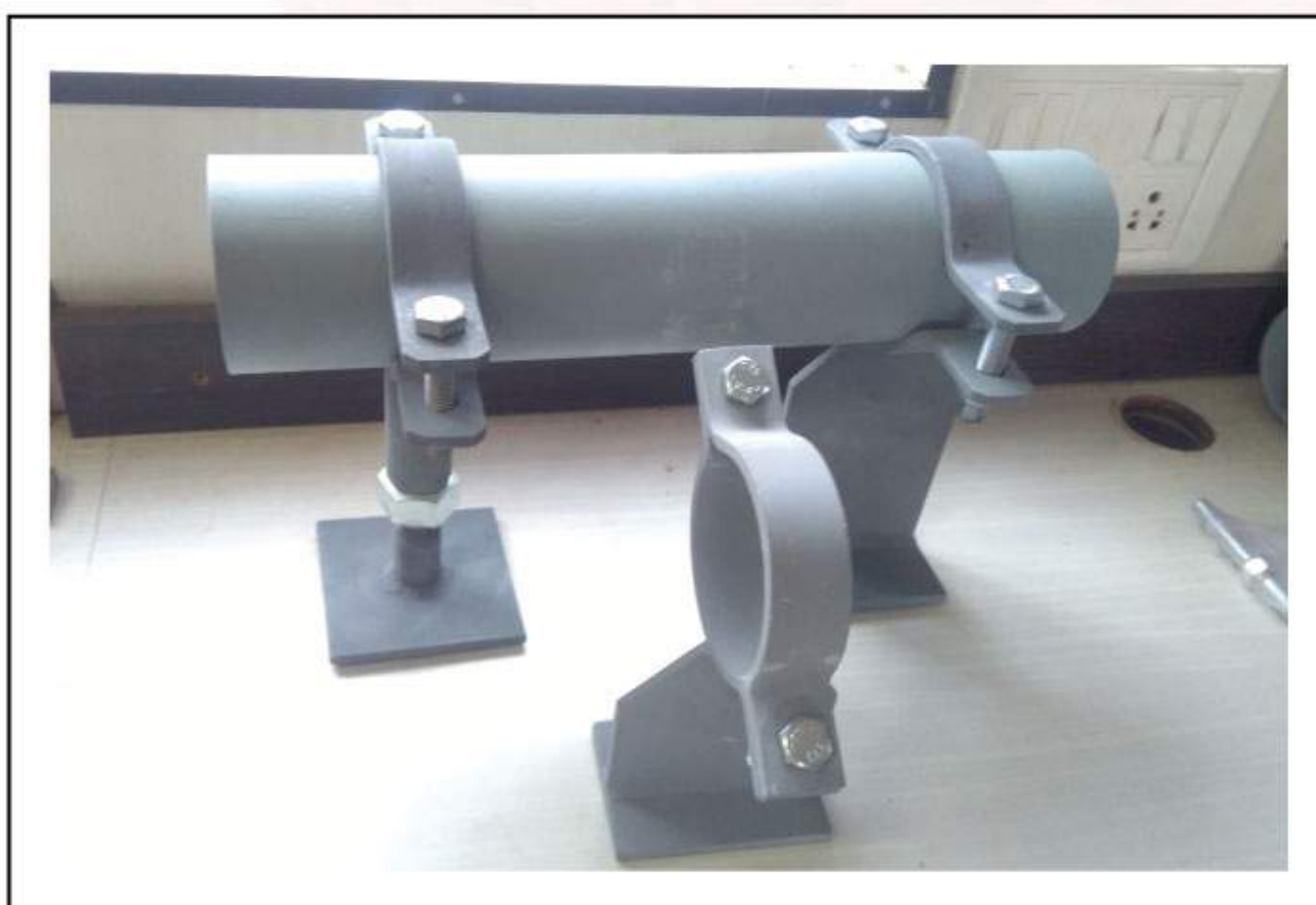
In addition to the Pre-Fabricated Structure Procyon having sufficient manufacturing facility for Customize Critical Fabrication which are basically utilized in the power plant/chemical/agrochemical industries for various application.



Specialized Pipe Supports

In Addition to PROCYON Standard Product Range as Mentioned Above, Specialized Supports / Product has been Designed and Supplied to our Most Valuable Clients in OIL & Gas, Petrochemicals, Fertilizer and Chemical sector as Mentioned Below.

- ❖ Damping Clamp Supports
- ❖ Fabreeka Pad Assembly
- ❖ PTFE Bearing Pad Assembly
- ❖ Graphite Pad Assembly
- ❖ Cold Insulated Pipe Clamp Supports
- ❖ Adjustable Pipe Clamp Supports
- ❖ Heavy Duty Spring Support Assembly
- ❖ Conical Spring of Inconel Material
- ❖ Rigid Strut Assembly.



Skid Frame Fabrication as Per Drawing

With the help of more than 10 year fabrication experience of shop floor Team and adequate welding qualification records, Our team has been qualified for the fabrication of 30 meter long Skid frame. With the use of existing in-house infrastructure & team organization, we successfully completed multiple job of Skid Frame Fabrication of our valuable client during 2018 to 2019.



Testing Activity

- ❖ NABL Test / Mill Test Certificates for Each Incoming Raw Material.
- ❖ Surface Cracks on Each Spring would Checked by MPI After Coiling.
- ❖ Random DPT/LPT is Performed on Welded Component.
- ❖ Hardness Testing of Springs, Nuts & Lock Nuts.
- ❖ Scragging and Cramping Test Performed on all Springs.
- ❖ Load Calibration Test of all Spring on Maximum Design Load.
- ❖ Load Calibration Test of all Spring Supports on Hot & Cold Condition.
- ❖ Visual & Dimensional Checking Performed on Each Individually Items.
- ❖ Visual & Dimensional Checking Performed on Each Individually Assembly.
- ❖ Min. 02 year Guarantee Certificates would Issed for Spring Support Assembly.
- ❖ Any Specialized Testing would Performed as per Approved QAP.



Photo Gallery: Inspection & Testing

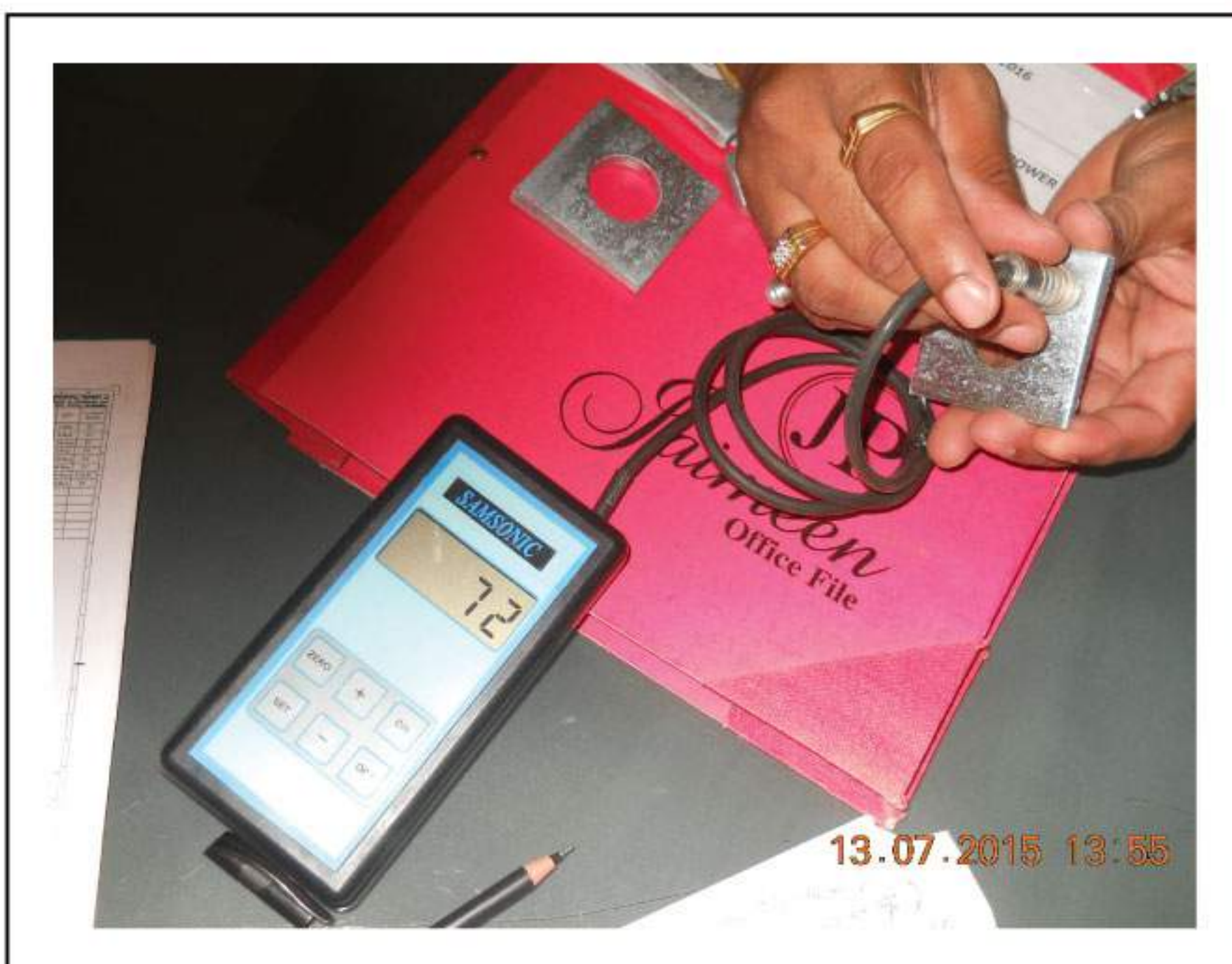


Photo Gallery: Packing Procedure



Quality Policy

Procyon Techno Industry have been implemented quality policy standardisation for support design, manufacturing procedures as well as testing requirements as per need of client and are controlled by formally documented system included our Quality Assurance Plan (QAP). viewing ourselves as a part of team which includes our customers and suppliers, we understand our role in meeting the team's goal. we plan and execute our work to meet our costumer's specification & delivery requirments.

Procyon Techno Industry develops certain quality objective are as under;

- ❖ On Time Delivery to match Client requirement.
- ❖ PRODUCT Confirm to Specification requirement.
- ❖ Continuous improvement in existing Process/Technology.

Certification / Credential

- ❖ **ISO : -9001:2015 Certified Company**
- ❖ Multiple Jobs has been witnessed by TUV India, TUV Nord, TATA, SGS, QUEST, BV, etc..
- ❖ PQR, WPS & WPQ Certified Welder Team for Carbon steel & Alloy steel Materials.
- ❖ Certified Welder Inspector (CWI) with Level-II Certification.
- ❖ Approved by NTPC, L&T MHPH, TPSC, PRAJ, Technip FMC, Nayara Energy (Formally known as EASSAR), GNFC, GSFC, IFFCO, and GHCL by completing repeatedly Supply.
- ❖ Approved by IFFCO, Hindustan Zinc, NAYARA, SANGI, and Welspun by repeatedly Site Audit.
- ❖ **Supply Experience:** NTPC KHARGONE, NTPC KUDGI, NTPC MEJA, NTPC DARLIPALI Super TPP. HMEL Bathinda, BARMER Refinery Rajasthan, IOCL Bongaigaon , IOCL Haldia, CPCL Manglore, IOCL Oddisha, Kauntum Paper Punjab, Nanni Paper Uttarakhand.

Photo Gallery: Procyon Product Range



Field Activities & Services for Spring/Pipe Supports



Hanger type variable spring support checked at site during hot position, found spring load indicator at extreme position below cold marking. Also spring found in fully compressed condition and lower attachment of the support in misalignment with main steam pipe line.

Re-Calibration Job



Sliding support found in misalignment position with respect to pipe, due to linear as well as lateral expansion of the main steam pipe line from cold to hot load. Also found improper material selection in respect with operating temperature of Main steam pipe line.

Value Addition & Maintenance Job



Bottom mounted variable spring support checked at site, during hot condition found fabricated pipe shoe not in contact with top loaded load flange of the spring support. Also total deflection found to be more than design of spring, which shown on name plate.

Load Setting & Maintenance Job



Bottom mounted constant spring support checked at site during cold condition. During inspection observed overall condition of support in fully corroded, including spring cover, spring, side stud, nuts, etc. Spring also in non-working condition due to heavy rust. With the help of reverse engineering tool, load data generated for one to one replacement.

Reverse Engineering Job



Top loaded constant spring hanger support checked at site during hot condition, found spring casing cover, partially filled with rain water. Approx. 30% spring, filled with rain water and load indicator deviate from hot position marking. Immediate action taken for drilling hole at the lower side of casing cover to remove rain water.

Re-Calibration & Maintenance Job

PAN India Clientele



CONTACT US



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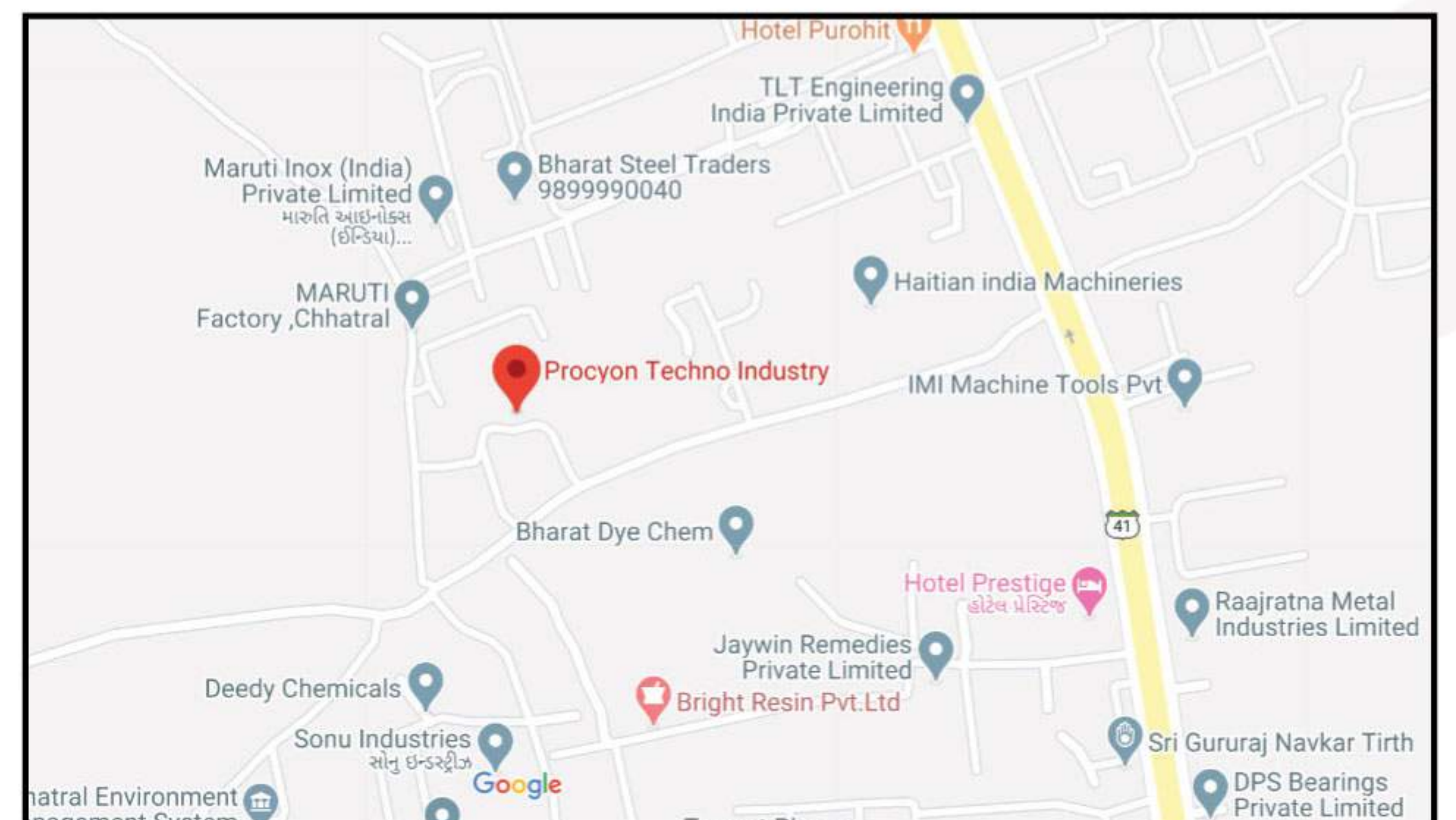
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