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ABOUT US

A&T Engineering established in the year 2011 by Mr. Sanjay Kumar Jha, He embarked on this voyage with a vision to scale new heights of success. He quickly realized that all companies are built with truest, mutual respect and co-operation between client and company and he set about to do just that.

The company's financials today are a testimony to our positive and long standing relationships with our clients.

A&T Engineering has grown in leaps and bounds over the years following its inception, In the able hands of Mr. Sanjay Kumar a diverse workforce services by exceeding client expectations and achieving market leadership.

A&T Engineering reputation and goodwill amongst it clients can be credited to a high level of efficiency in the execution of projects in a time bound frame. It has always been the Endeavour of the company to be the preferred resource for specialized services in the field of onshore, offshore scaffolding, pipelines, structure fabrication, erection and industrial painting. It is due to this purpose that A & T Engineering has continually upgraded infrastructure and updated its employees on industry specific knowledge and market developments.

- In it's never- ending quest for customer satisfaction, A& T Engineering has alones the road bagged contracts with an impressive group of clients like. Reliance Industries Ltd/ Samsung Engg co.Ltd/ Linde Group/ I.E.S/Indian Oil Corporation Ltd./ Larson & Toubro Ltd./G.D.C.L/ ESSAR Oil Ltd, Vadinar, /TATA Cemical Ltd. Etc….

VISION

- Our Vision for A&T Engineering is: -

- To be the preferred, most trusted and leading onshore and offshore construction company by meeting all quality benchmarks according to client specification.

- To be known for reliability, flexibility, responsiveness, innovative services and an exemplary performance by encouraging an environment of case, mutual trust and respect with constant updating of industry specific knowledge and market developments for employees.

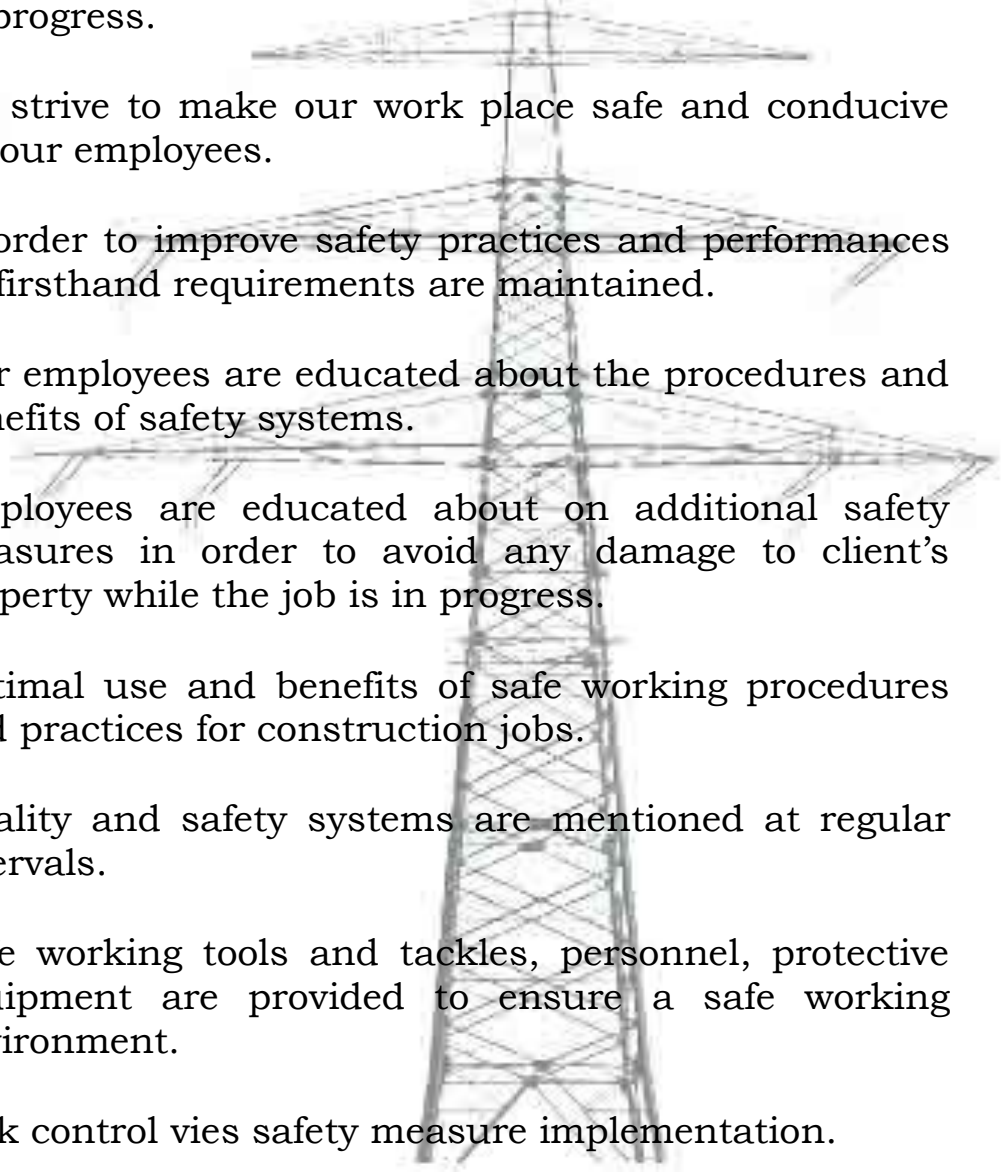
- To attain organizational excellence, superior and continually improving performance throughout the organization and all levels. This quest for excellence requires a diverse workforce of the highest caliber. To support this quest this quest we intend to build and nurture a team of professionals with innovative, entrepreneurial skills and constantly upgrading our workforce enhancing their value and empowering them with the essential skills to attain production milestones set by the clients.

- To build a lasting relationship with the client by exceeding customer expectation and achieving market leadership and operating excellence in every segment of our company.

- Continuous upgrading of infrastructure in order to contend with fresh industry challenges.

SAFETY POLICY

Safety is of prime importance here at A&T Engineering hence, we believe that following a few simple Safety guidelines can prevent any injuries or occupational hazards at the work place. Safety at any juncture is not compromised while a job of any nature whether on filed or off is in progress.



- We strive to make our work place safe and conducive for our employees.
- In order to improve safety practices and performances all firsthand requirements are maintained.
- Our employees are educated about the procedures and benefits of safety systems.
- Employees are educated about on additional safety measures in order to avoid any damage to client's property while the job is in progress.
- Optimal use and benefits of safe working procedures and practices for construction jobs.
- Quality and safety systems are mentioned at regular intervals.
- Safe working tools and tackles, personnel, protective equipment are provided to ensure a safe working environment.
- Risk control vies safety measure implementation.
- In order to avoid any unwanted work place hazards clients instruction on safety procedures are followed at all times.

Sanjay Kumar Jha

QUALITY POLICY

A&T Engineering is dedicated towards sustaining continued client satisfaction. We achieve this by:-

- A commitment towards providing an assured quality in our services that adhere to national and international standards with the almost technical competence.

- Meeting all state client requirements as specified.

- Adhering to the client's policies relevant to the job.
- Working towards fulfilling the client's implied, intended and unstated needs with regards to mechanical engineering, jobs of offshore and onshore scaffolding, surface preparation, fabrication, plant maintenance application of protective coatings and equipment erection.

We assure clients that at all stages requirements of safety reliability and quality will be approached systematically. We assure quality human resources that are adequately trained, skilled and experienced. We are always committed to cater to our client specific human resource plant and machinery needs. It is our continued effort to develop our technical competence as is in keeping with industry standards.

A full review of production, human resources, preventive and corrective strategies for production target achievement and the effectiveness of these strategies will be undertaken at regular intervals. A detailed record of these reviews will be maintained.

We ensure that all levels we will effectively communicate the company's quality policy and see to its maintenance and implementation.

Sanjay Kumar Jha

WRITE UP ON KEY PERSONNEL

MR. SANJAY KUMAR JHA

Proprietor of the Company.

He has with 16 years of experience in Mechanical Construction and Project Management.

S.K. PANDEY – DIP. MECH.

Technical Advisor.

He has 12 years of experience in Refinery/ Petrochemical sector with leading Industries like Reliance Refinary Jamangar, IPCL (MGCC) Naghothane, He is having wide range of experience in Project Management. Planning Scheduling, Installation of equipments, PSSR, commissioning of plants, Troubleshooting, and Maintenance.

The few areas of Expertise are.

MR. C. BALA

Technical Advisor.

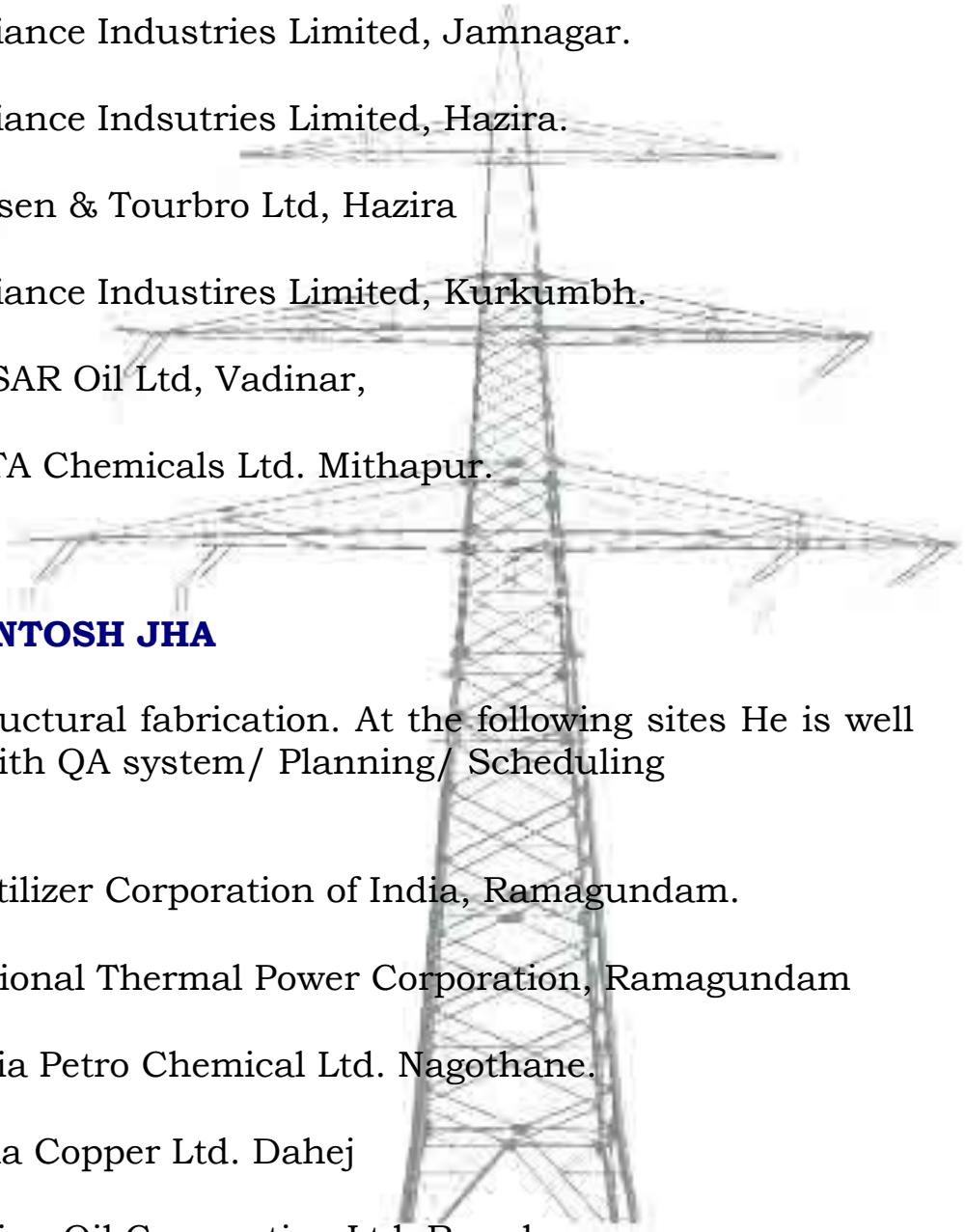
He has 10 years of experience in Refinery/ Petrochemical sector with leading Industries like Reliance Refinery Jamnagar, IPCL (MGCC) Naghothane, He is having wide range of experience in Project Management. Planning Scheduling, Installation of equipments, PSSR, commissioning of plants, Troubleshooting, and Maintenance.

The few areas of Expertise are.

MR. MUKESH KAUMR

He has been associated with this organization since incorporation, He has worked following sites.

- Reliance Industries Limited, Jamnagar.
- Reliance Indsutries Limited, Hazira.
- Larsen & Tourbro Ltd, Hazira
- Reliance Industires Limited, Kurkumbh.
- ESSAR Oil Ltd, Vadinar,
- TATA Chemicals Ltd. Mithapur.



MR. MANTOSH JHA

He is structural fabrication. At the following sites He is well versed with QA system/ Planning/ Scheduling

- Fertilizer Corporation of India, Ramagundam.
- National Thermal Power Corporation, Ramagundam
- India Petro Chemical Ltd. Nagothane.
- Birla Copper Ltd. Dahej
- Indian Oil Corporation Ltd. Baroda
- Reliance Industries Ltd, Jamnagar

MR. BALKISHAN JHA

He has 10 years experience in scaffolding, Piping fabrication, Worked with Reliance and Refinery sites.

MR. SUKHDEV TIWARI

He is graduate with 07 years experience in mechanical construction both structural and piping, above all he has sound knowledge in heavy erection both in static and rotary equipment.

MR. ALEX KUTTEY

He has 25 years experience in Scaffolding, Pipe Fabrication, and Erection, Worked at Reliance/ IPCL sites.

MR. AKHILESH KUMAR SINGH

He has 8 years experience in Scaffolding

MR. SUDHAKAR KUMAR

He has 8 years experience in Scaffolding & having a diploma in industrials fire and safety. Specialist in erection of Hanging scaffold.

MR. SHAILESH PANDEY

He has 15 years experience in scaffolding, piping fabrication, Erection worked with Reliance and Refinery sites.

MR. AURN JAISWAL

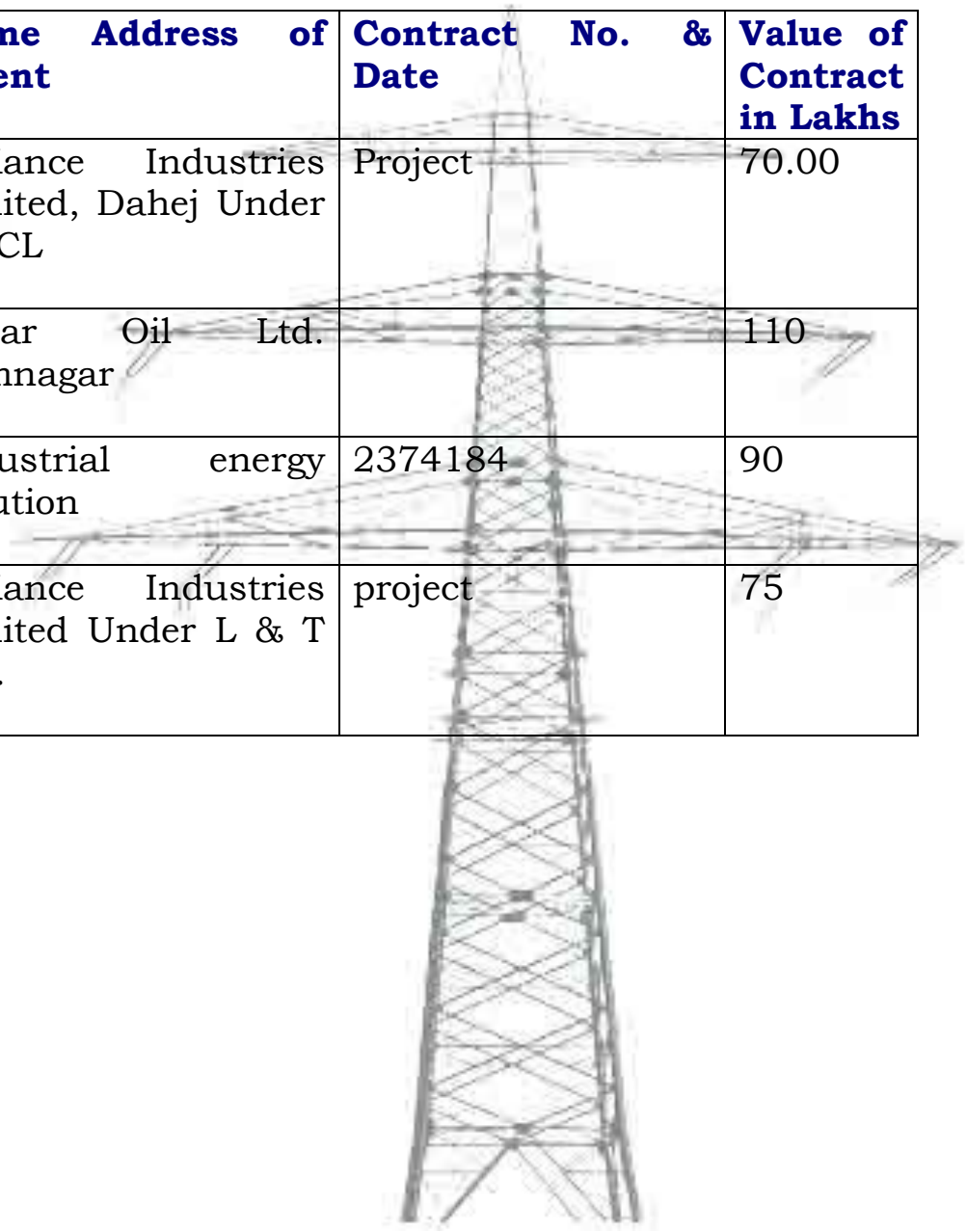
Having Safety Diploma well versed with Safety Procedure in Refinary Petrochemical.

MAJOR JOBS COMPLETED

Sr. No.	Name Address of Client	Description of the work	Value of Contract in Lakhs
1	Essar Oil Limited Jamnagar	Supply, Erection & Dismantling of Scaffolding 352001	113
2	Reliance Industries Ltd in jamnagar	Supply, Erection & Dismantling Scaffolding 365432	75
3	Linde Engg India Ltd in dahej (OPAL SITE)	Supply & Erection of Scaffolding MTK/73928	200
4	Samsung engg Co. Ltd Dahej (OPAL SITE)	Erection of Scaffolding for 124 Mtr. High Column with design /2015/007	400

MAJOR JOBS UNDER PROGRESS

Sr. No.	Name Address of Client	Contract No. & Date	Value of Contract in Lakhs
1	Reliance Industries Limited, Dahej Under GDCL	Project	70.00
2	Essar Oil Ltd. Jamnagar		110
3	Industrial energy solution	2374184	90
4	Reliance Industries Limited Under L & T Ltd.	project	75



RESOURCE OF SKILLED & UNSKILLED MANPOWER

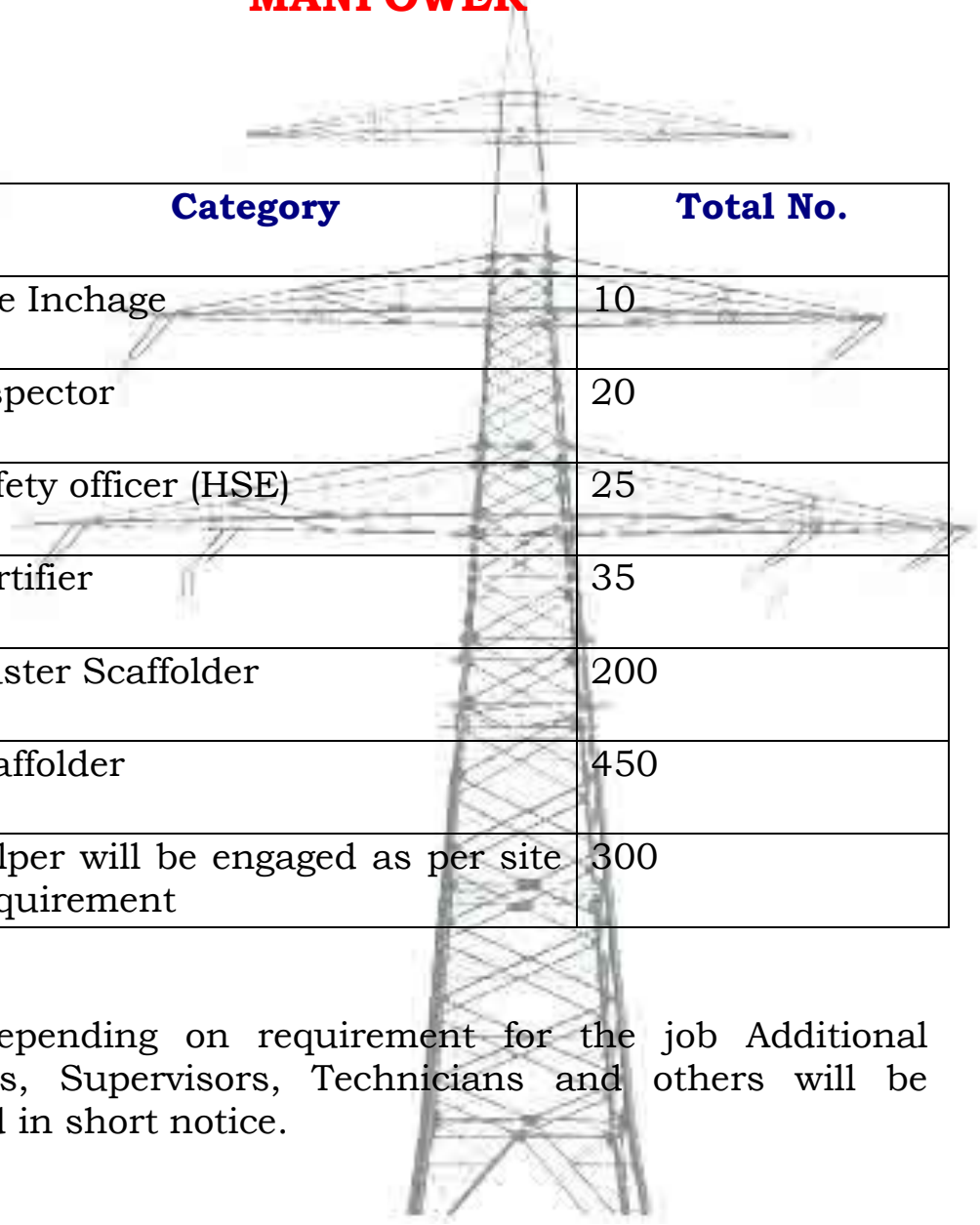


Table 1

Sr. No.	Category	Total No.
1	Site Inchage	10
2	Inspector	20
3	Safety officer (HSE)	25
4	Certifier	35
5	Master Scaffolder	200
6	Scaffolder	450
7	Helper will be engaged as per site Requirement	300

Note: Depending on requirement for the job Additional engineers, Supervisors, Technicians and others will be arranged in short notice.

INSPECTION PLAN
FOR SCAFFOLD MATERIALS

TUBES

- Tubes must be straight throughout their length (plumb)
- Tube ends should be cut clean and at right angles to the axis of the tube, if tubes are not squre they are liable to split when used as standards.
- Tubes should be free of rust corrosion, flows, splits dents and other visible damage.
- Tubes should have suitable protective coating unprotected tubes should be used in water and particularly not in marine structures.

COUPLERS

Should be free from

- Defected threads
- Distortion
- Seized components
- Rust

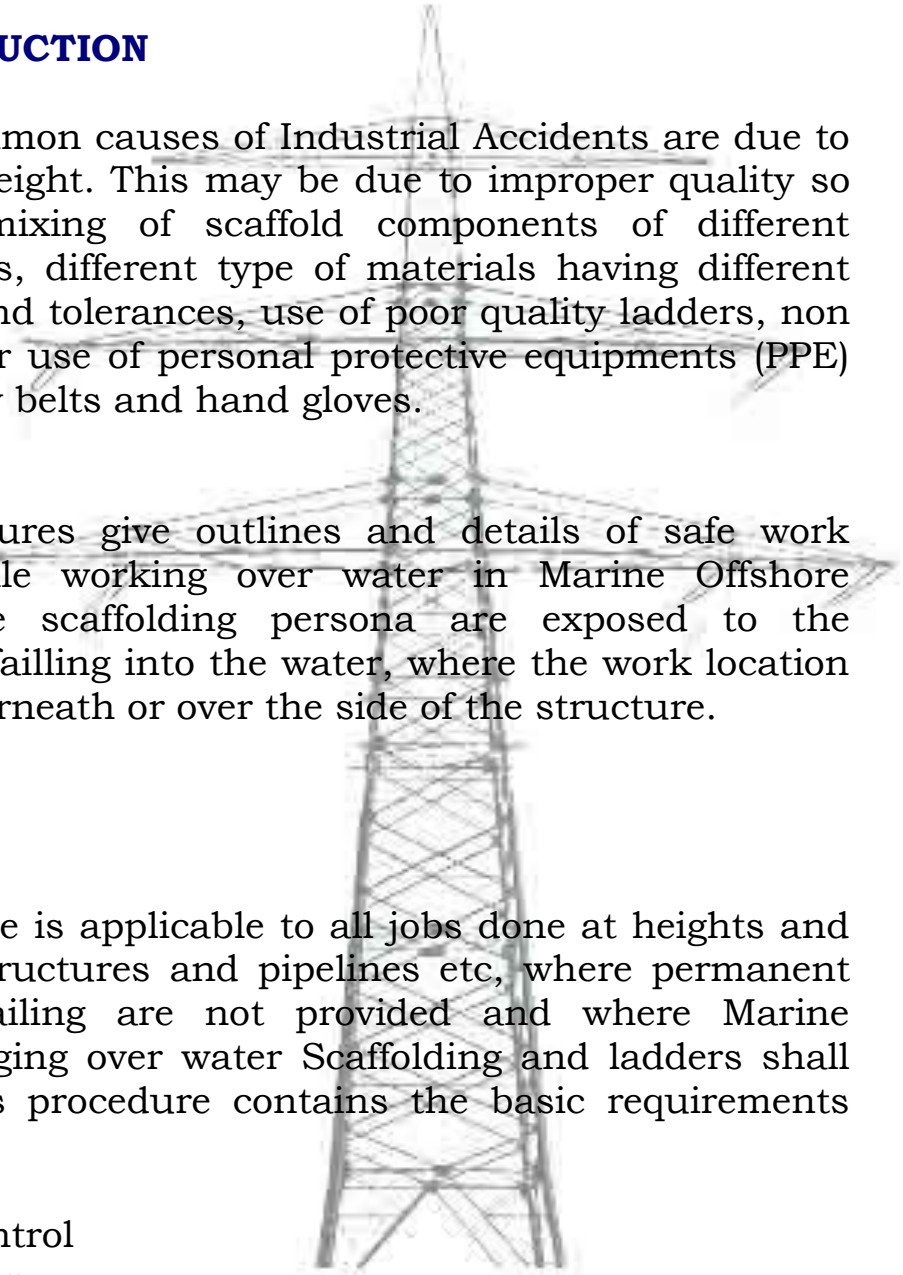
Types	Use	Points to check
Right angle Coupler	To connect two tubes at a right angle	Right way up square on tube tightened correctly
Swivel coupler	To Connect two tubes at any angle other than a right angle./	Square on tube tightened correctly.
Putlog coupler	To fix a putlog or a transom to a ledger	Square on tube tightend correctly.
Joint Pin/ Spiogot	To connect two uses when extended vertically or horizontally to an external	Tubes butted on center plate tightened correctly.

Note – some special type of coupler are mentioned above rest various are used in site.

PROCEDURE FOR MARINE ONSHORE OVERWATER HANGING SCAFFOLDING

A. INTRODUCTION

The most common causes of Industrial Accidents are due to falls from a height. This may be due to improper quality so scaffolding, mixing of scaffold components of different manufacturers, different type of materials having different dimensions and tolerances, use of poor quality ladders, non use/ improper use of personal protective equipments (PPE) such as safety belts and hand gloves.



These procedures give outlines and details of safe work practices while working over water in Marine Offshore Areas, Where scaffolding persona are exposed to the Possibility of failling into the water, where the work location is either underneath or over the side of the structure.

B. SCOPE

This procedure is applicable to all jobs done at heights and at offshore structures and pipelines etc, where permanent platforms/ railing are not provided and where Marine Offshore Hanging over water Scaffolding and ladders shall be used. This procedure contains the basic requirements of:-

- Work control
- Inspection
- Pre-ob training
- Tool box talks (Briefing Process)
- Safe work Practice and controls

During the erection, use, maintenance, disassembly or marine offshore Hanging Over Water Scaffolding at work site, Scaffolding Rating and Type requirements shall be best selected with consultation clearance and approval of the Client's Engineer-in- Charge to suit the planned job activities and site conditions. The actual job shall start after obtaining the necessary clearance and work permit from the Engineer-in- charge or his authorized representative.

C. OBJECTIVE

The objective of this procedure is to execute the job of Marine Offshore Over Water Hanging Scaffolding Erection, Use maintenance and Dismantling in a planned manner to achieve a safe and efficient methodology.

D. RESPONSIBILITIES OF CONTRACTORS QUALIFIED PERSONS.

Competent Persons: Competent persons authorized by the client shall be capable of identifying existing and predictable hazards in the surroundings or working conditions and shall have the authority to take prompt action to eliminate them.

Contractor's Scaffolding Engineers and supervisors shall perform the following activities with consultant and consent of the client's Engineer-in- charge or his authorized representatives at all stages of work:

- Preliminary inspection of areas where the scaffoldings are to be erected and to plan the type and rating of scaffoldings which shall be required suiting to specific job requirements and site conditions.

- Inspection of material of scaffoldings to be used to each tier shall remain with each individual tier.

- Continuous supervision of the scaffolding's erection, use, dismantling by experienced trained and also scaffolders under training.

- To obtain from the client or its authorized representatives:-

- Access Request Sheet (ARS)

- Certificate for Scaffold is erected as per code and approved for fit for use

- Work permit.

To do joint inspection with the client's representative to ensure that Safety requirements are met at all stages of work and periodic inspections of the erected Scaffoldings if these are to be sued for a prolonged period of time.

E. REFERENCES

The job shall be executed conforming to National and international Code of Safe Work Practices for Marine Offshore Over water handing Scaffolds as per the requirements of the client.

F. SCAFFOLDING LOAD BEARING

Scaffolds are classified according to their intended use and working loads permitted on scaffolds shall follow the guidelines given in the table below:-

Type and Rating of Scaffold	Use of Scaffold	Scaffold Loading per M2	Maximum Spacing between standards	Typical Load Examples per Bay
Very Light duty independent	Inspection access and painting	75 Kgs	2.7M	1 man + tools
Light duty independent	Power clearing, Painting, light engineering	150 kgs	2.4m	2 men + tools No. material
General Purpose Independent	Light Engineering i.e. wielding or electrical work	200 Kgs	2.1 m	3 men + 175 kgs of material
Heavy duty Independent	Heavy engineering i.e. large pipe work or structural work	300Kgs	1.8 m	4 men + 250 kgs of material

G. SPECIFICATIONS OF SCAFFOLDS

- Scaffolding shall conform to IS 4014 (for Steel Tubular) or equivalent B.S. Standard for all fasteners.

- All elevated Structures/ working platforms shall be guarded on all sides by guardrails or by other suitable arrangements.

- Guardrails shall be provided consisting of Top rail at a height of minimum1.10 meters and maximum 1.15 meters. Mid rails at a height of not more than 690 Mm above the top of the toe board shall be at least 200 mm height above decking.

- Scaffold materials shall have a factor of Safely 4:1 to the dead weight plus intended weight of men and material on platforms. The steel wire ropes used shall have a factor of Safety 6:1.

- If the scaffolding is erected for more than one tier, the load sharing of each tier shall remain with each individual tier.

- All fasteners shall be cleaned and greased once every 15 days.

- An escape route shall be provided at every 30 meters.

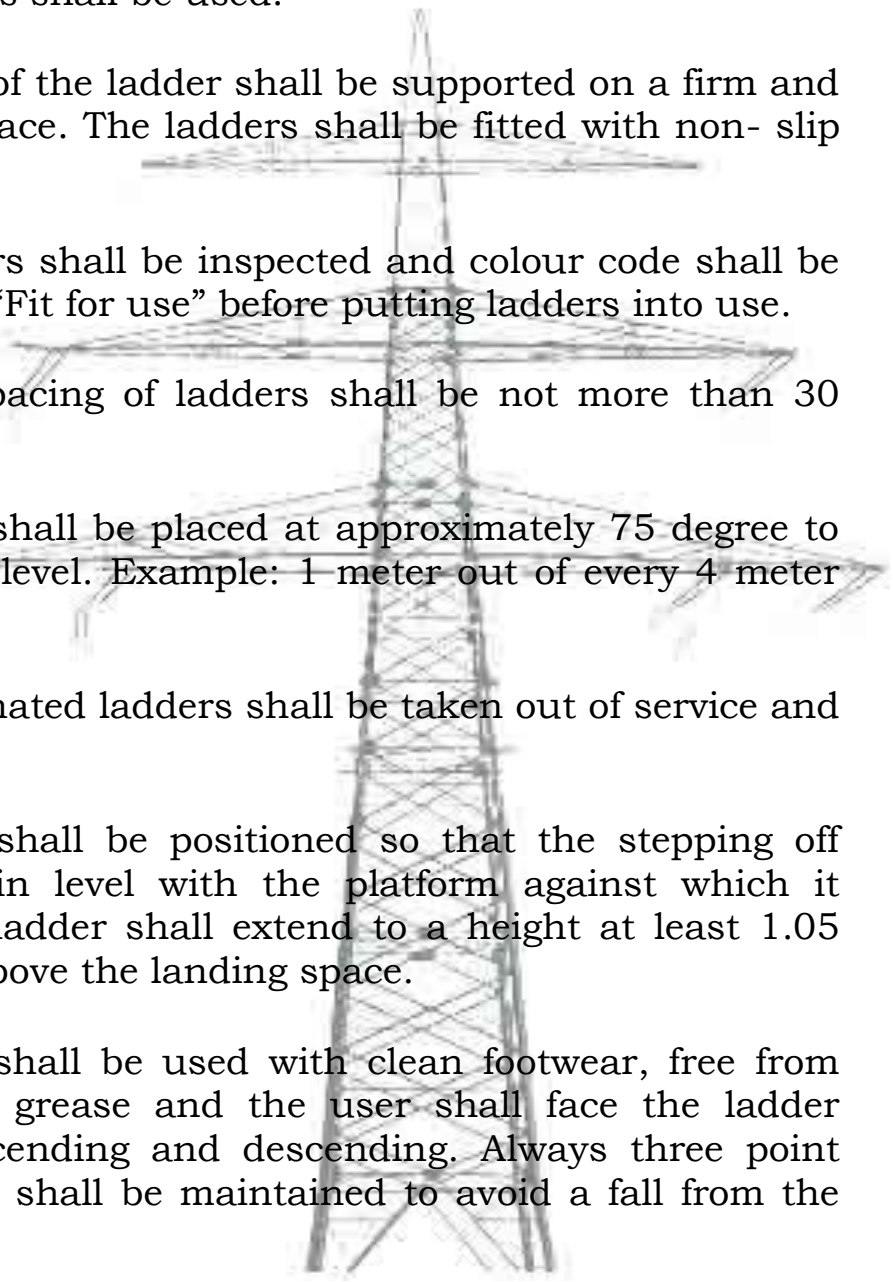
- All tool and tackles shall be specified for scaffolding erection and dismantling.

- Arrangements shall be made for a standby boat with a Life guard (Driver), Fist – Aid Kit and an emergency vehicle with driver.

- Scaffold Boards shall be stored above ground level and shall be stacked not more than 05 boards in height.

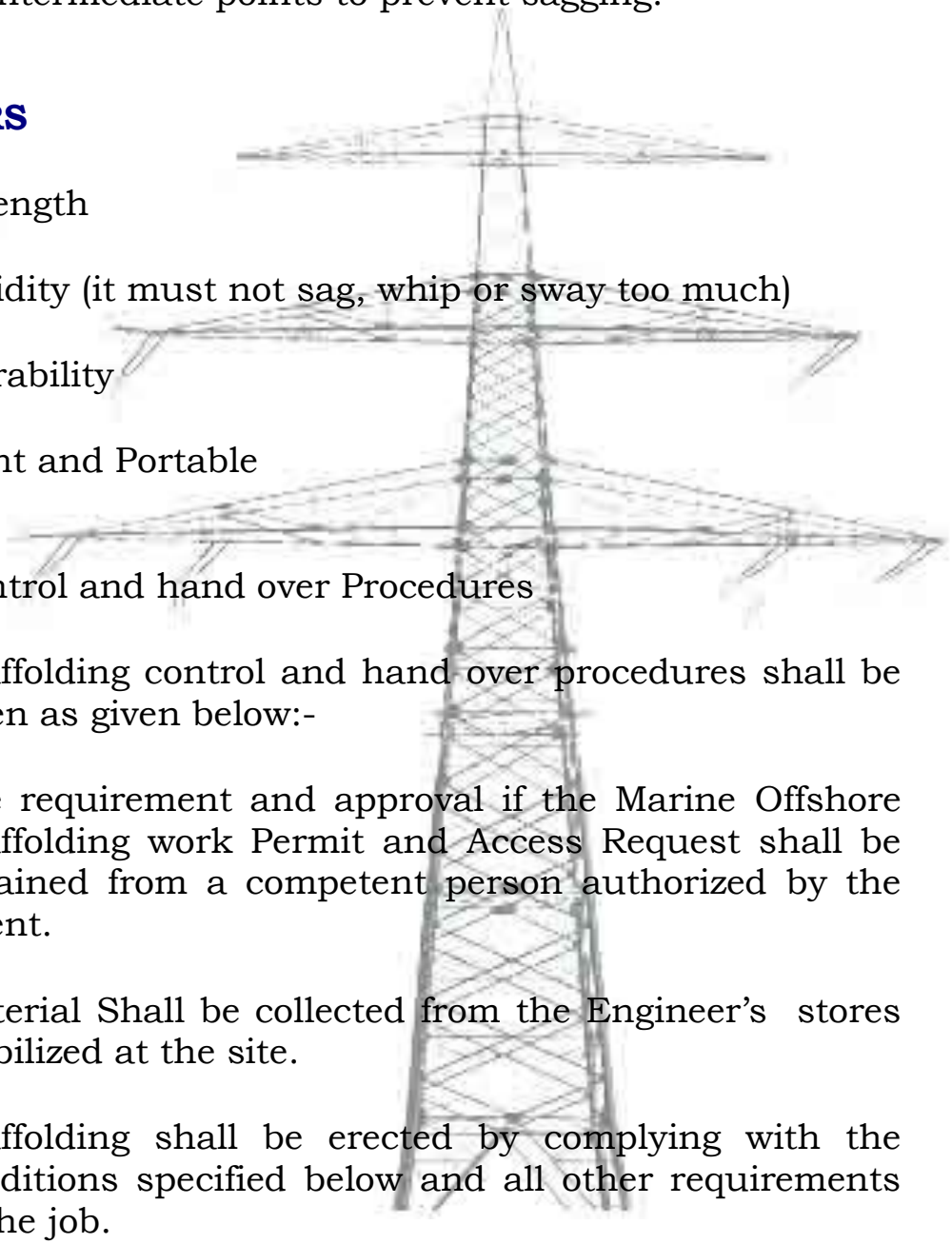
- Bracings shall be installed progressively starting from the base plate level with scaffolding to ensure rigidity. Only lead bearing fittings shall be used for installation of braces.

H. LADDERS



- Ladders of suitable quality for offshore use and in good conditions shall be used.
- The foot of the ladder shall be supported on a firm and level surface. The ladders shall be fitted with non- slip feet.
- All ladders shall be inspected and colour code shall be done for “Fit for use” before putting ladders into use.
- Rungs spacing of ladders shall be not more than 30 cms.
- Ladders shall be placed at approximately 75 degree to the floor level. Example: 1 meter out of every 4 meter height.
- Contaminated ladders shall be taken out of service and cleaned.
- Ladders shall be positioned so that the stepping off rung is in level with the platform against which it rests. A ladder shall extend to a height at least 1.05 meters above the landing space.
- Ladders shall be used with clean footwear, free from mud, oil grease and the user shall face the ladder while ascending and descending. Always three point contracts shall be maintained to avoid a fall from the ladder.
- Ladders shall not be placed near live electrical wires or operational piping where safety hazards many occur.
- Top of the ladders shall be fixed to a stable support and tied securely with a strong rope or by other tie fittings.

- Ladders more than 4 meters in height shall be braced at Intermediate points to prevent sagging.



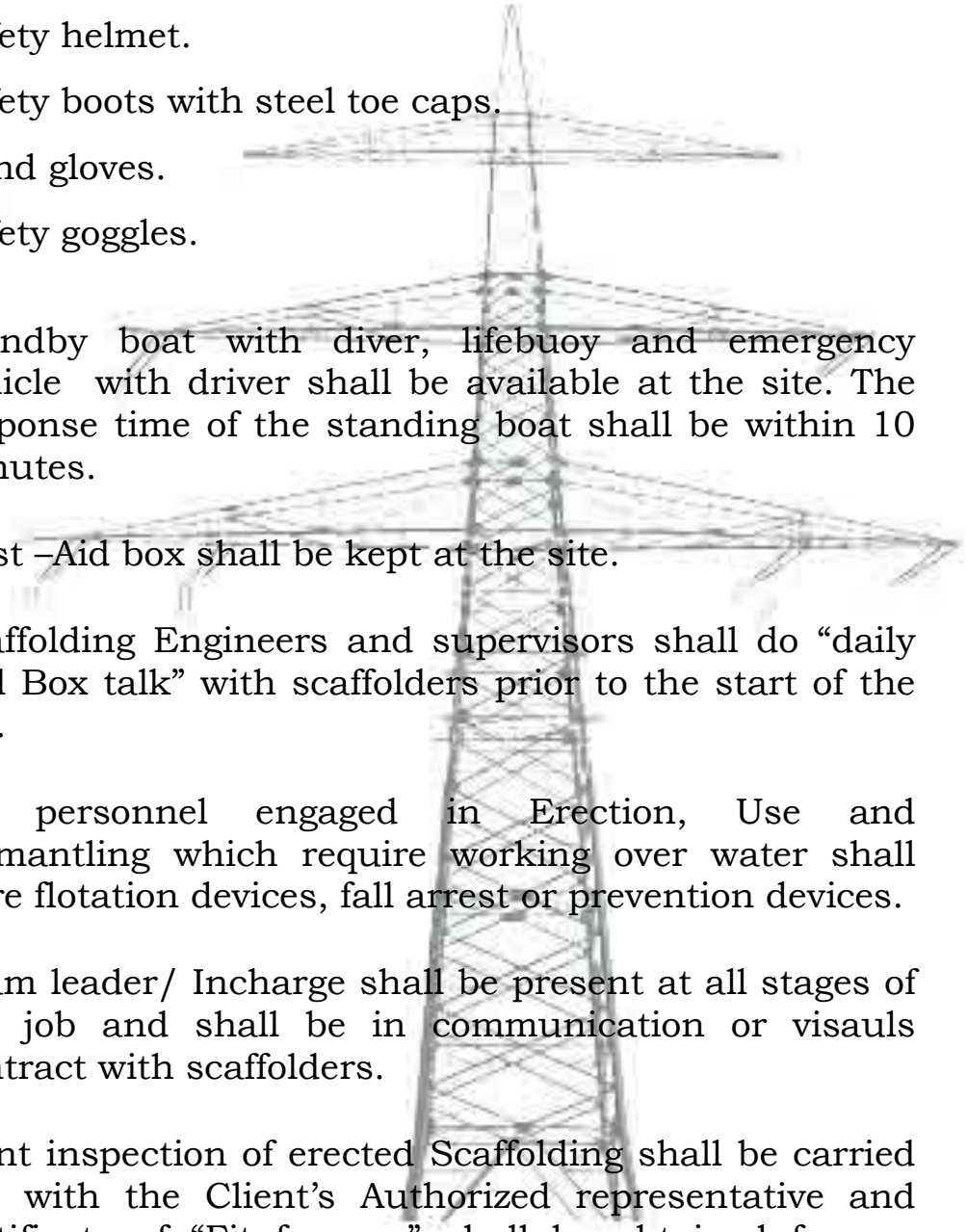
LADDERS

- Strength
- Rigidity (it must not sag, whip or sway too much)
- Durability
- Light and Portable

I. Control and hand over Procedures

- Scaffolding control and hand over procedures shall be given as given below:-
- The requirement and approval if the Marine Offshore Scaffolding work Permit and Access Request shall be obtained from a competent person authorized by the Client.
- Material Shall be collected from the Engineer's stores mobilized at the site.
- Scaffolding shall be erected by complying with the conditions specified below and all other requirements of the job.
- Scaffolding job of Erection, use and dismantling shall be done in the supervision of the company's supervisor.
- Adequate PPE shall be provided at the site to all crew members working one the scaffolding job.

- Life vest.
- Safety harness
- Safety helmet.
- Safety boots with steel toe caps.
- Hand gloves.
- Safety goggles.



- Standby boat with diver, lifebuoy and emergency vehicle with driver shall be available at the site. The response time of the standing boat shall be within 10 minutes.
- First –Aid box shall be kept at the site.
- Scaffolding Engineers and supervisors shall do “daily tool Box talk” with scaffolders prior to the start of the job.
- All personnel engaged in Erection, Use and dismantling which require working over water shall were flotation devices, fall arrest or prevention devices.
- Team leader/ Incharge shall be present at all stages of the job and shall be in communication or visauls contract with scaffolders.
- Joint inspection of erected Scaffolding shall be carried out with the Client’s Authorized representative and certificate of “Fit for use” shall be obtained from a competent person.
- If the scaffolding is erected for a longer duration of time, the scaffolds shall be inspected every 7 days or after any permitted modification on the scaffold or bad weather.

- Scaffolding tags near the access points of the Scaffold shall be attached at all times and permanent markers shall be used to complete the required formalities on the tags.

DO NOT USE THIS SCAFFOLD This saffold is being erected, already or dismantled SCAFFOLDING INCOMPLETE **DO NOT USE** Only employer authorized by competent personnel may access the erection Date..../...../..... Signature of Engineer	This Scaffold was erected, Completed and built to meet the standards. "READY FOR USE **DO NOT ALTER** Date...../..../ ..... Signature of Engineer

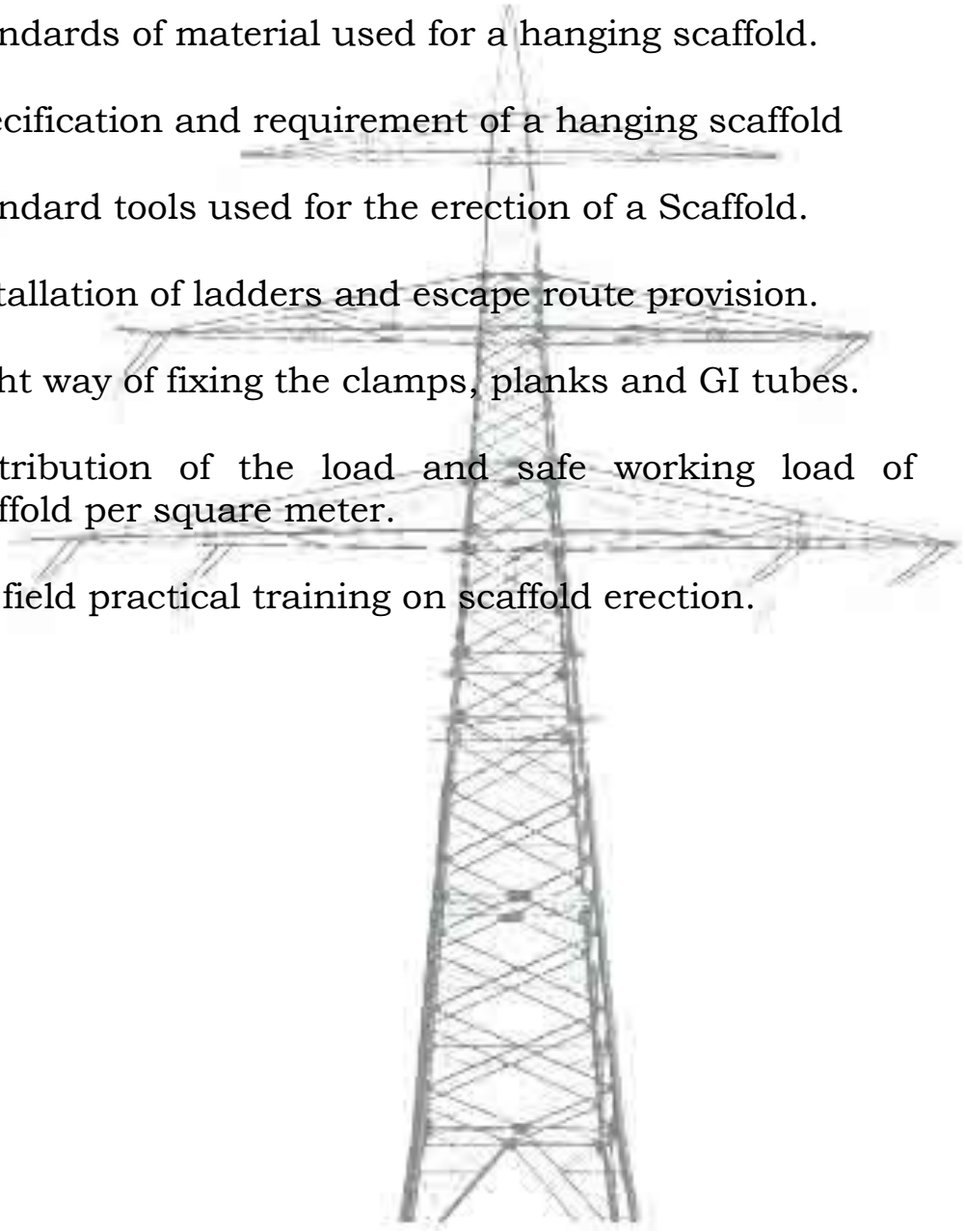
Work shall no be permitted during height winds if wind velocity is 30 miles/ hour (30 Mph) gusts or higher.

Scaffold distance between an insulated 220 vilt lines shall be at least 3 feet.

J. TRAINING

Supervisors and Scaffolders are trained from time to time by a trainer NV Q Level -2 or level -3 qualified in Offshore scaffolding. The following topics shall be at least shall be covered during training. It shall be ensured that scaffolders are provided technical and practical training required for the job.

- Types of scaffolding used for offshore jobs.
- Standards of material used for a hanging scaffold.
- Specification and requirement of a hanging scaffold
- Standard tools used for the erection of a Scaffold.
- Installation of ladders and escape route provision.
- Right way of fixing the clamps, planks and GI tubes.
- Distribution of the load and safe working load of scaffold per square meter.
- On field practical training on scaffold erection.



N. ATTACHMENTS

Annexure -1
Request for offshore Scaffolding
(Access Request form and work permit)

I hereby request that the scaffolding may be erected (tick whichever is applicable)

- Over Light Duty
- Light Duty
- General Purpose
- Heavy Duty or Special Duty

Fit for a load of ---------- kg/sq.m. (KN/Sq.m)

M/s ----------

Scaffolding

Contractor

Signature ----------
Name of Requester ----------
Date ...../...../.....

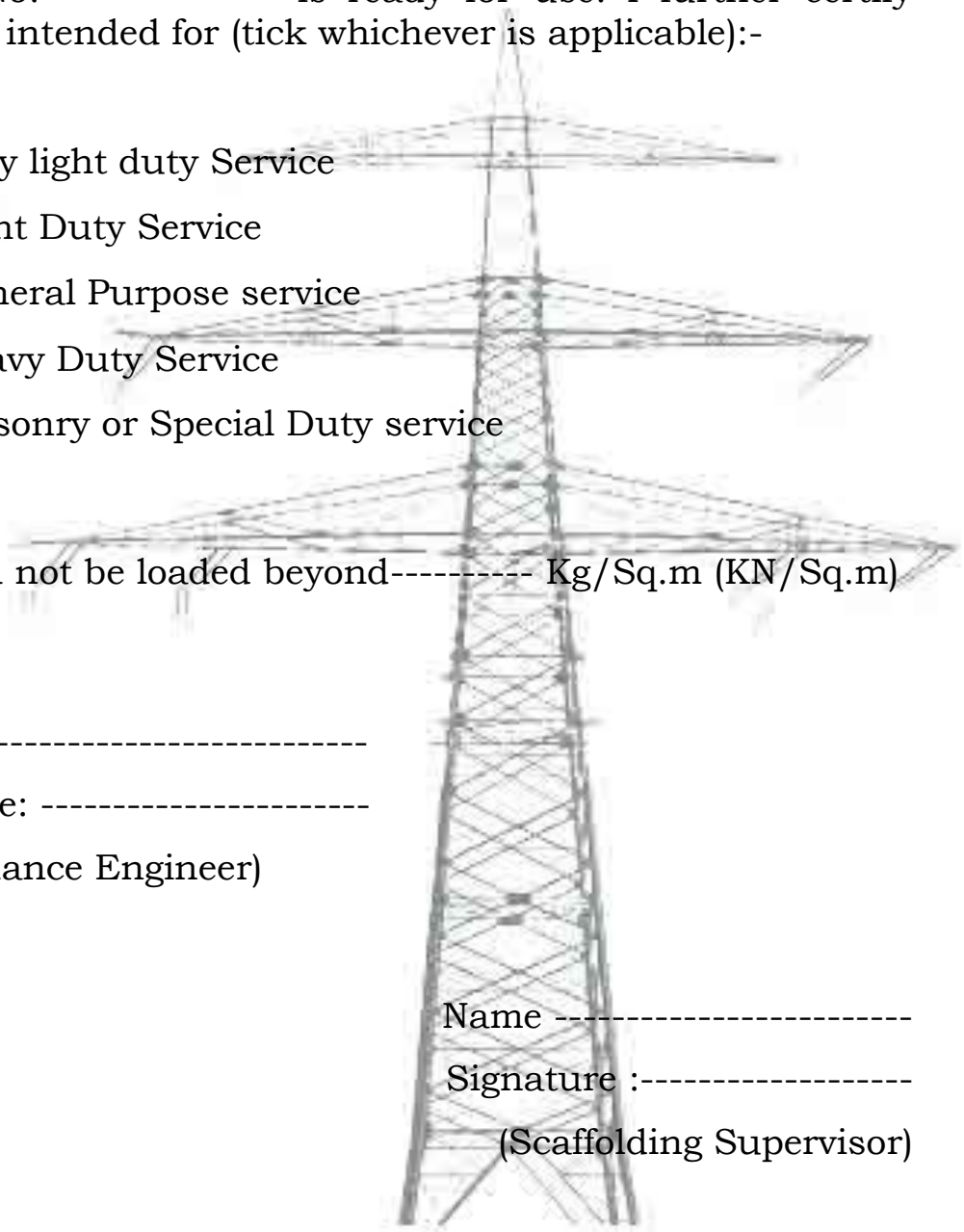
Approved for Erection Offshore Scaffolding
Engineering –in- Charge
(Authorized Personnel)

Date...../ ...../ .....

Certificate of Fitness of Scaffolding for use

I hereby certify that the Scaffolding erected for the Work Permit No. ---------- is ready for use. I further certify that it is intended for (tick whichever is applicable):-

- Very light duty Service
- Light Duty Service
- General Purpose service
- Heavy Duty Service
- Masonry or Special Duty service



It should not be loaded beyond---------- Kg/Sq.m (KN/Sq.m)

Name: ----------

Signature: ----------

(Maintenance Engineer)

Name ----------

Signature :----------

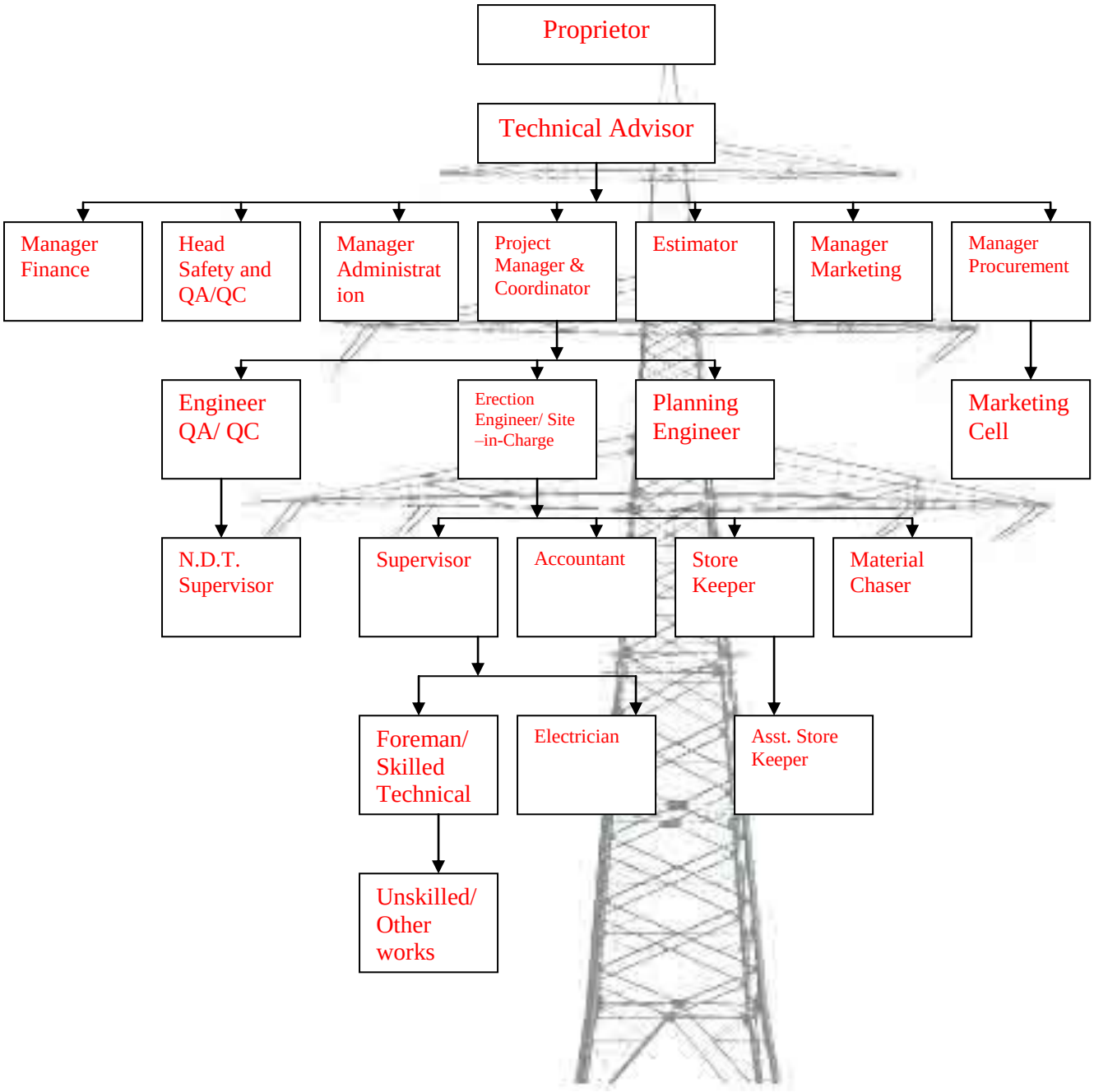
(Scaffolding Supervisor)

M/s ----------

(Scaffolding Contractor)

Date: ...../..../.....

CURRENT ORGANIZATION CHART



COMMUNICATION

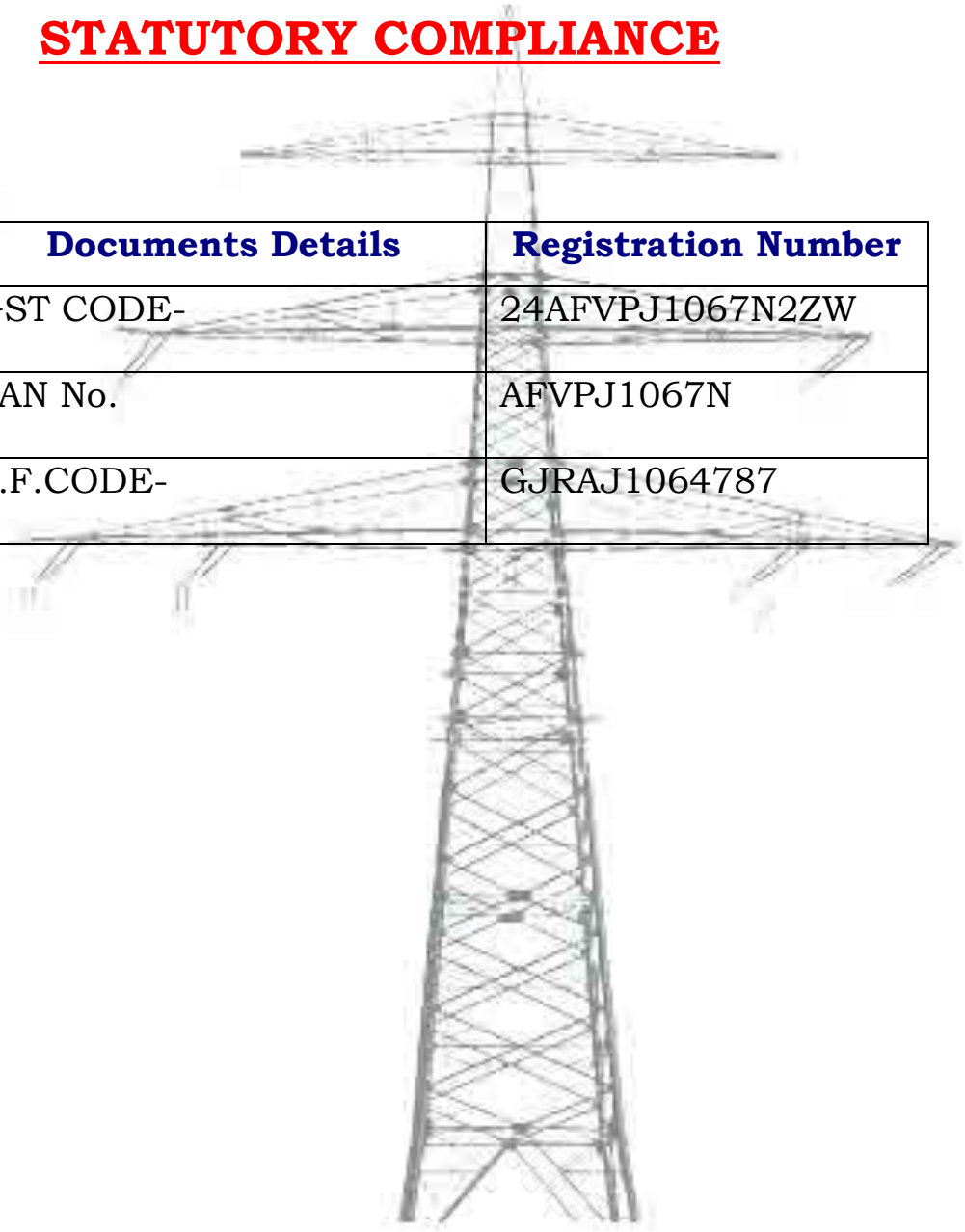
Communication means that which shall be used for effective and efficient completion of jobs meeting the requirement set by the client.

- Verbal work instruction at all levels.
- Minutes of the meeting within the company and management review meetings.
- Approved procedure/ Work Instructions from Engineer-in- Charge.
- Feedback information from all the concerned persons/ agencies.
- Interfacing at various levels within the company and the client through meetings reviews, amendments, revisions, audit reports and telephonic contracts.

IMPORTANT TELEPHONE NOS.

Name of Person	Contract Details
Sanjay Kumar Jha	+91-9999228888
Jitendra singh	+91-9377675493
Uday Thakur	+91-8053991923
Sudhakar kumar	+91-8153003613

STATUTORY COMPLIANCE



Sr.No	Documents Details	Registration Number
1	GST CODE-	24AFVPJ1067N2ZW
2	PAN No.	AFVPJ1067N
3	P.F.CODE-	GJRAJ1064787

IN HOUSE TRAINING

A&T ENGINEERING

Venue:- Regd.office-Asha Lata park c-130,kamla nagar ,Ajwa Road, Vadodara,Gujarat -390019.

Topic: Basic Training for safe Scaffolding

Date	Participants	TOPIC	Signature

Sanjay Kumar Jha

TOOL BOX REPORT

Frequency: ----------

Plant: ----------

Dept/ Section: ----------

Location: ----------

Subject : ----------

Date of Tool Box talk given ..../.../.....

Sr. No.	Main Points Explained	Name of Persons resents	Remarks
1	Value of Personal Protective equipment		
2	Safety at heights		
3	Value of life in each individual and company		
4	Spotting of Hazards		

Tool box Talk given by --------- Designation : ----------

Signature :------- date.../.../....

Reviewed by ..... Designation .....

Signature .....date ..../...../....

RISK ASSESSMENT SHEET

Date: ...../...../.....

Main Activity: Seaffolding erection and dismantling

Location ..... Next Review Date ..../..../....

Activities with Sub activities	Hazards	Control Measures
Scaffolding erection and dismantling		Work Permit System
		Scaffolding and Ladders
Shifting of Scaffolding material to site	Physical injury	Use trolley
Shifting of Scaffolding Material to site	Fall of men into water	Use life jacket
		Keep boat standby for emergency rescue
	Fall of material into water	Always use ropes for lifting and lowering materials
		Tools to be tied up with rope to avoid falling from height
Scaffolding erection and dismantling	Physical Injury during work	Use of Inspected tools
		Use of Mandatory PPE
		Use of PPE (Safety Belt)
		Trained Personnel
		HSE- S212
		Securing tools
		Keeping pockets empty
		Area Barrication
		Not to stand on Equipment/ Piping and Instruments
		HSE-S214
		Trained Personnel
		Use life jacket. Keep boat standby for emergency rescue
		Always use ropes for lifting and lawering materials

Name: ..... Designation .....

Signature: ..... Date...../...../.....

Reviewed by : ---------- Signature : ----------

Date: ...../...../.....

SCAFFOLDING INSPECTION CHECK LIST

Main Contractor: ----------
Sub Contractor: ----------
Job Description: .----------
Job Description: ----------

Scaffold Location ----------
Date Erected : ...../..../.....
Scaffold Supervisor ----------

A. Scaffolding Authorized by		Yes	No	N/A	Remarks
1	Has the request for scaffolding been				
2	Has the certificate of fitness of scaffolding been signed by a scaffolding supervisor and maintenance engineers?				
3	Is the scaffolding erected as per load duty requested?				
B.	**Scaffolding Materials**				
1	Area the board/ Plank free from decay or visible crack of 5cm without metal strapping?				
2	Are the scaffold tubes straight and free from heavy rust.				
3	Area the scaffold fittings used free from defect?				
C	**Rigidity and Stability of Scaffold**				
1	Is the scaffold resting on firm support with proper claming arrangements?				
2	Is the anchorage/ clamping of the scaffold sound and are the bay lengths maintained as per maximum intended load.				

3	Is the scaffold adequately braced longitudinally and transversely to the complete height?				
4	Is the gap between the scaffold and the structure not more than 200 mm?				
5	Is the scaffold tied to the structure?				
6	Is the distance between two standards not more than 2.4M apart?				
7	Is the scaffolding erected as per load duty requested?				
8	Area all standards and ledgers fastened together with effective couplers or locking devices of equivalent material with no loose parts?				
D.	**Walking Platform (Inclusive of Walkway and Guardrails)**				
	Area the walking platforms closely boarded?				
	Is the width of the walking platform not less than 635 mm				
	Are the boards resting on a support and are they secure?				
	Are the intermediate guardrails provided and properly secured and placed on the side of the standard?				
	Are the toe guards adequately provied on the inside of the standard.				

E	**Ladder and Tags**				
	Is the access ladders properly secured with its top end at least 1.0M above the landing platform?				
	Is the ladder provided with an intermediate landing platform at every 9 M?				
	Is the escape route provided with a ladder at every 30m interval?				
	Area “Ready to Use” tags displayed				
F.	**Safety Requirements**				
	Is the designated standby boat available on the site?				
	Are life jackets available				
	Are First Aid boxes available at the work site