



# COMPANY PROFILE

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## INTRODUCTION

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NA SYSTEMS PVT LTD. is a Mechanical, Electrical and Plumbing contracting company in MUMBAI specialization in design, build, construct, supply, install, service, upgrade, maintenance of Electro-Mechanical Systems & Networks, Utilities and Equipment. Our scope covers Engineering, Documentation, Submittals Approval, Shop drawings, Coordinating Drawings, Commissioning, Start-Up, As-Built ACC. To Contract Programs, Project Time Schedules – Complying Consultant Specifications, International Standards & Codes, Safety & Quality Plans.

Our Business activity extends to cover all areas of electro-mechanical works including but not limited to:

- Substation & Plants Works
- Electrical Networking & Works
- Low Current Networks
- Tele-Communication & Security Systems
- Piping & Plumbing Works
- HVAC Works
- Ducting & Thermal Insulation Works
- Fire Fighting Works
- Industrial Installations Works

NASPL works with the highest efficiency and in accordance with the latest technologies in conformity with international standards of quality, security and safety. we utilize trained and experienced staff for the implementation and delivery of projects with commitment to contract terms, conditions, and preservation to the environment.

NASPL has specialized Departments and each department is divided to cover the different types and styles of property, plants, buildings and construction . The divisions based on distinctive features are as follows:

- Healthcare & Pharma
- Commercial & Businesses
- Administrative & Organizations
- Governmental & Public
- Educational & Cultural
- Trade Centers & Malls, Hyper
- Sport & Clubs
- Industrial & Factorial

We execute all projects in accordance with technical and financial strategies to fit the distinctive character of the construction projects and to achieve the maximum benefit for our customers.



**AN MEP ENGINEERING FIRM DEDICATED TO  
MEET THE SPECIFIC NEEDS OF ANY PROJECT.**

## BACKGROUND

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NA SYSTEMS PVT LTD . Is a major player in Electro-mechanical fields has a good C.V for Supplies and Turnkey Projects and well known customers in the Indian market.

Our Primary purpose is to complete the supply, install, service and upgrade chains in the Electro - Mechanical fields. With our staff experience and technical know-how,

We have become a one stop solution for our clients' total Electro-Mechanical needs. NASPL enjoys a strong presence on various markets in:

- TRADING
- CONTRACTING
- SERVICES
- MAINTENANCE
- MANUFACTURING
- DEVELOPMENT

Within a very competitive position, this is the result of high efficiency and full autonomy in phases of:

- PLANNING COORDINATION
- ENGINEERING PERSONALITY
- QUALITY CONTROL
- AFTER SALES

Today NASPL is one of the leading MEP Contractors operating in MEP sectors, and is capable of offering full range of Contracting, Engineering Services in the fields HVAC System, Energy, Electrical, Lighting, Electro-mechanical (MEP), low current systems, Safety & Security, Measurements & Meters, Process Equipment, Motors, Generators, Pumps, Water, Drainage, Plumbing, Pipe lines & Fittings, Factorial Installations, and Automatic Control, BMS & Automation

Every day, NASPL offers (Optimum & Economical) Quotes to its customers, required for MEP Services & Solutions according to approved standards and an ever wider range of Products & Services.





**WE BRING**  
**LIFE**  
**TO GREAT**  
**STRUCTURES**



# BUSINESS SEGMENTS

## ELECTRICAL

- POWER DISTRIBUTION SYSTEMS
- LIGHTING CONTROL
- POWER GENERATION
- LOWCURRENT SYSTEMS
- TELEPHONE & DATA SYSTEMS
- HOME AUTOMATION
- MATV SYSTEMS
- CCTV
- FIRE DETECTION & ALARMS
- ACCESS CONTROL SYSTEMS
- AUDIO /VIDEO INTERCOM SYSTEMS
- INDUSTRIAL PROCESS SERVICES.
- P.A. SOUND SYSTEMS



## PLUMBING & PUBLIC HEALTH ENGINEERING

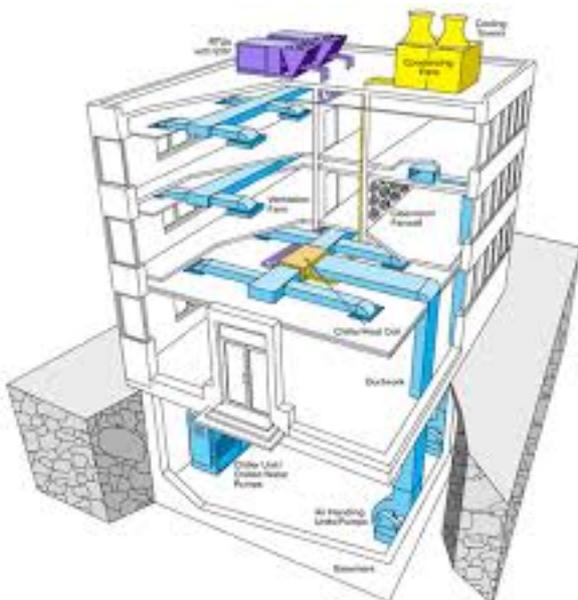
- HOT & COLD WATER SUPPLY SYSTEM
- WATER FILTRATION SYSTEM
- IRRIGATION SYSTEM
- SWIMMING POOL
- DRAINAGE
- SANITATION
- RAIN WATER
- SEWAGE TREATMENT
- LPG/NG SYSTEM





## HVAC INSTALLATION & DUCTING SYSTEMS

- G.I & P.I DUCTING INSTALLATION SYSTEM
- CHILLED WATER PIPING SYSTEM
- PACKAGE UNIT S, DX UNIT SAND FAN COIL UNIT
- INSTALLATION
- VENTILATION SYSTEMS
- ECOLOG YUNIT INSTALLATION S YSTEMS
- KIT CHEN HOOD EXHAUST AND FRESH AIR SYSTEM
- CHEMICAL FLUSHING & 3RD PARTY TESTING
- REPORTS
- AIR BALANCING SYSTEM AND CERTIFICATIONS



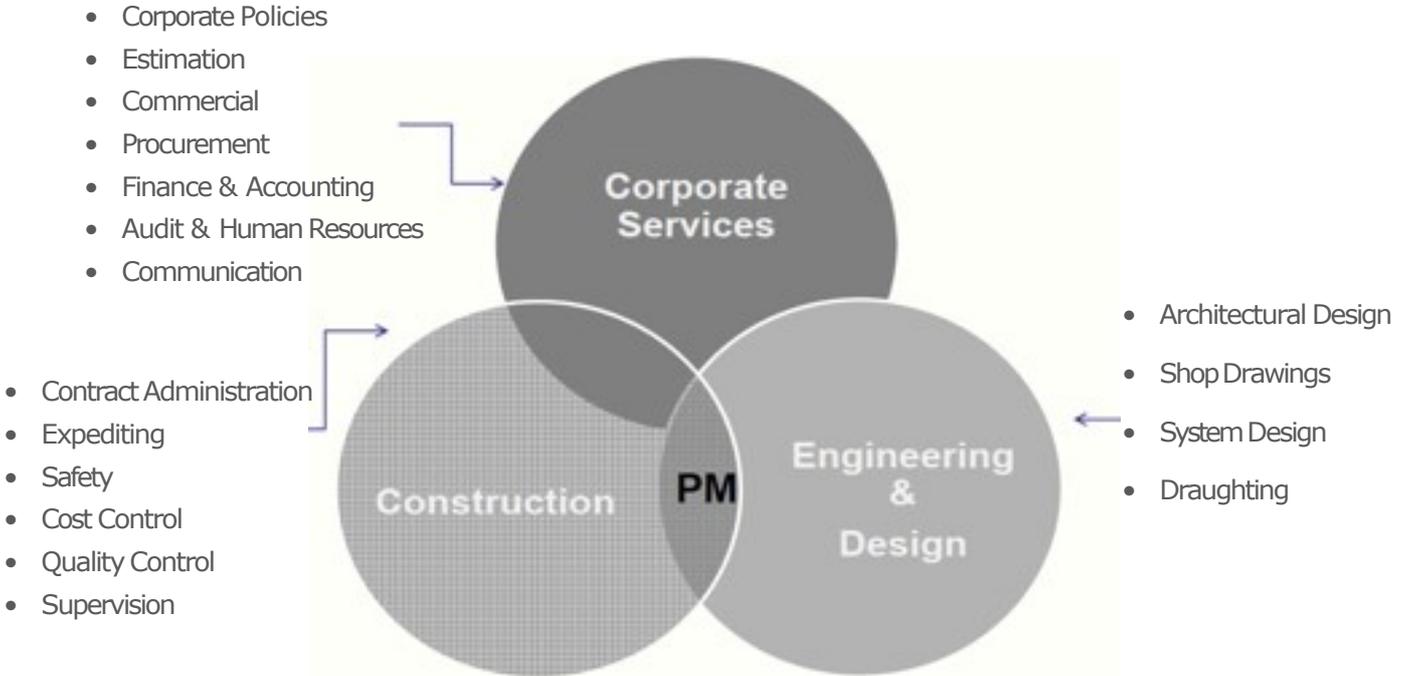
## FIRE FIGHTING & FIRE ALARM INSTALLATION SYSTEMS

- FIRE FIGHTING - SPRINKLER INSTALLATION & MODIFICATION SYSTEM
- FIRE ALARM - INSTALLATION & MODIFICATION
- FACP PROGRAMMING, TESTING AND COMMISSIONING
- EMERGENCY /EXIT LIGHTING SYSTEM
- CIVIL DEFENSE APPROVALS & EHS CERTIFICATION.
- FIRE SUPPRESSION SYSTEM

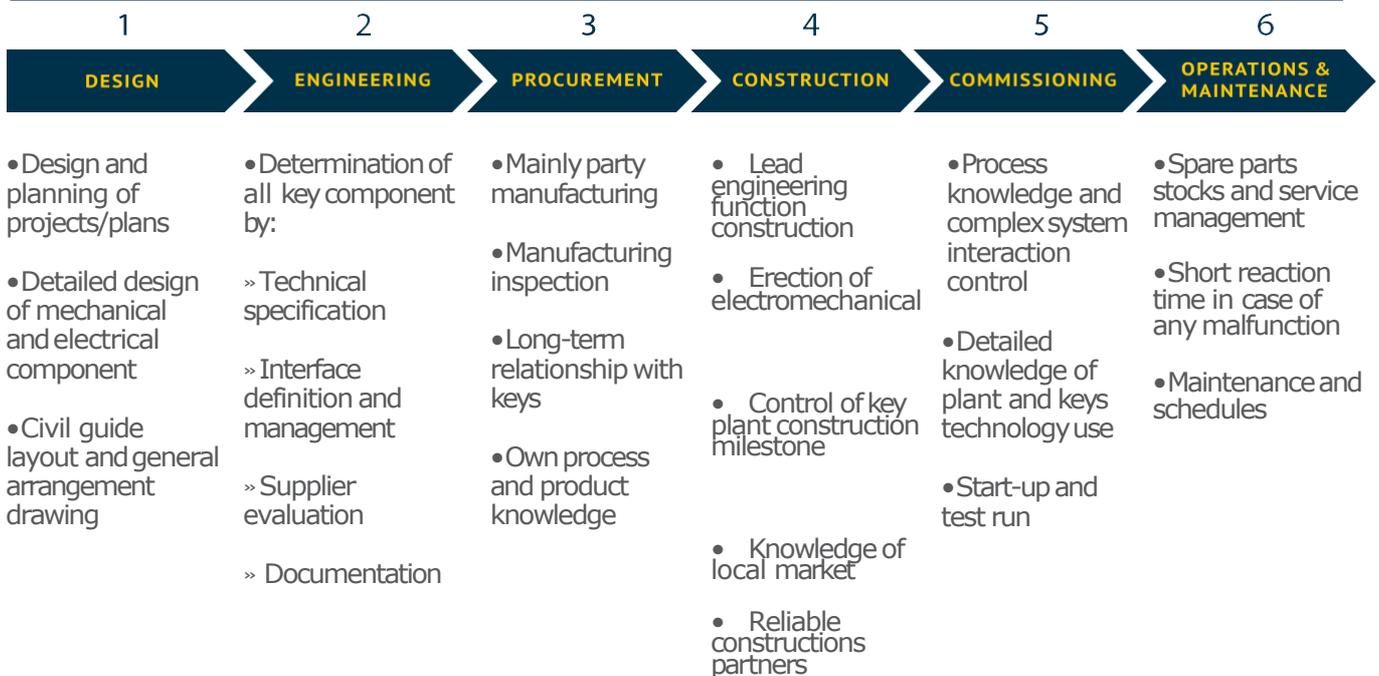


# BUSINESS OPERATOIN

## OPERATIONAL ACTIVITIES



## PROJECT MANAGEMENT



# PROJECT MANAGEMENT

## PROJECT TEAM

- Experienced management teams provide detailed attention throughout the project, from design, review, and implementation.
- Qualified superintendents, trained in document, project and data control processes, are assigned to project types in which they have specific experience and expertise.
- Proven estimating skills and systems manage costs and contracts with cross-training for all levels of employees.

## PROJECT KEY STEPS



## PROJECT CRITICAL PATH & DATA MANAGEMENT

### CRITICAL PATH SCHEDULES

- Consistent utilization of critical path schedules to plan, manage and control projects.
- Tracking of long lead time items, permitting critical path tasks and adjustments for unforeseen weather conditions.
- Durations includes start and end dates key milestones work scope and deliverance for all phases of the project.



# PROJECT QUALITY PLAN

## 1. PURPOSE & SCOPE

The purpose of this quality plan is to define specific key requirements related to quality performance and ensures a thorough understanding of such by all project parties concerned.

Through PQP awareness and implementation the performance of the engineering, procurement construction and support functions may effectively and efficiently achieve their objectives and provide the Client with a Project that fulfills their quality requirements and expectations.

The PQP is supplemental to NASPL Quality Management System (QMS) and provides the Mechanism to link specific requirements of the Client / project to those of NASPL quality system.

In summary the PQP details the activities and responsibilities related to:

- Mobilization
- Engineering
- Procurement and Material Management
- Planning
- Execution
- Coordination for Major Subcontractors and Specialists
- Quality Control
- Contracts Administration
- Document Control
- Warehousing
- Quality Assurance
- Site Administration

And ensuring that these related activities are planned, implemented and controlled and their progress and Effectiveness is monitored.

The above summarized and referenced key activities are further expanded upon within the following PQP

## 2. PROJECT IMPLEMENTATION

Necessary project planning and controls shall be established as part of the developed NASPL

Quality Management System and as appropriate the quality plan refers to this documentation under the key Activity headings within this section.

## **MOBILIZATION**

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Mobilization is defined as the period starting from contract award and continuing until all Construction Support facilities and infrastructure is complete. Key activities and controls to be established are:

- Programs - design / procurement / construction
- Plant and equipment approved budget
- Organization and staff resources
- Document control system
- Procurement tracking system
- Project Quality Plan (including method statement scheduling)
- Project Safety Plan
- Setting up of site offices, accommodation, temporary works.
- Initiation of early temporary or permanent work materials procurement

## **ENGINEERING**

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Review of contract drawings, specifications obtain / provide clarifications, coordinate among all related Disciplines and produce shop drawings within performance parameters. Key activities and controls to be established are listed below:

- Shop Drawings
- Production program
- Organization of engineering personnel
- Identification, notification and implementation of changes
- Drawing submittal

## **PROCUREMENT AND MATERIAL MANAGEMENT**

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To prepare technical packages comparisons for permanent materials and to secure competent and reliable sources for procurement. Key activities and controls to be established are:

- Procurement program
- Preparation of material submittal for Client approval in accordance with the terms of contract agreement, contract scope of work, approved drawings and specifications
- Approved material deliveries to the project warehouse
- Procurement tracking report on suppliers

## PLANNING

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To develop planning schedules, monitor, accommodate changes and report progress. Key activities and controls to be established are:

- Mobilization program covering all aspects of mobilization, design, procurement and early construction activities
- Detailed construction program
- Program review
- Work package program for subcontractors
- Program Monitoring and control

## EXECUTION

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Execute the construction program within the set performance parameters defined by approved shop drawings, approved material submittals and approved quality controls. Key activities and controls to be established are:

- Short term programs to direct and control the works
- Weekly productivity reporting /Planned vs. Actual Progress
- Weekly procurement reporting
- Formal pre-qualification of subcontractors and suppliers
- Weekly design progress reporting
- Method statement schedule and update as necessary
- Inspection and test planning (Process Control Sheets)
- Monthly quality performance reporting
- Monthly safety performance reporting
- Monthly update of the contract program

## COORDINATION OF MAJOR SUBCONTRACTORS AND SPECIALISTS

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Coordination of technical matters, material procurement deliveries to site and site progress. Key activities and controls to be established are:

- Monitor material and drawing submittals and timely processing of such with client for approval
- Coordination with internal / external parties to ensure potential problems are lighted and reported.
- Monitor and report on progress and performance at scheduled weekly progress meetings

## QUALITY CONTROL

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To carry out the QC activities required for achieving compliance with defined plans and specifications through the organization of respective works on site and monitoring quality activities. Key activities and controls to be established are:

- Coordination of the review of subcontractors /supplier quality related documentation and QA / QC resources
- Preparation and monitoring of defined process control documentation , inspection and test planning and associated work execution
- Establishing coordinated inspections and tests and associated records
- Recording of observations /non-conformance and corrective /preventive actions

## CONTRACT ADMINISTRATION

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Monitor, administer and protect the Company's contractual and financial relationship with client, consultant, subcontractors and suppliers. Key activities and controls to be established are:

- Settlement of the final account and final cost.
- Monthly Interim Application for payment.
- Identification, recording and notification of changes which may be identified through any of the following:
  - Variations arising during the preparation of shop drawings.
  - Changes in the scope suppliers /subcontractors /specialist work.
  - Request for clarification.
  - Meetings with the client.
  - Corrective actions identifying errors or omissions in the contract documents.
- Comprehensive file of each subcontractor / supplier / specialist shall be maintained including signed copies of the subcontract / supplier / specialist, progress and approved payment vouchers.

## DOCUMENT CONTROL

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NASPL Document Control Department and associated processes and procedures will as appropriate be utilized to develop and implement the following controls:

- Receiving Documents and Workflow Tracking
- Generating Documents
- Document Security, Retrieval and Disposal
- Generating Internal Document

## WAREHOUSING

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Receive, store, protect and distribute materials as required by construction. Key activities and controls to be established are:

- Ensure permanent materials are acceptable prior to release for site use
- Status recording and reporting of materials arrival and notification to concerned construction team
- Upon delivery of material at site the following initial verification will be carried out:
  - Inspection of delivery documentation against the Purchase Order
  - Checked for quantities under, over and obvious damage Notification to site QC for inspection

## QUALITY ASSURANCE

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To carry out the quality assurance activities required for achieving compliance with defined plans, manuals, processes, procedures, and method statements. Key activities and controls to be established are:

- Provision and maintenance of a documented QMS
- Internal audits of documented QMS
- Provision of in-house training on the QMS to project personnel
- Performance reporting for Management Review

## SITE ADMINISTRATION

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To provide a wide variety of administrative services to the project, including the maintenance of personnel files, handling and storage of consumable materials related to administrative services. Key activities and controls to be established are:

# PROJECT REALIZATION

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## 1. INTRODUCTION

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When the process of achieving results is planned, designed and managed effectively, the quality of the end result becomes predictable. To achieve this project goal, assigned key project team members shall plan and develop processes and associated supporting documentation that will encompass a systems management approach. The organization shall implement defined methodologies and monitor their effectiveness and efficiency in order to provide control of the quality of project activities.

## 2. SHOP DRAWINGS PRODUCTION

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A project management coordination role shall be established by the Engineering Department and key responsibilities, authorities and interfaces (including those with the Client, Sub-contractors and/or Suppliers) shall be clearly defined. Verification reviews shall be in accordance with the standard construction criteria. The production of shop drawings to complete the work shall be made under the direct control of the Company Engineering function at Our Office

## 3. PURCHASING CONTROL

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NASPL aims to establish sound supplier and subcontractor relations in order to develop a mutually beneficial relationship that improves the ability of all parties to create value to a project. Assessment and recording of new and existing suppliers / subcontractor's capabilities and performance shall be implemented by the Company Supply Chain Department (SCD) at Office in liaison with project management. Effective controls shall be implemented to ensure that the interfaces between suppliers /subcontractors, project management and the Client are clearly defined whilst delivering products or services to the project that meet with the specification requirements.

## 4. CONSTRUCTION

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These activities relate to a wide cross section of resources, including a wide base of personnel, skills, plant and equipment. The Company shall ensure by careful planning the provision of proper project controls during work execution, and satisfactory resourcing for the projects. Such controls will be defined within the following quality system documents:

- Project Quality Plan (PQP)
- Department manuals /programs
- Processes
- Procedures /method statements
- Records (forms / formats)

For specific elements of production that are difficult or impossible to immediately validate, (e.g. concreting, painting, welding, etc.) work procedures and/or method statements shall be established for approval prior to the commencement of the work process to ensure that the correct result can be achieved.

## **5 IDENTIFICATION AND TRACEABILITY**

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Appropriate methods shall be established by both NASPL (HO) and on site for identifying and recording the identification, and traceability status of materials, products, services throughout all stages of the project as defined in the respective processes for Procurement and Quality Management.

## **6 PRESERVATION**

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Throughout construction operations, appropriate methods of identification, handling, packaging, storage and protection shall be employed to ensure that all goods, materials, product and site provisions are properly protected from damage, deterioration and loss.

This is also important with regards to property belonging to the Client, which may include intellectual property (e.g. designs, drawings) and project site itself.

## **7 MONITORING AND MEASUREMENT DEVICES**

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NASPL will determine the extent of monitoring and measurements to be carried out on a project-to project basis. Suitable measurement and monitoring devices shall then be selected and used to provide evidence of product conformity.

Systems will be established to evaluate the validity of measurements taken should the relevant measurement by the said equipment be out of calibration.

Effective controls shall be established for Company laboratory and survey equipment, determine as requiring periodic calibration, where consistent verification measurements on product conformity are essential.

Similarly, subcontractors monitoring and measurement devices shall be identified, reviewed and confirmation of their calibration status made.

## **8 . MEASUREMENT, ANALYSIS AND IMPROVEMENT**

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This element of project control shall be planned in order to provide a clear organization-wide approach to continual improvement of the project performance of key project activities (i.e. Key performance Indicators) and shall be regarded as permanent Company objective.

Elements of control shall focus on four (4) areas of the Company activities:

- Product conformity- by monitoring and measuring the product (QC)
- Quality management system conformity - by internal and intrinsic audit (QA)
- Continual improvement of the effectiveness of the quality management system by:
  - a. Internal audit (QA)
  - b. Monitoring and measurement of the processes
  - c. Evaluation of appointed Suppliers & Contractors

The analysis of data in relation to the results from the above elements of control shall be collected and reviewed in order for management to evaluate where best to deploy appropriate improvement action plans and resources.

## **9. CORRECTIVE ACTION**

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NASPL has developed and established a procedure that details and records the corrective actions taken to eliminate the cause of non-conformities in order to prevent their recurrence. Corrective action implemented will be appropriate to the impact of the problem encountered.

## **10. PREVENTIVE ACTION**

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NASPL has developed and established a procedure that details and records the preventive actions taken to eliminate the cause of potential non-conformity in order to prevent their occurrence.

Preventive action implemented will be appropriate to the impact of the potential problem encountered.

## **4 . 0 PROJECT MANAGEMENT RESPONSIBILITIES**

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The goals set by NASPL executive management relevant to the success of the Project shall be effectively communicated throughout the organization and such responsibilities, authorities etc shall be defined and performance monitored on an ongoing basis.

Appropriate communication channels shall be established within the project organization including interfaces with external parties.

A summary of the responsibilities for key project functions is given in within this Section, in line with those specific project responsibilities defined with the relevant NASPL manuals, processes, procedures, method statements etc to be implemented on the project.

## QUALITY POLICY STATEMENT

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NASPL firmly believes that our systemic and business processes, professionally followed and well accomplished by our enthusiastic staff, clearly indicates our care and continuance in providing high levels of our quality works, customer service and customer satisfaction.

NASPL strives to consistently providing quality engineering with reliable and efficient maintenance services, subject to total compliance on all its requirements, and where possible exceeds the expectations of our customers.

NASPL focuses on training and development of its personnel through flexibility and adaptability to service the overwhelming transforming business environment, by innovative working techniques and continuously improve the efficacy of our design and building management systems.

We will ensure that all our staff having good knowledge and understanding of our quality objectives, working towards meeting the system requirements, and committed to developing processes and promoting new ideas.

To address and achieve and ongoing progress in quality service and customer satisfaction, NASPL will maintain, review and revise its quality objectives and targets annually

NASPL will conduct quality audits and reviews on all operational activities at least once a year, and will allocate human, financial and other recourses appropriately in order to achieve targeted results.

Currently, NASPL is committed with established quality management system, both administrative and operational, to work towards continuous improvement on its quality performance.

## ENVIRONMENTAL MANAGEMENT POLICY STATEMENT

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NASPL aims at preserving the environment for our future and provides its support to free the planet from CFCs. We will identify and better manage our environmental risks and opportunities.

NASPL closely observes and works with employees, clients, suppliers and other related organizations to upgrade our enduring operational strategies and working procedures to best practice standards.

NASPL prime target operationally is to eliminate our negative environment impact by whatever possible minimizing the wastage, and prevent the usage of environmentally unfriendly products, while endeavoring to maximize our positive environmental impact and better living conditions.

We will keep up and maintain the environment around us clean and safe, and regularly monitor, raise alarm and respond to any hazardous environmental situation observed.

NASPL ensures that its activities will always comply with the Government's Environmental Policy, follow and maintain them in all our administrative, operational, logistics and site areas of our projects.

NASPL affirms that all managerial and supervisory staff are accountable for environmental performance in their area of responsibility.

## HEALTH AND SAFETY POLICY STATEMENT

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NASPL firmly believes in the significance of health and safe working practices of our employees, as it forms the fundamental part of the effectiveness and efficiency of our management. Furthermore, as an organization and the employer, we do acknowledge our commitment, so far as is reasonably, in ensuring for the health and safety of our employees, public health and not to endanger our environment.

NASPL recognizes that in our duties and responsibilities to our employees, the foremost requirement is providing and maintaining hygienic conditions, healthy environment and safe work practices in addition,

NASPL also comprehends the relationship between efficiency and safety in terms of cost control, losses, ill health and the lost time injuries due to accidents and near misses.

Every managerial and supervisory staff shall apply the organizations safety policy and all legislative provisions in their areas of control and execute all reasonably practicable measures to provide a healthy and safe working environment.

We also consider that every employee in our organization has an individual responsibility ensuring strict adherence to company's and all legislative safety requirements and it is their obligation working with the management in maintaining good standards of Health & Safety.

Furthermore, NASPL will conduct induction program and provide training and instruction to enable employees to carry out their duties in a safe and efficient manner, and as well make all necessary devices and protective equipment issued and supervise its use as required and will involve staff on all discussions to improve Health & Safety.

NASPL will ensure effective consultation and co-operation with persons of other organization where both party's works involved on the same area, where either party's operations may affect either organization's employees.

To ensure effective implementation of this policy, NASPL will make adequate financial, human resources available, with a review of the policy annually and the Management systems every six months carrying out audits to ensure compliance with the policy.

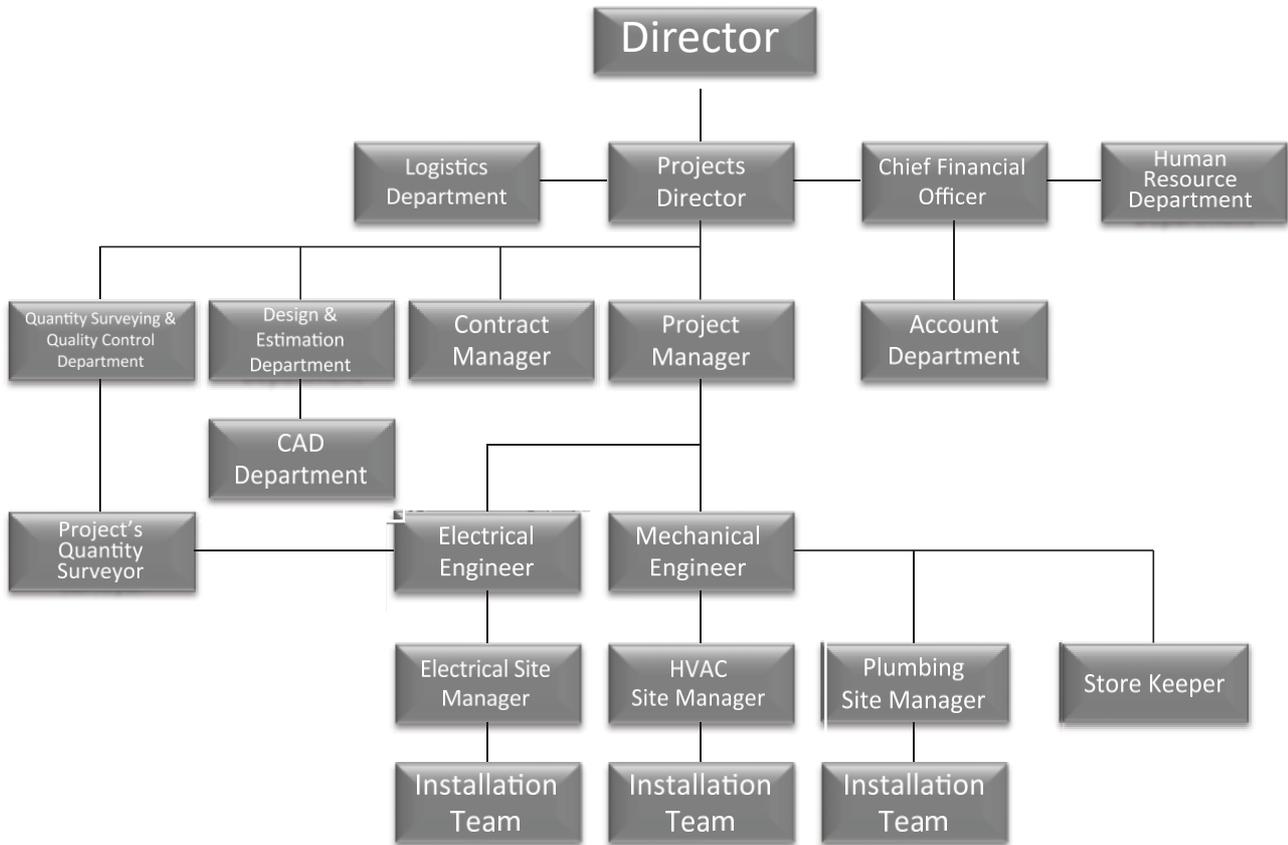
Our statement of general policy is:

- to provide adequate control of the health and safety risks arising from our work activities
- to consult with our employees on matters affecting their health and safety
- to provide and maintain safe plant and equipment
- to ensure safe handling and use of substances
- to provide information, instruction and supervision for employees
- to ensure all employees are competent to do their tasks, and to give them adequate training.
- to prevent accidents and cases of work-related ill health
- to maintain safe and healthy working conditions; and
- to review and revise this policy as necessary at regular intervals.

All employees have to:

- co-operate with supervisors and managers on health and safety matters
- not interfere with anything provided to safeguard their health and safety
- take reasonable care of their own health and safety and report all health and safety concerns to an appropriate person

# ORGANIZATION CHARTS



ORGANIZATION CHART



# NASPL CLIENT LIST



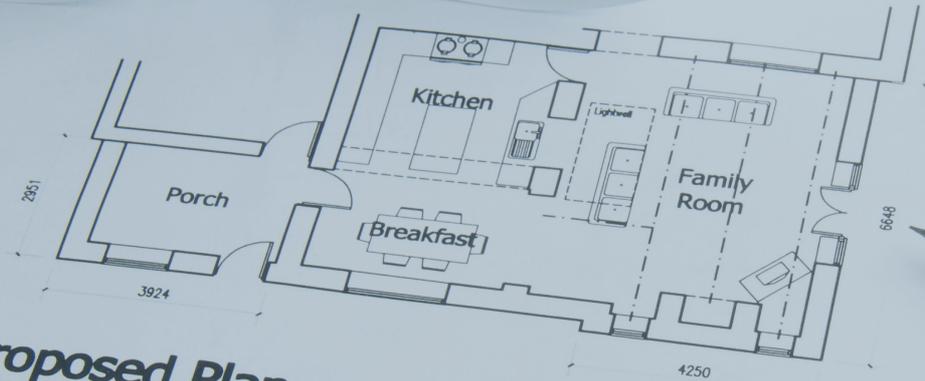
COVID ICU FACILITY,  
 KANDARPADA

COVID ICU FACILITY,  
 VASHI





**Proposed Plan**  
Scale 1:100



Project	Blair's Park, Bhatnagar
Drawing Title	Proposal - Plan and Sections
Client	M/A-Hud
Date	07/04/08
Scale	As Indicated
Drawn	Jadhav
Dwg No.	08/100/03

**FOOTING SCHEDULE**

HOUSE WALL	200 x 100 mm
DECK & PORCHES	150 x 100 mm
BEARING WALL	200 x 100 mm
GARAGE WALL	150 x 100 mm

Min 2 #4 (Equal Horizontal)  
on undisturbed or compacted soil

**" ... TOGETHER WE BUILD A BETTER FUTURE "**





## CONTACT US

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