***One of India’s leading producers of fertilizers and industrial chemicals,***

We are transforming our business through focus on Collaboration beyond boundaries, Relentless Focus on Results, Innovation, and unflinching commitment to deliverables and promises.

We are looking for individuals who enjoy working outside their comfort zone and are ready to accept challenges. We believe in achieving excellence in whatever we do. For this we provide a great degree of support through a combination of best of the systems & processes, employees’ capability building and their well-being.

We also place a considerable weightage to individuals who are proactive & self-motivated and have good inter-personal & social skills and have the ability to work in teams.

**JOB DESCRIPTION**

*Designation: Head-Process Engineering Function: Process Engineering*

*Location: Taloja Sector:Projects*

*Purpose of the Job:*

1. Exploration, Identification, Techno-Commercial evaluation of New Projects/old used plant for relocation for continuous growth in business volume for improving company top and bottom line /profitability to achieve the overall objective and goals of the company.
2. Process Evaluation and Technology selection, Finalization of most cost-effective project model, providing leadership direction to the team for review and approval of Basic and Detailed engineering documents, provide assistance in obtaining statutory approvals.
3. Pre-Commissioning/ Commissioning and successful performance guarantee tests of plant.

**Overview/ Responsibilities: As a Head-Process Engineering, you will be expected to:**

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| --- | --- |
| ***Key Accountabilities for the position*** | ***Major Tasks for the position*** |
| Selection & acquisition of technologies | 1. Identifying sources of technology
2. Study & Evaluation of suitability of process
3. High lighting salient features
4. Operating cost evaluations
5. Visits to similar facilities/plants-diligence
6. Interaction with licensor
7. Technical recommendations
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| Deliver Project in lowest Cost: Identification and acquisition of second-hand / used facilities | 1. Identify the suitable available opportunity
2. Obtain detailed information
3. Evaluate technical suitability for proposed relocation
4. Relocation scheme formation – proposed changes.
5. Technical inputs and concept for relocation cost estimates.
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| Evaluation of New investment proposals  | 1. Technical diligence
2. Proposal technical evaluation
3. Generate implementation concept
4. Generate preliminary specifications for proposal economic evaluation
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| Project Leadership (as Project Manager) | 1. Coordinate with Marketing on product quality and capacity matters
2. Lead communications with Technology licensor
3. Initiate License & Basic Engg. enquiries & obtain proposals
4. Coordinate with various operations heads and various disciplines for constraints, requirements and freezing between options
5. Collate information and organize project cost estimation.
6. Coordination to generate enquiries for obtaining budgetary cost offers.
7. Organize for initiating environment clearance procedure
8. Recommending project execution modes
9. Coordinate to generate detailed engg. enquiries and obtain offers for the same.
10. Monitor and provide Project progress information reports.

Prepare draft contract documents with Licensors, DECs etc. |
| Project Leadership: taking Project to Board approval stage | 1. Freeze product/by-product specs with marketing
2. Freeze production capacities
3. Freeze RM, Fuel and Utility specs with operations
4. Generate license and basic engineering enquiries and obtain their budgetary costs
5. Generate detailed engineering enquiries and obtain budgetary quotations
6. Estimate Project costs
7. Provide details of various Project configuration for corporate office.
8. Review and provide information of Project Financial (IRR-NPV) Appraisal of various options
9. Generate details of possible upsides on Project cost and performance.
10. Calculate improved IRR-NPV for various upside cases.
11. Generate Project Note for Approval by board & obtain board approval
12. Coordination for and preparation of draft contracts for engineering service, purchase of used plant and equipment.

Handover Project information to implementation team. |
| Project Leadership: Finalize Project configuration | 1. Provide Basic Inputs for development of Project configuration.
2. Provide various comparative Process scenarios for selection of Project configurations.
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| Project Leadership: Financial Evaluation of proposed Projects | 1. Generate & provide capacity and capability specifications of various items of proposed Project.
2. Generate and provide basic type and feature specifications of various proposed facilities.
3. Evaluate and review financial appraisals performed by other functions.

Indicate possible measures for capital and operating costs to meet target internal returns & NPV. |
| Performance evaluation of process plants | 1) Reliability and evaluation run – procedure finalizing2) Organize Data collection3) Organize Calculations and comparison4) Certification for Project closure or Corrective Engineering as applicable. |
| Deliver Safety in Design and Operation | 1) Freeze HAZOP procedures2) Review HAZOP report3) Check implementation of recommendations |
| ***Educational Qualifications*** | ***Total years of experience*** |
| Bachelor’s Degree in Chemical Engineering (from UDCT/IIT/NIIT/RECs/Reputed University) PG Diploma in Management Studies / Business Management – will be added advantage | Min 20 years of experience of which:* 3-6 years: Operation of Medium Scale Continuous Process Plants.
* 4-8 years: Technical Services Design / Performance Evaluation of Plant Machinery / Equipment.
* 5- 10 years: As Lead / Senior Engineer of various new Projects / Revamp / Debottleneck Projects
* 5-10 years: As head of Process Engg. Function
* 3-7 years: On Project techno-commercial evaluation assignments
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| ***Technical /Functional Expertise:***  |
| 1. Engineering: Chemical Engg in Project function
2. Management: Evaluation, Financial Appraisal, Design Engg & Execution of Projects

Business: Strategic technical & financial evaluation, Future Planning. |