Getting Started
with eresource NFRA ERP

Exclusive ERP for :
Construction, Infrastructure, MEP Contractors, EPC Contractors,
Architects, Oil and Gas Or any Project based Industrykes

Why eresource nfra ERP ?

eresoui ce Nfra ERP solution pi ovides comprehensive project iiafoi iiiation iiecessai y to answer all critical business, investment and opei attonal questions.

• The systems enables the project industiy to meet hudget and deadline commitments by iiianaging schedules, i'esources, and costs across all projects and programs.

• et esource Nfta ERP deals with core functional at eas such as Project Monitoring and Control, Sales Management, Tendering, Bill of' Quantities, Purchase and Supplier Mana-gement, €lnsite Enp=ineers Portal, Material Management, Labour and Contractors Management, Accounts Management and **Human** Resource Management.

• eresource Nfra helps capture and monitor all activities right from pre—execution stage to post execution. Management can access and manage onsite activities from anywhere at anytime.
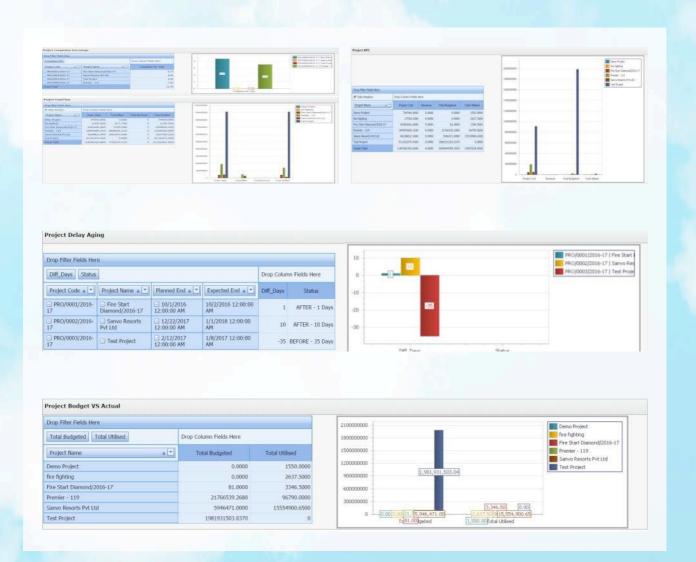
Business Challenges

- Cost Overruns Costs that run beyond estimates results in losses for firms. Some of the largest construction
- contractors have significant numbers of projects based on fixed price contracts, in which they bear the risk
  for cost overruns.

  Poor Visibility in material management, tracking and planning leads to Poor performance and Profitability.
- The billing process is also quite complex as invoices need to be raised at any phase of the project based on
  Progressive billing arrangement agreement between the contractor and the customer, hence it is essential
  for project cost visibility at all times in the project cycle.

  Uneven Revenues, Expenses On large projects, prime contractors handle more complicated cash flows,
  including progress payments to subcontractors.

nfra Project Dashboard

Project Delay Aging

Project Code	Project Name	Planned End	Expected End	Diff_Days	Status
PRO/0001/2016-17	Fire Start Diamond/2016-17	10/1/2016 12:00:00 AM	10/2/2016 12:00:00 AM	1	AFTER - 1 Days
PRO/0002/2016-17	Sanvo Resorts Pvt Ltd	12/22/2017 12:00:00 AM	1/1/2018 12:00:00 AM	10	AFTER - 10 Days
PRO/0003/2016-17	Test Project	2/12/2017 12:00:00 AM	1/8/2017 12:00:00 AM	-35	BEFORE - 35 Days

Project Budget VS Actual

Project Name	Total Budgeted	Total Utilised
Demo Project	0.0000	1550.0000
fire fighting	0.0000	2637.5000
Fire Start Diamond/2016-17	81.0000	3346.5000
Premier - 119	21766539.2680	96790.0000
Sanvo Resorts Pvt Ltd	5946471.0000	15554900.6500
Test Project	1981931503.0370	0

nfra ERP Business Functions

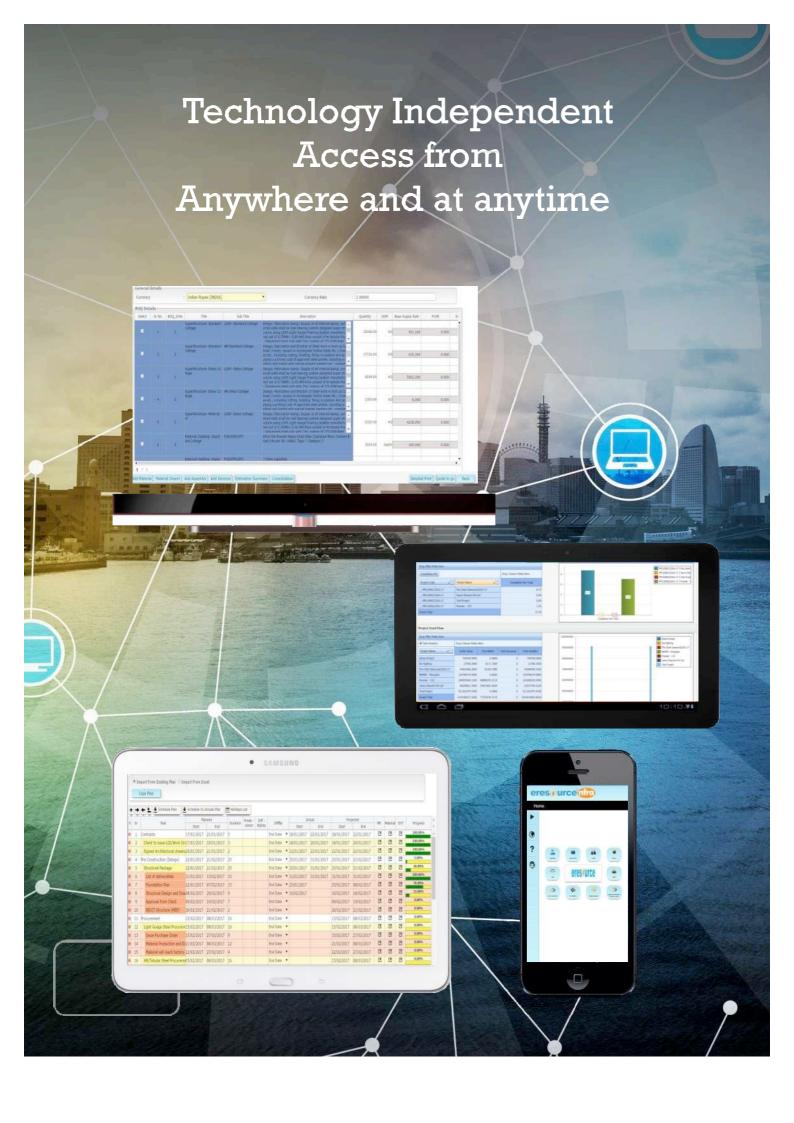| BOQ Management	Job Costing/ Estimation	Order Processing
Budgeting	Material Take Off Process	Variation To Contract
Project Management	Purchase Management	Subcontract Management
Work In Progress	Site Activity	Material Requirement Planning
Inventory & Stores	Billing & Receivable	Accounts & Finance

Technology Independent
Access from
Anywhere and at anytime

BOQ MANAGEMENT

- In nfra ERP, BOQ serves as the contract between the client and contractor, for the work defined by customer.
- BOQ Management consist of activities/item that needs to be done while the execution of project with all the supplies required to do to activity along with labour and cost requirements
- It allows the parallel management of sale and customers. Provision to Import BoQ data from Spreadsheet, Use existing BOQ or Manually capture BOQ information

Es'rIMATION / JOB GOSTING

- cost estimating is one of the most important steps in project management. A cost estimate establishes the base line of the project cost at different stages fdevelopment ofthe project.
- NFRAallows to compute the project estimate from BoQ very easily.
- BOQ items pricing are based on cost of material Cost, Manpower Cost, Equipment and Tools, Sub Contractor Cost and overheads and above all Profits can be computed.

BUDGETING

- The budget is the main life of a construction project. A construction lead service must be able to **budget the** expenses of building **the** specific infrastructure requested **by the client without** going over budget. eresource nfra allows to setup budget at the beginning of the project. Budget acts like a base line for every expenses decision that is made during the project.
- All expenses or liabilities booked for the Project is validated against the Budget.
- Budget is computed automatically in eresource nfra.

MATERIAL TAKE OFF (MTO)

- Material **Take Off is the** amount of material required for an activity to take place, along with the detailed description of materials like grade, size, form, etc.
- MTO in eresource can be defined after the order is **booked.** Primiarily **MTO is the** Material determined after the Quantity Survey or it can also be termed is Design qty.
- Material Requisition **can be done** against **the** MTO. The procurement can be done after the MTO is defined in the ERP.

- Almost all the projects face some unavoidable variations from the originally given business case. The changes in resource NFRA is called as Variation to Contract (VTC). VTC can be either billable or unbillable.
  Changes can be techno topical, geological, unavailability of some materials or continuous development

- For any change in the BOQ, Variation to Contract is a Must in resource ERP.

- Project planning and scheduling is an essential part of project and this can take many days or weeks to do manually and any human or other error can make very big differences.

- NkGA gives an in-built tool to set up a project calendar before start of planning.

- It creates break down activities with dates and progress of tasks. A standard template can also be used for Project Planning.

- Resources from the BOQ can be tagged against each Work Break Down Activity.

This module of N FRA streamlines procurciiien l of materials in accordance with BOQ.

- Potential suppliers, Supplier Evaluation, Supplier Quote E›al uation, awartl ing purchase orcler to the sipp|iei, and biMing processes are au!o*i a ЄJ by this ino‹lulc.

- Procurement cycle in eresource for a project starts from Material Indent, which is generated against Material Requisi tion by the Site Lngineer Site Supervisor.
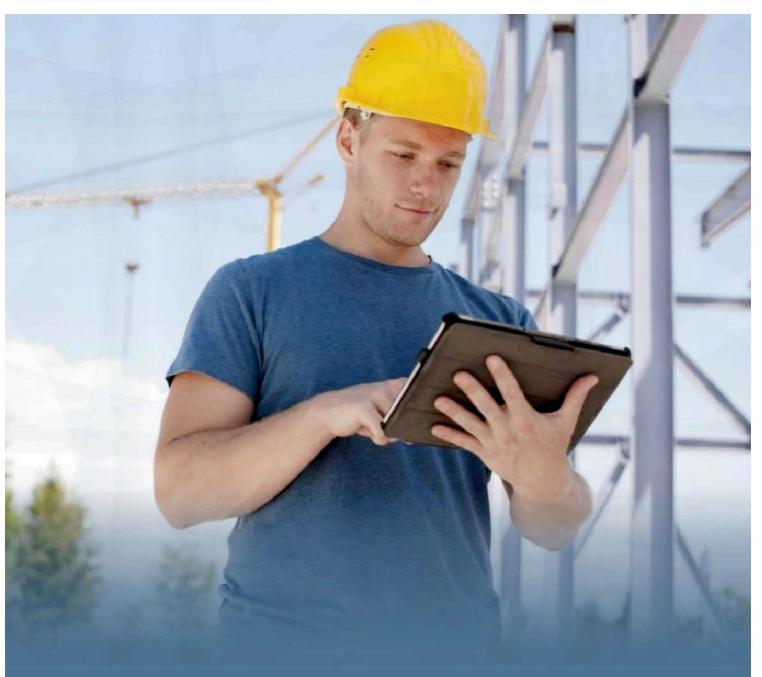
SUBCONTRACT MANAGEMENT

- There are many process and activities in a project which ai e outsoui ced to a sub conti actor.

- Selecting the best conti actoi w ithin the gis cia bucluct an‹l monitor in u can be a ›cry long and hectic process.

- Genes at ing Worl‹ Girder to Stib Contractor.

- Captcn e Pi ogi essis e liivo ice trout the Sub Contractor and Bill Ccrtification is all managed from this module.

IN PROGRESS

- Every project in this world overshoots the planned budget, it may be less or more, but to minimize this to the maximum possible limit this module comes into play.
- A module that exclusively provides with an insight of project budget across weekly, monthly and yearly time period.
- It also gives a comparison of actual budget vs planned to plan further activities accordingly.

ON SITE ACTIVITY

- Exclusive portal is designed for managing Onsite activity.
- Through this portal the site supervisor or Site engineer can Request for the Material. Material requisition in which case happens against the BOQ only.
- Time Sheet and Labour Attendance of Manpower / Labour can be captured. Site Engineer Portal comprises of Functions such as, Material Requisition, Work Progress, Defining day to day progress (measurement), Material Consumption, Expense booking and many more.

INVENTORY AND STORES

- This module facilitates hassle free management of inventories.
- Provision to Maintain Site Inventory.
- Provision to transfer material from site to warehouse, Site to Site or Warehouse to Site.
- Identifying inventory requirements, setting targets, providing replenishment techniques, and options, monitoring item usages, reconciling the inventory balances, and reporting inventory status, can be managed by this.
- Projectwise Material Balance Sheet can be generated.

BILLING AND RECEIVABLE

- Bills and invoices forms the base of all the operations that are being or will be carried out.
- Provision to create different type of Invoices based on Order agreement, likewise, Supply Bill, Service Bill, Running Account Bill, Progressive Bill.
- Provision to capture Billing Certificate by third party consultant.
- Advance Invoice, Progressive Invoice, Pre Final Invoice, Final Invoice and Retention Invoice can be generated on the basis of Invoicing Rules defined in the system.

ACCOUNTS AND FINANCE

- Finance Resource Manageiiient in eresource ERP gathers financial data from various functional departments and generates valuable financial reports such as Balance Sheet, Trial balance, General Ledgers, Quarterly Financial Reports, Account Statements, Gross Profit Analysis, Cost Center wise Analysis, Branch wise Profit Analysis, profitability report, Asset and Depreciation Management, Tax Management, ABC Analysis and many more.

- Project MIS Report, likewise, Project Profit & Loss Report, Project Cost Center management Report, Project Analysis

HUMAN RESOURCE MANAGEMENT

- **All Human Resource Management features available out of the box, from Hire to Retire.**
- **Human Resource Management Portal comprises of following functions**
  - **Personal Developmnet**
  - **Personal Management**
  - **Time Sheet Management**
  - **Payroll Management**
  - **Recruitment**
  - **Training**

Contact Us

"Business is not just doing deals,
business is having great products,
doing great engineering, and providing
tremendous service to customers.

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