
INVESTMENT ADVISE TO :

From

KK NESAR Projects Private Ltd

(CIN NO: U74200GJ2009PTC058267 - Registered - Oct 2009)

VADODARA - 390 002

FOR

PROJECT :

Web site : www.kknesar.com

Company : KK NESAR projects Pvt Ltd
(Incorporated as per Company Act 1956)

Main Objectives while advising our Investors :

- **To offer techno commercial evaluation, viability, profitability, sustainability of the Hydro Power project based on the Detailed Project Report and the business dynamics in order to protect the interest of the Investors vis-à-vis Promoters or Project proponents / developers**
- **Technical analysis will also be based on the technology and equipment to be sourced for the economic maintenance and to ensure the useful life as per the design conditions to have good return on investment.**
- **Detailed Financial evaluation based on DPR vis-à-vis present day technology, costs, escalations, environment impact, payment mechanism as per PPA etc.**

This presentation is Focused on : Hydro Power (Renewable) Project Investment decision

**AN UPDATED AND VALIDATED DETAILED PROJECT REPORT (DPR)
WHICH SHALL CONSIST THE FOLLOWING MINIMUM DETAILS :**

Vol 1 : Main Report

Vol 2 : Geology

Vol 3 : Drawings

Vol 4 : Estimation of Cost and Financial Evaluation

Vol 4 : Exhibits

PPA related documents along with all necessary project approvals

KK NESAR has the passion to contribute for the development of renewable energy

DPR Volume 1 : Main Report shall consist minimum of the following :

- Check list for CEA – CWC / Division / the State Nodal Agency
- Qualitative and a neat Detailed report covering Introduction, Project Area, Salient Features, Need for the project, Surveys & Investigations, Hydrology, Silt study, Desiltation, Geology, Power Potential study, Necessary annexures, Civil structures, Hydro mechanical equipment, Electro mechanical equipment, Construction Methodology & Planning, Infrastructure works, Environmental Impact Assessment (EIA) study, Cost estimation, Economic evaluation, Executive summary
- Design Calculations for the various structures or features (but not limited to)
eg :
 - Dam : Spillway, Flip bucket etc
 - Intake
 - Desilting Chambers
 - Tunnel, Surge Chamber, Pressure Shaft etc as applicable
 - Power House
 - Expansion Chamber
 - Tail race section or Tunnel as applicable
 - Head Lossess
 - Selection criteria for the equipment with sizing calculations

DPR shall be from the reputed company or Consultants

DPR Volume 2 : Geology shall consist minimum of the following :

- Description, CD with satellite images along with Data of Sub surface exploration at various structure locations, Detailed Geological Map, L Section, Geo thermal study, Drill hole logging description, Drill hole geophysical logging, Satellite imagery, Rock mechanics tests of dam site, Petrographic report (latest) and other specific geological considerations.

- Seismotectonic Evaluation and Seismic Potential

DPR & Geology report shall be from the reputed company or Consultants vetted by third party or Proof consultants

DPR Volume 3 : Drawings shall consist minimum of the following :

- **General layout, Project Layout, Catchment area, Upstream, Downstream, Plan and Sections, Water Conveyance system, Infrastructure layout, River diversion system with Construction phases, Alternative studies (if any), Specific area layout of Intake, Desilting chamber, Surge shaft, Power house, Turbine area, Generator area, various level layouts, Tail race area and other structures as applicable to the specific project.**
- **Electric scheme with Generating Unit and GIS, Power house AC auxiliaries etc**
- **Geological bore holes layout with details**

DPR shall be from the reputed company or Consultants

DPR Volume 4 : Estimation of Cost and Financial Evaluation shall consist minimum of the following :

- **Project Cost with abstract of Cost estimates for Civil works, All structures, Switch yard, Hydro mechanical equipment area, various building, plantation, Maintenance, Special tools & plants, Communication, Environment, Ecology, Aforestation, Losses on stock, Receipts & recoveries, Indirect charges.**
- **Working rates of civil works with item rates**
- **Working rates for machinery with user rates**
- **Cost estimates with BOQ for Electro Mechanical works eg Generator, Turbine, Accessories, Electrical equipment for Power station and other services, Substation equipment, switch yard and aux. equipment etc**
- **Financial evaluation considering all the above costs, Escalations, IDC and Financing charges, Means of financing, Computation of Tariff per unit, Calculation of Income tax**

DPR & Financial report shall be from the reputed company or Consultants vetted by third party or Proof consultants

DPR Volume 5 : Exhibits shall consist minimum of the following :

- Inception report, Integration report
- Certificate of incorporation of the Project developer / plant owner, Orders of govt, notices, letter of clearance from Environment, wild life (if applicable), letter of grant of use of water power and such statutory approvals from various departments of state and central governments.

DPR & Geology report shall be from the reputed company or Consultants vetted by third party or Proof consultants

WE OFFER the following but not limited to :

- Verification of Adequacy of system design, provisions, approvals, construction related risks, escalation, project schedule validation with the anticipated hold points if any.
- Review the Sizing and selection of plant and machinery and their adequacy or suitability
- Our views or Suggestion on Equipment Technology partner with a suggestion on technical advantages, if any.
- Our views on Unit tariff and profitability based on future maintenance and operation costs.
- Advise on Organisational needs to execute the project and the promoter's back ground for the effective completion of project and its sustainability for the plant life
- Go or no Go decision on the Investment with correct assessment of financial numbers vis-à-vis technology and equipment selected.

Deployment of Right Technology, Plant Automation, Power Distribution with a judicious investment option

LIST OF HME : Engineered, Proposals, PM with Sourcing

DOMESTIC HME PROJECTS

- Omkareshwar
 - Maheshwar
 - Koteswar
 - Parbati
 - Kameng
 - Koldam
 - Pulichintala
 - Sewa
 - Subansiri Lower
 - Tuirial
 - Teesta
 - Largi
 - Doyang
 - Ranganadi
- Rangit
 - Kambang & Sippi
 - Thoubal Manipur
 - Bargi
 - Penstocks, Lower periyar
 - Chamera Gantry Crane
 - Tanakpur Hoists
 - Radial gate, Jurala
 - Radial gate, Kodaganar
 - Iggalur Barrage gates & hoists
- Malpe Harbour Slipway Machinery

INTERNATIONAL HME PROJECTS

- Bakun, Malaysia
- Keniyar, Malaysia
- Merowe, Sudan
- Owenfalls, Uganda
- Beni Haroun, Algeria
- Guarara, Nigeria
- Kudiat Acredone, Algeria
- Boastanj
- Beikili, Yoke & Toshika Egypt
- Namgum Laos
- Nam Theun, Laos
- Hakkari, Turkey
- Ilarion, Greece
- Marib dam irrigation equipment, Yemen

EVALUATOR : Mr.Praveen Kumar Kulkarni who had worked in TSPL and ALSTOM and has 25 years of work experience of Hydro Power Industry along with Associates who are renowned Hydro power Consultants / Experts

KK NESAR projects Pvt Ltd

Cell No: 0091 9898296247

**WE BELIEVE IN QUALITY AND DELIVERY
OF NICHE SUPPORT SERVICE**

THANKS

**OUR CONFIDENCE : YOU WILL NEVER REGRET OF
HAVING HIRED OUR SERVICE RATHER PROVIDE US
REPEAT / REFERRAL BUSINESS**