



CONSULTANCY SERVICES ORDERED TO CVK SOLAR

A TECHNO ECONOMIC FEASIBILITY REPORT

1. Preparation of Detailed Techno-Commercial Feasibility Report.
2. Conducting site survey, identification of appropriate land and recommending best option available within premises of Jodhpur IRD.
3. Preparation and assessment of Power Generation Report including site visit, identification of site coordinates, metrology assessment of site from international sites / satellite, study of shadow impact, solar radiation assessment, checking of requirement of energy utilization of HPCL etc.
4. Preparation of power evacuation report including study of present electrical system of GRID, assessment of various feasible methods of power evacuation through Grid interconnection, selection of appropriate voltage level and final recommendation of electrical interconnection of Solar Plant with Grid System and voltage level & Preparation of Schematic Block Diagram of the Power Evacuation Scheme along with location of meters for solar plant in Jodhpur IRD.
5. Study of options of various government schemes and approvals needed, under which plant can be set up.
6. Financial analysis and IRR7. Finalizing various formalities, registration, documentations etc. to be submitted to Govt. Departments / Agencies in each scheme8. Selection of Scheme for setting of solar plant..
9. Recommendations of best scheme to HPCL under which plant to be set up.
10. Preparation of detailed report of the scheme covering site selection, technology, cost estimation, cash flow, risk and returns at the stage of plant design, detailed SLD, plant layout inclusive of detailed Bill of Materials & specifications of each component with approved make by RREC & Submission of PV system report for qualifying bidder.

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REGISTRATIONS / NOCs / APPROVALS

- Vendor to coordinate / submit all necessary application / documents for Registration and obtaining NOC / in- principal approval / clearance from DISCOM / RREC / RERC etc. DISCOM ·
- Application to Discom.
- ·Arranging survey by Discom.·
- Arranging approval of Technical & Commercial Feasibility Report by Discom·
- Execution of Net Metering / interconnection agreement between HPCL and Discom.·
- Arranging any other approval or clearance from DISCOM, required for initiating the project implementation. RREC· Application for Registration with RREC ·
- Arranging survey by RREC. ·Arranging any other approval or clearance required from RREC for initiating the project implementation. RERC ·
- Arranging all necessary in-principal approvals or clearances from RREC required for initiating the project implementation.
- Additional Approvals ·Consent to Establish & Consent to Operate from Pollution Control Board, as applicable.·
- Approval from Electrical Inspector Scope of job is not limited to above mentioned approvals from mentioned agencies. Any other approval if required from any other agency shall also be in the scope of successful bidder at no extra cost.

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PREPARATION AND SUBMISSION OF TENDER DOCUMENT

1. Preparation of two bid tender document (technical and commercial) along with qualifying criteria for Design, Engineering, Procurement, Commissioning, Handing Over and O&M of plant.
2. Conducting pre-bid meeting to clarify all expectation of Bidder Queries.
3. Preparation and submission of corrigendum details, if any, inclusive of final specs and work instructions as per original tender conditions for final PO preparation.
- 4 Preparation of scheme for Technical Evaluation & Commercial Evaluation of bids
- .5. Preparation of Contract / Agreement with successful bidder (EPC Contractor).
6. Detailed report covering design, engineering, site selection, detailed SLD, plant layout, detailed Bill of Material & specification for each component with approved make by RREC, Plant layout & Submission of PV system report for successful bidder.

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PROJECT MONITORING, COMMISSIONING & HANDOVER

1. Preparation of workflow instructions and evaluation of contractor's design and plan.
2. Stage wise monitoring and report submission.
3. Approval of drawings, verification of equipment's make, checking of design, verification of quality of raw materials, processes of EPC contractor, project execution, supervision, verification, audit of plant construction at site vis-à-vis PO specifications.
4. Obtaining of various approvals through EPC contractor.
4. Verification and Handing over of all Documents along with individual manuals from EPC.
5. Preparation of AMC, O&M contracts and providing training to representatives of HPCL,
6. Final Hand Over of plant to HPCL including closure of contract with all vendors..