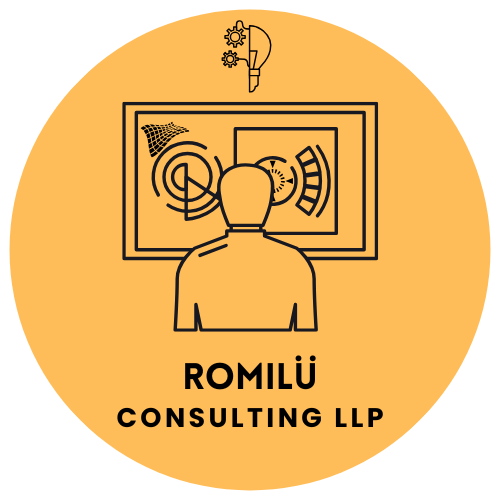
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**Proposal for Preparation of Detailed Project Report (DPR) for Solar Projects under RESCO Model**

**Date:** 12 March, 2025

**To:**  
Mr. Shyam M Dubey  
Project Head - Solar  
Agastya Energy Industries Pvt. Ltd.  
BN Corporate Park Pvt Ltd.,  
1st Floor, Plot No. 18, Sector – 135, Noida, U.P. 201304

**Subject:** Proposal for Preparation of Detailed Project Report (DPR) and Financial Modelling for Solar Projects under RESCO Model

**Dear Mr. Dubey,**

We appreciate the opportunity to submit our proposal for preparing a Detailed Project Report (DPR) and Financial Modelling for the proposed solar projects in Uttar Pradesh under the RESCO Model. Our proposal outlines the Scope of Work, Methodology, Deliverables, Timelines, and Commercials for the DPR preparation.

**1. Scope of Work**

The DPR will comprehensively analyze the technical, financial, regulatory, and environmental aspects of setting up solar power plants at the specified locations under the **PM-KUSUM C2 Scheme**. The scope includes:

1. **Site Assessment & Solar Resource Analysis**
   1. Site feasibility and GIS mapping
   2. Solar irradiance study and meteorological data analysis
   3. Land assessment (leased or owned land availability)
2. **Technical Design & Plant Configuration**
   1. Selection of optimal **solar PV modules, inverters, mounting structures**
   2. Plant layout and single-line diagram (SLD) preparation
   3. Grid connectivity and evacuation planning
3. **Regulatory & Statutory Approvals**
   1. Identification of necessary approvals from UPNEDA, DISCOMs, UPPCL, and UPERC
   2. Compliance with MNRE and State Electricity Regulations
4. **Financial Modelling & Tariff Estimation**
   1. CAPEX & OPEX estimation
   2. Levelized Cost of Energy (LCOE) computation
   3. Tariff modelling as per the given PPA Rate (Rs. 2.90/unit)
   4. ROI, IRR, and payback period analysis
5. **Risk Assessment & Mitigation Plan**
   1. Technical, financial, and regulatory risk evaluation
   2. Feeder-wise power evacuation strategy
6. **Implementation Timeline & Project Scheduling**
   1. Milestone-based execution plan covering procurement, installation, commissioning
7. **Environmental & Social Impact Assessment (ESIA)**
   1. Identification of environmental impact and mitigation measures
   2. Assessment of social acceptance and community engagement
8. **Commercial Feasibility & Power Sale Strategy**
   1. Business model structuring under RESCO
   2. Power sale agreement structuring with DISCOMs

**2. Chapter-wise Index for the DPR**

| **Chapter No.** | **Chapter Name** | **Scope Covered** |
| --- | --- | --- |
| 1 | Executive Summary | Overview, project objectives, and feasibility insights |
| 2 | Site Assessment | Solar resource mapping, land evaluation |
| 3 | Plant Design | Technical specifications, SLDs, equipment selection |
| 4 | Grid Connectivity | Feeder-level solarization plan, evacuation setup |
| 5 | Financial Modelling | CAPEX, OPEX, LCOE, Tariff projection |
| 6 | Risk Assessment | Identifying potential risks & mitigation strategies |
| 7 | Implementation Plan | Project execution timeline, milestone tracking |
| 8 | Environmental Study | ESIA, land use impact, sustainability plan |
| 9 | Business Model | Power purchase agreements, revenue model |
| 10 | Conclusion & Recommendations | Summary of findings and next steps |

**3. Methodology**

Our approach will involve:

* **Primary Data Collection:** Site surveys, irradiation studies, load assessments.
* **Secondary Data Analysis:** Regulatory policies, tariff trends, financial reports.
* **Technical & Financial Modelling:** Simulations using PVsyst, HOMER, and Excel-based financial modelling.
* **Stakeholder Consultations:** Engagement with DISCOMs, UPNEDA, and landowners.

**4. Project Timeline**

| **Activity** | **Duration** |
| --- | --- |
| Data Collection & Site Assessment | 2 Weeks |
| Technical Design & Feasibility Study | 2 Weeks |
| Financial Modelling & Tariff Analysis | 1 Weeks |
| Risk Assessment & Regulatory Compliance | 1 Weeks |
| Final DPR Submission | 1 Week |
| **Total Duration** | **7 Weeks** |

**5. Commercials**

| **Component** | **Cost (INR)** |
| --- | --- |
| Site Survey & Feasibility Analysis | 650000 |
| Technical Design & Grid Integration Study | 400000 |
| Financial Modelling & Tariff Projections | 250000 |
| Risk Analysis & Regulatory Compliance | 300000 |
| DPR Documentation & Final Submission | 400000 |
| **Total (Excluding GST )** | **200000** |

**Payment Terms:**

* 30% Advance on Work Order Issuance
* 40% on Draft DPR Submission
* 30% on Final DPR Approval
* GST shall be extra as applicable

**6. Credentials & Past Experience**

We have successfully completed DPRs for Viviid Renewables Private Limited, including solar projects under MNRE Solar Park Scheme Mode-6, SECI, and state solar scheme of Rajasthan. Our consultancy brings 6+ years of experience in solar consulting and DPR preparation.

For my credentials & experience please visit **www.susheempandey.com**

**7. Conclusion**

We appreciate the opportunity to collaborate on this strategic solar initiative and are confident that our expertise will contribute significantly to the success of the project. We look forward to your positive response and are available for further discussions at your convenience.

For any clarifications, please feel free to reach out.

**Best Regards,**

Susheem Pandey  
Power & Energy Consultants  
Romilu Consulting LLP  
Contact: 9810336031  
Email: susheem66@yahoo.com