



GENSOL SOLAR PV
CONSULTING
CREDENTIALS



Gensol Engineering Limited | Gensol Consultants Pvt Ltd

Land Mark Consulting Assignments



Project Management services for 300 MW Ground Mounted Solar Project for one of the largest IPPs in India



Client Name – Ayana Renewable Power Private Limited

Location – Bikaner, Rajasthan

Project Brief

Ayana Renewable Power Private Limited won the auction to develop 300 MW Interstate transmission system (ISTS) connected projects awarded by the Solar Energy Corporation of India Ltd. Gensol was awarded the Project Management Consultancy services for the project by Ayana. Gensol is extending its project management services by deploying its manpower in establishing proper communication procedures between all the teams, monitoring the overall project progress and meeting the deviations with immediate recovery plans. Review, supervision and ensuring the implementation of the site services as per ISO standards and Ayana's requirements. In addition to this, testing and commissioning services will be also closely reviewed and coordinated with the owner and contractor ensuring complete quality control.

Bid Management and Procurement Assistance Services to Dalmia Cements



Client Name – Dalmia Cement (Bharat) Limited

Location – PAN India

Project Brief

Dalmia Cement (Bharat) Limited is initiating to venture into adopting Renewable Energy for its 250 MW power consumption at 23 locations. DCBL is ambitious in meeting its increase in power demand upto 1000 MW in the impending years completely by Renewable Energy. DCBL availed Gensol's services to devise a strategic road plan including Techno-Commercial feasibility to achieve the above stated objective. Gensol's deliverables included the qualitative assessment in terms of commercial, technology and resource availability impacts of the states in terms of better regulatory framework conducive to the RE deployment. The Techno-economic feasibility for each location was inclusive of the review of the state policies, implementation models, financing options and the anticipated constraints in all verticals with measures to overcome them. Gensol as a follow up contract extend bid management services to review contracts for ensuring the EPC bids received for project implementation are complete, consistent and technically sound and select the best EPC contractors for the proposed projects.

Detailed Engineering Services for NTPC 150 MW and 90 MW Solar PV power plants



Client Name – Hild Energy Private Limited
Location – Devikot, Rajasthan

Project Brief

Hild Energy Private Limited hired Gensol to provide Detailed Design and Engineering Services for its 150 MW and 90 MW solar power plant at Devikot, Jaisalmer district, Rajasthan. Scope of Gensol's services included all the way from Energy Yield Analysis to Detailed Engineering including switchyard design of 220 kV. Gensol's scope extends in assisting the client in the procurement of the utilities by furnishing the suitable list vendors for all the requirements. Plant takeover services is also a part of our scope making sure the visual and technical compliance, review of proper documentation and adequacy of health and safety measures at the site with the quality requirements of the client.

Consultancy Services for development of 20 MW Solar Power Plant in Rajasthan at Phase II Irrigation Network Under Parwan Major Irrigation Project



Client Name – JWIL Infra Limited

Location – Rajasthan

Project Brief

JWIL decided to underpin its power needs at the pumping station for the Parwan Major Multipurpose Irrigation Project Phase II at Kota through captive solar power plant. Gensol has been awarded to play an active role in providing extensive consultancy services like RFQ document preparation to invite bids from EPC contractors, assisting JWIL to bidders, comparative analysis of the received proposals to the conclusion of the EPC term sheet. The scope of Gensol's responsibilities also extended to preparation of project cost estimate and cost budgeting for solar power project to determine cost-saving potential as per market conditions.

Feasibility study and Engineering services to Majis Industrial Services at Oman



Client Name – Majis Industrial Services

Location – Oman

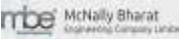
Project Brief

Majis Industrial Services is engaged in providing various water utility services at the Sohar Industrial Port area, Sohar Free Zone and Sohar Industrial Estate. Majis hired Gensol as its frontline consultant to the 1.338 MWp roof-top and ground-mounted solar project at Sohar port, Sultanate of Oman. Gensol reviewed the design of the EPC contractor such that it adheres to the standards of the best quality. As a part of this assignment Gensol also reviewed the power evacuation procedure, testing and commissioning procedure, performance testing procedure, O & M procedure and its compliance to the services at the site.

GenSol's Elite List of Clients



 Client Name	 Capacity (MW)
 SB Energy Soft Bank Energy	6000
 REC Transmission Projects Company Limited	975
 Greenko Energy	816
 Maharashtra Generation Company (MAHAGENCO)	500
 TANGEDCO	500
 Dalmia Cements	300
 Ayana Renewable Power Private Limited	300
 Adani Green Energy	8x20

 Client Name		 Capacity (MW)
	Hild Energy Private Limited	150 & 90
	Edelweiss Alternate Assest Advisors	140
	FRV	100
	MCNally Bharat Engineering Company Ltd	100
	Essar Power Limited	85
	Solar Arise	80
	Shapoorji Pallonji Infra	50
	JSW Energy Limited	45
	Sungrow	35

 Client Name

 Capacity (MW)



Stride Climate Investments

25



Oman Airports Management Company

20



JWIL Infra Limited

20



Majis Industrial Services

1.388

Location Wise Breakup of Total Consulting Portfolio



National Credentials

Location	Capacity (MW)	Location	Capacity (MW)
 Andhra Pradesh	4173	 Madhya Pradesh	690
 Maharashtra	3580	 Uttar Pradesh	851
 Rajasthan	1727	 Odhisa	405.2
 Jammu and Kashmir	1500	 Gujarat	1235
 Karnataka	1952	 Jharkand	325
 Telangana	1751	 Andaman & Nicobar	100
 Tamil Nadu	1386	 West Bengal	60

Location	Capacity (MW)	Location	Capacity (MW)
 Kerala	112.4	 Haryana	2.975
 Chhattisgarh	353.75	 Assam	2.2
 Punjab	304	 Delhi	3.7
 Himachal Pradesh	2.975	 PAN India	1152
 Uttarakhand	6		
Grand Total		21675.2	



International Existence

 Location	 Capacity (MW)	 Location	 Capacity (MW)
 Saudi Arabia	6000	 Chad	10
 Sierra Leone	100	 Nepal	7
 Bangladesh	100	 Nigeria	5.5
 Gabon	100	 Kenya	1.53
 Philippines	22.25	 Yemen	2
 Indonesia	21.5	 Oman	1
 Muscat	20	 Malawi	2.075
 Afghanistan	10	 Egypt	90

Grand Total

6492.75

Consulting Services of Gensol



Project Report

Detail Project Report (DPR), Pre Feasibility Report (PFR) Energy Yield Assessment (EYA), Environment Impact Assessment (EIA), Third Party Assessment (TPA)

 SB Energy

 Soft Bank Energy
⚡ 6000 MW

 MAHAGENCO
Maharashtra State Power Generation Co. LTD.

 Maharashtra Generation Company (MAHAGENCO)
⚡ 500 MW

 TATA POWER

 Tata Power
⚡ 400 MW

 ESSAR

 Essar Power Limited
⚡ 85 MW

 Azure Power

 Azure Power
⚡ 50 MW

 MFC
Dedicated Freight Corridor Corporation of India Ltd.

 Dedicated Freight Corridor Corporation of India (DFCCIL)
⚡ -

 Balasore Alloys Limited

 Balasore Alloys
⚡ 20 MW

 MRF

 MRF Tyres
⚡ 500 KWp

 AFRICUS GREEN POWER

 Africus Green Power
⚡ 10 MW



 Chennai Airport Authority of India
⚡ 6.5 MW



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⚡ 15274.08 MW

Total

 GMR
Creating tomorrow today

 GMR Warora
⚡ 6 MW



Detail Engineering



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⚡ 2054.80 MW

Total



Greenko Energy

⚡ 876 MW



Today Green Energy

⚡ 50 MW



Mytrah Energy (I) Pvt. Ltd.

⚡ 197 MW



JSW Energy Limited

⚡ 45 MW



McNally Bharat Engineering Company Ltd

⚡ 100 MW



Solar Semiconductor Power Company

⚡ 25 MW



Amara Raja Power Systems

⚡ 50 MW



Karvy Solar Power Ltd

⚡ 20 MW



Hild Energy Private Limited

⚡ 150 MW

⚡ 90 MW



R K Electric Automation

⚡ 20 MW



Oman Airport Management Corporation

⚡ 20 MW



Ampolt Electronics

⚡ 10 MW



Greentech Solar

⚡ 16 MW



Voora Energy

⚡ 10 MW



Suzlon Energy Ltd

⚡ 15 MW



Pahal Solar

⚡ 15 MW



D J Malpani

⚡ 13 MW



Estidama Energy

⚡ 1 MW





Procurement Assistance & Design Review Services



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⚡ 1529.28 MW

Total



Maharashtra Generation Company (MAHAGENCO)

⚡ 500 MW



Dalmia Cement

⚡ 57 MW



TANGEDCO

⚡ 500 MW



Deogad Horticulture and Industries LLP

⚡ 40 MW



Essel Group - Karnataka

⚡ 175 MW



Cairn Oil and Gas Vedanta limited

⚡ 20 MW



Rising Sun Energy Private Limited

⚡ 140 MW



Hindustan Zinc Ltd

⚡ 18 MW



Planet Core Group

⚡ 100 MW



Essar Bulk Terminal Limited

⚡ 15 MW



Shapoorji Pallonji Infra Pvt Ltd

⚡ 90 MW



Cuddalore Solar Power Private Limited

⚡ 10 MW



GMR Infra

⚡ 8 MW



Ghodawat Energy Ltd

⚡ 10 MW



Maharashtra Industrial Development

⚡ 4.5 MW



Jaguar Overseas

⚡ 10 MW



Kallam textiles

⚡ 3 MW



Trimex Sands Pvt. Ltd.

⚡ 10 MW





Project Management Consulting



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⚡ 4732.45 MW

Total



Essel Group

⚡ 595 MW



SunEdison

⚡ 270 MW



Greenko Energy

⚡ 560 MW



Mytrah Surya Energy Private Limited

⚡ 197 MW



Ayana Renewable Power Private Limited

⚡ 300 MW



Amplus Energy

⚡ 190 MW



TANGEDCO

⚡ 500 MW



Archer Business – Rising Sun - Bhadla

⚡ 140 MW



Adani Green

⚡ 425 MW



Adani Green Energy Ltd

⚡ 100 MW



FRV

⚡ 100 MW



McNally Bharat Engineering Company Ltd

⚡ 100 MW



HINDUSTAN ZINC LIMITED

Hindustan Zinc Ltd

⚡ 15 MW



Solar Arise - Taletuttayi

⚡ 80 MW



D J Malpani

⚡ 13 MW



Deogad Horticulture and Industries LLP

⚡ 40 MW



Ghodawat Energy Ltd

⚡ 10 MW



Sterling & Wilson Ltd

⚡ 33 MW



Trimex Sands Pvt. Ltd.

⚡ 10 MW



Fourth Dimension Infra & Power Ltd.

⚡ 25 MW



Voora Energy

⚡ 10 MW



Solar Semiconductor Power Company

⚡ 25 MW



CTRLS (BIPV)

⚡ 900 KW



Karvy Solar Power Ltd

⚡ 20 MW



Pre-Bid Engineering



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⚡ 5346 MW

Total



Ostro Dhar Wind Pvt Ltd

⚡ 920 MW



Planet Core Group

⚡ 150 MW



Suzlon Energy Ltd

⚡ 660 MW



Torrent Power

⚡ 150 MW



Gamesa Renewable Pvt. Ltd

⚡ 560 MW



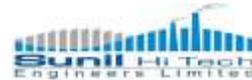
KEC International Limited

⚡ 125 MW



K P Power Pvt Ltd

⚡ 500 MW



Sunil Hitech Engineers Ltd.

⚡ 125 MW



L&T (Wind)

⚡ 300 MW



Angelique International Limited

⚡ 125 MW



Terraform Global Inc.

⚡ 150 MW



Punj Lloyd

⚡ 110 MW



Sterlite Technologies

⚡ 67 MW



BVG Limited

⚡ 37 MW



Reliance Green Power

⚡ 60 MW



Oriano Solar

⚡ 35 MW



BGR Energy Systems Limited

⚡ 50 MW



Sterling & Wilson Ltd

⚡ 17 MW



Estidama Energy

⚡ 37 MW (Yemen)



Sawa Group

⚡ 2 MW (Malawi)





Policy Consulting


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3900 MW
Total



Suzlon Energy Ltd

 100 MW



Sunren Power

 25 MW



Maharashtra Generation Company (MAHAGENCO)

 500 MW



Karvy Solar

 20 MW



K P Power Pvt Ltd

 500 MW



Voorra Energy

 10 MW



Planet Core Group

 150 MW



Bosch Limited

 1 MW



Greenko Energies

 60 MW



Technical Due Diligence


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⚡ 2445 MW

Total



CLP India Power (Phase-I)

⚡ 480 MW



Terraform Global

⚡ 245 MW



Reliance Capital

⚡ 10 MW



CLP India Power (Phase-II)

⚡ 132 MW



Essel Group

⚡ 140 MW



CLP India Power (Phase-III)

⚡ 300 MW



Renew Power

⚡ 102.5 MW



Sekura Energy

⚡ 403 MW



Essel Green Energy Private Limited

⚡ 70 MW



Greenko Energies

⚡ 470 MW



Reliance Green Power

⚡ 60 MW



Edelweiss Alternate Assest Advisors

⚡ 140 MW



UPC Renewables

⚡ 20 MW

Lender's Engineer Portfolio of Gensol



 Lender	 Capacity (MW)
 IndusInd	690
 Power Finance Corporation Ltd	435
 IDBI Bank Ltd	266
 YES Bank	245
 Central Bank of India	185
 State Bank of India	175
 L&T Infrastructure Finance	122

 Lender  Capacity (MW)
 IREDA 119
 Bank of India 100
 PFC, PFC-GEL, PTC 95
 Axis Bank 75
 PFC, PFC-GEL, PTC 67
 Power Finance Corporation Ltd 50
 IFCI 40
 INDUSTAR LIFE KA TAKE-OFF 40
 Union Bank of India 40

Lender	Capacity (MW)
 EXIM Bank Ltd	32
 Power Finance Corporation Ltd-GEL	22
 State Bank of Patiala	20
 TATA Cleantech Capital Ltd	19.53
 Reliance Capital	18.5
Grand Total	2991

Number of STATES



Number of LENDERS



Number of DEVELOPERS

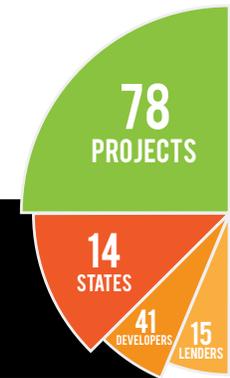


Total Number of PROJECTS



TOTAL CREDENTIAL

2991 MW



THANK
YOU!



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