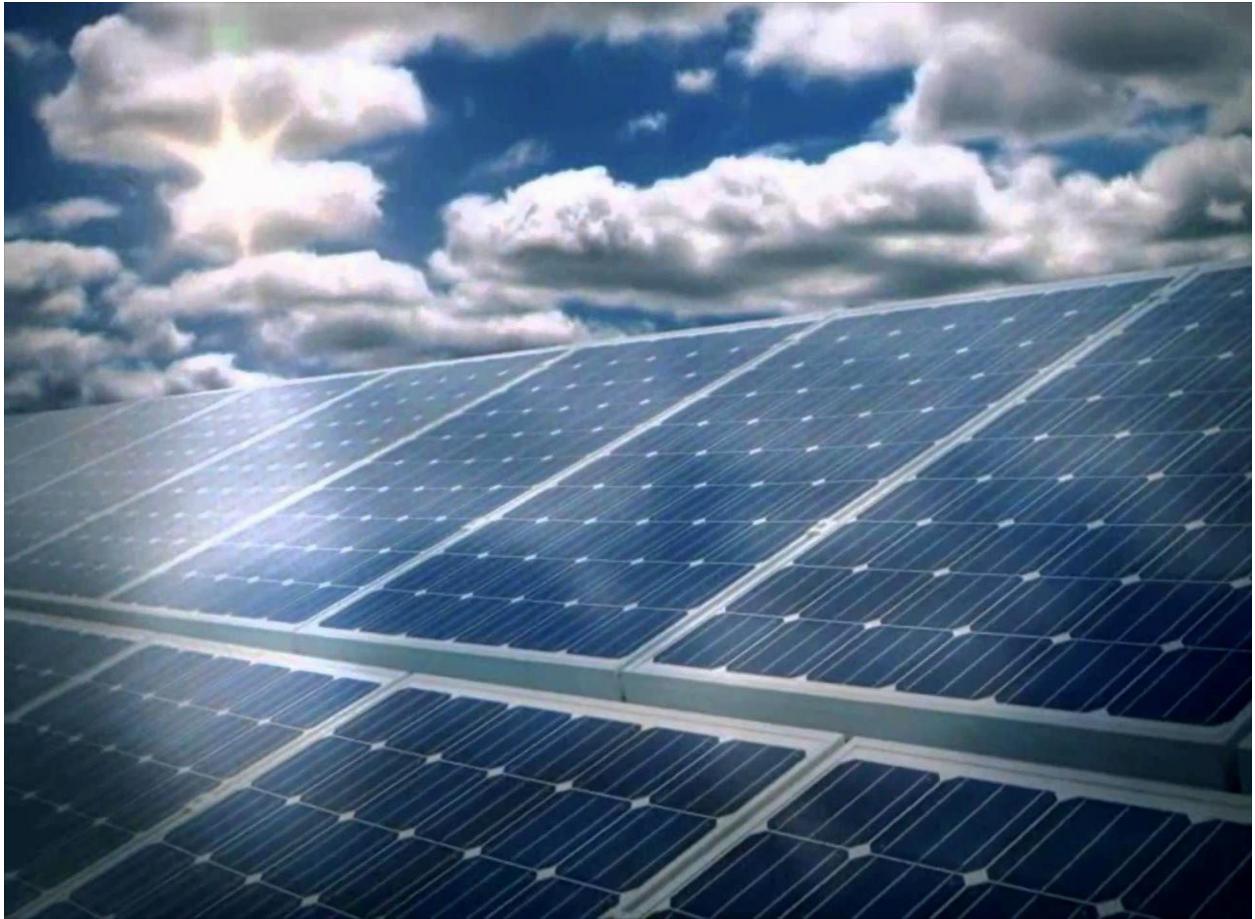


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Renewable Energy Consultancy Solar



January 2025

OMS Private Limited



Local Knowledge; Global Expertise

We're proud of reputation for technical excellence

OMS is a worldwide respected, multidisciplinary renewable energy consultancy with good reputation for engineering and technical excellence.

Operating from a network of offices across different countries, our global team of engineers and consultants has extensive national/international

experience and an impressive track-record.

We are dedicatedly working in partnership with our clients, helping to reduce risk, plan, design, and operate solar projects safely, profitably and with full confidence.

This dedication, coupled with commercial expertise and regulatory knowledge, ensures our services are tailored to project requirements, offering practical, informed and valuable advice no matter the stage of any solar project.

Solar Power

We have the solutions

Successful project delivery is at the heart of all we do and our expert engineers and consultants provide full solar project lifecycle engineering and consultancy services including:

Feasibility

Site Suitability: proposed site identification and selection

Outline feasibility studies including:

-Initial assessment of site energy resource

-Investigation of key technical, environmental and planning constraints

-Identification of candidate technology (turbine technology and initial layout design of BOP)

-Recommendations for progressing projects and requirements for more detailed feasibility work

Detailed feasibility studies

- Site visits

-Detailed assessment of irradiation resource and bank grade energy yield prediction

-Detailed assessment of technical, environmental and planning constraints

-Consultation with potential stakeholders and planning authorities

-Project design and layout optimization

Design and development services

-Project sizing and design optimization
-Technology assessment and equipment specification

-Pre-contract documentation, specifications and negotiations

-Support during Energy Purchase Agreement (EPA) and Implementation Agreement (IA)

Construction Supervision

-Lender's technical advisor, owner's engineer and independent engineer services

-Project and site management

-Project design review

-Quality assurance inspections and factory acceptance tests

-Electrical and control systems expertise

-Built to specifications comparisons

-Witnessing of commissioning, plant testing and issuing of take-over certificates

-Contract review and enforcement of conditions including liquidated damages.

Operation and maintenance consultancy

-Specification preparation and tender assessment

-Post investment appraisal of projects

-Asset management, inspection and monitoring

-Warranty and contract management including: end of manufacturer warranty inspections and audits

-Failure prediction and strategy/condition monitoring and analysis

-Site health & safety management and consultancy

Due diligence

-Independent technical and financial due diligence:

-Lender's engineer/bank's engineer provisions ongoing through construction

-Contracting and procurement strategies

-Technical assessments of technologies and their manufacturers and suppliers

-Supply chain and supplier analysis

Experience

We've a proven track-record

We have a proven track-record of providing industry-leading technical advisory services by working with lead developers.

We have served clients achieving their major project milestones by providing due diligence of proposed plants, and bankable energy yield studies.

Our dedicated Solar team has comprehensive knowledge of Solar technology, investors and balance of plant, designing systems to overcome site constraints through consideration of topography, solar resource, planning requirements and suitable component integration.

Harappa Solar (Pvt.) Ltd



Client: Harappa Solar (Pvt.) Ltd.
Location: Harappa, Sahiwal – Punjab.
Capacity: 18 MW
Service: O&M Contractor
Duration: 2017-Ongoing

Contracted by HSPL to provide Services of O&M Contractor for 18 MW Solar Power Plant, OMS has successfully completed semi-annual target with availability above guaranteed figures. OMS' personnel are full time deployed for O&M Services for Solar Power Plant, the service includes but not limited to:

- Ensuring successful operation in accordance with KPIs.
- Preparation of complete O&M Plan and compliance of agreed O&M Plan.
- Guaranteeing Availability.
- Carrying out maintenance activities.

Oursun Solar (Pvt.) Ltd



Client: Oursun Solar (Pvt) Ltd
Location: Gharo, Sindh – Pakistan
Capacity: 50 MW
Service: O&M Contractor
Duration: 2018-Ongoing

Contracted by Oursun Solar (Pvt.) Ltd to provide Services of O&M Contractor for 50 MW Solar Power Plant, OMS will be part of commissioning activities too. The project is in construction phase and will achieve COD soon. The scope of services of OMS includes but not limited to:

- Ensuring successful operation in accordance with KPIs.
- Preparation of complete O&M Plan and compliance of agreed O&M Plan.
- Guaranteeing Availability.
- Carrying out maintenance activities.

Gharo Solar (Pvt.) Ltd



Client: Gharo Solar (Pvt) Ltd
Location: Gharo, Sindh – Pakistan
Capacity: 50 MW
Service: OE and O&M Contractor
Duration: 2018-Ongoing

Recently contracted by GSPL to provide services of Owner's Engineer and O&M Contractor, GSPL is currently in development phase and Construction will be started by Feb 2019. The project is 50 MW and off-taker will be K-Electric. The scope of service of OMS includes but not limited to:

- Ensuring successful operation in accordance with KPIs.
- Preparation of complete O&M Plan and compliance of agreed O&M Plan.
- Guaranteeing Availability.
- Carrying out maintenance activities.

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Zhenfa Pakistan New
Energy Company Ltd
(ZPNECL)



Client: Atlas Energy (Pvt.) Ltd
Location: Layyah, Punjab – Pakistan
Capacity: 100 MW
Service: Owner's Engineer.
Duration: 2019-2022

Recently contracted by Atlas Energy (Pvt.) Ltd to provide services of Owner's Engineer in development and construction phase, OMS has negotiated EPC Contracts and reviewed basic design. The project is 100 MW and off-taker will be CPPA. The scope of service of OMS includes but not limited to:

- Review of EPC Contract and Technical Schedules.
- Design Review
- EPA Negotiations
- Management and Control
- Site Management
- Construction Supervision
- Commissioning Supervision

Solarization of Mosques and Worship Places in Merged Areas



Client: Pakhtunkhwa Energy Development Organization (PEDO)
Location: Merged Area, KPK
Capacity: Distributed Solar

Service: Engineering Consultancy Services
Duration: October 2021-June 2022

Contracted by PEDO to provide Engineering Consultancy Services for the project "Solarization of Mosques and Worship places in merged areas of KPK. The scope of service of OMS includes but not limited to:

- Feasibility site survey, vetting of Design
- Vetting of pre-qualification, preparation of tender documents, bid evaluations of the contractors, award of contract to contractors
- Testing of Contractor's Equipment, product approval procurement
- Supervision of Installation, progress reviews, coordination at sites, testing & commissioning, handing & takings, closing of project PC-IV
- Supervision of Operation & Maintenance during Defect Liability Period of Contractor.

KAPCO Energy (Private) Limited

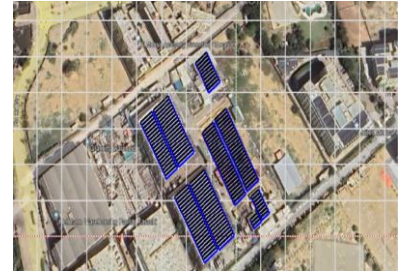


Client: KAPCO Energy (Private) Limited
Location: Muzaffargarh, Punjab
Capacity: 600 MW
Service: Owner's Engineer
Duration: 2023

Contracted by KAPCO Energy (Private) Limited to provide Owner's Engineering Services. The scope of service of OMS includes but not limited to:

- Pre-Bid Activities:
 - ✓ EPC ITB Preparation and Submission to the KAPCO
 - ✓ Pre and Post bid clarifications and EPC techno-commercial bids evaluation report
 - ✓ Preparation of AEDB technical forms for competitive bidding process

Shan Foods (Pvt.) Ltd



Client: Shan Foods (Pvt.) Ltd
Location: Korangi Industrial, Karachi
Capacity: 2.2 MW
Service: Owner's Engineer
Duration: 2024-Ongoing

Contracted by Shan Foods to provide Engineering Consultancy Services. The scope of service of OMS includes but not limited to:

- Identification of maximum potential of solar to be installed and design of the complete system
- Resource Assessment and Energy Yield Estimation
- Preparation of RFP documents
- Evaluation of technical bids
- Inspection during the Installation
- Post completion inspection of the project
- Verification of results (i.e., Design & Actual)

Atlas Energy Limited



Client: Atlas Energy Limited
Location: Lahore, Punjab
Capacity: 2.0 MW
Service: Owner's Engineer
Duration: 2024-Ongoing

Contracted by Atlas Energy Limited to provide Owner's Engineering Services. The scope of service of OMS includes but not limited to:

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- Review of the design, component selections, and overall system architecture.
- Review of the construction and procurement plan and project schedule.
- Supervision of the activities and implementation of works in accordance with approved design.
- Supervision and witnessing of performance testing and commissioning activities.
- Review of "as-built" drawings and Operation & maintenance manuals/SOPs.
- Conduct a final inspection and provide a formal project closeout report.

K-Electric Limited



Client: K-Electric Limited
Location: Bela, Baluchistan, Pakistan
Capacity: 100 MW
Service: Independent Engineer
Duration: 2024

In compliance with NEPRA Competitive Bidding Tariff Regulations, 2017 (NCBTR), KE appointed OMS as Independent Consultant (IC). The scope of service of OMS includes but not limited to:

- To conduct thorough technical and financial evaluation as per the regulations, respective RFPs and any directives from NEPRA.
- Technical Evaluation of Bids: Responsible for complete Bid evaluation process i.e., technical and commercial evaluation, ensuring that the proposals submitted by the bidders are complying to the conditions of RFP and are in line with the Regulations
- Commercial Evaluation of Bids: Provide commercial evaluation report outlining the sequence of Bidders based on their commercial bids (from lowest to highest).

- Bid Evaluation Report: The technical and commercial evaluation reports along with the details as per the regulations of NCBT, NEPRA.

K-Electric Limited



Client: K-Electric Limited
Location: Winder, Baluchistan, Pakistan
Capacity: 50 MW
Service: Independent Engineer
Duration: 2024

In compliance with NEPRA Competitive Bidding Tariff Regulations, 2017 (NCBTR), KE appointed OMS as Independent Consultant (IC). The scope of service of OMS includes but not limited to:

- To conduct thorough technical and financial evaluation as per the regulations, respective RFPs and any directives from NEPRA.
- Technical Evaluation of Bids: Responsible for complete Bid evaluation process i.e., technical and commercial evaluation, ensuring that the proposals submitted by the bidders are complying to the conditions of RFP and are in line with the Regulations
- Commercial Evaluation of Bids: Provide commercial evaluation report outlining the sequence of Bidders based on their commercial bids (from lowest to highest).
- Bid Evaluation Report: The technical and commercial evaluation reports along with the details as per the regulations of NCBT, NEPRA.

K-Electric Limited



Client: K-Electric Limited
Location: Karachi, Pakistan
Capacity: 240MW (Wind/Solar Hybrid)
Service: Independent Engineer
Duration: 2024

In compliance with NEPRA Competitive Bidding Tariff Regulations, 2017 (NCBTR), KE appointed OMS as Independent Consultant (IC). The scope of service of OMS includes but not limited to:

- To conduct thorough technical and financial evaluation as per the regulations, respective RFPs and any directives from NEPRA.
- Technical Evaluation of Bids: Responsible for complete Bid evaluation process i.e., technical and commercial evaluation, ensuring that the proposals submitted by the bidders are complying to the conditions of RFP and are in line with the Regulations
- Commercial Evaluation of Bids: Provide commercial evaluation report outlining the sequence of Bidders based on their commercial bids (from lowest to highest).
- Bid Evaluation Report: The technical and commercial evaluation reports along with the details as per the regulations of NCBT, NEPRA.

Kot Addu Power Company Limited (KAPCO)



Client: Kot Addu Power Company Limited
Location: Karachi, Pakistan
Capacity: 150 MW
Service: Owner's Engineer
Duration: 2024 – Ongoing

Contracted by KAPCO to provide Owner's Engineering Services. The scope of service of OMS includes but not limited to:

- Pre-Bid Activities:

- ✓ EPC ITB Preparation and Submission to the KAPCO
- ✓ Pre and Post bid clarifications and EPC techno-commercial bids evaluation report
- ✓ Preparation of KE technical forms for competitive bidding process

- Pre-Construction Activities:

- ✓ Review of final EPC Bid Submissions
- ✓ Contract Negotiation with EPC Contractor
- ✓ Support for issuance of LOI
- ✓ Support for finalization of suit of agreements
- ✓ Support for filing of Generation License Application
- ✓ Support for Financial Close for the Project

- Design Review during construction phase of the project
- Construction Supervision
- O&M Monitoring Services during Defect Liability period

Kot Addu Power Company Limited (KAPCO)



Client: Kot Addu Power Company Limited
Location: Karachi, Pakistan
Capacity: 120 MW
Service: Owner's Engineer
Duration: 2024 – Ongoing

Contracted by KAPCO to provide Owner's Engineering Services. The scope of service of OMS includes but not limited to:

- Pre-Bid Activities:

- ✓ EPC ITB Preparation and Submission to the KAPCO
- ✓ Pre and Post bid clarifications and EPC techno-commercial bids evaluation report
- ✓ Preparation of KE technical forms for competitive bidding process

- Pre-Construction Activities:

- ✓ Review of final EPC Bid Submissions
- ✓ Contract Negotiation with EPC Contractor
- ✓ Support for issuance of LOI
- ✓ Support for finalization of suit of agreements
- ✓ Support for filing of Generation License Application
- ✓ Support for Financial Close for the Project

- Design Review during construction phase of the project
- Construction Supervision
- O&M Monitoring Services during Defect Liability period

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Contact Us

We'd like to hear from you

To benefit from our impartial and Independent services or to find out more about our experience and what we have to offer visit www.omsltd.net or contact us through any of the telephone numbers listed below:

Accreditations

We are committed to quality

We hold multiple certification in Safety, Environment and Quality system and are committed to deliver the highest standards of Quality, Environmental and Health & Safety Assurance. This commitment is demonstrated by our continued certification of ISO 45001:2018 (Health & Safety Management), ISO 9001 (Quality Management) and ISO 14001 (Environmental Management) standards. This award compliments our multiple accreditation and further emphasizes our commitment to enhancing standards through continuous quality improvement practices and underlines our dedication to the provision of technical excellence.

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