

Profile of 'Engreen Limited'



A sister concern of **'Concord Pragatee Consortium Ltd. (CPCL)'**
www.cpc.com.bd

Concord Pragatee Consortium Ltd. (CPCL) formed in 1982 and so far reaped several accolades by successfully completing wide range of multi-million dollar projects in the sectors related to Power Generation, Roads, Highways and Bridges. *The average annual turnover of the last five years of CPCL is about BDT 2730 million (35 million USD).* Few landmark projects of CPCL are, construction & maintenance of Dhaka-Chittagong Highway, Dhaka-Sylhet Highway, Highways of Dinajpur, Rangpur, Rajshahi & Khulna, 300ft wide Purbachal Link Road (ongoing), so on & so forth. CPCL ventured into Power Generation business in 2007 and so far pursued several Power Projects stated below. Please visit www.cpc.com.bd to know more about CPCL.

- *Sponsor of 55MW Rental Power Plant at Ashuganj under BPDB - Gas Fired.*
- *Engineering, Procurement & Construction (EPC) of 52MW Dual Fuel Power Plant at Kodda, Gazipur under RPCL-HFO Fired.*
- *Engineering, Procurement & Construction (EPC) of 25MW Dual Fuel Power Plant at Raozan, Chittagong under RPCL-HFO Fired.*

CPCL spread its wings into Green Energy arena through forming a dedicated venture “engreen limited” which is a limited company duly registered with RJSC and 100% subsidiary of CPCL. Engreen formed with a far-reaching mission “Nurture Nature’s Power” of the country through fostering state of the art renewable technologies and mitigating the challenges of going green with its innovative solutions. Currently Engreen is one of the leading ESCO (Energy Service Company) of Bangladesh, emerging every day through its committed vision “Energizing Green”. Engreen manifolds several optimized green energy choices for MNOs (Mobile Network Operators). These solutions unveil opportunities for MNOs to Go Green cost-effectively in their BTS Sites located in off-grid, vulnerable-grid, bad-grid/unreliable-grid areas of all regions of Bangladesh.

Please also see Engreen Profile in the Vendor Catalogue of GSMA’s Green Power for Mobile (GPM) at the GSMA website’s Link: http://www.gsma.com/mobilefordevelopment/wp-content/uploads/2013/04/GSM_Vendor_040413_Banqladesh.pdf

Within a short span of time, Engreen has strongly positioned itself in mitigating the challenges of Going Green by getting the basics right with its enviable reputation earned by honesty, sincerity, reliability, customer centricity and high degree of diligence. Engreen is successful in executing all projects within the targeted timeframe, minimizing cost without compromising the quality and these are the strengths of Engreen which won its clients confidence.

Engreen aims to be the trusted partner of MNOs on extending mobile beyond the grid through its game changing "no hassle" approach, cost-efficient renewable energy technologies through different business models including CAPEX Model, OPEX Model (under Power Purchase Agreement “PPA” or Flat Fee model), Hybrid Model. The geo footprint of Engreen is all over Bangladesh.

*Engreen successfully completed several Solar-DG hybrid power solutions for one of the Leading Operators of Bangladesh “BanglaLink”. In 2012 Engreen became the strategic partner of GREEN BTS Project of BanglaLink for total forty (40) sites with the vast scope including solar feasibility survey, solution, design, Equipment purchase & rollout, installation, testing and commissioning. This project is under OPEX (PPA) model with a longer term (10 years) where Engreen is responsible for all power issues including operation & maintenance with the KPI target of 100% power availability. The project is ongoing and currently the total completed Solar-DG Hybrid sites **stands at 15 (fifteen) in no.** spanning across all regions of Bangladesh and these sites are running in full swing providing Banglalink a good experience.*

The current limited grid infrastructure of Bangladesh in the last mile has led Engreen to invest for powering the growing network of MNOs as they have high renewable potentials. Engreen has implemented Solar-DG-Battery Hybrid solutions at their off-grid BTS sites in order to reduce the dependence on diesel power, to minimize cost of operations and maintenance, to ensure 100% network uptime. The initiative has embraced MNOs to be a good corporate citizen through introducing energy-mix in their network and also to reduce their energy OPEX and GHG emission. Moreover, deploying 5 % Green BTS is now “must have” for MNOs as a part of their license obligation fixed by Govt. Although low penetration of grid power and high cost grid extension were the acute challenges for MNOs to extend their footprint, Engreen is powering their network as strong as ever through the appropriate Green Choices.

Services & Solutions of Engreen:

- *Facilitates MNOs to extend their footprint in off-grid areas by providing load wise customized Solar-DG Hybrid system with 100% power availability.*
- *Owns, installs, operates and maintains the renewable energy power system and sells power to the MNO at an agreed per kilowatt-hour rate.*
- *Minimizes MNO's OPEX though reducing DG Run Hour and also save environment through the reduction of CO₂ Emission.*
- *Provide customized solution to fit the existing tower sites with required shadow-free and sun facing space.*
- *Solar-DG Hybrid system includes: 4 to 8 kWp PV, maintenance-free Gel battery with cooling units, 80 to 160A controller and 15 to 25 KVA DG at an average run of 1 to 2hrs per day.*
- *Real-time Monitor and Control Unit includes: Site performance data, fault alarms, energy meter, diesel fuel meter, battery & DG usage reports both for individual sites and entire network of the last mile.*

OUR PROJECTS:

Ongoing:

- PPA Project with 'Banglalink' for 40 (Forty) nos. off-grid BTS sites.



Image 1: Located at Harandra Bazar, Hatiya
(40m Underground Cabling from BTS to Solar Panels)



Image 2: Located at Chor Chenga, Hatiya



Image 3: Located at Shantiganj Bz, Jagannathpur, Sylhet
(Customized Rooftop mounted Solar Panels without additional land)



Image 4: Located at Vurungamari, Kurigram



Image 5: Located at Balaganj, Jagannathpur, Sylhet
(Innovative GFRT mounted Panel Structure without additional land)



Image 6: Located at Balla Jagannathpur, Sylhet

Upcoming:

- **3 MWp** Grid-Tied Solar Power Project with BPDB on 15 years BOO (Build, Own & Operate) Basis at Sarishabari, Jamalpur; which is going to be the largest ever solar power plant in Bangladesh.



Site for 3MWp Solar at Shorishabari, Jamalpur.