

THE HUTTI GOLD MINES COMPANY LIMITED

Notice inviting tender for Design, Supply, Installation and Commissioning of 10 KWac Solar system and 15 KVA Inverter system at Chitradurga Gold Unit (CGU), Chitradurga.

The tender is invited for Design, Supply, Installation, Testing and Commissioning of Hybrid - Grid Rooftop Solar PV system and 15 KVA inverter with battery system for Hutti Gold Mines Company Limited Guest house at Chitradurga.

Feasibility study, necessary civil work, Mounting of Module Structures, PV Module Installation, Inverter Installation, DC/AC Cabling and interconnections, Installation of Lightning Arresters and Earthing System shall be as per the standards.

1. Introduction:

Hutti Gold Mines is a leading Gold Producers of India having its Mines & plant at Hutti, Tq. Lingasugur, Dist. Raichur, Karnataka state. Chitradurga Gold Unit (CGU) is another mine of Hutti Gold Mines. At present the mining activities is stopped at CGU and 11.4 MW wind mills are operating at CGU. HGML has a guest house at CGU and it is proposed to install 10 KWac hybrid solar system and 15 KVA Inverter with batteries for guest house.

2. Definition:

10 KWac Hybrid Solar System:

A Hybrid Solar PV power plant system comprises of Solar PV modules with intelligent Inverter having MPPT technology and Intentional Islanding feature and associated power electronics, which feeds generated AC power to the Grid and islands when the Grid is not available. Other than PV Modules and Inverter/Inverters, the system consists of a Battery Bank, Module Mounting Structures, appropriate DC and AC Cables, Array Junction Boxes (AJB) / String Combiner Boxes (SCB), AC and DC Distribution Box, Lightning Arrester, Earthing Systems, Net meter, etc. The system should be capable for exporting the generated AC power to the Grid, whenever the Grid is available and islands whenever the grid is not available. **The Hybrid power plant shall be capable of giving a battery backup of minimum Two hours.**

15 KVA Inverter with Battery backup:

The inverter shall be capable of providing the power backup during main power failure. The inverter shall charge the batteries during grid availability and whenever the grid fails, the inverter shall be capable of providing the battery backup of minimum two hours.

The above two systems shall work independently.

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3. Eligibility Criteria:

- a. The bidder shall have an experience of installing minimum 1 No. of 10 kW roof top solar power plant in single location and cumulative 30 KW Hybrid Solar Roof Top Systems in the last 05 years. Purchase order copies to be enclosed.
- b. The bidder shall possess minimum 5 years of experience in design, supply, erection and installation of solar power plants of cumulative 50 KW capacity in India. (Details should be provided).
- c. The average of total turnover for last three years (FY 2018-19, 2019-20 & 2020-21) of the bidder should not be less than the estimated cost of the tender. P&L and balance sheet statement shall be enclosed.
- d. Bidder Shall be a manufacture of solar PV panels / Solar Inverter or the bidder who is not a manufacturer have to furnish the Manufacturer authorization form (MAF) issued by the manufacturer of the Solar PV panel / Solar Inverter.
- e. The bidder should submit documentary proof in regard to fulfilling these eligibility criteria along with their offer. The offers of bidders who do not meet the eligibility criteria as mentioned above shall not be considered. Bidder may note that their Contract Agreement for this work is liable to be terminated at any time later, in case any of the information furnished by them is found to be untrue/ false or any adverse point comes to light subsequently.
- f. The bidders has to submit the list of items along with the quantity and make of the items quoted without the price.

4. Area availability at site:

The total area available on roof top of guest house is approximate 1000 Sqft.

The bidders may visit the site before submitting the bid for proper understanding of site and requirement.