

**Estimate**

**NAME OF WORK:- Installation of Solar Street Light at sansad 9(4 NOS), Mirdanga Mouza and sansad 13 (4 NOS) Bandhagachi Mouza, under Guptipara no 1 G.P.**

**FUND:- 15 TH.FC**

Activity Id:- 113867534

| SL. NO. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quantity | Unit | Rate    | Total Amount |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|---------|--------------|
| 1       | Supply of 100 Wp Poly/ Mono crystalline module with IEC 61215, IEC 6173-1,2 compliance with any ISI MNRE approved. <b>3 YEARS COMPLETE ON SITE WARRANTY.</b>                                                                                                                                                                                                                                                                                                                                                               | 8        | Each | 3500.00 | 28000.00     |
| 2       | Supply of <b>12.8V 30 Ah</b> LITHIUM FERRO PHOSPHATE (LiFePO4) Battery having BIS certificate). The batteries should have higher life expectancy, longer cycle life, low discharge rate and fast charging facilities Battery should provide 12 Hrs battery backup. The battery must be provided with GI out door type battery box/ inbuilt in Luminaries (MAKE - MNRE APPROVED ) <b>3 YEARS COMPLETE ON SITE WARRANTY.</b>                                                                                                 | 8        | Each | 6000.00 | 48000.00     |
| 3       | Supply of 24 W Luminaries comprise of<br>a) 24 W LED (philips/osram/equivalent reputed make with BIS certificate).<br>b) Charge controller and it should have over charge protection, deep discharge protection, Battery reverse polarity protection, Load short circuit protection, Open circuit protection, panel reverse polarity protection, Over temperature protection.<br>c) Automatic dusk to dawn controlling system to monitor LED operation.<br>(MAKE- MNRE APPROVED) <b>3 YEARS COMPLETE ON SITE WARRANTY.</b> | 8        | Each | 3200.00 | 25600.00     |
| 4       | Supply 6 Meter height Tubular pole, Dia 76mm, 2 mm thickness G.I pole with a frame structure must be fixed on the pole to hold SPV module. Consist of 1 nos light arm and module mounting structure pole & all fittings complete                                                                                                                                                                                                                                                                                           | 8        | Each | 5850.00 | 46800.00     |
| 5       | <u>Civil work:</u><br>A) The concrete foundation is conducted in one foot Dia Round with a two and half foot depth to be required for the installation of street light.<br>B) Pouring of the mixture of cement:sand: stone chips (1:1.5:3) M20 grade proportionate for the foundation building up with a 300 mm/ 12 " round base and foundation 750 mm from below the GL and ground base 300 mm above the GL which will be 250 mm dia.                                                                                     | 8        | Each | 2250.00 | 18000.00     |
| 6       | Supply of Cables and wires a) DC Cable b) Control Cable                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 28       | MTR  | 50.00   | 1400.00      |
| 7       | Supplying of AL Sheet Display Board mentioning the work description and other details to be fixed                                                                                                                                                                                                                                                                                                                                                                                                                          | 8        | NO   | 350.00  | 2800.00      |

Total:-Rs. 170600.00

Add GST @18% 30708.00

EXCLUDING LABOUR WELFARE CESS RS 201308.00

LABOUR WELFARE CESS @1% 2013.08

TOTAL GST & LABOUR WELFARE CESS :- RS. 203321.08

CONTINGENCY @ 3% 4675.00

TOTAL RS. 207996.08

**SAY:- Rs. 207996.00**

*Nirman Sahayak*  
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Balagarh, Hooghly

Prepared By:- Rahul Chakraborty  
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