TENDER DOCUMENT

TENDER No.: EPI/ERSite/685/WTS/065

FOR

Tender For “Supply, Installation, Testing & Commissioning of Wind Turbine System and other related works for Construction of Bihar Police Academy Project, Rajgir, Nalanda

VOLUME – III

(Price Bid and Bill of Quantity)

ENGINEERING PROJECTS (INDIA) LIMITED
(A GOVT. OF INDIA ENTERPRISE)
Core-3, SCOPE Complex,
7, Lodhi Road, New Delhi – 110003
<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Description</th>
<th>Unit</th>
<th>Qty</th>
<th>Unit Price</th>
<th>Amount</th>
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| 1     | Supply, Installation, Testing and Commissioning at site including associated civil works where-ever applicable for generating wind power with the following specification complete as required:  
1.1 Wind Turbines of capacity 2.4 Kw including monitoring software and following specification.  
**Model: Skystream 3.7**  
Rated Capacity: 2.4 kW  
Rotor Diameter: 12 ft (3.72 m) Swept Area: 115.7 ft² (10.87 m²)  
Type: Downwind rotor with stall regulation control  
Direction of Rotation: Clockwise looking upwind  
Blade Material: Fiberglass reinforced composite Number of Blades: 3  
Rated Speed: 50-325 rpm Tip Speed: 213 ft/s (66 m/s)  
Alternator: Slotless permanent magnet brushless Yaw Control: Passive  
Grid Feeding: Southwest Windpower inverter 120/240 VAC 50-60 Hz  
Braking System: Electronic stall regulation with redundant relay switch control  
Cut-in Wind Speed (power production starts): 8 mph (3.5 m/s)  
Rated Wind Speed: 29 mph (13 m/s)  
User Control: Wireless 2-way interface remote system  
Survival Wind Speed: 140 mph (63 m/s)  
Cut-in Wind Speed (power production starts): 8 mph (3.5 m/s)  
Rated Wind Speed: 29 mph (13 m/s)  
User Control: Wireless 2-way interface remote system  
Survival Wind Speed: 140 mph (63 m/s) | Each 5 | 270 |
| 1.2   | Roof-Mounted Solar PV System of 2 KW with Solar Tracker | Each 2 | 270 |
| 1.3   | Supply & laying of cable in trench/cable tray/fixing on wall/ existing duct wall with necessary M.S clamps / encasing in pipes etc., testing & commissioning of following size XLPE insulated, PVC sheathed Copper conductor 1100V gr. Armoured U.G cables complete with all necessary consumables as per IS 7908 (part 1) 1988  
4CX25 Sq. mm | meter | 270 |

**Total**  
Total in Words:

Note: Item rates furnished in Price Schedule shall be inclusive of all Taxes & Duties including Service Tax as per clause no 10 of ACC.