



Shuklaphanta Municipality
Office of the Shuklaphanta Municipal Executive
 Jhalari, Kanchanpur
 Sudoor Pashchim Province

Name of Project : Supply and Installment of Solar Street Light in different wards of Shuklaphanta Municipality
 Location : Shuklaphanta Municipality

FY : 2080/81
BILL OF QUANTITY (BOQ)

S.N.	Name Of the Component	Technical Specification	Quantity	Rate		Amount (NRS)	Remarks
				Rate in Figure	Rate in Word		
1	Solar PV Panel	Solar Photovoltaic Panel of 2 nos. 100 Wp having Capacity 200 Wp for single set with Mono Crystalline Silicon with PV Module Efficiency: ≥ 17%, RETS certified and 10 yrs warranty on PV module	7				
2	Battery	Battery(12v),100Ah Po4 Battery/82Ah@C10 Li-Ion(LifePo4) Battery RETS certified, Minimum 5Years Warranty	7				Non VAT Item
3	Charge Controller With Dusk to Down Function, three Stage dimming function (Sensor)	Automatic Dusk to Down MPPT Charge Controller 15A/20A 12-24V ,three stage dimming function..5 to +55 °C/35 to 85%RH (Without Condensation).Solar reverse-charging protection, solar reverse-connection protection, battery over charge protection, battery over-discharge protection ,battery reverse-connection protection. RETS Certified.	7				Non VAT Item
4	Street Light (LED)	LED Street Light:40W.The proposed LED life shall be minimum 50,000 hours, must submit IP65 or above and beam angle should be 120 degree compliance certificate, RETS certified.	7				
5	Steel Tabular Poles	Single Arms Hot Deep Galvanized Pole(9m,105kg) Minimum Coating 80 Micron.Pole's diameter: For 9 meter pole: Thickness Top 2.0 meter: 3.25 mm Middle 2.0 meter: 4.5 mm Bottom 5.0 meter: 4.85 mm Diameter Middle 2 meter: At least 3 inch Bottom 5 meter: At least 4 inch Double 100 watt panel frame made of galvanized mid steel on the top of the pole.	7				
6	SPV Mounting Frame	Interconnecting Wire and Installation with Other Accessories, (Nut-Bolt Earthing Set)	7				
<p align="right"> Total VAT @ 13 % on excluding non VATable items Total Cost Including @ VAT </p>							

Name of Bidder :
 Stamp :
 Date :
 Authorized Signature :