

Bill of Quantities (BoQ) for Solar Irrigation System

SN	Item Description	Capacity	Unit	Quantity	Unit Price in NRs. (Excluding VAT in figures)	Total Amount in NRs
1	2	3	4	5	6	7=5x6
1	Solar PV Module		kWp			
2	Submersible/Surface Solar Pump with controller and pump accessories	As per TS	No	1		
3	GI Mounting Structure with concrete foundation	As per TS	kWp			
4	DC-combiner Box (IEC 60529 class IP65 or better) Surge Protectors, Circuit Breaker	As per TS	Set	1		
5	UV protected PV extension cable	As per TS	m	As required		
6	Power cable	As per TS	m	As required		
7	Lightning Protection and Earthing System	As per TS	LS	1		
8	Chain link fencing of 10 SG wire mesh (2"X2") nut bolt mounting on Iron Angle Post of 40mm*40mm*6mm size at interval of 1.5m center-to-center, of height 2.0 meter fixed on PCC 1:1.5:3 concrete base of 0.3m (L) *0.3m (B)*0.5m H) with suitable entrance for solar array including materials, transportation and workmanship	As per TS	L.S	1		
9	Fittings and Accessories	As per TS	LS	1		
10	Site verification, User Training, Manual in Nepali version, T&C	As per TS	LS	1		
11	Installation	As per TS	LS	1		
12	After Sales Service	As per TS	Years	3		
13	Flow meter	As per TS	Nos.	1		
14	Transportation	To the Site	LS	1		
A	Total Amount (NRs.)					
B	Total Amount of VAT Applicable Items Only					
C	VAT @ 13% of VAT Applicable Items Only (0.13*B)					
D	Total Amount including VAT in Figure (NRs.) (A+C)					

Total Amount Including VAT in Words (NRS) (D):
