

Package (B) Solarization

Financial Proposals (Envelope B):

Cost for Establishment of One IT/Computer Lab (PKR) inclusive of Accessories, Services/ Maintenance and Warranty etc.

S.#	Description	Quantity	Per lab cost		Total Price (Rs.) Inclusive of all Taxes	
			in Figure	in words	in Figure	in words
1	Solar Panel (PV module) mono-crystalline, A Grade, 17.50% Module efficiency minimum and 25 years power output warranty, IEC 61215 and IEC 61730 certified. (Total Capacity = 1560 Watts)					
2	Solar Off-Grid Hybrid Inverter 96V with built in MPPT Charge controller and all sorts of safety protections as per instructions of Client / Engineer in- charge.					
3	15 Amp AC Breaker 2-P B/W inverter & Wapda					
4	40 Amp AC Breaker 2-P B/W Inverter & Load					
5	DC Breakers 600V/63A-2P between PV Modules and Inverter					
6	100 Amp/200V DC Breaker 2-P b/w inverter & battery bank					
7	Changeover Switches 30 Amp					
8	DC Combiner Box for combination of strings with DC fuses, SPD, Block connector, insulators, DC circuit breaker and bus bars etc. complete in all respects as per instructions of the Engineer in-charge					
9	Inauguration/Sign Board (As Per design approved by Engineer In-Charge)					
10	Supply and Erection of Lithium Ion LiFeP04 Battery Bank: 15.36 kWhr					
11	Market Rate of Supply and Erection of hot dipped (80 microns Average) Galvanized steel of minimum thickness of 12 SWG / 2.64 mm Channel / Pipe or 8 SWG / 4.06 mm Angle with complete accessories					