

"FINANCIAL BID"

SHEDULE OF WORK ALONG WITH BILL OF QUANTITY					
Name of work: "Supply, Installation, testing & commissioning of Stand alone Solar Street Lighting System with LED Light Fittings along the Campus street from Main Gate No. 2 to Gate No. 4 near residential complex of IACS Campus, Jadavpur.					
Sl. No.	Description of Work	Qty	Unit	Rate (Rs.)	Amt. (Rs.)
1	Stand alone type Solar Lighting System :				
a)	Supply of following materials for providing Stand alone type Solar Lighting System with 3 days Autonomy Dusk to Dawn micro controller operation comprising with (a) 5.0 m hight GI pole (medium class) of 65mm dia GI pipe (Make: TATA / Zindal) along with necessary base and top plate, (b) Luminarie having Aluminium Pressure Die-casted housing conforming to IP-65 protection including supply of 18 watt LED lamp (Make: Philips /Crompton /Osram/Havells), (c) PV Module of 12V/80Wp (Make: Delta Power / Webel Solar /Evergreen Solar or equivalent), (d) SMF Battery (VRLA) of 12V/100 Ah (Make: Exide/Amara Raja/TATA Green) alongwith Battery box, (e) Suitable rated Inverter cum charge controlelr (Make: Delta Power / SMA or equivalent), comlete with all other accessories viz. connecting wires / cables, switches etc.as required to complete the job in all respects as per the direction of Engineer in Charge. Note: (i) All items should be maintained ISI marked, (ii)The system lights at dusk and switches off at dawn autometically.	20	sets		
	Installation, Testing & Commissioning :				
b)	Erection of above GI pole in cement concrete1:3:6 (1 Cement:3 sand and :6 Graded Stone aggregate 40mm nominal size) foundation (size:1000mm depth x 400mm dia.) including excavation and refilling and secured with holding clamps, bolts, nut, etc. as required under the direction of the Engineer-in-Charge.	20	Job		
c)	Providing and making GI Pole collar with cement concrete (1 Cement : 3 coarse sand and :6 Graded stone aggregate 20mm) of size and shape(600mm hight x 300mm dia.) including plastering etc. as required under the direction of the Engineer-in-Charge.	20	each		
d)	Testing and commissioning of above Stand alone Solar Street Lighting System including connections / terminations of wires /cables etc. as required to complete the same in all respects as per direction of the Engineer-in-Charge.	20	each		

Sl. No.	Description of Work	Qty	Unit	Rate (Rs.)	Amt. (Rs.)
2	Earthing: -				
a)	Providing Earthing with 25mm dia 2m long G.I. earth spike as per relevant IE rules viz. IS:3043 under the direction of the Engineer-in-Charge.	20	sets		
b)	Providing Earth Conductor with 6 SWG GI wire from earth electrode to poles in 15mm dia medium class GI pipe as per IS: 3043 including excavation & refilling as per direction of the Engineer-in-Charge.	50	Mtr		
		Total (Rs.)			
	(Rupees Only)				

Signature & Seal of Bidder