

SORS – SCHEDULE OF REQUIREMET:**05 KW Hybrid Solar inverter in Deputy Commissioner office sanghar .**

1.

Sr #	Description	Unit	Quantities
01	Supplying of Customised G.I Pre-fabricated Solar Stand 12/14 SWG , for fixing 02 Solar panels on each stand , including 3/8''-1/2 anchor bolt including nuts,bolts,washers etc.	Each	08
02	Supply of solar panels polycrystalline(PVC module) 330 watts each , a quality made in Germany /Canada/China or equivalent etc.	Each	16
03	Supply of hybrid solar inverter on grid/off grid MPPT based , 5 KW infiny-v/infiny vii/MKS-II or equivalent , supporting 48 volts system with battery and without battery solar inverter , suitable for 48 volts all in one pure sign waves best quality with 01 year warranty .	Each	01
04	Supplying of pure DC copper cable (99.99) % single core /tin coated 30mm 2 form inverter to batteries , running of cables in PVC pipe/dura duct 1''to 3''from batteries to invertors, complete in all respect .	Meter	20
05	Supply of pure DC copper cable (99.99) % single core/tin coated 10mm 2 form pv module to invertors running of cable in pvc pipe(shavel or equalevant 1''dia fixing the PVC pipe with G-1/PVC saddle from poly module to inverter	Meter	100

Sr #	Description	Unit	Quantities
06	Supply of deep storage	Each	08

	battery phoenix TX-3000, 280 AH, 12 Volts , high TECH/non-spillable of phoenix or equivalent with electrolyte , electrolyte indicator company charged with lead terminals complete in all aspects .		
07	Supply of suitable solid wooden table 1.5"x3" wooden frame, china commercial wood , wooden/Rack 2x4' for batteries height up to 2"-6 from ground level , in two shelves etc.	Mr	02
08	Supply of main concealed steel DB, 14 SWG, Powder coated (18x30") with lock and locking arrangements and with light indicators fixing 3mm glass in open able door, fixing following breakers/items in DB details as under 1-(8 nos AC breaker 10 A/20/A) 2-(02 nos AC/DC breaker two pole 40/50 amps 500 volts for PVC in and out)3-80/100 amps change over switch 500 voter rotary type best quality , 4-surrege arrestors 02 Nos, for PVC in and AC Out , 5 –breaker should be schenieder pr hager completing the DB with all connections/terminations , 6- AC/DC lights indicator with volts /AMP meter and earthening th DB connecting with existing DB/System /Running the complete system in good work condition as per Engineering practice .	Each	01
09	Testing of commissioning of Solar system/above items as per Engineering Practice , as per direction of Engineering in charge , complete in all respect, connecting of main DB with existing DB and running to entire system entire satisfaction of engineer inn charge. inverter to batteries , running of cables in PVC pipe/dura duct 1"to 3"from batteries to invertors, complete in all respect .	Each	01
10	Providing and fixing , fans electric with blades , canopy	Each	12

	and rod including connection , provision of cable and ceiling rose for fan 140 CM sweep with regular (deluxe model)		
11	Providing/fixing of 1.5 Tons invertors type AC with switch type breaker , best quality as approved by the engineer in charge .	Each	02
12	Earth complete as described in para 24-18.5 of internal electric specification in 8 SWG copper conductor S/F	Each	01
13	Providing n laying (main or sub main) PVC insulated wire with 7/.029/.036/.065 in pvc conduit ¾ complete in all respect .	Meter	400
14	Wiring for main with 2-7/0.85, .0764 pvc insulated in 30 mm(1/4" pvc insulated wire service 7 .	Meter	100
15	Contractor will provide original invoice with catalog of the invertors to the department and provide guarantee for free replacement of parts for 1 year.	NIL	NIL

2. 02 No's Inverter AC(1.5 tons) and 12 Solar fans of best qualities

Note:

(Approval copy (attached) pl review , may please be submitted for Tendering process pl.)