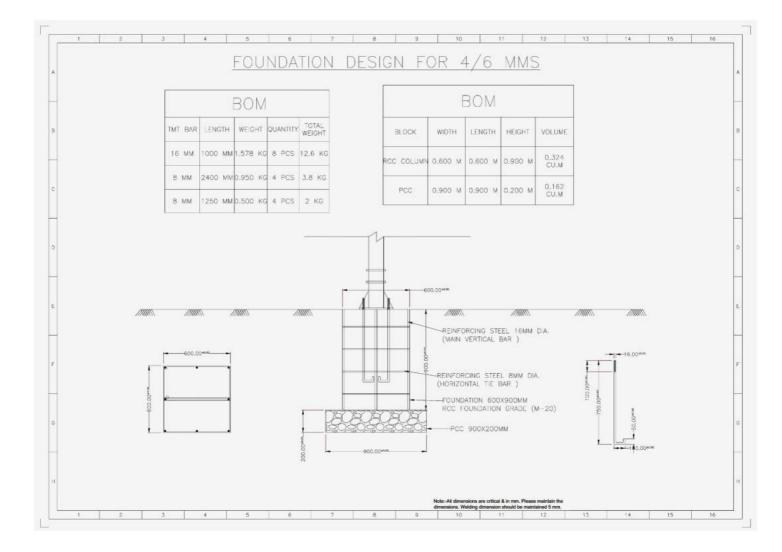
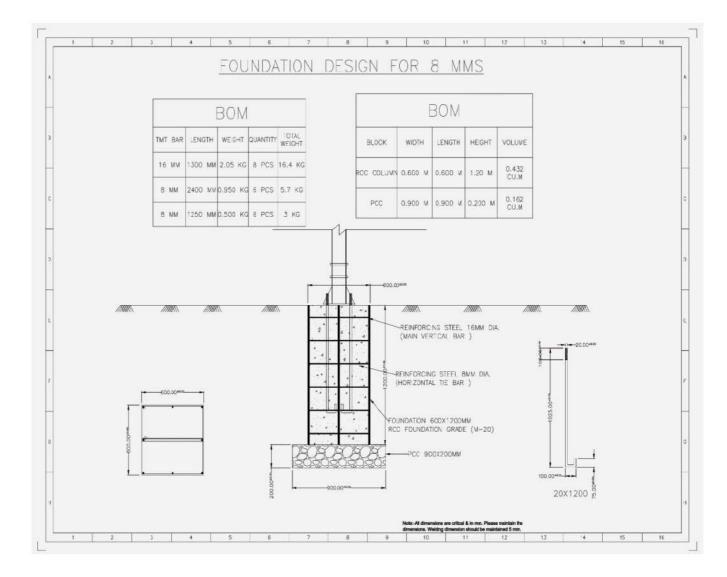


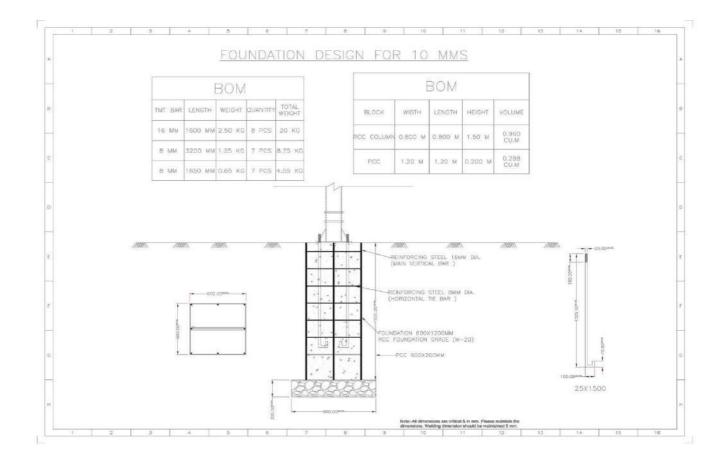
All Dimensions are in mm.
Supporting Pipes material grade should be YST - 240 as per: -IS: 1161 / 1239 & E250 as per: -IS: 1079 / 2062.

|--|

SR. NO.	PART NAME	CROSS SECTION DETAIL	LENGTH (MM)	QUANTITY PER SET		
1.	MAIN POLE					
	4, 6 and 8 Modules	139 OD	1500	1		
	10 Modules	165 OD	1500	1		
2.	TOP PLATE (Common for all)	300 OD		1		
3.	CLAMP WITH BLADE					
	4, 6 and 8 Modules (for 139 OD pole)	75X8	380	2		
	10 Modules (for 165 OD pole)	75X8	380	2		
4.	SUPPORTING PIPES					
	4, 6 and 8 Modules	41 OD & 33 OD		6		
	10 Modules	41 OD & 33 OD		8		
5.	MAIN TUBE					
	4 and 6 Modules	60X60X3.6	3300	1		
	8 and 10 Modules	122X61X3.6	3300	1		
6.	SIDE TUBE					
	4 and 6 Modules	50X50X3.6	3300	2		
	8 and 10 Modules	80X40X3.2	3300	2		
7.	MOUNTING PURLIN					
	4 Modules	80X50X15X2	2050	4		
	6 Modules	80X50X15X2	3100	4		
	8 Modules	80X50X15X2	4150	4		
	10 Modules	100X50X15X2	5200	4		







## ANNEXURE – II

of 20

meters)

of 30

meters)

Model-Model-Model-I Model-II Model-III Model-IV Model-V Model-VI Model-VII Model-IX Model-X Model-XI Model-XII Description VIII XIII PV array 900 4800 4800 9000 1800 2700 2700 4800 6750 6750 6750 9000 9000 (Wp) Motor Pump-set 1 2 3 3 5 5 5 7.5 7.5 7.5 10 10 10 capacity (HP) Shut Off Dynamic 12 12 12 12 45 12 25 45 12 25 45 25 25 Head (meters) 99000 198000 297000 148500 528000 264000 182400 742500 371250 256500 990000 495000 342000 Water (from a output \* total head (Liters per

Indicative Technical Specifications of Shallow Well (Surface) Solar Pumping Systems with D.C. Motor Pump Set with Brushes or Brushless D.C. (B.L.D.C.)

\* Water output figures are on a clear sunny day with three times tracking of SPV panel, under the "Average Daily Solar Radiation" condition of 7.15 kWh/ sq.m. on the surface of PV array (i.e. coplanar with the PV Modules).

of 20

meters)

of 30

meters)

of 10

meters)

of 20

meters)

of 30

meters)

of 10

meters)

Notes:

day)

of 10

meters)

1. Suction head, if applicable, maximum 7 meters.

of 10

meters)

of 10

meters)

of 20

meters)

of 10

meters)

- 2. For higher or lower head / PV capacity, or in between various models; water output could be decided as per the clause 4 (i.e. Performance Requirements) specified earlier.
- 3. If submersible pumps are used in lieu of surface pumps, the water output must match that of the surface pumps as specified in this table.

## ANNEXURE - II (CONTD.)

Indicative Technical Specifications of Solar Deep well (submersible) Pumping Systems with D.C. Motor Pump Set with Brushes or Brushless D.C. (B.L.D.C.)

Description	Model-I	Model-II	Model- III	Model- IV	Model-V	Model- VI	Model- VII	Model- VIII	Model- IX	Model-X	Model- XI	Model- XII	Model- XIII	Model- XIV
PV array (Wp)	1200	1800	3000	3000	3000	4800	4800	4800	6750	6750	6750	9000	9000	9000
Motor Pump-set capacity (HP)	1	2	3	3	3	5	5	5	7.5	7.5	7.5	10	10	10
Shut Off Dynamic Head (meters)	45	45	45	70	100	70	100	150	70	100	150	70	100	150
Water output * (Liters per day)	45600 (from a total head of 30 meters)	68400 (from a total head of 30 meters)	114000 (from a total head of 30 meters)	69000 (from a total head of 50 meters)	45000 (from a total head of 70 meters)	110400 (from a total head of 50 meters)	72000 (from a total head of 70 meters)	50400 (from a total head of 100 meters)	155250 (from a total head of 50 meters)	101250 (from a total head of 70 meters)	70875 (from a total head of 100 meters)	207000 (from a total head of 50 meters)	135000 (from a total head of 70 meters)	94500 (from a total head of 100 meters)

\* Water output figures are on a clear sunny day with three times tracking of SPV panel, under the "Average Daily Solar Radiation" condition of 7.15 kWh/ sq.m. on the surface of PV array (i.e. coplanar with the PV Modules).

Notes:

- 1. For higher or lower head / PV capacity, or in between various models; water output could be decided as per the clause 4 (i.e. Performance Requirements) specified earlier.
- 2. If surface pumps are used in lieu of submersible pumps, the water output must match that of the submersible pumps as specified in this table.

## ANNEXURE – III

Description	Model-I	Model-II	Model-III	Model-IV	Model-V	Model-VI	Model-VII	Model- VIII	Model-IX	Model-X	Model-XI	Model-XII	Model- XIII
PV array (Wp)	900	1800	2700	2700	4800	4800	4800	6750	6750	6750	9000	9000	9000
Motor Pump-set capacity (HP)	1	2	3	3	5	5	5	7.5	7.5	7.5	10	10	10
Shut Off Dynamic Head (meters)	12	12	12	25	12	25	45	12	25	45	12	25	45
Water output * (Liters per day)	89100 (from a total head of 10 meters)	178200 (from a total head of 10 meters)	267300 (from a total head of 10 meters)	132300 (from a total head of 20 meters)	475200 (from a total head of 10 meters)	235200 (from a total head of 20 meters)	168000 (from a total head of 30 meters)	641025 (from a total head of 10 meters)	330750 (from a total head of 20 meters)	236250 (from a total head of 30 meters)	890000 (from a total head of 10 meters)	441000 (from a total head of 20 meters)	324000 (from a total head of 30 meters)

Indicative Technical Specifications of Shallow Well (Surface) Solar Pumping Systems with A.C. Induction Motor Pump Set

\* Water output figures are on a clear sunny day with three times tracking of SPV panel, under the "Average Daily Solar Radiation" condition of 7.15 kWh/ sq.m. on the surface of PV array (i.e. coplanar with the PV Modules).

Notes:

- 1. Suction head, if applicable, maximum 7 meters.
- 2. For higher or lower head / PV capacity, or in between various models; water output could be decided as per the clause 4. (i.e. Performance Requirements) specified earlier.
- 3. If submersible pumps are used in lieu of surface pumps, the water output must match that of the surface pumps as specified in this table.

## ANNEXURE - III (CONTD.)

Description	Model-I	Model-II	Model- III	Model- IV	Model-V	Model- VI	Model- VII	Model- VIII	Model- IX	Model-X	Model- XI	Model- XII	Model- XIII	Model- XIV
PV array (Wp)	1200	1800	3000	3000	3000	4800	4800	4800	6750	6750	6750	9000	9000	9000
Motor Pump-set capacity (HP)	1	2	3	3	3	5	5	5	7.5	7.5	7.5	10	10	10
Shut Off Dynamic Head (meters)	45	45	45	70	100	70	100	150	70	100	150	70	100	150
Water output * (Liters per day)	42000 (from a total head of 30 meters)	63000 (from a total head of 30 meters)	105000 (from a total head of 30 meters)	63000 (from a total head of 50 meters)	42000 (from a total head of 70 meters)	100800 (from a total head of 50 meters)	67200 (from a total head of 70 meters)	43200 (from a total head of 100 meters)	141750 (from a total head of 50 meters)	94500 (from a total head of 70 meters)	60750 (from a total head of 100 meters)	189000 (from a total head of 50 meters)	126000 (from a total head of 70 meters)	81000 (from a total head of 100 meters)

Indicative Technical Specifications of Solar Deep well (submersible) Pumping Systems with A.C. Induction Motor Pump Set

\* Water output figures are on a clear sunny day with three times tracking of SPV panel, under the "Average Daily Solar Radiation" condition of 7.15 kWh/ sq.m. on the surface of PV array (i.e. coplanar with the PV Modules).

Notes:

- 1. For higher or lower head / PV capacity, or in between various models; water output could be decided as per the clause 4 (i.e. Performance Requirements) specified earlier.
- 2. If surface pumps are used in lieu of submersible pumps, the water output must match that of the submersible pumps as specified in this table.