BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT

State Office: Odisha
Plot No.: 1565/2682, At Bhatra, PO. Dhanupali, Sambalpur
Odisha 768005
Telephone: +91 7894418530

INVITATION FOR QUOTATION

To **Date: 20/11/2026**

_____
_____
_____

Dear Sir / Madam,

Sub.: INVITATION FOR QUOTATION FOR "Solar-based drinking water pumping system 1 hp"

You are invited to submit your most competitive quotation for the following product:

Brief description of the product/work/ service	Specifications	Quantity	Delivery and Installation period	Place of delivery/work/service
Solar-based drinking water pumping system 1 hp	As per attached Annexures 1-8	5	Within 45 days from issue of WO.	Installation sites as given below: 1. Jagannath Mandir, Village-Balangi, GP-Hariharpur, Block-Kaniha, Angul 2. School Naiksahi, Village-Ghantianali, GP-Derang, Block-Kaniha, Angu 3. Shiv Mandir, Village-Dumduma, GP-Hariharpur, Block-Kaniha, Angul 4. Shrigundicha Mandir, Village-Kampasala, GP-Kampasala, Block-Chhendipada, Angul 5. Up School, Village-Takua, GP-Kaniha, Block-Kaniha, Angul

Detailed Description of the Product: As above

1. **Quoted Price:**
   a. The offer shall be for the entire quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re-writing.
   b. The party shall quote for goods / services in the attached format of quotation.
   c. All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.

d. The rates quoted by the party shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
e. Delivery and transportation at the cost of the party.
f. The prices shall be quoted in Indian Rupees only.

2. Each party must submit only one **SEALED** quotation. Party shall not contact other parties in matters related to this quotation.

3. Validity of Quotation

The quotation shall remain valid for a period not less than 30 days after the deadline fixed for submission of quotations.

4. **Evaluation of Quotations**

a. BAIF will evaluate and compare the quotations determined to be substantially responsive i.e. which are properly signed and conform to the terms & conditions and specifications.
b. The evaluation would be done for all the goods / services put together or separately as feasible. The items for which no rates have been quoted would be treated as zero and the total amount would be computed accordingly.
c. List of similar works undertaken with details of clients etc. if any, should be provided.
d. Contract will be awarded to the responsive party/parties based on technical-cum-commercial grounds.

5. **Award of Contract**

a. The contract will be awarded to the party/parties whose quotation has been determined to be substantially responsive and technical specifications and commercial terms best suited to the requirement. BAIF, prior to the expiry of the validity period of the quotation, will notify the party/parties whose quotation has been accepted for the award of contract. The terms of the accepted offer shall be incorporated in the Purchase Order or Work Order. Quotations shall include GST & PAN Numbers.
b. Notwithstanding the above, BAIF reserves the right to accept or reject any quotation and to cancel the procurement process and reject all quotations any time prior to the award of the contract.
c. Rate contract can be entered into for subsequent procurement. Order may be given partially and in multiple slabs.
d. The party/parties are bound to abide by the Organization's Internal Committee guidelines.

6. Normal commercial guarantee / warranty shall be applicable to the supplied goods.

7. Payment terms:

10% advance after receiving of SD amount, 50% payment against supply of mounting structure, water pumps, electrical control panel, ump controller, PV module and water tank along with erection of structure at site with civil foundation, Balance 40% payment against supply of water filter and ACP sheet covering including installation, testing and commissioning of the solar-based drinking water system.

8. Queries pertaining to specifications and scope, if any, may be clarified by contacting the undersigned during office hours.

9. 10 % Security shall deposit in favour of **'BAIF Institute for Sustainable Livelihoods and Development'** and payable at Sambalpur, Odisha within 5 days from the date of the issue of the Work Order and it will be refunded after one year from date of work completion.

10. You are requested to provide your offer **on or before 26th November 2026** in the name of **BAIF Odisha** only at the above address or by E-mail **bisld.odisha@baif.org.in** with a password-protected file. Please mention the Subject on the envelope.

11. We look forward to receiving your quotations and thank you for your interest in this project.

BAIF Institute for Sustainable Livelihoods and Development

Solar drinking water pumping system 1 hp **Authorised Signatory**

Annexure 1

Description of quantities
(1 hp system x 05 in No.)

No.	Description	Unit	Qty.
1	**Supply, installation, commissioning & testing of solar submersible Pump** Supply of 3 Phase 1hp borewell solar submersible pump including mounting structure for water pump, Earthing system, lightning protection, protection system, cable (3C x 1.5 sq.mm. flat cable and PVC insulated AC 3Ø as per IS-694:1990 up to 75 m (approx.) length and laying in high density PVC pipe) (including trench excavation) etc. complete in all respect and as per site condition data provided and specifications provided in Annexures 1-8.	No.	1
2	**Supply, installation, commissioning and testing of solar electrical power plant** Supply of PV module including mounting structure (with civil works), Earthing system, lightning protection, protection system, combiner box, PV cable, SPD, MC4 – connector, MCB, solar fuse etc. complete in all respect and as per instrument specifications provided in Annexures 1-8.	No.	1

Note: The given quantities are for one unit. Requirement is for 5 units.

Annexure 2

Site condition and input data
(1hp system x 5 in No.)

Project category	**:**	**Renewable energy, solar**
Project summary	:	Solar water pumping system
Type of plant	:	Standalone
Location	:	1. Jagannath Mandir, Village-Balangi, GP-Hariharpur, Block-Kaniha, Angul 2. School Naiksahi, Village-Ghantianali, GP-Derang, Block-Kaniha, Angu 3. Shiv Mandir, Village-Dumduma, GP-Hariharpur, Block-Kaniha, Angul 4. Shrigundicha Mandir, Village-Kampasala, GP-Kampasala, Block-Chhendipada, Angul 5. Up School, Village-Takua, GP-Kaniha, Block-Kaniha, Angul
Land	:	Flat
Irradiation details considered	:	Yes
Type of PV module mounting structure	:	Fixed structure (1 set of 3 modules each)
Type of PV modules considered for the offer	:	Poly-crystalline silicon
System capacity pump / solar system	:	1 hp / 0.75 kW
Inverter capacity	:	Refer to technical specification
Water consumption (liters/day)	:	10,000-17,000 (considering 4 hours/day)
Pipe length (m)	:	100
Pipe size (mm)	:	40mm
Total head (m)	:	62-91
Calculated pump capacity (hp)	:	1

Annexure 3

Bill of quantities with specification
(1hp system x 02 in No.)

SN	Description	Specifications	Quantity
1	Solar pump controller	1 hp	1 in No. x 5 systems
2	Solar PV panel	545 W	3 in No. x 5 systems
3	ACDB (with AC SPD & MCB)	1000 V, 20 KA, Type-2 SPD	1 in No. x 5 systems
4	MC - 4 connector Pair	4 Sq.mm.	2 in No. x 5 systems
5	AC cable	3C x 1.5 sq.mm. Flat Cable & PVC insulated, 3 Phase - As per IS-694:1990	As required site-wise for 5 sites
6	DCDB (with DC SPD & DC fuse)	1000 V, 20 A, 50 KA S/C Rating	1 in No. x 5 systems
7	DC cable	4 sq.mm. - PV cable	As required site-wise for 5 sites
8	Solar PV module mounting structure (1 sets of 3 modules each)	Structure designed IS 875: part-3 (Basic wind speed= 42 meter per sec. 150Km/Hr)	As per design for 5 sites
9	Providing of G.I Frame work of angle size (100x100x4mm) of Height 16 ft (4 ft below GL and 12 ft above GL) as per given diagram with folding ladder and 5mm thick G.I sheet for base of water tank.		As per design for 5 sites
10	Earthing system with chemical bag 25 kg, along with pit cover	Rod Type- Cu - (1m, 19-25 mm Dia.)	1 in No. x 5 systems
11	Lightning arrester system with base	Cu, Length - 1m	1 in No. x 5 sites
12	Borewell AC Submersible pump	1hp, 3 phase, 50 Hz, head range 62-91m, LPD- 10000-17000	1 in No. x 5 systems
13	Excavation of foundation for overhead tank of size 4x0.45mx0.45mx1.1 m	As per given design	0.891 cum. x 5 sites
14	Providing concrete (1:3:6) in foundation for overhead tank of size 4x0.30mx0.30mx1.4 m, Base PCC 1x3mx3mx0.3m	As per given design	0.504 cum. x 5 systems
15	Water storage Tank white colour	5000 litre triple layers	1 in No. x 5 systems

16	Construction of stand post (1.5mx1.5m) of 4 tabs with soak pit (1m dia, 2m depth)	As per given design	3 in No. x 5 systems
17	Community drinking water system - filtration technology	Aquaguard Eureka Forbes ASF1500 & ACF1500	1 in No. x 5 systems
18	Display & branding with frame-ACP sheet with vinyl printing, size: 4 ft x 3 ft	As per given design	1 in No. x 5 systems
19	Auto on off system	While water is full in the tank, it will automatically be switched off and when the water level is low, it will automatically be switched on.	1 in No. x 5 systems
20	Panel cleaning system	Automatic Panel cleaning system	1 in No. x 5 systems
21	3.25mm ACP sheet covering for protection to filter units with one side opening door.	128 sq. ft	1 in No. x 5 systems
22	Distribution units 100m pipe including excavation and refilling	100m HDPE, 6 kg/sq.m PE63, ISI mark	1 in No. x 5 systems
23	Main pipeline	66m HDPE, 8 kg/sq.m PE63, ISI mark	1 in No. x 5 systems
24	Integrated solar light	65 w panel, 15 Ah battery and 15w light	1 in No. x 5 systems

Note:
1. The edges in the structure should not be sharp.
2. Hot dip galvanising layer should be uniform.
3. Mounting structure base (PCD) should be mentioned.
4. The given quantities are for single unit. Requirement is for 05 units.

Annexure 4

List of vendors / make

SN	Description	Make
1	Solar pump controller	Kirloskar, Shakti, Lubi, Uratom
2	Solar PV panel	Waaree, Vikram, Emmvee, Tata, Anchor-Panasonic, RenewSys, Contendor, Luminous, Lubi.
3	ACDB (with AC SPD & MCB)	L & T, Schneider
4	MC - 4 connector Pair	Elmax, L & T, Schneider
5	AC cable	RR, KEI, Finolex, Havells, Polycab, Lubi, Microtek
6	DCDB (with DC SPD & fuse DC)	Elmax, L & T, Schneider
7	DC cable	RR, KEI, Finolex, Havells, Polycab, Lubi, Microtek
8	Solar PV module mounting structure	As per fabrication drawing
9	Structure hardware system	Local
10	Earthing system	True Power/Protech/equivalent
11	Lightning arrester system with base	True Power/Protech/equivalent
12	AC Submersible pump (Bore well)	Kirloskar, Shakti, Lubi, Uratom
13	Water storage Tank (HDPE tank) (5000 litter triple layers)	Supreme/Plasto
14	Community drinking water system - filtration technology	Aquaguard Eureka Forbes ASF1500 & ACF1500
15	Distribution pipe	HDPE, 6 kg/sq.m PE63 ISI, Supreme
16	Main pipeline	HDPE, 8 kg/sq.m PE63 ISI, Supreme
17	Integrated Solar light	Battery: BIS approved, Panel: MNRE approved, LED: Philips/Osram/Eveready/ equivalent

Annexure 5

Price Offer (To be submitted by party in the format herein)

Supply, installation, commissioning and testing of 05 solar drinking water pumping systems of 1 hp at Dareng village, Kaniha block, Angul, Odisha

Table 1: Offer Summary (Details in Table 2)

Sr.	Description	Price ( )	GST (%) (if applicable) (`)	Any other (`)	Final offered price (`)
A	05 Sites at Dareng and Takua villages, Kaniha block, Angul: (1 hp system) (Cost of components as given in Table 2)				
B	Supply, installation, commissioning, testing and on-site training including transportation				
C	Comprehensive maintenance for 2 years				
Note: Total amount to be mentioned for 5 sites.					

Table 2: Offer details

Item wise price details (single unit/site)						
Sr.	**Description**	**Qty.**	**Price (`)**	**GST (%)**	**Any other (`)**	**Final offered price (`)**
1	Borewell submersible pump and delivery pipe up to GL (as given in technical details in Annexure 5) HDPE, 5 kg/sq.m PE63, ISI mark	5				
2	PV module of 545 Wp (as given in technical details in Annexures 1-8)	15				
3	Control, electronics and protection (inverter, SPD, connectors, DC cable, MCBs, fuse, combiner box, earthing, lightning protection) {as given in technical details in Annexures 1-8}	5 sets				
4	Solar PV module mounting structure – Hot dip galvanized iron (80 microns) structure with folding ladder. Fix structure as per drawing, excluding civil work). 1 set of 3 panels (as given in the technical details in Annexures 1-8). IS 875: part-3 (Basic wind speed= 42 meter per sec. 150 km/hr)	5 units				
5	AC cable (3C x 1.5 sq.mm three Phase flat cable & PVC insulated as per IS-694:1990, laying in high density PVC pipe) (excluding trench excavation) (as given in technical details in Annexures 1-8)	375 m				
6	Excavation of foundation for overhead tank of size 4x0.45mx0.45mx1.1 m	5 units				
7	Providing concrete (1:3:6) in foundation for overhead tank of size 4x0.30mx0.30mx1.4 m, Base PCC 1x3mx3mx0.3m	5 units				
8	Water storage Tank 5000L, white colour, triple layer.	5 in No.				
9	Construction of stand post (1.5mx1.5m) of 4 tabs with soak pit (1m dia, 2m depth)	15 units				
10	Automatics solar panels cleaning system	5 units				
11	Display & branding with frame-ACP sheet with vinyl printing, size: 4 ft x 3 ft	5 units				
12	Auto on off system	5 units				
13	3.25mm ACP sheet covering for protection to filter units	5 units				
14	Distribution units 100m pipe including excavation and refilling	500 m				
15	Community drinking water system - filtration technology	5 units				
16	Integrated solar light	5 units				
	Total components' cost for 05 systems at 05 sites.					

Rupees (in words): _____ only
Date: Signature with seal of party:

Annexure 6

Undertaking

Date:

To

BAIF Institute for Sustainable Livelihoods and Development - Odisha

Ref.: Supply, installation, commissioning & testing of solar photovoltaic drinking water pumping systems at Derang village of Kaniha block, Angul dist.

Dear Sir,

In response to the invited tender from you, I/We have examined the notice, conditions, specifications and terms of the contract and I/We agree to abide by all instructions in these documents attached hereto and hereby bind myself / ourselves to execute the work as per the schedule stipulated in the notice.

I / We further agree to sign and execute all agreements / bonds as may be required by BISLD to abide by all the conditions of the contract and to carry out all work as per specifications, failing which, I / We shall have no objection to forfeit the earnest money / security money deposited with BISLD.

I / We also undertake that I / We have not been blacklisted by any entities any time.

I / We enclose herewith the required documents.

Yours sincerely

Signature of Party with seal

Encl.:

1. Technical details
2. Price offer

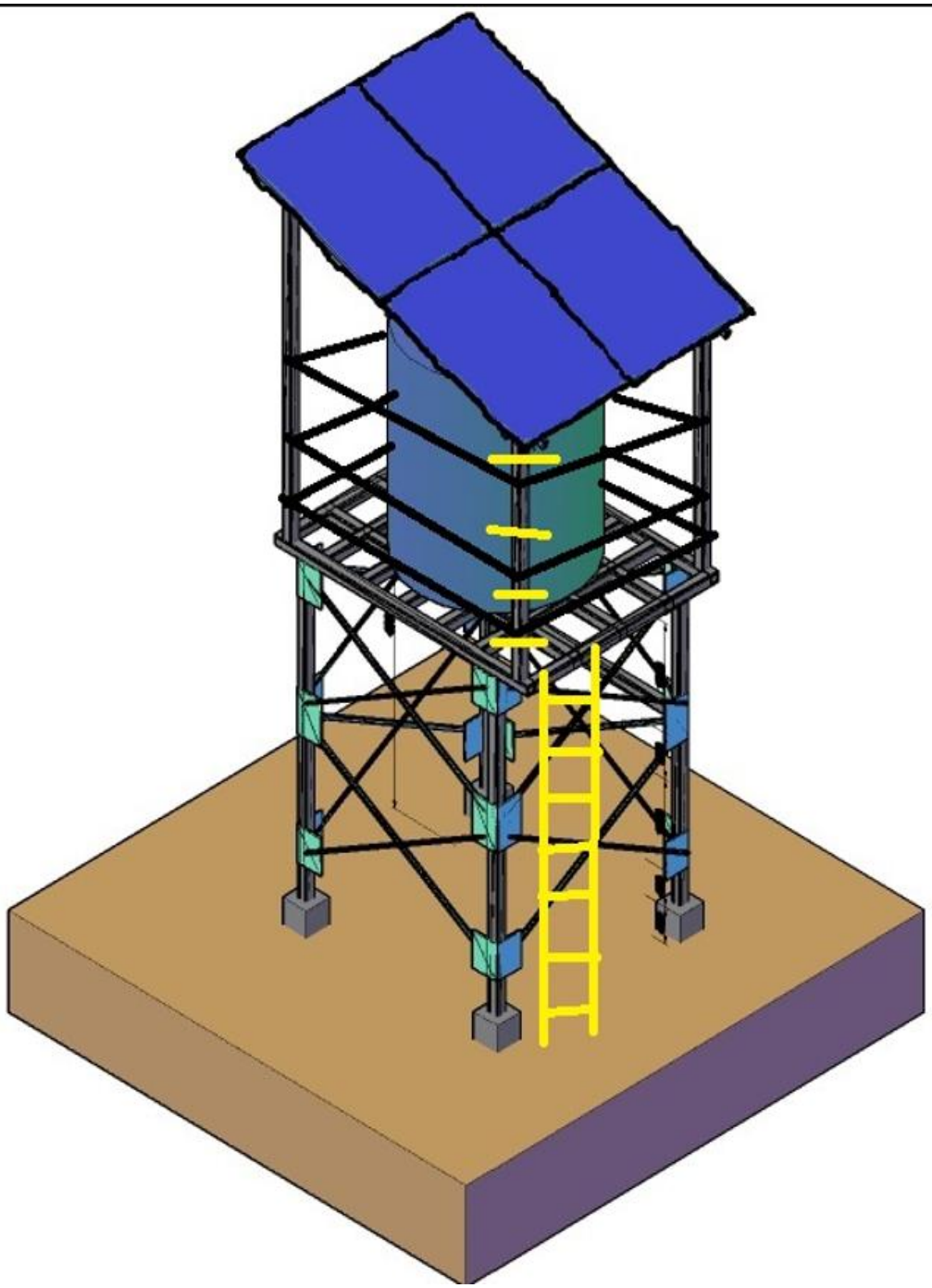
Annexure 7

Enclosures Checklist

1. Copy of GST registration
2. Copy of PAN card
3. Authorisation / dealership certificate from manufacturer
4. Company brochure and product catalogue
5. Self-declaration about not being a blacklisted entity
6. Solar PV module mounting structure drawing
7. List of similar works undertaken in last two years with client contact details
8. Any other supporting documents

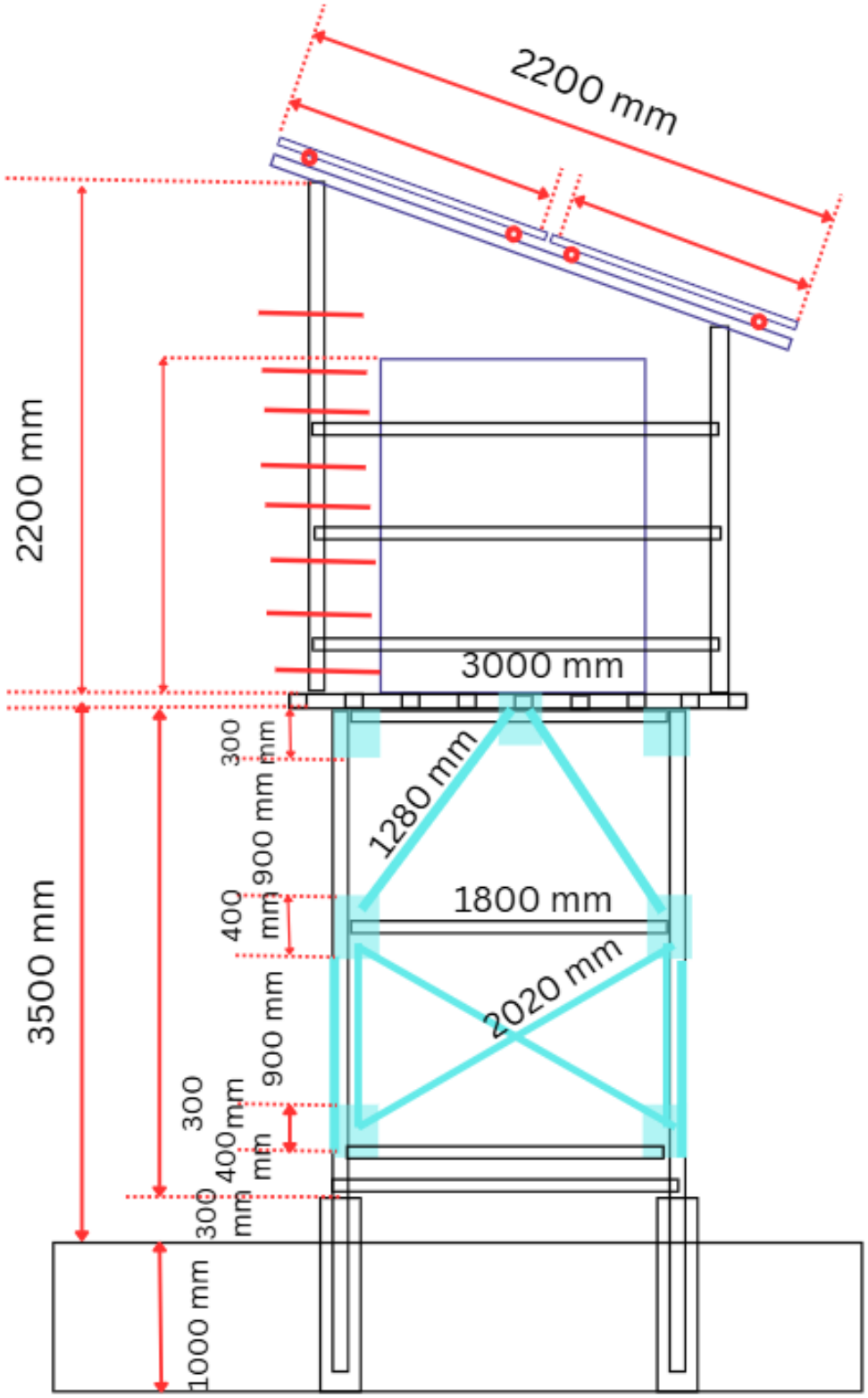
Annexure 8

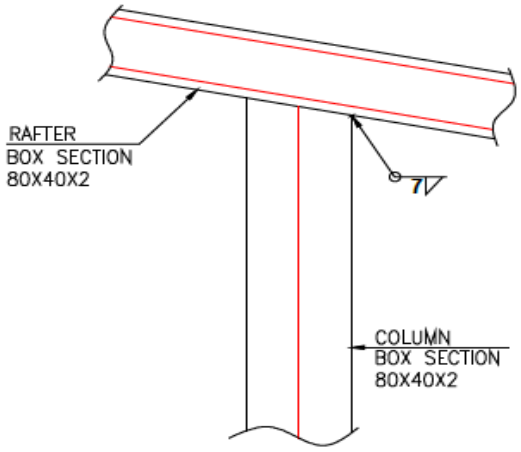
Indicative details and drawing of mounting structure (This is indicative. Mounting structure to be fixed conforming to specifications).



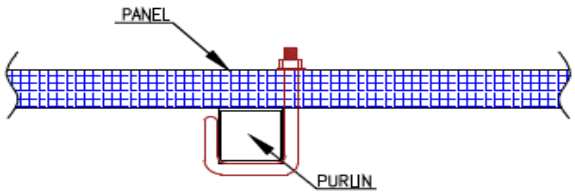
Structure designed: - IS 875: part-3 (Basic wind speed= 42 meter per sec. 150Km/Hr)

Note: - 3 numbers of solar PV panel (545 wp each)

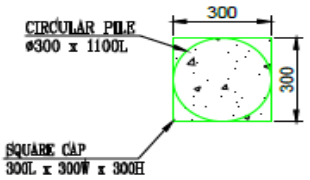

2200 mm
2200 mm
3000 mm
3500 mm
300 mm
900 mm
400 mm
900 mm
300 mm
400 mm
300 mm
1000 mm
1280 mm
1800 mm
2020 mm



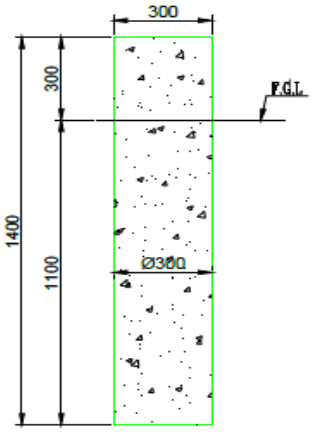
RAFTER TO COLUMN JOINT



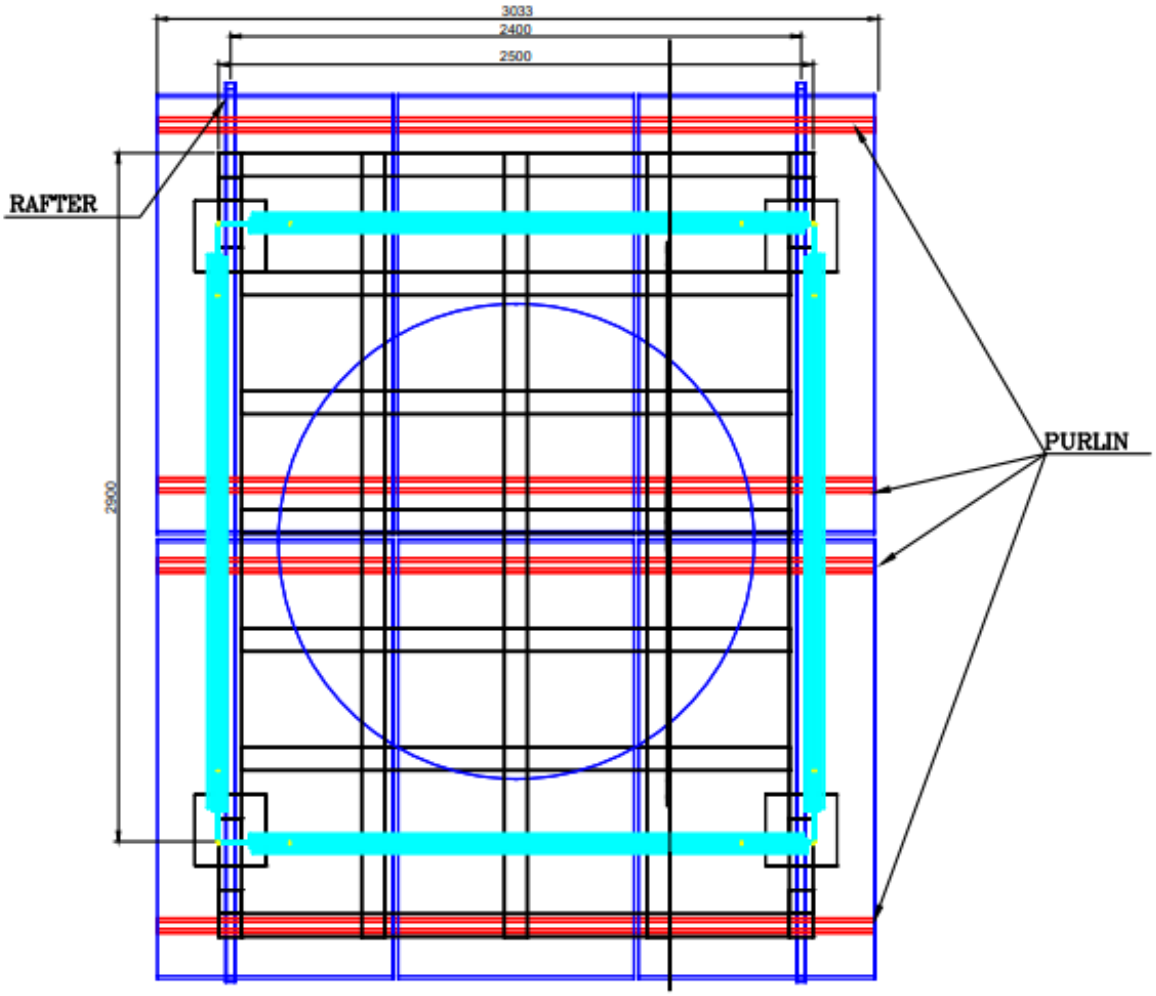
PANEL TO PURLIN JOINT



PLAN



FOUNDATION DETAIL


3033
2400
2500
RAFTER
2900
PURLIN