

Bharat Heavy Electricals Ltd
Electronics Division
Mysore Road, Bangalore – 560 026

**Corrigendum to Tender Documents for Supply of 80sqm HDPE pontoon
for floating Solar PV Power Plant**

RFQ Ref: IRNBOS1000 RFQ Date : 09.08.2016
RFQ Due Date: 19.08.2016

**Corrigendum 1 dt.16.08.2016 : The no. of intermediate pontoon joining pins for
Alternative 2 is revised from 10Nos to 70 Nos.**

Please find enclosed :

- (1) Revised Purchase Specification PS-439-1056 Rev.01**
- (2) Revised Annexures B(Unpriced Bid Format) & B1(Price Bid Format)**



PURCHASE SPECIFICATION
GROUP : PHOTOVOLTAICS

PS-439 -1056

REV NO: 01

PAGE : 1 OF 4

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**TECHNICAL SPECIFICATION FOR SUPPLY OF HDPE PONTOONS FOR
FLOATING SOLAR PHOTOVOLTAIC POWER PLANT**

Approved by :

Revision details :R 01

No of intermediate pins in
Alternative-2 increased

Prepared

Issued

Date



PURCHASE SPECIFICATION
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REV NO: 01

PAGE : 2 OF 4

1.0 Scope of supply:

BHEL – Electronics Division Bangalore is setting up floating solar photovoltaic power plant. The scope of supply is shown as alternative-1, alternative-2. **Vendor shall quote for either alternative-1 or alternative-2.**

Alternative-1:

S.No	Description	Quantity
1	Twin Pontoon of UV resistant Virgin HDPE material Size: 1000mm (L) X 500mm (W) X 400mm (D)	160 Nos (80 sq.m)
2	Pontoon edge fixing bolt, nut and spacer of UV resistant Virgin HDPE material Diameter of through hole in the bolt: 27.2mm to 27.5mm only	310 sets
3	Intermediate pontoon joining pin	10 Nos.

Alternative-2:

S.No	Description	Quantity
1	Single Pontoon of UV resistant Virgin HDPE material Size: 500mm (L) X 500mm (W) X 400mm (D)	320 Nos (80 sq.m)
2	Pontoon edge fixing bolt, nut and spacer of UV resistant Virgin HDPE material Diameter of through hole in the bolt: 27.2mm to 27.5mm only	630 sets
3	Intermediate pontoon joining pin	70 Nos.



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PS-439 -1056

REV NO: 01

PAGE : 3 OF 4

2.0 Technical requirements:

2.1 Material:

- Material: Virgin HDPE

Following materials are not acceptable- LDPE, mixture of LDPE and HDPE or recycled materials.

- UV resistant with long life
- Minimum wall thickness- 4mm

2.2 Shape and size:

- Sample Photographs of pontoons and hardware are shown below for clarity.

Twin pontoon as per alternative-1.

Size: 1000mm (L) X 500mm (W) X 400mm (D)



Fig (1.1): Twin pontoon

Item Sl. No-1 of *Alternative-1*

Single pontoon as per alternative-2.

Size: 500mm (L) X 500mm (W) X 400mm (D)



Fig (1.2): Single pontoon

Item Sl. No-1 of *Alternative-2*



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PS-439 -1056

REV NO: 01

PAGE : 4 OF 4

Pontoon edge fixing bolt, nut and spacer

Diameter of through hole in the bolt: 27.2mm to 27.5mm only



Fig (2): Pontoon edge fixing bolt, nut and spacer assembly

Item Sl. No-2 of *Alternative 1 & 2*

Intermediate pontoon joining pin



Fig (3): Intermediate pontoon joining pin

Item Sl. No-3 of *Alternative 1 & 2*

2.3 Material test certificates: Vendor has to submit test certificate for material properties of pontoons from Central Institute of Plastic Engineering and Technology (CIPET) or reputed laboratory.

3.0 Packing and Inspection: All the hardware have to be suitably packed in carton / wooden boxes of suitable size, so that the materials are not lost or damaged during transit. Pontoons have to be transported carefully to prevent damage to the joining lugs and walls. Vendor shall furnish the test certificate of the material. BHEL reserves the right to carry out visual inspection and proof assembly at vendor works or may decide upon inspection waiver.

TECHNICAL BID ENCLOSURE : UNPRICED BID (Indigenous Vendors)								
IRNBOS1000 RFQ Date : 09.08.2016 RFQ Due Date: 19.08.2016								
ALTERNATIVE 1								
SI No.	DESCRIPTION	QTY	UNIT	QUOTED	TAXES			Remarks
					ED %	CST%	VAT %	
1	Twin Pontoon of UV resistant Virgin HDPE material Size: 1000mm (L) X 500mm (W) X 400mm (D)	160	Nos	YES/NO				Taxes Extra
2	Pontoon edge fixing bolt, nut and spacer of UV resistant Virgin HDPE material Diameter of through hole in the bolt: 27.2mm to 27.5mm only	310	ST	YES/NO				Taxes Extra
3	Intermediate pontoon joining pin	10	Nos	YES/NO				Taxes Extra
4	Freight charge including service tax on freight	LUMPSUM		YES/NO	NA	NA	NA	Extra/Included
5	Insurance charge	LUMPSUM		YES/NO	NA	NA	NA	Extra/Included
ALTERNATIVE 2								
1	Single Pontoon of UV resistant Virgin HDPE material Size: 500mm (L) X 500mm (W) X 400mm (D)	320	Nos	YES/NO				Taxes Extra
2	Pontoon edge fixing bolt, nut and spacer of UV resistant Virgin HDPE material Diameter of through hole in the bolt: 27.2mm to 27.5mm only	630	ST	YES/NO				Taxes Extra
3	Intermediate pontoon joining pin	70	Nos	YES/NO				Taxes Extra
4	Freight charge including service tax on freight	LUMPSUM		YES/NO	NA	NA	NA	Extra/Included
5	Insurance charge	LUMPSUM		YES/NO	NA	NA	NA	Extra/Included

Note:

1. The quoted prices shall be on "FOR" basis to BHEL EDN
2. Please indicate taxes : ED,VAT/CST clearly applicable as on date.
3. Use this format for compliance(reproducing on your letter head is acceptable).
4. Taxes will be considered extra for supply. Please quote only the basic rates.
5. **Indicate whether freight charge is included in quoted rate or will be charged extra.In absence of clarity, quoted rate will be considered as inclusive of freight charges.(If the offer contains the freight value at actuals, it will be considered as all inclusive).
6. **Transit Insurance will be in vendor scope.**

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ANNEXURE B2

PRICE BID (Indigenous Vendors)					
IRNBOS1000 RFQ Date : 09.08.2016 RFQ Due Date: 19.08.2016					
ALTERNATIVE 1					
Sl No.	DESCRIPTION	QTY	UNIT	Rate (Rs.)	Value (Rs.) (RateXQty)
1	Twin Pontoon of UV resistant Virgin HDPE material Size: 1000mm (L) X 500mm (W) X 400mm (D)	160	Nos		
2	Pontoon edge fixing bolt, nut and spacer of UV resistant Virgin HDPE material Diameter of through hole in the bolt: 27.2mm to 27.5mm only	310	ST		
3	Intermediate pontoon joining pin	10	Nos		
4	Freight charge including service tax on freight	LUMPSUM			
5	Insurance charge	LUMPSUM			
ALTERNATIVE 2					
1	Single Pontoon of UV resistant Virgin HDPE material Size: 500mm (L) X 500mm (W) X 400mm (D)	320	Nos		
2	Pontoon edge fixing bolt, nut and spacer of UV resistant Virgin HDPE material Diameter of through hole in the bolt: 27.2mm to 27.5mm only	630	ST		
3	Intermediate pontoon joining pin	70	Nos		
4	Freight charge including service tax on freight	LUMPSUM			
5	Insurance charge	LUMPSUM			

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