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प्लाज्मा अनुसंधान संस्थान  
INSTITUTE FOR PLASMA RESEARCH  
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संस्थान  
An Aided Institute of Department of Atomic Energy,  
Government of India



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दूरभाष: (079) 2396 2020/2021/2028  
फैक्स: 91-079-23962277  
वेब: [www.ipr.res.in](http://www.ipr.res.in)

NEAR INDIRA BRIDGE, BHAT  
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Phone: (079) 2396 2020/2021/2028  
Fax : 91-079-23962277  
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## ENQUIRY

ENQUIRY NO : IPR/EQL/18-19/393  
Date : 01-02-2019

**Due on : 07-03-2019 by 1:00 PM IST**

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items:

### Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to [localpurchase@ipr.res.in](mailto:localpurchase@ipr.res.in)

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., [http://www.ipr.res.in/documents/tender\\_terms.html](http://www.ipr.res.in/documents/tender_terms.html) / attached herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: **IPR-LP-01.V4**)
- 2) Bidding format

**GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS):** Please refer **clause no: 8** of Form No: **IPR-LP-01.V4**

## QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	fabrication and supply of aluminium flanges type 1	220.0 Nos.
2	fabrication and supply of aluminium flanges type 2	180.0 Nos.

Note: Note : (1) Unsigned quotations are not acceptable. Quotation should be submitted duly signed on ALL PAGES invariably.  
(2) Quotation to be submitted in Indian Currency only.  
(3) TDS as per CGST Act : As per provisions of section No. 51 of the CGST Act 2017, TDS @ 2% (IGST 2% or CGST 1% and SGST 1%) will be deducted while making payment to the suppliers where total value of orders/contracts/work orders exceeds Rs. 2.5 Lakhs, in the event of order in Indian Rupees.  
(4) 90% of basic price + 100% of all other charges will be paid within Two weeks from the date of receipt of material at IPR site and its verification by IPR representative and on receipt of invoice in

triplicate. Balance 10% of above will be paid within 30 days from the date of acceptance and on receipt of final invoice.

Encl: As per attachment.

Sd/-

Mr. D. Ramesh  
Purchase Officer-II

**Information to Vendors:** We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, <http://www.ipr.res.in/documents/tendersenq.html> for our future requirement.

# Technical Specifications for fabrication and Supply of Aluminium flanges type 1 & 2

## 1.0 Specifications Aluminium Flange Type-1:

Sr.	Description of Items	Specifications
1	Material	6061-T6 or equivalent grade Aluminum alloy as per BIS standard or equivalent
2	Flange Type	Fixed
3	Dimensions	As per drawing
4	Surface smoothness	Should not have any dent, burr, cut or raised spots on surfaces
5	Quantity	220 nos.

## 2.0 Specifications Aluminium Flange Type-2:

Sr.	Description of Items	Specifications
1	Material	6061-T6 or equivalent grade Aluminum alloy as per BIS standard or equivalent
2	Flange Type	Swivel
3	Dimensions	As per drawing
4	Surface smoothness	Should not have any dent, burr, cut or raised spots on surfaces
5	Quantity	180 set (One set consists of two rings)

## 2. Fabrication and material test

The vendor shall procure raw material and obtain material (composition) test certificates from Govt. approved laboratory. The certificate should be supplied to IPR for confirmation before the start of fabrication. The IPR reserves the right to test the material separately and in that case the vendor must supply test sample of the material procured from the same batch.

## 3. Pre-dispatch inspection at Vendor site

1. A pre-dispatch inspection at vendor site may be carried out before shipping.
2. Dimensional checks would be carried out for all the flanges by the vendor and a test result would be sent to IPR before dispatch.
3. If required, IPR representatives may carry out test at vendor site.
4. The following table summarizes the acceptance criteria.

Sr.	Inspection parameters	Acceptance criteria
1	Dimensional checks as mentioned in the drawing	As per tolerances given in the drawings
2	Material defects like cracks as seen visually.	Should not have any visible crack

#### 4. Packing and Delivery to IPR

1. All the flanges should be properly packed and sent to IPR.
2. All the tests mentioned in sr. 3 above would be repeated at IPR. Acceptance of the items is subject to qualifying the tests.

#### 5. Performance Guaranty

1. The vendor shall guarantee the quality of material provided for any material defect or poor fabrication for a period of one year from date of acceptance.

#### 6. Delivery Schedule:

1. Time  $t_0 = 0$  : Placing of order
2. Time  $t_1 = 16$  weeks from  $t_0$  : Delivery at IPR
3. Time  $t_2 = 2$  weeks from  $t_1$  : Acceptance by IPR

Sr.	Inspection parameters	Acceptance criteria
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**5. Performance Guaranty**

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**6. Delivery Schedule:**

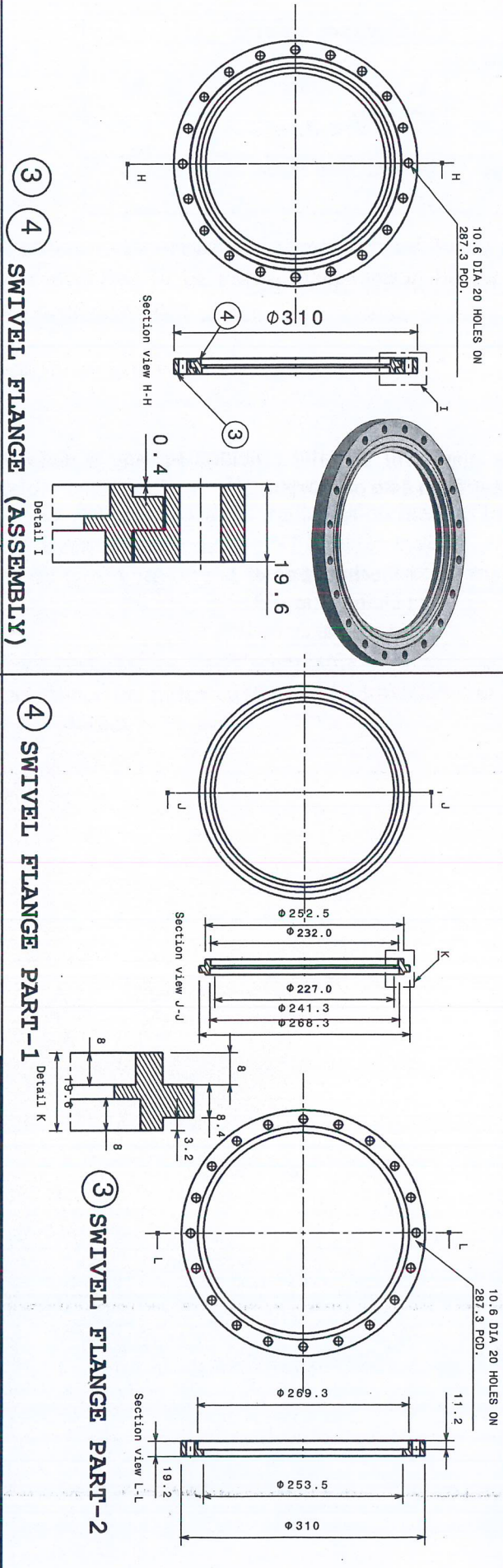
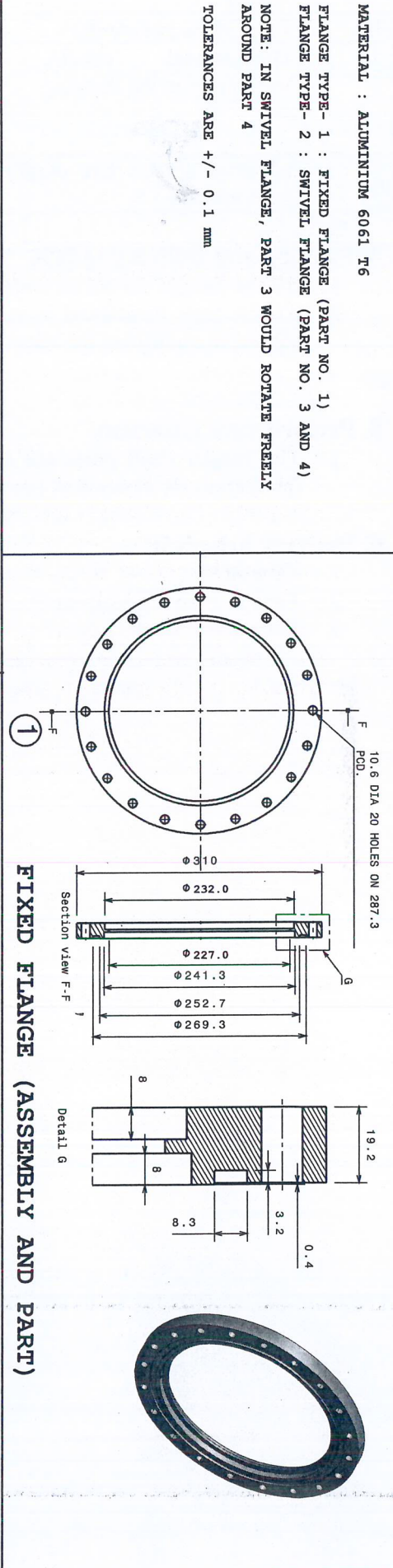
1. Time  $t_0 = 0$  : Placing of order
2. Time  $t_1 = 16$  weeks from  $t_0$  : Delivery at IPR
3. Time  $t_2 = 2$  weeks from  $t_1$  : Acceptance by IPR

MATERIAL : ALUMINIUM 6061 T6

FLANGE TYPE- 1 : FIXED FLANGE (PART NO. 1)  
 FLANGE TYPE- 2 : SWIVEL FLANGE (PART NO. 3 AND 4)

NOTE : IN SWIVEL FLANGE, PART 3 WOULD ROTATE FREELY AROUND PART 4

TOLERANCES ARE +/- 0.1 mm



3 4 SWIVEL FLANGE (ASSEMBLY)

4 SWIVEL FLANGE PART-1

3 SWIVEL FLANGE PART-2

DRG. NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ASS'Y GROUP:	SIZE	INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428.	TITLE	REF DRG NO:	DRG. NO	REV
CO-ORDINATED BY											A3	A3		9-3/16" CO-AXIAL TRANSMISSION LINE SECTION DETAILS ALUMINIUM FLANGE (FIXED & SWIVEL)	SST/ICH-TL/ASJ/16/4028	00	1 OF 1
MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS														SCALE	NTS	DATE	
LENGTH IN MM OF SHORTER SIDE OF ANGLES														DRWN	KRR	26/12/18	
UP TO 10	10-50	50-120	OVER 120-400		UP TO 6	6-30	30-120	120-315	CHECKED	KKM							
	+1°	+0°-30'	+0°-20'	+0°-10'	DIA	+0.1	+0.2	+0.3	APPROVED								

H G A B C D E F G H I J K L M N O P Q R S T U V W X Y Z