

Annexure – I/ Rev. 01

TENDER REF: EPD/PV/ALFRAMES/15

Item : ALUMINIUM FRAME

REVISED Qty. : 1,70,100 SETS

	Quantity required is changed. Revised quantity is 1,70,100 SETS	
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Clauses from ITB

E. Purchaser's Standard Commercial Terms :-

1. Unless specified otherwise in the RFQ , following are the Purchaser's standard commercial terms:-

Sl No	Description	For Purchase within India	For Foreign Purchase(Direct Imports)
i	Delivery Terms	Door Delivery to BHEL – EPD Stores ,Bangalore with Freight and Insurance paid	CIF ICD BANGALORE
ii	Payment Terms	<u>100% direct payment with 45 days credit from the date of</u> a) Receipt of material for Door delivery BHEL stores	100% against sight draft with 45 days credit on negotiation of complete set of documents
iii	Reckoning of Delivery Date	<u>For Door Delivery at BHEL Stores:-</u> Date of receipt of material at BHEL Stores.	<u>For Delivery Terms of CIF/CIP/ FCA / FOB</u> Date of House Airway Bill(HAWB) / Bill of Lading / Date of receipt by BHEL's Freight Forwarder whichever is earlier
iv.	Penalty for Delayed Delivery	As per clause 15 of General Conditions of Contract (DOC .NO.BHEL :EPD:GCC-SHOP:REV:00)	
v	Cancellation/ Termination of Contract & Risk Purchase	As per Clause 24 of General Conditions of Contract (DOC.NO.BHEL:EPD:GCC – SHOP :REV:00)	

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F. Commercial Deviations / Offered Terms & Loading of Offers :-

Unless specified otherwise in the RFQ and if the Purchaser decides to accept offers with deviations in respect of the standard commercial terms given at Clause No. E1 above, such offers will be subjected to loading on the **quoted basic material value** as detailed below:-

SI No	Deviation on	Nature of Deviation / Offered Terms	Loading %
i	Delivery Terms	<u>For purchase within India :-</u> Other than SI No.1 (i) of clause E above.	10
ii.	Payment Terms	<u>For purchase within India :-</u> 1) Payment against receipt & acceptance of material with 45 days credit from the date of receipt of material.	0
		<u>For foreign purchase :-</u> 1) Payment through Letter of Credit with usance credit of 45 days from the date of B/L	5
		2) Sight Draft with credit period of 45 days from the date of B/L	0
iii	Penalty for Delayed Delivery	1) Non – Acceptance	10
		2) Partial Acceptance (X%)	(10 – X)

* All bank charges shall be to seller's account. If bank charges of BHEL banker are to BHEL's account then **additional loading of 2% on the quoted basic value** is applicable.

NOTE: Offer/ s with payment terms other than the standard payment terms indicated at E1(ii) or Deviated Payment Terms with loading indicated at F(ii) above are liable for rejection.

START OF DELIVERY PERIOD: - DELIVERY PERIOD WILL START FROM THE DATE OF LC FOR FOREIGN VENDORS IF HE QUOTES PAYMENT AGAINST LC INSTEAD OF DATE OF PO.

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ANODIC COATING FOR ALUMINIUM

1. SCOPE: This specification covers the requirement of electrolytically formed anodic coatings on Aluminum & Al alloy parts which are exposed to direct action of climatic elements (viz sun, wind, rain, dust, salt, and water).

2. GENERAL:

- Aluminum parts to be anodized are made of Al alloy (63400/6063) as per IS-733 and supplied in W P /T6 (temper) condition.
- End use of component is for Solar Photovoltaic module framing.
- Anodizing process as per Type-I: IS-7088
- Type of sealing as per IS-7088 (Clause 7)

3. VISUAL REQUIREMENTS:

The anodic coating shall be continuous, smooth, adherent, uniform in appearance and shall be free from powdery areas, loose films, and discontinuities such as breaks, scratches or other damage.

4. DIMENSIONAL REQUIREMENTS:

After anodic coating, the parts shall comply with dimensional requirements of the applicable drawings.

- Extent of surface to be anodized :All over
- Anodic Coating Thickness: 18 ± 3 microns as per IS:1868 (AC 15 grade), Table 1
- Surface Texture: Natural matte finish
- Continuity: As per IS-8375
- Insulation: As per IS-8554, when anodic parts are checked, the break down potential of the coating is to be not less than 500 V DC.
- Corrosion resistance: Each anodized and sealed member when tested as per IS-9000 (part XI) as per procedure 1(5% salt solution) shall not show more than 5 isolated spots or pits (0.8 mm dia max).

Note: Supplier shall produce test certificate from reputed labs for Sl. nos. 4(d), (e) and (f) which shall not be older than one year as on the date of material supply.

Prepared By: PK	Reviewed By: NAR	Approved By: CNP	Date of Issue
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5. TEST METHODS:

VISUAL AND DIMENSIONAL

Parts selected in accordance with the sampling plan and tested for visual and dimensional checks shall comply with clause 3.

6. COATING THICKNESS:

Parts selected as per sampling plan and tested for coating thickness in accordance with IS-6012 shall comply with clause 4(b).

7. SAMPLING PLAN:

Sampling Size: Single Sampling Plan as per IS-10673, Special Inspection Level S-4, AQL 1.0

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