



Marine & Offshore  
Division

Certificate number: 0083BBY15

The continuation sheet(s) form(s) part of the certificate.

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## CERTIFICATE FOR WELDING CONSUMABLES

**Manufacturer** : ANAND ARC LTD. (Palghar (Bombay) - IND)  
**Requirements** : As per ASME SEC II PART 'C'-AWS A5.17/F7A5 EM 12K  
**Additional References** : As per ASME SEC II PART 'C'-AWS A5.17/F7A5 EM 12K

**Product description** : ANAND MELT-5 & ANAND SAW -3  
**Design review** : Reference(s) : AS PER ASME SPECIFICATION.  
**Quantity** : 1 set

**Type** : Carbon Steel Electrodes and Fluxes For Submerged Arc Welding  
**AWS Classification Of Electrode** : ASME SEC II PART 'C'-AWS A5.17/F7A5 EM 12K  
**Welding Position** : All Weld Assembly - Flat Position  
**Current** : DC (+ve)

**Enclosures / Remarks** : This certificate will expire on: 27 February 2016.

This certificate is issued by Bureau Veritas as per the above Classification Rules and in compliance with the applicable technical requirements therein.

**Marking** : Nil  
**Last survey** : 28 Feb 2015  
**Surveyor** : Ashok Singh

**Issuance date** : 03 Mar 2015  
**Office** : BV MUMBAI (BOMBAY)

*Ashok Kumar Singh*



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This certificate consists of 2 page(s)

## SCOPE OF INTERVENTION

THE FOLLOWING TESTS AS REQUIRED BY ASME SFA 5.17/AWS A5.17 F7A5 EM12K WERE WITNESSED/REVIEWED AND FOUND SATISFACTORY.  
DETAIL OF TESTS CARRIED OUT ARE:

- # CHEMICAL ANALYSIS OF WIRE AND WELD -REVIEWED
- # ALL WELD TENSILE TEST -WITNESSED
- # IMPACT TEST - WITNESSED
- # RADIOGRAPHIC TEST – REVIEWED

REPORT REFERENCES :

1. TEST REPORTS OF ANAND ARC LTD.
2. RADIGRAPHIC REPORT NO-AAL/050/14-15 Dtd 30/01/2015 OF LAXMI ASSOCIATES.MUMBAI.
3. METALLURGICAL SERVICES PVT LTD. MUMBAI .REPORT NO. BA/29551(1) & BA/31002(1-2).

REMARK: BASED ON THE ABOVE THE MENTIONED TESTS AND RESULTS OBTAINED, CONSUMABLE BRAND MEETS THE AWS/ASME SPECIFICATION REQUIREMENTS.