

**THE INDIAN INSTITUTE OF WELDING**  
(A Member Society of The International Institute of Welding)



**Information Booklet**  
for  
**National Skill Competition on Best Welders (Woman) - 2018**  
Sponsored by  
**M/s Kemppli India Pvt. Ltd. & M/s NextGen Plasma Pvt. Ltd.**



## Categories

- |      |                                  |  |
|------|----------------------------------|--|
| I.   | Best Structural Welder (Woman) - | SMAW Process – 2F & 3G Positions, Carbon Steel |
| II.  | Best Structural Welder (Woman) - | GMAW Process – 2F & 3G Positions, Carbon Steel |
| III. | Best Pipe Welder (Woman) -       | GMAW Process – 6G Position, Carbon Steel       |
| IV.  | Best Pipe Welder (Woman) -       | GTAW Process – 6G Position, Carbon Steel       |

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## GENERAL INFORMATION

- The Indian Institute of Welding along with M/s Kemppi India Pvt. Ltd. and M/s NextGen Plasma Pvt. Ltd. has taken an initiative to inspire and enhance the skill of woman welders pan India through the “**National Skill Competition on Best Welders (Woman)**” competition every year.
- The National Level Competition for the Best Structural Welders (Woman) and Best Pipe Welders (Woman) is scheduled to be held in October every year at the premises of M/s Kemppi India Pvt. Ltd., Chennai. This year the competition will be held on **12<sup>th</sup> October 2018**.
- This competition is FREE and open to all. The desired candidates are required to contact IIW-India Branches or Head Office on or before **22<sup>nd</sup> September 2018**.
- The candidates selected for the competition shall be provided with free Boarding and Lodging.
- The Winners of the competition for each category will be awarded with prize and certificate during the National Welding Seminar on **13<sup>th</sup> December 2018** at Cochin.
- The Winner of all the different categories will be eligible for direct entry to the National Skill Competition on Best Welders, to be held on **10<sup>th</sup> & 11<sup>th</sup> December 2018**, during National welding Seminar at Cochin, subject to fulfilment of the eligibility criteria.

## RULES AND REGULATIONS

1. The competitor must be able to read and write in English and / or in any Indian Language.
2. The competitor must have minimum 3 years’ experience in practical welding.
3. The competitor must have basic theoretical knowledge of welding.
4. The competitor must have some knowledge of the Codes / Standards being followed in their work place.
5. Maximum two nights stay (11<sup>th</sup> & 12<sup>th</sup> October) will be arranged for the candidates on requisition.
6. The competition will be for two types of Welders, Structural Welder and Pipe Welder, in four categories:  
**Category I: Best Structural Welder (Woman) in SMAW Process (Carbon Steel)**  
**Category II: Best Structural Welder (Woman) in GMAW Process (Carbon Steel)**  
**Category III: Best Pipe Welder (Woman) in GMAW Process (Carbon Steel)**  
**Category IV: Best Pipe Welder (Woman) in GTAW Process (Carbon Steel)**
7. Competitors for Best Structural Welder (Woman) will be provided with two pre-prepared test coupons for 2F (2 plates) and 3G (2 plates) positions.
8. Competitors for Best Pipe Welder (Woman) will be provided with one pre-prepared test coupon (2 pipes) to weld in 6G position.
9. Grinding will not be allowed for back of root run and capping run. Hacksaw Blade and brush may be used.
10. Completion time for each category is maximum 1 hour only.
11. The welded test coupon should pass in Visual Examination to qualify for Radiography Test (except for 2F).
12. Total Marks: 100 (50 marks for Visual assessment as per ISO 5817 and 50 marks for Radiography assessment as per ASME Section IX Para 191.1.2).
13. In case there is a Tie in marks, completion time will be the factor for winning the competition. i.e., Welder, who have completed in lesser time, will be declare as the winner.

## SPECIFICATIONS

### Material:

1. Plate: 8 mm thk. ASTM A36 / IS 2062 or equivalent with dimensions 250 mm X 125 mm for categories I & II
2. Pipe: NB 4” Sch. 40 ASTM A106 Gr. B / API 5L Gr. B or equivalent with length 125 mm for category III
3. Pipe: NB 2” Sch. 40 ASTM A106 Gr. B / API 5L Gr. B or equivalent with length 125 mm for category IV

### Assembly:

1. Single V preparation with 55 ~ 65 degree with root gap and root face as per Welder’s choice
2. Plate shall be tacked in both end with no more than 15 mm length each
3. Pipe shall be tacked in 2 positions for NB 2” and 3 positions for NB 3” with no more than 10 mm length each

### Consumables:

1. Category A: E7018 dia 2.5 mm & 3.2 mm
2. Category B & C: ER70S-6 dia 1.2 mm
3. Category D: ER70S-6 dia 2 mm & 2.4 mm

**PROFORMA FOR APPLICATION / NOMINATION FOR  
BEST WELDER COMPETITION (WOMAN)**

**Application for Best Welder Competition (Woman) in Category .....**

**Forwarded by IIW-India Branch (if any) .....**

**PLEASE FILL ALL THE DETAILS IN CAPITAL LETTERS**

Photographs  
(1 photo to be  
affixed here  
and 2 photos to  
be stapled with  
the form)

1. Name :
2. Date of Birth :
3. Present Address :
  
4. Mobile no. :
5. E-mail id :
6. Photo id (type & no.) :
7. Name of Sponsoring Organization (if Applicable) :
  
8. Address of the Organization :  
(with Tel. No. & Email)
  
9. Educational Qualification of the Candidate (optional) :

S. No.	Qualification	Institute	Major Subjects

10. Professional Experience :
  
11. Specific achievements in the Welding Field (optional) :

**Declaration:** I hereby declare that, I will follow all the instructions given for the Best Welder Competition. I will take part in a fair and friendly manner and will accept the results declared, as final. I also declare that all the particulars stated above are true.

Signature of the applicant :

Date :

**Signature of the Nominating authority (if Sponsored) :**

Name:

Designation

**IIW-India Branch / Head Office Entries :**

Form Received From ..... on .....  
For competition in Structural Welder (I / II) / Pipe Welder (III / IV) category.

Signature of Receiving Authority of the branch / Head Office :

Name :

Designation :