



*:: Information Booklet ::*

## **National Best Welder Competition for Women – 2021** **(An Associate Event of the International Institute of Welding)**



*Organised by*

**Nextgen Plasma Pvt. Ltd.**

*In Association with*

**THE INDIAN INSTITUTE OF WELDING**

**(A Member Society of the International Institute of Welding)**

## Categories

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

### GENERAL INFORMATION

- **M/s NextGen Plasma Pvt. Ltd.** in association with **The Indian Institute of Welding (IIW-India)** have taken an initiative to inspire and enhance the skill of woman welders (including students) pan India through the **“National Best Welder Competition for Women”** every year.
- This year, the competitions will be held in Kolkata Region, on **8<sup>th</sup> of January 2022**, at **Nextgen Plasma Application Centre, Biswas Para, Jagadishpur, Howrah - 711115**.
- This competition is FREE and open to all. Desirous candidates are required to contact IIW-India / Nextgen Plasma on or before **31<sup>st</sup> of December 2021**. Past winners are not eligible to take part in the same category.
- Participation certificate will be issued to all the competitors as a token of appreciation.
- The Winners of the competition for each category will be awarded with cash award and certificate during the National Welding Seminar on **17<sup>th</sup> of February 2021**, at Pune.

### 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 2 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 at their work place.
5. The competitor will be allowed to compete in one category only.
6. Competitors for Best Structural Welder will be provided with two sets of test coupon to weld in 2F and 3G positions.
7. Competitors for Best Pipe Welder will be provided with one set of test coupon to weld in 6G position.
8. Grinding will not be allowed for back of root run and capping run. Hacksaw Blade and brush may be used.

9. Completion time (including fitting) for Categories I, II & III is 1 hour, for Category IV it is 45 minutes.
10. The welded test coupon should pass in Visual Examination to qualify for Radiography Test.
11. 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).
12. In case there is a Tie in marks, completion time will be the factor for winning the competition. i.e., competitor, who have completed in lesser time, will be declared as the winner.

## **SPECIFICATION**

### **Material:**

1. Plate: 250 mm X 100 mm X 8 mm thk. for Butt Welds and 200 mm X 100 mm X 8 mm thk. for Fillet Welds for Categories I & II of materials ASTM A 36 / IS 2062 or equivalent.
2. Pipe: NB 4" Sch. 40 (6.02 mm thk.) with length 100 mm for category III and NB 2" Sch. 40 (3.91 mm thk.) with length 100 mm for category IV of materials ASTM A106 Gr. B / API 5L Gr. B or equivalent

### **Assembly:**

1. Single V preparation for Butt welds with 55° ~ 65° with root gap and root face as per Competitor's choice.
2. Plate shall be tacked in both the ends for Butt welds with no more than 15 mm length each and both the edges for Fillet. Centre of back side for Fillet Welds may be tacked with no more than 20 mm, if required.
3. Pipe shall be tacked in 2 positions for NB 2" and 3 positions for NB 4" with no more than 10 mm length each.

### **Consumables:**

1. Category I: E7018 dia 2.5 mm & 3.2 mm (AWS A5.1).
2. Category II & III: ER70S-6 dia 1.2 mm (AWS A5.18)
3. Category IV: ER70S-2 dia 2 mm (AWS A5.18).

### **Contact for Communication**

#### **Mr. Indranil Basu**

The Indian Institute of Welding  
38, Geetanjali Park, 200 Kalikapur Main Road  
Kolkata - 700099

✉: [iw@iiwindia.com](mailto:iw@iiwindia.com)

☎: +91 9830123968

#### **Ms. Suchita Ghosh**

Nextgen Plasma Pvt. Ltd.  
100A, Elliot Road  
Kolkata - 700016

✉: [suchita.ghosh@nextgenplasma.com](mailto:suchita.ghosh@nextgenplasma.com)

☎: +91 8335042505



**PROFORMA FOR APPLICATION / NOMINATION FOR  
NATIONAL BEST WELDER COMPETITION FOR WOMEN - 2021**

**Application for National Best Welder Competition for Women in Category .....**

**Forwarded by (if any) .....**

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

Photographs  
(1 photo to be  
affixed here  
and 1 photo 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. & E-mail)
  
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 National Best Welder Competition for Women. 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 to the best of my knowledge.

Signature of the applicant:

Date:

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

Name:

Designation: