





Atma-Nirbhar Bharat & Make in India Initiatives and Sponsored by Ministry of Heavy Industries, Government of India.



Enhance your Skill in WELDING at Common Engineering Facility Center (CEFC) BHEL, Bhopal.

Welding: is a great career choice that leads to a skilled employment in a variety of industries with lucrative salary

Who can apply and get trained in Welding?

Anybody whose age is 18 years and above and 8th Standard passed can apply for Four (04) Weeks Level 3 Welder Qualification WQ0103 and Certification Course.

How can apply:

Interested can contact or send filled application form directly to,

THE PROGRAMME OFFICER (CEFC)
MR ARVIND TIWARY, DEPUTY MANAGER
HRDC WORK SHOP
BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
MADHYA PRADESH INDIA (462022)
CONTACT-0755-2503685,3705,2313
Mail- cefc.bpl@bhel.in



For Level 3: Rs 5085 Fees + Rs 915.3 (18% GST) i.e **Rs. 6000** (Incl. GST) CEFC -For mode of payment kindly contact the programme officer (CEFC) or Follow Annexure –II or mail us on - cefc.bpl@bhel.in

- * For outstation participant limited hostel facilities are available at extra charges given on first come first served basis.
- *Register for a training using Annexure -1 form
- CEFC allots a registration no.
- Using registration number, pay course fee using Annexure-2 through SBI collect
- Share the details of payment to CEFC
- <u>CEFC informs date of course start (Every First Tuesday or Thursday of</u> Month) i.e. for June 2023, it starts from 01/06/2023(Thursday).
- **All the courses will include introduction to yoga and customized wellness Training
- ** Detailed Advertisement is also available at BHEL BHOPAL RECRUITMENT



This skill development program is being conducted with the support of Ministry of Heavy Industries









CEFC WELDER TRAINING Course content and schedule

Level L3 – Training cum Certification on Shielded Metal Arc Welding (SMAW)-up to 2G

Level 3: SMAW structural welder (up to 2G)

Course Objectives:

To provide training to the participants on the following domains and make them as skilled welder up to 2G level in SMAW

- <u>Professional Knowledge:</u> To provide BASIC LEVEL details about welding, welding processes, different types of defects, importance of preheating and post heating, power source, effect of welding parameter, visual inspection, NDT Method-Importance and evaluation, destructive testing.
- <u>Core/Professional skill:</u> Manually weld carbon and low alloy steels in 1G/1F and 2G/2F welding positions using Shielded Metal Arc Welding
- <u>Personality/behavioral Skills:</u> Basic workshop calculations, communication skill, resume writing and how to attend interview, Body and mind conditioning using Yoga, including Yoga practice*, Concept and practice 5s and Swatch Bharat Abhiyan **
 - *Everyday morning session begins with Yoga / customized Exercises; (30 mts. focus on relieving strain to eyes, neck etc.,)
 - **Every day evening session concludes with Guidelines / Practice on 5S & Swachh Bharat Abhiyan (45 min.)

Average Hours spent on...

- 1. Profession knowledge (Theory classes / Discussions) 90 mins. /day x 24 days = 2160 min (24 %)
- 2. Core/Professional skill (Practical Hands on sessions / Weldshop trials) 240 mins/day x 24 days= 5760 min. (64 %)
- 3. Personality/behavioral Skills = 45 mins/day x 24 days = 1080 min. (12 %)

Total duration =9000 min or 150 hrs



CEFC WELDER TRAINING Course content and schedule

Week- Day	Morning 30 minutes	Theory se	ay (2 x45)-	Practical hands on session	Evening 45 Min			
4 -		Basic		4 x 60 =240 min	50 10 11			
1-1		Introduction industry safe welding safe	ty and	Familiarization with the machine and Demonstration of SMAW	5S and Swatch Bharat training activities			
1-2	Yoga & Exercise	Principles of metal arc we (SMAW)		Bead on trails with varying parameters and multipass	5S and Swatch Bharat training activities			
1-3		Parameters a application of		Bead on trails with varying parameters and multipass	Work shop calculations			
1-4		Introduction classification		Fillet 1F practice	5S and Swatch Bharat training activities			
1-5		Backing of El	ectrodes	Fillet 1F Practice	5S and Swatch Bharat training activities			
1-6		Backing of Electrodes	Weekly test	Fillet 1F practice and weekly test	5S and Swatch Bharat training activities			
		Wee	kly holiday					
2-1		Edge prepara introduction machining		Fillet 2 F practice	5S and Swatch Bharat training activities			
2-2	Yoga & Exercise	Edge prepara fitting	ation and	Fillet 2 F practice	Communication skill			
2-3		Edge prepara fitting	ation and	Fillet 2 F practice	5S and Swatch Bharat training activities			
2-4		Welding Pow	er sources	Fillet 2 F practice	Resume writing techniques			
2-5		Electrode ma techniques	nipulation	Fillet 2 F practice	5S and Swatch Bharat training activities			
2-6		Effect of parameters	Weekly test	Fillet 2F practice & Weekly Test	5S and Swatch Bharat training activities			
Weekly holiday								



CEFC WELDER TRAINING Course content and schedule

Week-	Morning 30	Theory session, 90	Practical hands on	Evening				
Day	minutes	minutes/day (2 x45)-	session	45 Min				
		Basic level	4 x 60 = 240 min					
3-1		Defects – Causes &	Groove 1 G	5S and Swatch				
		Remedies	practice	Bharat training				
	_			activities				
3-2	Yoga & Exercise	_	Groove 1 G	Motivation and				
		Defects – Causes &	practice	team work				
		Remedies						
3-3		Preheating	Groove 1 G	5S and Swatch				
		importance,	practice	Bharat training				
		techniques		activities				
3-4		Post heating	Groove 1 G	How to attend				
		importance and	practice	interviews				
		techniques						
		·						
3-5		Visual inspection theory	Groove 1 G	5S and Swatch				
			practice	Bharat training				
				activities				
3-6		Visual inspection	Weekly test	Introduction to				
		practice , use of Gauges		computer and				
		etc.,		internet usage				
Weekly holiday								
4-1		Visual Inspection –	Groove 2 G	5S and Swatch				
		Practice, use of gauges,	practice	Bharat training				
		practice, etc.		activities				
4-2		NDT Methods- Liquid	Groove 2 G Practice	5S and Swatch				
	Yoga & Exercise	penetration test,		Bharat training				
		Magnetic particle		activities				
		inspection, Ultrasonic						
		testing / Radiographic						
		test.						
4-3		NDT Methods –	Groove 2 G Practice	5S and Swatch				
		Importance & Evaluation		Bharat training				
		Dastti . Taati	C	activities				
4-4		Destructive Testing	Groove 2 G Practice	5S and Swatch				
				Bharat training				
4.5		Doctor etino Tantina /	Ovelifiesti se taxi	activities				
4-5		Destructive Testing /	Qualification test	5S and Swatch				
		technical discussions	up to 2G	Bharat training				
4.6		Mala di ati a na	Ouglification to d	activities				
4-6		Valedictions	Qualification test	5S and Swatch				
			up to 2G	Bharat training				
				activities				



ANNEXURE 1

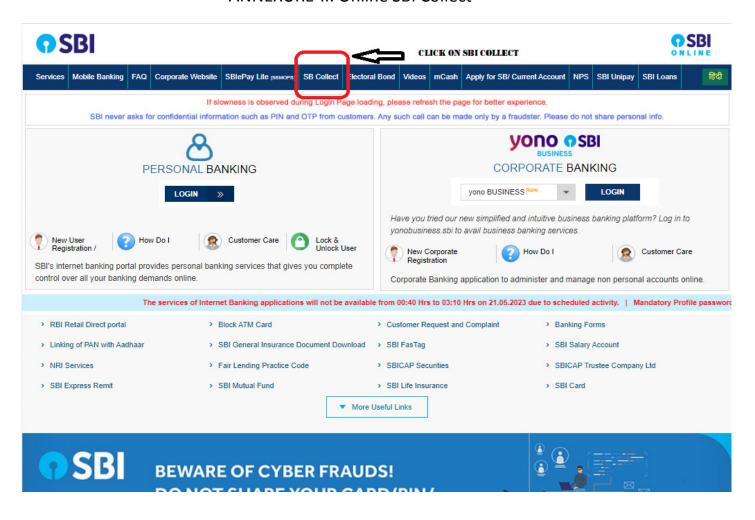
SKILL DEVELOPMENT PROGRAMME IN WELDING- ENROLLMENT FORM

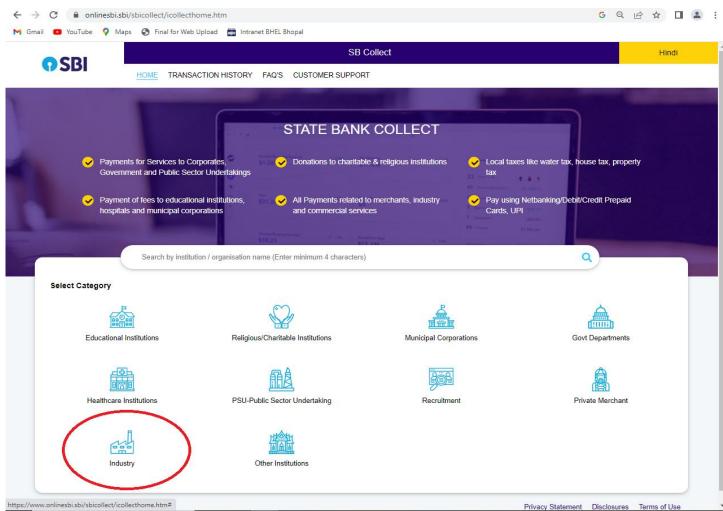
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Name of the Training Program /								WQ0103					
Hostel Accommodation required (charges extra) /								Yes - Needed		No-N	No-Not needed		
Personal	Details as	s per Aa	dhar										
Name of the applicant (Name in Capital)/						Mobile. No. of the applicant /				nt /			
Father's Name and mobile number /													
Gender	MALE	FEMAL	.E	Others	E	E-mail ID of the applicant							
Date of Birth	DD	ММ		YYYY	A	Aadhar No							
Community (Please tick), If other please mention					ОС	OBC	ВС		SC		ST	OTHERS	
Religion						В	lood Group						
Are you belonging to Economically Weaker section?						YES or NO							
Present address					F	Permanent address							
Alternative	e contact l	No (In ca	se of	Emergency)									
Education	n Qualific	ation an	d Exp	perience Details	<u> </u>								
Qualification (ITI/Diploma/Graduate) and Branch													
Name of the Institute and place													
Additional Skill/ Qualification													
Prior Experience if any													
If employed presently, then company details,													
Course		Structural	Mole	dor Catagory A	Manually wala	Loorb	on and law alla	v otoo	la in 1	C/1E and 2C	/2E wo	lding no	oitione using
•WQ0103: SMAW Structural Welder -Category A; Manually weld carbon and low alloy steels in 1G/1F and 2G/2F welding positions using Shielded Metal Arc Welding training and certification													
Applicant signature with date						Father/ Guardian signature with date							
For Official purpose Unique ID:					Date of Joining Date of Relieving								

^{*}Along with the enrolment form please submit, Educational qualification certificate, caste certificate, Aadhar card copy, certificate of proof for economically weaker section. experience certificate (If anv).

ANNEXURE-II: Online SBI Collect







SB Collect

HOME TRANSACTION HISTORY FAQ'S CUSTOMER SUPPORT

