

**Application Form for Secondary Steel Sector Award Scheme**  
**[FY 2017-18]**

<b>A.</b>	<b>Installed Capacity (Tick one) mention Installed Capacity along with supporting documents</b>	<b>Up to 2 Lakh TPA (Tonnes per annum)</b>			<b>More than 2 Lakh TPA and up to 1 million TPA</b>				
<b>B.</b>	<b>Category (Tick one)</b>	Composite Units			Stand-Alone Units				
<b>C.</b>	<b>General details</b>								
<b>1.</b>	Name of the Company Type ( Tick one)	Proprietorship		Partnership		Private Limited		Public Limited	
<b>2.</b>	Affiliated to Industry Association	<b>MBF/SIMA/SFAI/ASPA/AIIFA/AISRA/SRMA/CORSMA/Others/None</b>							
<b>3.</b>	Registered Office address								
<b>4.</b>	Plant address								
<b>5.</b>	Phone (with STD code)								
<b>6.</b>	Fax (with STD code)								
<b>7.</b>	Website								
<b>8.</b>	Name of contact person, Mobile number & e-mail								
<b>9.</b>	Year of Establishment								
<b>10.</b>	Annual Turn-over (last 3 years) (In crore Rs.)	<b>FY- 2017-18</b>		<b>FY-2016-17</b>			<b>FY-2015-16</b>		
<b>11.</b>	Name of Director(s) / Partners / Proprietors								
<b>12.</b>	Is any Directors/Partner disqualified under any act of the State / Central Government	<b>If yes, please give the details</b>							

**COMPOSITE UNITS**

<b>S. No</b>	<b>Main Category</b>	<b>Sub category</b>	<b>Specify relevant ones</b>
1	Mini Blast Furnace / with / without DRI - EAF/EOF with / without RM	Billet / Bloom / Slab/ CC Rounds/Ingots	
		TMT/Wire Rod	
		Bars / Structural Sections / Flats incl. Skelp	
		Flat – Rolled products	
		Alloy / Stainless Steel Products	
2	DRI-EAF/EIF-RM	TMT/Wire Rod	
		Bars / Structural Sections / Flats incl. Skelp	
		Flat – Rolled products	
		Alloy / Stainless Steel Products	
3	EAF/EIF-RM	TMT/Wire Rod	
		Bars / Structural Sections/Flats incl. Skelp	
		Flat – Rolled products	
		Alloy / Stainless Steel Products	
4	DRI-EAF/EIF	Billet / Bloom /Slabs/CC Rounds/ Ingots	

**STAND-ALONE UNITS**

<b>S. No</b>	<b>Main Category</b>	<b>Sub category</b>	<b>Specify relevant ones</b>
1	EAF	Billet / Bloom /Slab/ CC Rounds/Ingots	
2	EIF	Billet / Bloom / Slab/CC Rounds/Ingots	
3	Hot Rolling Mills	TMT/Wire Rod	
		Bars / Structural Sections / Flats	
		Flat – Rolled products incl. Skelp	
		Alloy / Stainless Steel Products	
4	Cold Rolling Mills	Sheets/ Coils	

<b>D. Plant performance details (FY 16-17)</b>										
<b>1.</b>	Input material process wise (Quantity in tonnes per annum)	<b>Iron Making</b>			<b>Steel Making</b>			<b>Rolling Mill</b>		
			MBF	DRI		EAF/EOF	EIF			
		Iron Ore:			Hot Metal:			Ingot:		
		Coke:			Pig Iron:			Billet/ Bloom:		
		Coal:			Sponge Iron:			Slab:		
		Others:			Scrap:			HR Coil:		
<b>2.</b>	Products (Type, quantity and %)	<b>Type</b>		<b>Quantity (Tonnes per year)</b>		<b>% (type of the products / total product X 100)</b>		<b>Quantity exported and total value of export</b>		
								<b>%</b>	<b>Value in Rs. (Cr.)</b>	
		Ingot								
		Billet/ Bloom/CC Rounds								
		Slab								
		TMT/ Wire Rod								
		Bars/ Structural Sections / Flats								
		Flat – Rolled products incl. Skelp								
Alloy / Stainless Steel Products										
<b>3.</b>	Installed capacity process wise in tonnes.	<b>Iron Making</b>			<b>Steel Making</b>			<b>Rolling Mill</b>		
			16-17	17-18		16-17	17-18		16-17	17-18
		Hot Metal/ PI			EAF/EOF			TMT/ Wire Rod		
		DRI			EIF			Bars/ Structural Sections/ Flats		
								Flat – Rolled products incl. Skelp		
								Alloy / Stainless Steel Products		
		Total			Total			Total		
<b>(As per the consent to operate, issued by MoEF, S.P.C.B., C.P.C.B.)</b>										
<b>4.</b>	Production (tonnes annum). <b>Enclose relevant document</b>	<b>Iron Making (x1000 Tons)</b>			<b>Steel Making (x1000 Tons)</b>			<b>Rolling Mill (x1000 Tons)</b>		
			16-17	17-18		16-17	17-18		16-17	17-18
		Hot Metal/ PI			EAF/EOF			TMT/ Wire Rod		
		DRI			EIF			Bars/ Structural Sections/ Flats		
								Flat – Rolled products incl. Skelp		
								Alloy / Stainless Steel Products		
		Total			Total			Total		
<b># Document indicating production figure product wise and total for the FY 17-18.</b>										

5.	Percentage Capacity Utilization process wise (%)	Iron Making			Steel Making			Rolling Mill		
			16-17	17-18		16-17	17-18		16-17	17-18
		Hot Metal/ PI			EAF/EOF			TMT/ Wire Rod		
		DRI			EIF			Bars/ Structural Sections/ Flats		
								Flat – Rolled products incl. Skelp		
								Alloy / Stainless Steel Products		

**Note : % capacity utilization = (Annual production (tonnes per annum) /installed capacity(tonnes per annum))\*100**

**E. Power / Energy consumption FY 16-17 & 17-18**

6. Total power consumption – Product wise power consumption (kWh/Tonne) w.r.t. the product. Submit details of month wise power consumption in excel sheet (Annexure) for year 16-17 and 17-18.

7.	Specific power consumption (kWh / tonne of steel)	Iron Making			Steel Making			Rolling Mill		
			16-17	17-18		16-17	17-18		16-17	17-18
		Hot Metal/ PI			EAF/EOF			TMT/ Wire Rod		
		DRI			EIF			Bars/ Structural Sections/ Flats		
								Flat – Rolled products incl. Skelp		
								Alloy / Stainless Steel Products		

8.	Specific thermal energy consumption (GCal per tonne of steel)*	Iron Making				Steel Making				Rolling Mill			
		MBF		DRI		EAF/EOF		EIF		Re-heating furnace (Coal / Oil / Gas)			
		16-17	17-18	16-17	17-18	16-17	17-18	16-17	17-18	16-17		17-18	
		Coke								TMT/ Wire Rod			
		Coal								Bars/ Structural Sections/ Flats			
		Oils / Gas								Flat – Rolled products incl. Skelp			
										Alloy / Stainless Steel Products			

**\*Submit month wise fuel consumption for FY 16-17 & 17-18 in Excel sheet along with the GCV certificate from the accredited laboratories.**

**F. Energy / Environment / Safety/ Quality / Financial parameters FY 17-18**

9.	Energy efficient technologies implemented	<b>Please tick the relevant technology/technologies adopted as per Annexure-II</b>		
		<b>No. of Technologies Implemented in year FY 17-18 and also in last 5 years along with their impacts (details thereof may be given in annexure with cost benefit calculations)</b>		
			<b>FY 17-18</b>	<b>Last 5 Years</b>
		Iron making		
		Steel making		
	Reheating Furnace			
	Rolling Mill			

<b>10.</b>	Accreditations: Please tick and attach supporting document	<b>Accreditations</b>				
		(ISO 9001)	Yes/No. If Yes, upload supporting document (Please give details of SOP & SMP developed and its implication details.			
		(ISO: 14001)	Yes/No. If Yes, upload supporting document (Details of steps taken to reduce the environmental impact ).			
		(ISO 50001)	Yes/No. If Yes, upload supporting document. (Details of the activities undertaken for energy management)			
		(OHSAS)	Yes/No. If Yes, upload supporting document. (No. of safety training programs organised, details of any accident, near miss and steps taken to improve the safety of workers.			
<b>11.</b>	BIS certification / international standards.	Yes / No	If yes, attach supporting documents for 17-18 along with no. Of products having BIS certification.			
<b>12.</b>	Any special innovation carried out at the plant or in any process.	If yes, it may relate to Energy Efficiency, Productivity, Quality improvement or any other related measures. Any specific work done in R&D and innovations leading to increase Energy Efficiency, Productivity and to reduce Downtime of the plant. Please give the details in a write up in the annexure with supporting documents.				
<b>13.</b>	Engagement of Technical manpower (ITI/ Diploma/ Engineer)	Technical manpower as percentage of total manpower on Rolls (direct) and Contract (indirect) of the Unit.				
		Total Employees on rolls				
		No of Technical Employees		% (Number of total technical employees / Total employees on rolls x100		
			Direct	Indirect	Direct	Indirect
		ITI Holders				
		Diploma Engineers				
Graduate Engineers						
<b>14.</b>	In-house testing facilities	Yes / No	Attach details of facilities with supporting photographs & documents along with their calibration certificates.			
<b>15.</b>	CSR initiatives ( if any)	Please provide details on separate sheet; Work carried out to develop community in the vicinity of plant, Work carried out in line with Swachh Bharat Abhiyan, Health welfare scheme, Green belt development etc.				
<b>16.</b>	Financial performance	1. EBITDA, 2. PBT, 3. PAT- for the relevant preceding 3 yrs. and audited account may be uploaded.				
<b>17.</b>	Write-up / Additional information if any for the suitability of the award. (max. 200 words)					

### Participant Declaration

I declare that the information provided in this nomination form is correct and accurate to the best of my knowledge. I agree to abide by the terms & conditions of participation as mentioned in Annex-1. I/We will obey the decision of Screening Committee in all aspects.

I/We, on behalf of my/our Organization, authorise the award management to use the content/ information submitted as part of my/our application, in whole or in part for use & display in trade publications, press releases, electronic posting to the Awards website, and any display format selected by the award management during the awards ceremony or at a later point in time.

Name

Designation

Place:

Date :

Signature

(with seal of the company)

**Annexure-I**

**General Terms & Conditions:**

- 1.0** Single participant is allowed to participate in any one category depending upon the most appropriate product categories.
- 2.0** The nomination form shall be submitted in soft copy (pdf format) to the Joint Plant Committee, Regional Office, 301-306 Aurobindo Place, Hauz khas, New Delhi-16. Email: [jpcdelhi@nic.in](mailto:jpcdelhi@nic.in) , Phone: 011-26602569
- 3.0** Forms should be filled in English language only and hard copy by post will not be accepted.
- 4.0** Incomplete form or forms will not be considered and submission of duplicate forms will also be rejected.
- 5.0** The Selection Committee has the right to reclassify nomination forms from one category to another or reject, at its discretion. This is not contestable in any manner.
- 6.0** Please maintain one copy of the submitted form with you for your records
- 7.0** Please submit relevant documents, photograph etc. to substantiate your claim.
- 8.0** Last date for receiving filled application forms is **17.03.2019**.
- 9.0** The selection committee will have sole right and discretion to reject entries that in their view do not meet the basic specified criteria
- 10.0** There could be one or more winners in each award category. However the final decision will be at the discretion of the selection committee/ Ministry of Steel.
- 11.0** The decision of the Selection Committee/ Ministry of Steel on all matters relating to these Awards would be final and binding on all participants, and non-contestable.
- 12.0** No expenses will be given to any applicant / awardees to attend any meeting to make any presentation as required by the screening committee or to attend the award function.

I/we have read carefully all the Important Points and Notes detailed above.

Date:

Place:

Signature

(with seal of company)

<b>Technology List- SRMM</b>	
<b>No.</b>	<b>Technology options</b>
1	Installation of efficient Shell-in-Shell/ metallic recuperator in re-heating furnace
2	Installation of automation & control system for effective firing in re-heating furnace
3	Installation of anti-friction roller bearing in rolling mill stands.
4	Installation of Continuous Rolling Mill with twister guide or H-V stands
5	Installation of universal couplings / spindles in rolling mill
6	Installation of Y-table / Tilting table / repeaters in non continuous rolling mill
7	Energy Efficient Motors
8	Direct rolling

<b>Technology List- EIF</b>	
<b>No.</b>	<b>Technology options</b>
1	Installation of shredding machine and shredded scrap charging through bucket or vibro-feeder
2	Replacement of coil cradle of old furnace
3	Installation of CCM for billet making to replace ingot casting
4	Sintering panel for sintering heat
5	Raw material preheating
6	Refining facilities available
7	Installation of VVFD on the auxiliaries
8	Installation of Energy Efficient pumps
9	FRP blades in cooling tower

<b>Technology List- DRI</b>	
<b>No.</b>	<b>Technology options</b>
1	WHRB-based power plant in DRI plants
2	Pre-heating kiln for iron ore pre-heating
3	Automation and control system in kiln
4	Removal of moisture in coal
5	Energy-efficient motors

<b>Technology List- EAF</b>	
<b>No.</b>	<b>Technology options</b>
1	Ultra High Power (UHP) Transformer
2	High impedance system
3	Aluminium Electrode Arm
4	High Pressure Digital Regulation System
5	Oxy-Fuel Burner
6	Coherent Jet Injectors
7	Bottom Stirring-Inert Gas Purging / Electro-magnetic System
8	Foamy Slag Practice
9	Mist Cooling System to reduce electrode consumption
10	Copper based Water Cooled Panels
11	Improved Refractories
12	Scrap Processing
13	Scrap Preheating-Bucket System
14	Hot Metal Charging
15	Variable Frequency Drives on all the auxiliaries
16	Off-Gas Cleaning System
17	FRP Blades for Cooling Tower Fans
18	Energy Efficient Centrifugal Pump
19	Ladle Metallurgy
20	Eccentric Bottom Tapping (EBT) System



## **Abbreviations :**

- **AIIFA : All India Induction Furnace Association**
- **AISRA : All India Steel Re-rollers Association**
- **ASPA : Alloy Steel Producers Association**
- **BIS : Bureau of Indian Standards**
- **CC : Continuous Casting**
- **CORSMA : Cold Rolled Steel Manufacturers Association**
- **CSR : Corporate Social Responsibility**
- **DRI : Direct Reduced Iron**
- **EAF : Electric Arc Furnace**
- **EBITDA : Earnings before Interest, Tax, Depreciation & Amortization**
- **EIF : Electric Induction Furnace**
- **EMS : Energy Management System**
- **EOF : Energy Optimisation Furnace**
- **FY : Financial Year**
- **GCal : Giga Calories**
- **GCV : Gross Calorific Value**
- **ISO : International Organization for Standardization**
- **ITI : Industrial Training Institute**
- **kWh : Kilo Watt Hour**
- **MBF : Mini Blast Furnace**
- **MoEF : Ministry of Environment & Forest**
- **OHSAS : Occupational Health and Safety Assessment Series**
- **PAT : Profit After Tax**
- **PI : Pig Iron**
- **RM : Rolling Mills**
- **S.P.C.B : State pollution control board**
- **SFAI : Steel Furnace Association of India**
- **SIMA : Sponge Iron Manufacturers Association**
- **SRMA : Steel Rolling Mills Association**
- **TMT : Thermo-mechanically Treated Bar**