

**Enquiry items along with quantities:**

Item no.	Size & Item description	Technical requirement	Quantity in kg (Maximum)
1	50(+2/-0) mm tk X 200 (+5/-0) mm width X 2000mm – 4000mm LG.	HC.HCR Steel D2 Grade Flat with carbon percentage 1.5 to 1.7 & chromium percentage 11 to 13, other details as per specification BP10890.	1650
2	50(+2/-0) mm tk X 150 (+5/-0) mm width X 2000mm – 4000mm LG.		2750
3	30(+2/-0) mm tk X 100 (+5/-0) mm width X 2000mm – 4000mm LG.		330
4	30(+2/-0) mm tk X 130 (+5/-0) mm width X 2000mm – 4000mm LG.		550
5	50(+2/-0) mm tk X 180 (+5/-0) mm width X 2000mm – 4000mm LG.		550
6	12(+2/-0) mm dia X 2000 mm – 4000 mm LG.	HC.HCR Steel D2 Grade Round Bar with carbon percentage 1.5 to 1.7 & chromium percentage 11 to 13, other details as per Spec. BP10890.	110
7	32(+2/-0) mm dia X 2000 mm – 4000 mm LG.		550
8	40(+2/-0) mm dia X 2000 mm – 4000 mm LG.		220
9	50(+2/-0) mm dia X 2000 mm – 4000 mm LG.		1100
10	100(+2/-0) mm dia X 2000 mm – 4000 mm LG.		550
11	125(+2/-0) mm dia X 2000 mm – 4000 mm LG.		330
TOTAL			8690 kg

Quantity variation as per below:

**For item 1** - Supplies quantity are to be restricted between 1650 kg & 1350 kg.

**For item 2** - Supplies quantity are to be restricted between 2750 kg & 2250 kg.

**For item 3** - Supplies quantity are to be restricted between 330 kg & 270 kg.

**For item 4** - Supplies quantity are to be restricted between 550 kg & 450 kg.

**For item 5** - Supplies quantity are to be restricted between 550 kg & 450 kg.

**For item 6** - Supplies quantity are to be restricted between 110 kg & 90 kg.

**For item 7** - Supplies quantity are to be restricted between 550 kg & 450 kg.

**For item 8** - Supplies quantity are to be restricted between 220 kg & 180 kg.

**For item 9** - Supplies quantity are to be restricted between 1100 kg & 900 kg.

**For item 10** - Supplies quantity are to be restricted between 550 kg & 450 kg.

**For item 11** - Supplies quantity are to be restricted between 330 kg & 270 kg.

**Pre-qualification criteria:**

Sl. No.	Description of pre-qualification requirement	Vendor's Response	
		Supporting Documents/Information required to accept compliance	Complied (YES/NO)
1	For Manufacturer	Confirmation from bidder that he is manufacturer	
2	For Non-manufacturer	Authorization certificate from OEM, clearly indicating the validity period (should be valid at bid opening date).  Details of OEM i.e. OEM name, address, email and contact number from whom material intended to be supplied to be furnished.	
3	<b>Supply Experience-</b>  Bidder (themselves / through OEM / through resellers) should submit at least one supply experience of supplying "HCHCr Steel" on or after 01/04/2020 and before bid opening date to any organization.	(1) Un-priced copy of at least one *executed PO (2) Confirmation from PO consignee for supply of product of offered make, if make is not mentioned in PO (for non-manufacturer only). (3) Any one of the following documents- (a) Invoice (*for same executed P.O) (b) Store receipt note/voucher (*for same executed P.O) (c) Customer acceptance note/voucher (*for same executed P.O) (PO date may be before 01.04.2020 but supply proof should be after 01.04.2020 and before bid opening date)	
4	High Carbon High Chromium Steel as per BP10890.	Confirmation required.	
5	Submission of Annexure A	Duly filled, sealed and signed Annexure A in line with quoted item.	
6	Submission of Test report / Conformity report of OEM along with consignment.	Confirmation required.	
7	Guarantee certificate for 1 year	Confirmation required.	

**Note-**

- i) Clause by clause confirmation to PQR and signed & sealed copy of PQR symbolizing compliance to be submitted. Compliance to above pre-qualification requirements is mandatory. In absence of compliance to above requirements, vendor's offer is liable to be rejected.
- ii) BHEL reserves the right to verify the information submitted by the vendor or seek for clarification. In case the information submitted is found false or incorrect, the offer is liable to be rejected.

**ALL THE ABOVE POINT WISE PRE-QUALIFICATION REQUIREMENT ARE TO BE NECESSARILY ACCEPTED BY THE BIDDERS FOR THEIR OFFERS TO BE CONSIDERED FAILING WHICH OFFERS SHALL BE REJECTED.**

**DECLARATION (To be given by Bidder)**

**GeM Bid No.....**

**Item Description: .....**

With reference to above reference bid, we M/s..... (Bidder's Name)  
confirm/ declare the following.

1. Quoted Make/OEM name - .....
2. We are OEM or Reseller - .....
3. Valid Authorization certificate from OEM with OEM's Contact Details attached (In case of reseller) -  
Yes / NA .....
4. We confirm Nil deviation from GeM bid document (NIT).

**Note:**

1. OEM details such as name, designation, address, e-mail Id and Phone number required to be furnished along with the technical bid. (also refer ATC clause).
2. Commercial Deviation/deviation in delivery shown separately or found hidden in the offer, will not be taken cognizance of.

Signature of Authorized Signatory

Name:

Designation:

Contact No.:

Email:

Stamp / Seal of Firm

## Annexure-2

### Declaration Regarding MSE Category (to be given by Bidder)

In pursuant to the Public Procurement Policy for MSEs Order, 2012, I/We declare(s) that My/Our firm is(are) falling under the following MSE category and I/we shall submit documentary evidence/ Govt. Certificate etc. (UDYAM certificate) in support of the same along with the techno-commercial offer.

Type under MSE	SC Owned	ST Owned	Women Owned	Others (excluding SC/ST & Women Owned)
Micro				
Small				

(√ Tick whichever is applicable)

Note: If the bidder does not furnish the above in the tender, offer shall be processed construing that the bidder is not falling under MSE category.

Signature of Authorized Signatory

Name:

Designation:

Stamp / Seal of Firm

**Declaration Regarding Conflict of Interest**  
(to be given by Bidder)

Conflict of interest would said to have occurred in the tender process and execution of the resultant contract, in case of any of the following situations:

- 1) If its personnel have a close personal, financial, or business relationship with any personnel of BHEL who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of BHEL directly or indirectly.
- 2) The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating.
- 3) Procurement of goods directly from the manufacturers/ suppliers shall be preferred. However, if the OEM/ Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer/ supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer/ supplier could bid directly but not both. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored. However, this shall not debar more than one Authorised distributor (with/ or without the OEM). from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate.
- 4) A bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV.

I/We declares that I/We have read and understood the above aspects, and confirms that such conflict of interest does not exist and undertakes that I/We will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s), in this regard. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, I am /We are, found having indulged in above activities, the same will be considered as a violation of the tender conditions, and suitable action shall be taken by BHEL as per extant policies/ guidelines.

Signature of Authorized Signatory

Name:

Designation:

Stamp / Seal of Firm

**MAKE IN INDIA format (to be filled by OeMs of the participating bidders)****BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL****MATERIAL MANAGEMENT – STEEL DIVISION**

*For this Procurement, Government of India Public Procurement (Preference to Make in India), Order 2017 with its amendments and subsequent Orders issued by the respective nodal ministries shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT.*

*As per the Provisions of this order, please submit a **self-certification complying with the conditions below on company letterhead duly signed by competent authority.***

I ....., hereby declare on behalf of M/s. .... that we are participating in the Enquiry No. .... floated by BHEL, Bhopal (MP), India and shall comply with following:

Public Procurement (Preference to Make in India), Order 2017 *with its amendments* and subsequent Orders issued by the respective nodal ministries shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT.

- (a) A supplier will be treated as “**Class-I Local Suppliers**”, if the items quoted by bidder have local content equal to or more than 50%.
- (b) ‘**Local Content**’ means the amount of value added in India, which shall be total value of item quoted (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, **in percent**.

We hereby certify that the quoted items offered by us against above Enquiry No. is having local content of..... %

Further, to certify that the local content % certified above is in line with definition of Local content given in point no 2 of Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024 and we qualify as Class —I. (Class-I/ CLASS-II/Non-Local supplier-fill in one which is applicable) local supplier. It is also certified that Repackaging/ Refurbishment/ Rebranding of imported products and the license fees/royalties paid/ technical charges paid out of India are not considered for calculation of local content and there is no such locally-sourced imported items.

The above declaration does not include services such as transportation, insurance, installation, commissioning, training and after sales service support like AME/CMC etc. as local value addition. We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1) (i) (h) of the General Finance Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Finance Rules along with such other actions as may be permissible under law.

We further confirm that details of location(s) in India at which the local value addition is made will be at

- a. ....
- b. ....

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief and I undertake to inform you of any changes therein, immediately. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I am aware that I may be held liable for it.

(.....)

For M/s. ....

(Seal & Sign)

**Declaration Regarding Breach of Contract, Remedies, and Termination (To be given by Bidder).**

The following shall amount to breach of contract:

- I. Non-supply of material/ non-completion of work by the Supplier/Vendor within scheduled delivery/ completion period as per contract or as extended from time to time.
- II. The Supplier/Vendor fails to perform as per the activity schedule and there are sufficient reasons even before expiry of the delivery/ completion period to justify that supplies shall be inordinately delayed beyond contractual delivery/ completion period.
- III. The Supplier/Vendor delivers equipment/ material not of the contracted quality.
- IV. The Supplier/Vendor fails to replace the defective equipment/ material/ component as per guarantee clause.
- V. Withdrawal from or abandonment of the work by the Supplier/Vendor before completion as per contract.
- VI. Assignment, transfer, subletting of Contract by the Supplier/Vendor without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
- VII. Non-compliance to any contractual condition or any other default attributable to Supplier/Vendor.
- VIII. Any other reason(s) attributable to Vendor towards failure of performance of contract. In case of breach of contract, BHEL shall have the right to terminate the Purchase Order/ Contract either in whole or in part thereof without any compensation to the Supplier/Vendor.
- IX. Any of the declarations furnished by the contractor at the time of bidding and/ or entering into the contract for supply are found untruthful and such declarations were of a nature that could have resulted in non-award of contract to the contractor or could expose BHEL and/ or Owner to adverse consequences, financial or otherwise.
- X. Supplier/Vendor is convicted of any offence involving corrupt business practices, antinational activities or any such offence that compromises the business ethics of BHEL, in violation of the Integrity Pact entered into with BHEL has the potential to harm the overall business of BHEL/ Owner.

Note-Once BHEL considers that a breach of contract has occurred on the part of Supplier/Vendor, BHEL shall notify the Supplier/Vendor by way of notice in this regard. Contractor shall be given an opportunity to rectify the reasons causing the breach of contract within a period of 14 days.

In case the contractor fails to remedy the breach, as mentioned in the notice, to the satisfaction of BHEL, BHEL shall have the right to take recourse to any of the remedial actions available to it under the relevant provisions of contract.

**Remedies in case of Breach of Contract.**

- i) Wherein the period as stipulated in the notice issued under clause 14.1 has expired and Supplier/Vendor has failed to remedy the breach, BHEL will have the right to terminate the contract on the ground of "Breach of Contract" without any further notice to contractor.
- ii) Upon termination of contract, BHEL shall be entitled to recover an amount equivalent to 10% of the Contract Value for the damages on account of breach of contract committed by the Supplier/Vendor. This amount shall be recovered by way of encashing the security instruments like performance bank guarantee etc available with BHEL against the said contract. In case the value of the security instruments available is less than 10% of the contract value, the balance amount shall be recovered from other financial remedies (i.e. available bills of the Supplier/Vendor, retention amount, from the money due to the Supplier/Vendor etc. with BHEL) or the other legal remedies shall be pursued.

Signature of the Authorized Signatory of the Bidder

- iii) Wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is 10% of the contract value or more, such security instruments to the extent of 10% contract value will be encashed. In case no security instruments are available or the value of the security instruments available is less than 10% of the contract value, the 10% of the contract value or the balance amount, as the case may be, will be recovered in all or any of the following manners:
- iv) In case the amount recovered under sub clause (a) above is not sufficient to fulfil the amount recoverable then; a demand notice to deposit the balance amount within 30 days shall be issued to Supplier/Vendor.
- v) If Supplier/Vendor fails to deposit the balance amount within the period as prescribed in demand notice, following action shall be taken for recovery of the balance amount:
  - a. from dues available in the form of Bills payable to defaulted Supplier/Vendor against the same contract.
  - b. If it is not possible to recover the dues available from the same contract or dues are insufficient to meet the recoverable amount, balance amount shall be recovered from any money(s) payable to Supplier/Vendor under any contract with other Units of BHEL including recovery from security deposits or any other deposit available in the form of security instruments of any kind against Security deposit or EMD.
  - c. In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted supplier/Vendor.
- vi) It is an agreed term of contract that this amount shall be a genuine pre-estimate of damages that BHEL would incur in completion of balance contractual obligation of the contract through any other agency and BHEL will not be required to furnish any other evidence to the Supplier/Vendor for the purpose of estimation of damages.
- vii) In addition to the above, imposition of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract.

Note: 1) The defaulting Supplier/Vendor shall not be eligible for participation in any of the future enquiries floated by BHEL to complete the balance work. The defaulting contractor shall mean and include:

(a) In case defaulted Supplier/Vendor is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor.

(b) In case defaulted Supplier/Vendor is The Partnership Firm, any firm comprising of same partners/ some of the same partners; or sole proprietorship firm owned by any partner(s) as a sole proprietor.

Signature of the Authorized Signatory of the Bidder

Name:

Designation:

Stamp / Seal of Firm





# PLANT PURCHASING SPECIFICATION BHOPAL

BP 10890

Rev. No. 01

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**AISI D2 HIGH CARBON HIGH CHROMIUM TOOL STEEL BARS**  
**ANNEALED (MAT. No. < 1.2379 > EN/DIN X153CrMoV12- AISI D2)**

**SUPERSEDES**  
**BP 10890 Rev.00**

**FOR INTERNAL USE ONLY**  
**REMOVE THIS PREFACE BEFORE ISSUE TO SUPPLIERS**

## EQUIVALENT STANDARDS

- |             |   |   |
|-------------|---|---|
| 1. INDIAN   | : | IS : 3748-1990<br>Gr : XT160Cr12 (annealed) |
| 2. AMERICAN | : | AISI : D2                                   |
| 3. BRITISH  | : | B.S. : 4659 :1989<br>GR. : BD 2             |
| 4. JAPANESE | : | JIS: G4404 : 1983<br>GR. SKD11              |
| 5. GERMAN   | : | WERK STOFF : 1.2379                         |

## ACCEPTABLE COMMERCIAL GRADE SUPPLIERS :

BOHLER EDELSTAHI GMBH & CO KG  
MARIAZELLER STRABE 25  
A-8605 KAPFENBERG/AUSTRIA

## HIGH CARBON HIGH CHROMIUM TOOL STEEL BARS

### 1. GENERAL :

The Specification governs the quality of high carbon high chromium tool steel Bars, Annealed.

### 2. APPLICATION :

High performance cutting tools (DIES & PUNCHES), blanking & punching tools, wood working tools, shear blades for cutting light-gauge material, the thread rolling dies, drawing, deep drawing & extrusion tools.

### 3. CONDITION OF DELIVERY :

Cold rolled/forged and annealed

The bar shall be supplied in straight square and true.

Revision :

Reviewed &amp; No Technical. Change

Issued by :

STANDARDS AND MATERIALS GROUP  
TECHNICAL SERVICES DEPARTMENT

Rev No : 01

Date : 12.02.2020

Date of first issue : May, 2014

## 4. COMPLIANCE WITH NATIONAL STANDARDS :

The material shall comply with the requirement of

IS: 3748-1990

Gr XT160Cr12 (annealed)

Tool and die steel

## 5.0 DIMENSIONS & TOLERANCE :

### 5.1 Sizes :

Bars shall be supplied to be the dimension specified on the order.

### 5.2 Tolerance :

#### 5.2.1 Straightness For Cold Rolled Bars :

The permissible deviation shall not exceed 3 mm in any 1000 mm length of the bar.

#### 5.2.1.1 Dimensional Tolerances for Cold Drawn Bars — Rounds, Octagons, Quarter Octagons and Hexagons

Size Range Tolerance

SIZE RANGE IN MM	TOLERANCE IN MM
Over 6 up to and including 12	$\pm 0.05$
Over 12 up to and including 25	$\pm 0.06$
Over 25 up to and including 68	$\pm 0.08$
Over 68	$\pm 0.1$

#### 5.2.1.2 Tolerances for Cold Drawn Square and Flat Bars

Size Range Tolerance

SIZE RANGE IN MM	TOLERANCE IN MM
Over 6 up to and including 18	$\pm 0.05$
Over 18 up to and including 38	$\pm 0.08$
Over 38	$\pm 0.1$

### 5.2.2 Forged bars :

The tolerance on size for forged bars shall be  $\pm 1.5$  % of the size.

### 5.3 Length :

Bars shall be supplied in 2 to 4 meters length or in multiplies with maximum of 10 percent short down to 1 meter.

## 6. MANUFACTURE :

Material shall be manufactured from fully killed steel. Sufficient reduction and discard shall be made from each ingot to ensure freedom from piping, segregation and other defects.

The material shall be rough machined, chipped or ground to remove all surface Imperfections which are likely to produce defects in the finished product.

If the material is conditioned by grinding or chipping, depth of conditioning shall not exceed half the machining allowance per side and width of conditioning shall be at least four times its greatest depth.

## 7. FREEDOM FROM DEFECTS :

The material shall be free from defects such as seams, flakes, laps, cracks, pipes, bursts, excessive non-metallic inclusions and injurious metallic segregate.

Total decarburization shall be kept at the minimum level and in no case shall exceed 80 percent of the machining allowance.

## 8. CHEMICAL COMPOSITION :

The melt analysis of steel and the permissible variation in the composition of the finished product from the melt analysis shall as follows:

ELEMENT	PERCENT		PERMISSIBLE PERCENT MAX.
	MIN.	MAX.	
Carbon	1.5	1.7	± 0.04
Silicon	0.10	0.35	± 0.03
Manganese	0.25	0.55	± 0.04
Chromium	11.0	13.0	± 0.15
Molybdenum		0.8	± 0.05
Vanadium		0.8	± 0.04
Tungsten		0.6	± 0.04
Sulphur		0.035	± 0.005
Phosphorus		0.035	± 0.005

Optional :

### Note :

Elements not quoted above shall not be added to the steel. Other than for the purpose of finishing the melt and shall not exceed the following limits:

ELEMENT	PERCENTAGE MAX.
NICKEL	0.25
COPPER	0.35
TIN	0.05
COBALT	0.10

## 9. TEST SAMPLES:

One sample product shall be taken from each melt for chemical analysis.

For hardness test 5 percent of the number of pieces in the charge up to a maximum of 10 and minimum of 2 covering all sizes shall be taken.

## 10. MECHANICAL PROPERTIES :

Hardness (Brinell) : **as received condition :**

When tested in accordance with IS: 1500 the test pieces shall show a Brinell hardness of 255 FIB maximum.



TSD 6207 A

# PLANT PURCHASING SPECIFICATION BHOPAL

BP10890

Rev. No. 01

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## 11. RESPONSE OF HEAT TREATMENT :

Bars shall be capable of responding to the heat treatment specified below and the material must achieve a minimum Rockwell hardness of 60 HRC without showing any sign of overheating.

Pre-heat slowing to a temperature of 750-800°C raise the temperature to 980-1030°C and soak adequately. Quench in oil.

Temper at a suitable temperature between 150-300°C.

## 12. TEST CERTIFICATES :

Three pieces of heat certificates shall be supplied unless otherwise stated on the order.

Temper at a suitable temperature shall bear the following information:

BHEL references :

BP 10890, REV. NO. 01

Supplier's references :

Name.

Identification no.

Melt no.

Details of heat treatment.

Results of Tests :

Results of dimensional inspection.

Results of chemical analysis and hardness tests in annealed and hardened and tempered conditions.

## 13. PACKING & MARKING :

The bars shall be suitably packed in bundles to prevent corrosion and Damage during transit. Bars of size up to & inci. 45 mm shall be bundled together.

Bars above 45 mm in dia. or of equivalent cross section area shall be stamped BP 10890 and 'melt number" on the side near the end or on the end face.

A metal label shall be securely attached to each other bundle and shall bear the following Information.

**BP 10890 : HIGH CARBON HIGH CHROMIUM TOOL STEEL BARS-ANNEALED.**

BHEL ORDER NO

Consignment or identification no.:

Melt NO. :

Size & Weight.

Supplier Name :

Duly filled and signed Technical annexure-A by bidder

Item no.	DESCRIPTION	Bidder's response			
		(Yes/ No)	Mentioned carbon % & chromium %	Quoted Product Size	Remarks, If any
1	HC. HCR.STEEL. FLAT SIZE:50 (+2/-0)MM THICK X 200 (+5/-0)MM WIDTH,LENGTH 2 TO 4 METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13,OTHER DETAILS AS PER SPECIFICATION BP10890.				
2	HC. HCR.STEEL FLAT SIZE:50 (+2/-0)MM THICK X 150 (+5/-0)MM WIDTH,LENGTH 2 TO 4METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13 ,OTHER DETAILS AS PER SPECIFICATION BP10890.				
3	HC. HCR.STEEL FLAT SIZE:30 (+2/-0)MM THICK X 100 (+5/-0)MM WIDTH,LENGTH 2 TO 4METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13, OTHER DETAILS AS PER SPECIFICATION BP10890.				
4	HC. HCR.STEEL. FLAT SIZE:30 (+2/-0)MM THICK X 130 (+5/-0)MM WIDTH,LENGTH 2 TO 4METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13, OTHER DETAILS AS PER SPECIFICATION BP10890.				
5	HC. HCR.STEEL. FLAT SIZE:50 (+2/-0)MM THICK X 180 (+5/-0)MM WIDTH,LENGTH 2 TO 4 METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13, OTHER DETAILS AS PER SPECIFICATION BP10890.				
6	HC. HCR.ROUND BAR SIZE: 12 (+2/-0)MM ,LENGTH 2 TO 4METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13, OTHER DETAILS AS PER SPECIFICATION BP10890.				
7	HC. HCR.ROUND BAR SIZE: 32 (+2/-0)MM ,LENGTH 2 TO 4METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13, OTHER DETAILS AS PER SPECIFICATION BP10890.				
8	HC. HCR.ROUND BAR SIZE: 40 (+2/-0)MM ,LENGTH 2 TO 4METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13, OTHER DETAILS AS PER SPECIFICATION BP10890.				
9	HC. HCR.ROUND BAR SIZE: 50 (+2/-0)MM ,LENGTH 2 TO 4METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13, OTHER DETAILS AS PER SPECIFICATION BP10890.				
10	HC. HCR.ROUND BAR SIZE: 100 (+2/-0)MM ,LENGTH 2 TO 4METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13, OTHER DETAILS AS PER SPECIFICATION BP10890.				
11	HC. HCR.ROUND BAR SIZE: 125 (+2/-0)MM ,LENGTH 2 TO 4METER WITH CARBON PERCENTAGE 1.5 TO 1.7 & CHROMIUM PERCENTAGE 11 TO 13, OTHER DETAILS AS PER SPECIFICATION BP10890.				