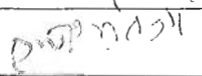


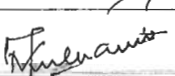


**GOVERNMENT OF INDIA  
(Ministry of Railways)**

**SPECIFICATION FOR  
CALCINED PETROLEUM COKE  
PL No.81971102**

**MECHANICAL DRAWING OFFICE  
RAIL WHEEL FACTORY  
YELAHANKA, BANGALORE-560 064  
INDIA**

**Issued by  
SSE/D**

			
<b>CME</b>	<b>CWE/Mfg</b>	<b>Dy. CME/Mfg</b>	<b>WM/WP</b>
<b>APPROVED</b>	<b>REVIEWED</b>	<b>VERIFIED</b>	<b>PROPOSED</b>

**SPECIFICATION FOR CALCINED PETROLEUM COKE**

**1.0 SCOPE**

The Specification covers manufacture and supply of Calcined Petroleum Coke (CPC) used as charge material during Steel making for raising the carbon percentage of the molten steel in an Electric Arc Furnace.

**2.0 GENERAL DESCRIPTION**

Calcined Petroleum Coke (CPC) to be used in the Electric Arc Furnace as a carbon raiser for steel making.

**3.0 JOB REQUIREMENTS**

In the Electric Arc Furnace at RWF, steel scrap is melted for casting of railway wheels. Calcined Petroleum Coke (CPC) is added as part of the initial charge to act as a carbon raiser in the steel making process.

**4.0 TECHNICAL DATA**

**COMPOSITION**

- a. Fixed Carbon : 98.0% min. |
- b. Sulphur : 0.60% max.
- c. Silicon : 0.05% max.
- d. Iron : 0.04% max.
- e. Volatile matter : 0.50% max. |
- f. Ash content : 0.50% max.
- g. Moisture : 0.50% max. |

**SIZE**

Size Range : 2 to 10 mm;  
 +10 mm should be 'Nil'.  
 Fines (<2 mm) not to exceed 10% by weight.

<i>02-10-2011</i>	<i>[Signature]</i>	<i>C</i>	<i>[Signature]</i>
CME	CWE/Mfg	Dy. CME/Mfg	WM/WP
APPROVED	REVIEWED	VERIFIED	PROPOSED

**5.0 PACKING**

The Calcined Petroleum Coke (CPC) shall be supplied in paper bags capable of withstanding conditions of transit and handling. The quantity of CPC per bag shall be 25 kg net.

Each bag shall be marked with supplier's name, the name and grade of material supplied.

**6.0 SAMPLING NORM**

The number of bags for sampling shall be selected at random as per Table-I.

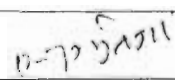
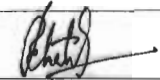

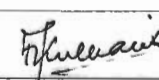
TABLE-I

Lot weight	No. of bags selected for sampling
*Upto 1 MT	02
*Over 1 and less than/ equal to 4 MT	04
*Over 4 and including 25 MT	10

From each lot as indicated in the above table, with the help of suitable sampling instrument about 0.5 kg of material shall be drawn from each selected bag. It shall be mixed to form a composite sample. By successive coning and quartering division method, the composite sample shall be reduced and given a final test sample of 0.5 kg for the chemical analysis.

**7.0 TEST CERTIFICATE**

The Supplier shall submit the test certificate pertaining to the lot supplied to RWF while conforming to the requirement.

			
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