

**SPECIFICATION FOR COAL TAR CREOSOTE FOR PRESERVATION OF TIMBER**

**1 Scope**

This specification established requirements for Coal Tar Creosote used for the preservation of timber. (Type II)

**2 Description**

This Creosote shall consist wholly of a blend of distillates of Coal Tar and shall be free from any admixture of Petroleum oils and oil not delivered from Coal Tar.

**3 Specification**

Item # Name	Component	Minimum Specification	Bidder' Respons (YES/NO)	If "NO" comments on the
i	Density of the material at °C	1003 Kg/m3 < 1108 kg/m3		
ii	Liquidity	The material shall become completely liquid on being slowly warmed at 38 °C °F) with stirring and on cooling shall remains completely liquid after standing for two hours at 32 °C °F)		
		If Creosote is required for cold application it shall become completely liquid on being slowly warmed to 38 °C °F) with stirring shall on cooling remain completely liquid after standing for two hours at °C. °F)		

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iii	Water Content	The material shall not yield more than 1.5% by volume of water.		
iv	Distillation	The distillates at 205° C, 230° C, 315° C, 355° C shall be within the limits given below.		
		Distillation Limits		
	Temperature	Cumulative Distillate		
		Not less than % (m/ m)	Not more than % (m/ m)	
	205° C	-	5	
	230° C	5	30	
	315° C	40	78	
	355° C	73	90	
v	Residue	If required by the purchaser, it shall be demonstrated to the residue after separate distillation to 315° C (599° F) soft and not sticky.		
		The material offered should not be a sludge when stored at room temperature (30° C).		
vi	Extractable Phenol Content (Taracids)	The Distillate to 315° C produced from the material shall contain not more than 20 ml. of extractable phenols per 100 g. of the distillate.		
		Creosote having a density at lower than 1.06 g/ ml not less than 5 ml. of extractable phenols per 100 g. distillate.		
vii	Matter insoluble in Toluene	The material shall not yield more than 0.4 percent (0.4% m/ m) by weigh of matter insoluble in Toluene.		

viii	Viscosity	The Kinematic viscosity of the material shall not less than less than 4 (mm <sup>2</sup> / s) and not more than 20 (mm <sup>2</sup> / s) at 40°C.		
ix	Naphthalene Content	The Naphthalene content of the material shall not more than 15 percent (15% m/ m)		

#### 4 Method of Examination Analysis:

The methods of examination and analysis of the sample shall be those set down in B.S.S. 144 of 1997 Coal Tar Creosote for the preservation of timber.

Name : .....

Designation : .....

Signature : .....

Date : .....

Rubber Stamp :

\*\*\* Pre- bid meeting will be held on 07/04/ 2022, 10.30 hrs. at "Sapthaparisara mandapaya, No. 82, "Sampath Paya", Rajamalwatta Road, Battaramulla.

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Schedule II**SAMPLES**

1. Sealed samples packed in three individual container, containing not less than one litre (01) in volume of "Coal Tar Creosote Oil – Type II" should be submitted to Manager (Sleepers & Transmission Poles) State Timber Corporation, No. 82, Rajamalwate Road, Battaramulla prior to the closing date of bid, along with the copies of documents regarding this import of samples.
2. Acknowledgement for the receipt of samples should be obtained from Manager (Sleepers & Transmission Poles) and the original of which should be enclosed with the original tender document.
3. The Manufacturer's/Supplier's name should be printed on each container.
4. Failure to comply with any of the above shall result in the tender being considered as **incomplete and invalid**.
5. Samples should not be consigned direct to State Timber Corporation and We shall not undertake to clear any such samples from air/sea parcel post Offices or by air freight.
6. On taking delivery of consignment at our Ware House consignment to be checked by ITI in the presence of the following representatives:-
  - i. I.T.I.
  - ii. Local Agent or Supplier
  - iii. S.T.C.

Samples drawn will be sealed by all 03 officials. ITI will test 01 sealed composite sample for quality and conformity with B.S. 144 (1997).

If the samples do not conform to the Standard, the balance 10% on the letter of credit will be retained and the 10% Performance Bond will be seized as liquidated damages arising from the default of the seller and not as a penalty. The seller is deemed to have consented to such forfeiture and have no claim on account of damages of any sort or for reimbursement of money from or against the Buyer.

## 5. Inspections and Tests

The following inspections and tests shall be performed:

- The Technical Evaluation Committee must be satisfied that the provided goods are;
  - Fully compliance with the technical specifications and all other bidding conditions.

After delivered of consignment at our Warehouse, consignment to be checked by ITI in the presence of the following representatives:-

- iv. I.T.I.
- v. Local Agent or Supplier
- vi. S.T.C.

Scaled composite samples will be checked by ITI for test quality and conformity those set down in B.S.S 144 of 1997 Coal Tar Creosote for the preservation of Timber.