

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 # | 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 remain 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.   |                                   |  |
| <u>Distillation Limits</u> |                                       |   |                                   |  |
| <u>Temperature</u>         |                                       | <u>Cumulative Distillate</u>  |                                   |  |
|                            |                                       | <u>Not less than<br/>% (m/ m)</u>   | <u>Not more than<br/>% (m/ m)</u> |  |
|                            | 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 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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