

1. General points related to materials

- a. All Primers will be applied on steel surfaces blast cleaned to SA 2.5.
- b. All parameters as indicated are at Room Temperature.
- c. Method of application: Brush, Air spray and Airless spray.
- d. For Primer and Intermediate Paints, the finish should be smooth matt, whereas for Finish Paints the finish should be full gloss.
- e. Paint consistency should be smooth and homogeneous.
- f. For all paints –
Test certificate and guarantee certificate to be furnished along with supply. The material shall be procured in line with paint procurement check list and quality procedure released by BHEL-BAP/Quality. Pre-despatch inspection to be offered to BHEL/BHEL authorised inspection agency.
Each container must have following information available on it.
Material name
BHEL material code
Colour
Volume of solids in %
Paint-hardener mixing proportions
Batch no.
Expiration date
BHEL order number
Test Results (Acceptable/Unacceptable)
BHEL-BAP/Ranipet use only
- g. For all thinners –
Test certificate and guarantee certificate to be furnished along with supply. The material shall be procured in line with paint procurement check list and quality procedure released by BHEL-BAP/Quality. Pre-despatch inspection to be offered to BHEL/BHEL authorised inspection agency.
Each container must have following information available on it.
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BHEL material code
Colour
Batch no.
Expiration date
BHEL order number
Test Results (Acceptable/Unacceptable)
BHEL-BAP/Ranipet use only

2. Safety points

Along with each supply the supplier shall furnish Material Safety Data Sheet (MSDS) covering information relating to human safety and environmental impacts of the hazardous materials particularly during, transportation, storage, handling and disposal.
Each container shall be marked with corresponding symbol and minimum worded cautionary notice for flammable / corrosive / toxic / harmful / irritant and oxidizing etc. as applicable.

3. All suppliers shall qualify the PQR criteria.

| | BHEL Requirement | Confirmation by the Bidder |
|--|---|----------------------------|
| SNO. | 1 | |
| MATERIAL CODE | IM1290000100 | |
| MATERIAL DESCRIPTION | INORGANIC ZINC ETHYL SILICATE PRIMER PAINT, SV 60%, GREY, WITH TOTAL METALLIC ZINC CONTENT 75% IN DRY FILM OF DFT 75 MICRONS, MIN. ZINC DUST COMPOSTION QUALITY SHALL BE TYPE II AS PER ASTM D520-00. | |
| MINIMUM VOLUME OF SOLIDS | 60% | |
| TOTAL METALLIC ZINC CONTENT | 75%, min. by weight in non-volatile portion of the paint | |
| DFT MICRONS PER COAT | 75μ | |
| MINIMUM OVERCOAT INTERVAL, HRS, MAX | 24 | |
| MAXIMUM OVERCOAT INTERVAL | TO BE SPECIFIED BY SUPPLIER | |
| COLOUR SHADE | GREY | |
| PACK SYSTEM | 2 PACK (HARDENER+BASE) | |
| PACKING SIZE | 20 L | |
| APPLICABLE STANDARD | IS 14946 | |
| APPLICABLE QUALITY PLAN | MQP:IEZS:PMR REV: 01 DATE: 22.07.2020 | |
| MINIMUM SHELF LIFE IN MONTHS | 6 FROM DATE OF RECEIPT AT BHEL STORES. | |

| | BHEL Requirement | Confirmation by the Bidder |
|-----------------------------------|---|----------------------------|
| SNO. | 2 | |
| MATERIAL CODE | IM1290006100 | |
| MATERIAL DESCRIPTION | INORGANIC ZINC ETHYL SILICATE PRIMER PAINT, SV 60%, GREY, WITH TOTAL METALLIC ZINC CONTENT 80% IN DRY FILM OF DFT 75 MICRONS, MIN. ZINC DUST COMPOSTION QUALITY SHALL BE TYPE II AS PER ASTM D520-00. | |
| MINIMUM VOLUME OF SOLIDS % | 60 | |
| DFT MICRONS PER COAT | 75 | |
| MINIMUM OVERCOAT | 24 | |

| | | |
|-------------------------------------|---|--|
| INTERVAL, HRS, MAX | | |
| MAXIMUM OVERCOAT INTERVAL | TO BE SPECIFIED BY SUPPLIER | |
| COLOUR SHADE | GREY | |
| PACK SYSTEM | 2 PACK (HARDENER+BASE) | |
| PACKING SIZE | 20 L | |
| APPLICABLE STANDARD | IS 14946 | |
| APPLICABLE QUALITY PLAN | MQP:IEZS:PMR REV: 01 DATE: 22.07.2020 | |
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