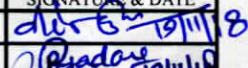
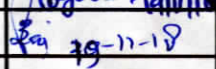


|                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |                                                                                                                            |                                          |                                     |                                          |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------|
| दिनांक एवं हस्ताक्षर<br>SIGN & DATE                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                       | <b>उत्पाद क्रय विनिर्देश</b><br><b>PRODUCT PURCHASE SPECIFICATION</b> |                                                                                                                            | <b>Annexure</b>                          |                                     |                                          |                                                                                       |
|                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |                                                                                                                            | पृष्ठ<br>Page                            | 1<br>1                              | का<br>of                                 | 1<br>1                                                                                |
| सुपरसेड्स<br>INVENTORY NO.                                                                                                                                                                                                   | <b>1.0 Name of Items: Ultrafine Particulate PM 1 Sampler (01 No.)</b>                                                                                                                                                                                                                                                                                                                  |                                                                       |                                                                                                                            |                                          |                                     |                                          |                                                                                       |
| समग्री पूरी करना को<br>अपेक्षित करना है                                                                                                                                                                                      | <b>2.0 Basic:</b> Ultrafine Particulate PM 1 Sampler is used for measuring a critical dust pollutant which has dust of 1 micron in size.                                                                                                                                                                                                                                               |                                                                       |                                                                                                                            |                                          |                                     |                                          |                                                                                       |
| <b>COPYRIGHT AND CONFIDENTIAL</b><br>The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company. | <b>3.0 Specification :</b>                                                                                                                                                                                                                                                                                                                                                             |                                                                       |                                                                                                                            |                                          |                                     |                                          |                                                                                       |
|                                                                                                                                                                                                                              | <b>3.1 particle Size</b>                                                                                                                                                                                                                                                                                                                                                               |                                                                       | : Omni-directional air Inlet with PM 1 separation through an impactor designed.                                            |                                          |                                     |                                          |                                                                                       |
|                                                                                                                                                                                                                              | <b>3.2 Sampling Rate</b>                                                                                                                                                                                                                                                                                                                                                               |                                                                       | : Constant Sampling rate of 10 litres per minute, unaffected by voltage fluctuation maintained by critical orifice system. |                                          |                                     |                                          |                                                                                       |
|                                                                                                                                                                                                                              | <b>3.3 Filter Media</b>                                                                                                                                                                                                                                                                                                                                                                |                                                                       | : Filter holder designed to accept any standard 47 mm diameter Teflon membrane.                                            |                                          |                                     |                                          |                                                                                       |
|                                                                                                                                                                                                                              | <b>3.4 Sample volume</b>                                                                                                                                                                                                                                                                                                                                                               |                                                                       | : Dry Gas Meter records the total air volume sampled.                                                                      |                                          |                                     |                                          |                                                                                       |
|                                                                                                                                                                                                                              | <b>3.5 Automatic Sampling Control</b>                                                                                                                                                                                                                                                                                                                                                  |                                                                       | : 24 hours programmable timer is provided to automatically start and shut off sampler as per requirement.                  |                                          |                                     |                                          |                                                                                       |
| <b>स्वत्वाधिकार एवं गोपनीय</b><br>इस दस्तावेज में दी गई सूचना भारत भारती इलेक्ट्रिकल्स की सम्पत्ति है इसका प्रयोग एवं आशय एवं से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक है न किया जाए ।                         | <b>3.6 Power Requirement</b>                                                                                                                                                                                                                                                                                                                                                           |                                                                       | : Single phase AC 220 volts, 50 Hertz supply. Sampler unaffected by $\pm 10\%$ fluctuation in supply voltage.              |                                          |                                     |                                          |                                                                                       |
|                                                                                                                                                                                                                              | <b>4.0 General Terms &amp; Conditions</b>                                                                                                                                                                                                                                                                                                                                              |                                                                       |                                                                                                                            |                                          |                                     |                                          |                                                                                       |
| हस्ताक्षर एवं दिनांक<br>SIGN & DATE                                                                                                                                                                                          | <b>4.1 Document :</b> O&M Manual in English language giving complete technical information for operation and maintenance of the equipment shall be supplied.                                                                                                                                                                                                                           |                                                                       |                                                                                                                            |                                          |                                     |                                          |                                                                                       |
|                                                                                                                                                                                                                              | <b>4.2 Guarantee:</b> The equipment shall be guaranteed for satisfactory performance for a period of 12 months from the date of installation or 18 months from date of dispatch, whichever is earlier.<br><b>Failing to comply to the Guarantee clause, the offer will be rejected straightaway.</b>                                                                                   |                                                                       |                                                                                                                            |                                          |                                     |                                          |                                                                                       |
| समग्री पूरी करना<br>INVENTORY NO.                                                                                                                                                                                            | <b>4.3 Packing &amp; Dispatch:</b> The equipment / accessories shall be packed in a strong suitable water proof/vibration proof packing boxes capable of bearing air and road transit hazards. Packing box shall be properly identified and marked with BHEL's (India) Purchase Order Number. Also, "PCRI HWR" should be written in bold letters on all four sides of the packing box. |                                                                       |                                                                                                                            |                                          |                                     |                                          |                                                                                       |
|                                                                                                                                                                                                                              | सहमत विभाग<br>AGREED DEPTT.                                                                                                                                                                                                                                                                                                                                                            |                                                                       | नाम<br>NAME                                                                                                                | दिनांक एवं हस्ताक्षर<br>DATE & SIGNATURE | नाम<br>NAME                         | दिनांक एवं हस्ताक्षर<br>SIGNATURE & DATE |                                                                                       |
|                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |                                                                                                                            |                                          | निर्माणकर्ता<br>WORKED BY           | Virendra Kumar                           |  |
|                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |                                                                                                                            |                                          | जांचकर्ता<br>CHECKED BY             | R S Yadav                                |                                                                                       |
|                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |                                                                                                                            |                                          | पर्यवेक्षणकर्ता<br>SUPERVISED BY    | Bhoj Raj                                 |  |
|                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |                                                                                                                            |                                          | स्वीकृति<br>APPROVED : Ambrish Goel |                                          |                                                                                       |
| REV.NO.                                                                                                                                                                                                                      | 00                                                                                                                                                                                                                                                                                                                                                                                     |                                                                       |                                                                                                                            | निर्माण<br>PREPARED : Virendra Kumar     | नारी<br>ISSUED : Bhoj Raj           | दिनांक<br>DATE : 19.11.2018              |                                                                                       |
| Dt.                                                                                                                                                                                                                          | 19.11.2018                                                                                                                                                                                                                                                                                                                                                                             |                                                                       |                                                                                                                            |                                          |                                     |                                          |                                                                                       |