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उत्पाद क्रय विनिर्देश
INDENT NO. 20140461

Capital
(1/14-15)

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| Page | 1 | of | 2 |

PRODUCT PURCHASE SPECIFICATION

दिनांक एवं हस्ताक्षर
SIGN & DATE

सुपरसेड इन्वेंट्री नं.
SUPERSEDES INVENTORY NO.

सभी सूची संख्या को अधिकतम करार है
सभी सूची संख्या को अधिकतम करार है

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स्वाधिकार एवं गोपनीय
इस प्रतीक में दी गई सूचना भारत भारती इंजीनियरिंग को स्वतंत्र है इसका प्रसार एवं उपयोग अन्य से किसी भी तरह प्रयोग, जो कि कंपनी के हित से अधिकतम हो न किया जाए।



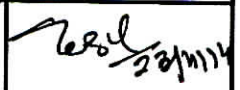
दिनांक एवं हस्ताक्षर
SIGN & DATE

सभी सूची संख्या
INVENTORY NO.

- 1.0 **Name of Equipment:** Double Beam UV-VIS Spectrophotometer
- 2.0 **General:** Measures transmittance and absorbance for a wave length or spectrum and permits determination of concentrations against reference standard.
- 3.0 **Specifications of Equipment:**
 - 1.Wavelength Range : 190 – 1100 nm
 - 2.Spectral Band width : 2 nm or better
 - 3.Wave length display : 0.1 nm increments
 - 4.Wavelength Accuracy : ±0.3 nm
 - 5.Wave length repeatability : ±0.1 nm
 - 6.Photometric Mode : Absorbance, %Transmittance, Concentration
 - 7.Photometric Range : 1. Abs: -3.0 ~ 3.0
2. %T: 0 ~ 200%T
3. Conc.: 0.000 ~ 9999
 - 8.Photometric Accuracy : ±0.005A at 1.0A
 - 9.Light Source : Deuterium and Tungsten lamps with automatic changeover
 - 10. Detector : Silicon Photodiode
 - 11. Display : Liquid Crystal Display
 - 12. Data Storage Interface : Universal Serial Bus (USB)
 - 13. Communication Bus : RS 232C, Bi-directional
 - 14. Power Source : 230V AC, 50Hz
 - 15. Cuvettes : Rectangular, 10 mm
 - 16. Monochromator : Equipped with high resolution concave diffraction grating

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|-----------------------------|-------------|--|----------------------------------|---|
| | | | नाम NAME | दिनांक एवं हस्ताक्षर SIGNATURE & DATE |
| | | | निर्वाहकर्ता WORKED BY | Dr. S. Bhatnagar <i>Dr. S. Bhatnagar</i> 23/4/14 |
| | | | जांचकर्ता CHECKED BY | Dr. S. Bhatnagar <i>Dr. S. Bhatnagar</i> 23/4/14 |
| सहमत विभाग AGREED DEPTT. | नाम NAME | दिनांक एवं हस्ताक्षर DATE & SIGNATURE | पर्यवेक्षणकर्ता SUPERVISED BY | Dr. S. Bhatnagar <i>Dr. S. Bhatnagar</i> 23/4/14 |
| | | | स्वीकृति APPROVED : | Dr. N.G. Shrivastava <i>Dr. N.G. Shrivastava</i> 23/4/14 |
| REV.NO. | 00 | | निर्माण PREPARED : | Dr. S. Bhatnagar <i>Dr. S. Bhatnagar</i> 23/4/14 |
| DI. | 23.04.2014 | | जारी ISSUED : | Dr. S. Bhatnagar <i>Dr. S. Bhatnagar</i> 23/4/14 |
| | | | दिनांक DATE : | 23.04.2014 |

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| निम्न एवं दिनांक SIGN & DATE |  | उत्पाद क्रय विनिर्देश INDENT NO. 20140461 | | Capital (1/14-15) | |
| | | PRODUCT PURCHASE SPECIFICATION | | पृष्ठ Page | 2 2 |
| सुपरसेडस INVENTORY NO. | 17. Ambient Condition : Equipment shall be suitable for operation in ambient temperature from 0-50°C and relative humidity of 0-98%. | | | | |
| सामग्री पूर्ण संख्या के अधीनस्थित करना है | 4.0 General Terms & Conditions | | | | |
| COPYRIGHT AND CONFIDENTIAL 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 | 4.1 Document: One hard copy of O&M manual in English language giving complete technical information for operation and maintenance of the equipment including circuit diagram shall be supplied. | | | | |
| | 4.2 Installation and Commissioning : The supplier shall install & commission the Equipment <u>at PCRI</u> , demonstrate the performance of the Equipment to ensure compliance with complete specifications & parameters quoted by them to the satisfaction of BHEL/end user. Cost of installation and commissioning should be indicated separately. | | | | |
| | 4.3 Guarantee / Warranty: The equipment shall be guaranteed / warranted for satisfactory performance for a period of 12 months from the date of commissioning or 18 months from the date of dispatch whichever is earlier. | | | | |
| | 4.4 Packing & Dispatch: The equipment / accessories shall be packed in a 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 and should accompany Packing List. | | | | |
| स्वसाधिकार एवं गोपनीय इस प्रलेख में की गई सूचना भारत में ही सीमित रहनी चाहिए और इसमें उल्लेखित जानकारी को सार्वजनिक रूप से प्रकाशित करने से बचना चाहिए। | | | | | |
| निम्न एवं दिनांक SIGN & DATE | | | | | |
| सामग्री पूर्ण संख्या INVENTORY NO. | REV.NO. | 00 | निर्माणकर्ता WORKED BY | Dr. S. Bhatnagar |  |
| | | | स्वीकृति APPROVED BY | Dr. N.G. Shrivastava |  |