

BHARAT HEAVY ELECTRICALS LIMITED
HEEP: HARIDWAR-249 403 (UA)
Fax: 0091 01334-225090, Phone: 0091 01334-281362, 285856
E-mail: manudev@bhelhwr.co.in; shail@bhelhwr.co.in; arjesh@bhelhwr.co.in

No. PCRI-BOI/OT/20154559

Tender Issuing date: 04/12/2015

Subject: Open tender as detailed below:

OPEN TENDER

1. Sealed tenders with the Tender No. and opening date clearly superscribed on the cover are invited for the supply of the following item.
2. Last date for obtaining tender documents and opening of tenders is indicated against tender. Tenders will be received up to 1:45 P.M. on opening date and opened on the same day at 2.00 P.M. in the Tender Room.
3. After downloading the tender documents from website, while submitting the tender as detailed in "Instruction to Bidders", intending vendors must remit the tender fee of Rs. 2,000.00 (*applicable for indigenous vendors*) or \$ 50.00 / €40.00 (*applicable for foreign vendors*) against the tender alongwith the requisite EMD in the form of Cash (as permissible under Income Tax Act) / Pay Order / Demand draft / e-payment (in case of foreign bidders only). **EMD in the form of Cheque / Bank Guarantee are not acceptable.**
4. BHEL will not be responsible for any type of postal delay / incomplete information from vendor.
5. Other terms and conditions will be as per tender documents.

| Sl. No. | Tender No. | Description of Item | Qty. (Nos.) | Projects | Last date to get Tender from BHEL | Tender Opening date |
|---------|--------------------|----------------------|-------------|-----------|-----------------------------------|---------------------|
| 1. | R/5599/2015/4559V1 | Laboratory Chemicals | 99 | Bellary-3 | 25/12/2015 | 26/12/2015 |
| | | Laboratory Chemicals | 99 | Yeramarus | | |

- Technical Specifications as per enclosed '[Annexure-1A](#)' & '[Annexure-1B](#)'
- Price Bid formats as per enclosed '[Annexure-2A](#)' & '[Annexure-2B](#)'
- Commercial Terms & Conditions as per enclosed '[Annexure-3](#)'
- Supplier Registration Form as per enclosed '[Annexure-4](#)' / '[Annexure-5](#)'

FOR & ON BEHALF OF BHEL, HARIDWAR

Engineer (PCRI-BOI)



BHARAT HEAVY ELECTRICALS LIMITED
HEEP HARIDWAR INDIA-PIN 249403
FAX NO: 0091 1334 225090
PHONE NO: 0091 01334-281362, 285856

Enquiry No.: R/5599/2015/4559V1

Tender Issuing date : 04/12/2015

M/s.....

Due Date : 26/12/2015

Sub: Tender Enquiry No. R/5599/2015/4559V1

We are pleased to invite your offer in **TWO PARTS (PART-I & PART-II)** strictly as per enclosed Terms & Conditions and "Instruction to Bidders", in sealed covers for the under mentioned equipment / systems.

| Sl. No. | Description of Equipment | Qty. (Nos.) | Projects | Delivery Required | EMD (Earnest Money Deposit) |
|---------|--------------------------|-------------|-----------|-------------------|---|
| 1. | Laboratory Chemicals | 99 | Bellary-3 | 15/02/2016 | INR 1,00,000/- (Rupees One Lacs only) or equivalent in Foreign currency |
| 2. | Laboratory Chemicals | 99 | Yeramarus | 15/02/2016 | |

Please submit your lowest quotation / offer for the above requirement subject to our terms and conditions. Your offer should reach us on or before the due date by 1:45 P.M.

NOTE: The vendors should submit their best price at this stage itself and they will not be allowed to revise the price. Any revision / discount given by vendor subsequently will be ignored.

Any clarification on technical specifications can be obtained from BHEL before tender opening. Vendors are welcome to have pre-bid meeting with BHEL engineers for better understanding of our requirements.

PLEASE SUBMIT SEPARATE DEMAND DRAFTS FOR EMD & TENDER FEE (drawn in favor of BHEL Hardwar, payable at Haridwar) IN PART-I BID. This Part-I bid shall be opened by BHEL at 2:00 P.M. on the due date, in the presence of authorized representatives of the bidders who may like to be present. The authorized representative should bring authority letter from their principals for attending the bid opening.

Central / State - PSUs / Government departments are exempted from submission of EMD subject to approval by BHEL management.

As per government guidelines, Micro and Small Enterprises are exempted from submission of EMD and Tender Fee. To claim exemption from EMD & Tender Fee submission the Micro and Small Enterprises must submit valid MSE certificate as mentioned in clause 1 (a) (1) in the "Instruction to Bidders". The exemption to Micro and Small Enterprises from submission of EMD and Tender Fee is subject to approval by BHEL management.

BHEL will forfeit the EMD if, the successful bidder / vendor refuses to honour the order after award of the same on him and / or withdraws his bid and / or unilaterally changes the offer and / or any of its terms & conditions within the validity period.

EMD given by all unsuccessful vendors shall be refunded after opening of price bid of successful vendors. The EMD of successful vendors who are not L1 shall be returned after award of PO/LOI on L1 vendor. The EMD of L1 vendor shall be returned after submission of order acceptance.

EMD shall not carry any interest.

KINDLY READ "INSTRUCTION TO BIDDERS" THOROUGHLY. QUOTATION NOT IN ACCORDANCE WITH THE ABOVE INSTRUCTION IS LIABLE TO BE DISQUALIFIED & IGNORED.

FOR & ON BEHALF OF BHEL, HARIDWAR

Engineer (PCRI-BOI)

Instruction to Bidders

Clause 1.0: Tender submission

The tenders have to be submitted in **TWO PARTS (In Separate Envelops)** as described below on or before the due date and time of tender opening:

a) Part-I (Envelope I) : 1. EMD & Tender Fee

or

Valid certificate towards exemption of EMD & tender fee, applicable for Micro and small Enterprises, as mentioned below.

MSE Suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (format enclosed where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (**Part I in case of Two part bid**). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents is found or the requisite documents are not submitted before price bid opening. Documents should be notarized or attested by a Gazetted Officer.

3. Techno - Commercial Bid.

4. Supplier Registration Form (SRF) duly filled-in alongwith supporting documents. Vendor already registered in BHEL, Haridwar with permanent code need not fill the SRF form. (SRF documents to be placed separately in Part-I bid and not to be mixed with Techno-Commercial Bid).

b) Part-II (Envelope II): Price Bid as per price bid format enclosed

Any corrections / amendments shall be properly & fully authenticated with signature

Procurement directly from the manufacturers / suppliers shall be preferred. However, if OEM / Principal insist on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer / supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer / supplier or the manufacturer / supplier could bid directly but not both. In case bids are received from both, the manufacturer / supplier and the agent, bid received from the agent shall be ignored.

The bidders (original manufacturers) will have to submit ink-signed offer / bid in original directly to BHEL. In case the bid is submitted by FAX / email, the bidders shall simultaneously ensure submission of ink-signed original bid to BHEL also in the manner prescribed in the tender. **Unsigned bids shall be ignored.**

The suppliers or their authorized person may be allowed to attend the tender opening, if duly authorized by their principals, through a specific letter for a particular enquiry for specific bid opening on that particular day. **General authorization letter is not acceptable.**

Clause 1.1

The Part -I (Envelope-I) shall comprise the following:

- i. Tender fee of Rs. 2,000.00 (*applicable for indigenous vendors*) or \$ 50.00 / €40.00 (*applicable for foreign vendors*) against the tender along-with the requisite EMD in the form of Cash (as permissible under Income Tax Act) / Pay Order / Demand draft (in favor of BHEL, Haridwar, payable at Haridwar) / e-payment (in case of foreign bidders only) 'OR' valid certificate towards exemption of EMD as described in clause 1.0 (a):1.
- ii. Technical Offer as per **Technical Specifications PR00470 (Rev. 00) for Yeramarus project attached as Annexure-1A & PR00470 (Rev. 01) for Bellary-3 project attached as Annexure-1B.**
- iii. Acceptance of Commercial Terms by vendor as per **Annexure-3.**
- iv. Deviation with reference to specification to be laid down on separate sheet.
- v. Copy of price bid (without price) as per price bid format attached. Please write "QUOTED" in cells where prices are quoted.
Evaluation of the Offer will be done (project-wise) on the basis of Individual Item Landed cost upto 700 MW Bellary TPS, Unit-3 (Karnataka, India) site & Individual Item Landed cost upto 800 MW Yeramarus TPS, Unit-1 (Karnataka, India) site. Kindly quote your offer accordingly.
Kindly specify the taxes i.e. Excise duty and CST/VAT as applicable on each chemical. Transit insurance will be in the scope of BHEL.
- vi. The rating of the company quoting for this tender from a third party (independent agency) preferably by M/s Dun & Bradstreet should be submitted. (DUNS NUMBER). **Compliance of this clause is mandatory in case of foreign supplier. Indigenous suppliers to submit the copy of balance sheets for last three years in absence of DNB / third agency report.**
- vii. The Supplier Registration Form (SRF) duly filled-up for assessing manufacturing capability, quality systems being followed, organizational soundness and financial worthiness. Supplier Registration Form can be downloaded from www.bhel.com. BHEL registered vendors (registered with permanent code M, N, S) need not to submit SRF. For vendors registered with T code, SRF is to be submitted essentially along with the offer.
- viii. Any additional documents (please specify).

Clause 1.2

The Part -II (Envelop -II) Price Bid shall comprise the following:

- i. The Price Bid (with price) as per Price Format attached as Annexure-2A & Annexure-2B
If price bid is not submitted along with Part-I bid, the offer will be rejected out rightly.

Note:

1. Prices are to be indicated in both figures and words. In case of any discrepancy of value the prices quoted in words shall be considered for evaluation and establishing L1 status.
2. Evaluation of the tender will be done (project-wise) on the basis of Individual Item Landed cost upto 700 MW Bellary TPS, Unit-3 (Karnataka, India) site & Individual Item Landed cost upto 800 MW Yeramarus TPS, Unit-1 (Karnataka, India) site. For evaluation of foreign bids, exchange rate (TT selling rate of SBI) as on scheduled date of tender opening (Part-I bid opening) shall be considered. If the relevant day happens to be a bank holiday, then the Forex rate as on the previous bank (SBI) working day shall be taken.
3. **Indigenous suppliers:** Please quote for each chemical on FOR destination basis. However, the insurance will be arranged by BHEL. You can dispatch goods through any Indian Bank Association approved transporters having their branch at destination. For your convenience the names and addresses of transporters approved by IBA & BHEL are posted at our website <http://www.bhelhwr.co.in>. If any bidder still quotes on other than FOR destination basis then his offer will be loaded by the maximum freight, packing & forwarding charges quoted by any other bidder from the same or nearby station, against the enquiry/freight rate available BHEL.
4. **Foreign Suppliers:** The prices are to be quoted on C&F Mumbai basis. The bids will be evaluated on C&F basis. The bidder who quotes on other than C&F Mumbai basis then his offer will be loaded by the

maximum freight, packing & forwarding charges quoted by any other bidder from the same or nearby Airport against the enquiry /freight rate available with BHEL. Further non-availability of Airplane will not be accepted for rescheduling the delivery or waiver of penalties. Loading Airport must be mentioned.

5. Insurance during transportation shall be taken care of by BHEL.
6. Applicable sales Tax, Excise duty, service tax, educational cess and any other statutory levy should be indicated separately and clearly in the quotation.
7. The comparison between Foreign and Indigenous bids shall be done (project-wise) based on the **Individual Item Landed Cost at destinations i.e. 700 MW Bellary TPS, Unit-3 (Karnataka, India) site & 800 MW Yeramarus TPS, Unit-1 (Karnataka, India) site.**

Clause 2.0: Tender Opening

1. Offer should be complete in all respect (i.e. Part-I & Part-II) as described below :

Part-I : Part-I bid (Envelope-I) comprising EMD, Tender Fee or MSE Certificate towards exemption of EMD & Tender fee, Techno-commercial bid and Supplier Registration Form (SRF) alongwith copy of desired documents as required in the form.

Part-II: Part-II bid (Envelop-II) comprising Price Bid as per Price bid format attached (Annexure-2A & 2B).

2. The tenders shall be opened in **TWO PARTS (Part-I & Part-II)** as described below :

1. Part-I containing EMD, Tender Fee or MSE Certificate towards exemption of EMD & Tender fee, Techno-commercial bid and SRF will be opened on the date and time specified in the tender cover page, in the presence of those vendors, who wish to attend the tender opening.
2. Part-II containing Price Bid will be opened on a separate date for those vendors who have qualified in the Part-I. The opening date of Part-II will be intimated in advance to the vendors qualified in Part-I bid.
3. In the event of BHEL calling for supplementary bid, the Part-II Price bid alongwith supplementary Price bid (if necessary) will be opened at a later date of only those bidders who have qualified in the Part-I bid. The opening date of Part-II along with supplementary price bid (if necessary) will be intimated in advance to the vendors qualified in Part-I bid.

BHEL reserves the right to evaluate vendor's process capability / quality systems etc. by visiting vendor works (if required)

Note:

After tender opening (Part-I), if it is found that:

1. **The bidder has not submitted the requisite Tender Fee & EMD.**
2. **The bidder has claimed to be an MSE vendor but no supporting documents have been submitted in this regard.**

In both the above cases the offer of the bidder shall be straightaway rejected and no correspondence from the bidder in this regard shall be entertained.

However, offer of the bidder shall be treated as per the guideline mentioned in the Clause No. 1. (a) 1 above in case the bidder has claimed to be an MSE vendor and submitted requisite MSE documents.

Clause 2.1

BHEL reserves the rights to place order for tendered quantity on more than one vendor.

Clause 3.0: Superscription on envelopes

The following shall be super scribed on the envelopes:

PART-I

1. TENDER NO. & DUE DATE OF PART-I OPENING.
2. ITEM DESCRIPTION AS "LABORATORY CHEMICALS"
3. TENDER FEE OR MSE CERTIFICATE TOWARDS EXEMPTION OF TENDER FEE
4. TECHNO-COMMERCIAL BID
5. SUPPLIER REGISTRATION FORM (SRF)

PART-II

1. TENDER NO. & DUE DATE OF PART-I OPENING.
2. ITEM DESCRIPTION AS "LABORATORY CHEMICALS"
3. PRICE BID

Clause 3.1

The Part-I & Part-II shall be individually sealed and super scribed as indicated above and shall be enclosed further in the envelop duly sealed and superscribed as:

"TENDER FOR (LABORATORY CHEMICALS) AGAINST TENDER NO. _____ DUE ON _____ CONTAINING PART-I & PART-II OF THIS OFFER." Vendor's full name and address should be clearly mentioned on **the envelope and shall be addressed to:**

To,

**Head of Materials Management,
Heavy Electrical Equipment Plant, BHEL,
Ranipur, Haridwar- 249403**

Clause 3.2

Envelopes not marked as above are liable to be ignored and will not be opened.

Clause No. 4

As per directives of CENTRAL VIGILANCE COMMISSION, GOVERNMENT OF INDIA, one agent can not represent two or more suppliers or quote on their behalf in a particular tender. If so found at any stage, BHEL Haridwar is likely to cancel Enquiries / POs to such suppliers. Further, such Indian Agent is likely to be de-listed (Black listed for business from BHEL)

Clause No. 5

The offers of the bidders who are on the banned list and also the offer of the bidders, who engage the services of the banned firm, shall be rejected. The list of banned firms is available on BHEL website www.bhel.com

Clause No. 6

SETTLEMENT OF DISPUTES: Indigenous Vendors: In all cases of dispute the matter shall be referred for arbitration to any arbitrator to be appointed by the Executive Director or any officer who is the administrative head of Bharat Heavy Electricals Ltd., at Haridwar. The venue of arbitration shall invariably be Ranipur Haridwar. The award of the arbitrator shall be final and binding on both the parties. The arbitrator shall have the power to extend, from time to time, the time for making his award with the consent of the parties.

Foreign Vendors: In the event of any dispute or difference arising between the parties to this contract regarding execution of same or their respective rights and liabilities there under, the same shall except as otherwise expressly provided therein, be referred to the arbitration of the two arbitrators, one to be appointed by each party; or in the case of the said arbitrators not agreeing then an umpire to be appointed by the two arbitrators in writing before entering on that reference and provisions of the Indian Arbitration Act ,1940 or any statutory notification, or re-enactment therefore and rules framed there under from time to time shall apply to such arbitration . If the two arbitrators do not agree on the appointment of umpire, the nomination of the umpire shall be done by the International Chamber of Commerce, Paris(France).The decision of arbitrators, or in case of their not agreeing, that of the said umpire shall be binding both on seller and purchaser. The venue of the arbitration invariably be New Delhi, India.


JURISDICTION: All question, dispute or differences arising under, out of or in connection with the purchase order shall be subject to the exclusive jurisdiction of Haridwar courts.

OVER RIDING CLAUSE: All stipulations made in any correspondence other than those exchanged in regards to “instruction” in our tender documents / enquiry for submission of your offer, if at all shall be void to the extent they are repugnant to the conditions contained herein above and in the purchase order.

FINALITY OF MANAGEMENT DECISION: At all places in the preceding clauses BHEL Management’s decision shall be final.

FOR & ON BEHALF OF BHEL, HARIDWAR

Engineer (PCRI-BOI)

| दिनांक एवं तिथि SIGN & DATE |  | | उत्पाद क्रय विनिर्देश | | PR00470 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|---|-----------------------------------|--|--------|---------------|------------------|----------|---|--------------|---------------------|----------|---|--------------|---------|---------|---|--------------|-------------------------------|---------|---|--------------|-----------------------|---------|---|--------------|----------------------------------|---------|---|--------------|-------------------------|---------|---|--------------|-------------------|------|---|--------------|----------------------------------|-------|---|--------------|--|--------|----|--------------|------------------|------|----|--------------|----------------|------|----|--------------|---------------------------------------|--------|----|--------------|-----------------|------|----|--------------|---------|---------|----|--------------|-----------------------------|--------|----|--------------|----------------------|---------|----|--------------|------------------------------|--------|----|--------------|---|--------|----|--------------|--|--------|----|--------------|-------------|-------|----|--------------|--|---------|----|--------------|--------------------|------|----|--------------|-----------------|------|----|--------------|----------------------|------|----|--------------|--------------------------------------|------|----|--------------|---------------------|---------|----|--------------|--|---------|----|--------------|------------------------------------|------|----|--------------|---------------------------|------|----|--------------|---------------------------|------|----|--------------|----------------|------|
| | | | पृष्ठ | 5 का 1 | Page | 1 of 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRODUCT PURCHASE SPECIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LABORATORY REAGENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VENDORS SHOULD QUOTE ALL CHEMICALS OF AR/GR/ER/EXCELAR GRADE. VENDORS SHOULD ALSO SPECIFY THE MAKE OFFERED AGAINST EACH CHEMICAL. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>S. No.</th> <th>Material Code</th> <th>Name of Chemical</th> <th>Quantity</th> </tr> </thead> <tbody> <tr><td>1</td><td>D55995010182</td><td>Acetic Acid Glacial</td><td>7.5 ltrs</td></tr> <tr><td>2</td><td>D55995010239</td><td>Acetone</td><td>10 ltrs</td></tr> <tr><td>3</td><td>D55995236393</td><td>Alpha Naphthol Sulphonic Acid</td><td>200 gms</td></tr> <tr><td>4</td><td>D55995236210</td><td>Alkali Blue Indicator</td><td>100 gms</td></tr> <tr><td>5</td><td>D55995010433</td><td>Ammonia Solution about 25 % Pure</td><td>25 ltrs</td></tr> <tr><td>6</td><td>D55995017675</td><td>Ammonia Buffer Solution</td><td>20 ltrs</td></tr> <tr><td>7</td><td>D55995010514</td><td>Ammonium Chloride</td><td>6 kg</td></tr> <tr><td>8</td><td>D55995010638</td><td>Ammonium Molybdate Excelar Grade</td><td>20 kg</td></tr> <tr><td>9</td><td>D55995235796</td><td>Ammonium Purpurate (Mureoxide) Indicator</td><td>40 gms</td></tr> <tr><td>10</td><td>D55995011626</td><td>Calcium Chloride</td><td>1 Kg</td></tr> <tr><td>11</td><td>D55995236229</td><td>Amylum Soluble</td><td>2 kg</td></tr> <tr><td>12</td><td>D55995236237</td><td>Aluminium for estimation of Aluminium</td><td>20 gms</td></tr> <tr><td>13</td><td>D55995011006</td><td>Barium Chloride</td><td>4 kg</td></tr> <tr><td>14</td><td>D55995011111</td><td>Benzene</td><td>10 ltrs</td></tr> <tr><td>15</td><td>D55995011405</td><td>Bromocresol Green Indicator</td><td>20 gms</td></tr> <tr><td>16</td><td>D55995011758</td><td>Carbon Tetrachloride</td><td>1000 ml</td></tr> <tr><td>17</td><td>D55995010280</td><td>Bromocresol Purple Indicator</td><td>10 gms</td></tr> <tr><td>18</td><td>D55995236245</td><td>Calgon (Indicator) for Hardness Determination</td><td>25 gms</td></tr> <tr><td>19</td><td>D55995019287</td><td>Chlortex Reagent for Determination of Chlorine Content</td><td>3 ltrs</td></tr> <tr><td>20</td><td>D55995011936</td><td>Citric Acid</td><td>20 kg</td></tr> <tr><td>21</td><td>D55995014102</td><td>Concentrated Nitric Acid (Concentration 69 to 72%)</td><td>10 ltrs</td></tr> <tr><td>22</td><td>D55995236253</td><td>Cobaltous Chloride</td><td>2 kg</td></tr> <tr><td>23</td><td>D55995012096</td><td>Copper Sulphate</td><td>3 kg</td></tr> <tr><td>24</td><td>D55995012290</td><td>Dextrose (D-Glucose)</td><td>4 kg</td></tr> <tr><td>25</td><td>D55995019384</td><td>Di-Potassium Hydrogen Orthophosphate</td><td>2 kg</td></tr> <tr><td>26</td><td>D55995236261</td><td>EDTA Solution 0.02N</td><td>12 ltrs</td></tr> <tr><td>27</td><td>D55995012541</td><td>Erichrome Black T (Solochrome Black) Indicator</td><td>200 gms</td></tr> <tr><td>28</td><td>D55995012517</td><td>Ethylene Diamine Tetra Acetic Acid</td><td>2 kg</td></tr> <tr><td>29</td><td>D55995012614</td><td>Ferric Chloride Anhydrous</td><td>2 kg</td></tr> <tr><td>30</td><td>D55995017861</td><td>Ferrous Ammonium Sulphate</td><td>3 kg</td></tr> <tr><td>31</td><td>D55995236270</td><td>Fusion Mixture</td><td>2 kg</td></tr> </tbody> </table> | | | | | | | S. No. | Material Code | Name of Chemical | Quantity | 1 | D55995010182 | Acetic Acid Glacial | 7.5 ltrs | 2 | D55995010239 | Acetone | 10 ltrs | 3 | D55995236393 | Alpha Naphthol Sulphonic Acid | 200 gms | 4 | D55995236210 | Alkali Blue Indicator | 100 gms | 5 | D55995010433 | Ammonia Solution about 25 % Pure | 25 ltrs | 6 | D55995017675 | Ammonia Buffer Solution | 20 ltrs | 7 | D55995010514 | Ammonium Chloride | 6 kg | 8 | D55995010638 | Ammonium Molybdate Excelar Grade | 20 kg | 9 | D55995235796 | Ammonium Purpurate (Mureoxide) Indicator | 40 gms | 10 | D55995011626 | Calcium Chloride | 1 Kg | 11 | D55995236229 | Amylum Soluble | 2 kg | 12 | D55995236237 | Aluminium for estimation of Aluminium | 20 gms | 13 | D55995011006 | Barium Chloride | 4 kg | 14 | D55995011111 | Benzene | 10 ltrs | 15 | D55995011405 | Bromocresol Green Indicator | 20 gms | 16 | D55995011758 | Carbon Tetrachloride | 1000 ml | 17 | D55995010280 | Bromocresol Purple Indicator | 10 gms | 18 | D55995236245 | Calgon (Indicator) for Hardness Determination | 25 gms | 19 | D55995019287 | Chlortex Reagent for Determination of Chlorine Content | 3 ltrs | 20 | D55995011936 | Citric Acid | 20 kg | 21 | D55995014102 | Concentrated Nitric Acid (Concentration 69 to 72%) | 10 ltrs | 22 | D55995236253 | Cobaltous Chloride | 2 kg | 23 | D55995012096 | Copper Sulphate | 3 kg | 24 | D55995012290 | Dextrose (D-Glucose) | 4 kg | 25 | D55995019384 | Di-Potassium Hydrogen Orthophosphate | 2 kg | 26 | D55995236261 | EDTA Solution 0.02N | 12 ltrs | 27 | D55995012541 | Erichrome Black T (Solochrome Black) Indicator | 200 gms | 28 | D55995012517 | Ethylene Diamine Tetra Acetic Acid | 2 kg | 29 | D55995012614 | Ferric Chloride Anhydrous | 2 kg | 30 | D55995017861 | Ferrous Ammonium Sulphate | 3 kg | 31 | D55995236270 | Fusion Mixture | 2 kg |
| S. No. | Material Code | Name of Chemical | Quantity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | D55995010182 | Acetic Acid Glacial | 7.5 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | D55995010239 | Acetone | 10 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | D55995236393 | Alpha Naphthol Sulphonic Acid | 200 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | D55995236210 | Alkali Blue Indicator | 100 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | D55995010433 | Ammonia Solution about 25 % Pure | 25 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | D55995017675 | Ammonia Buffer Solution | 20 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | D55995010514 | Ammonium Chloride | 6 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | D55995010638 | Ammonium Molybdate Excelar Grade | 20 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | D55995235796 | Ammonium Purpurate (Mureoxide) Indicator | 40 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | D55995011626 | Calcium Chloride | 1 Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | D55995236229 | Amylum Soluble | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | D55995236237 | Aluminium for estimation of Aluminium | 20 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | D55995011006 | Barium Chloride | 4 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | D55995011111 | Benzene | 10 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | D55995011405 | Bromocresol Green Indicator | 20 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | D55995011758 | Carbon Tetrachloride | 1000 ml | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | D55995010280 | Bromocresol Purple Indicator | 10 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | D55995236245 | Calgon (Indicator) for Hardness Determination | 25 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | D55995019287 | Chlortex Reagent for Determination of Chlorine Content | 3 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | D55995011936 | Citric Acid | 20 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | D55995014102 | Concentrated Nitric Acid (Concentration 69 to 72%) | 10 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | D55995236253 | Cobaltous Chloride | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | D55995012096 | Copper Sulphate | 3 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | D55995012290 | Dextrose (D-Glucose) | 4 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | D55995019384 | Di-Potassium Hydrogen Orthophosphate | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | D55995236261 | EDTA Solution 0.02N | 12 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | D55995012541 | Erichrome Black T (Solochrome Black) Indicator | 200 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | D55995012517 | Ethylene Diamine Tetra Acetic Acid | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | D55995012614 | Ferric Chloride Anhydrous | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | D55995017861 | Ferrous Ammonium Sulphate | 3 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | D55995236270 | Fusion Mixture | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>संशोधक एवं गोपनीय इस प्रयोग में दी गई सूचना भारत की इलेक्ट्रिकल की संपत्ति है इसका प्रयोग एवं आचरण इस तंत्र प्रयोग, जो कि कंपनी के हित में होना चाहिए।</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>सुरक्षा और तिथि SIGN & DATE</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>संशोधक INVENTORY NO.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| सहमत विभाग AGREED DEPTT. | | नाम NAME | दिनांक एवं हस्ताक्षर DATE & SIGNATURE | निर्माणा WORKED BY | नाम NAME | दिनांक एवं हस्ताक्षर SIGNATURE & DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | जांचकर्ता CHECKED BY | S.K. Mishra | <i>S.K. Mishra</i> 17/11/15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | पर्यवेक्षणकर्ता SUPERVISED BY | Dr. S. Bhatnagar | <i>Dr. S. Bhatnagar</i> 17/11/15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | स्वीकृति APPROVED : Dr. N.G. Shrivastava | <i>Dr. N.G. Shrivastava</i> | <i>Dr. N.G. Shrivastava</i> 17/11/15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REV.NO. | 00 | | | निर्माण PREPARED : S.K. Mishra | जारी ISSUED : Dr. S. Bhatnagar | दिनांक DATE : 17.11.2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dt. | 17.11.2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| हस्ताक्षर एवं तिथि SIGN & DATE | उत्पाद क्रय विनिर्देश PRODUCT PURCHASE SPECIFICATION | | PR00470 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---------------------------|------------------|-------------------------------------|--------|---------------|------------------|----------|----|--------------|----------|---------|----|--------------|----------|------|----|--------------|-------------------------------|---------|----|--------------|--------------------|------|----|--------------|-----------------------|--------|----|--------------|-------------------------------------|--------|----|--------------|-----------------------------|------|----|--------------|----------------------------|---------|----|--------------|-------------------|---------|----|--------------|--------------|------|----|--------------|--------------------|------|----|--------------|---------|------|----|--------------|-------------------|------|----|--------------|----------|---------|----|--------------|-------------------------|---------|----|--------------|----------------------|---------|----|--------------|---|--------|----|--------------|----------------------|------|----|--------------|----------------------|--------|----|--------------|----------------------------------|---------|----|--------------|-----------------|--------|----|--------------|------------------------|---------|----|--------------|---|----------|----|--------------|--------------------|------|----|--------------|-----------------------|--------|----|--------------|-----------------------------|------|----|--------------|----------------------------------|-------|----|--------------|------------------|------|----|--------------|----------------------------|------|----|--------------|---------------------------------|------|----|--------------|----------------------------|-------|----|--------------|------------------------|------|----|--------------|----------------------------|------|----|--------------|----------------|---------|----|--------------|-----------------|------|----|--------------|----------------|------|----|--------------|----------------------------|------|
| | | | पृष्ठ Page | 5 2 | का of | 2 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| संशोधन संस्था की INVENTORY NO. | <table border="1"> <thead> <tr> <th>S.No.</th> <th>Material Code</th> <th>Name of Chemical</th> <th>Quantity</th> </tr> </thead> <tbody> <tr><td>32</td><td>D55995019422</td><td>Glycerol</td><td>10 ltrs</td></tr> <tr><td>33</td><td>D55995012894</td><td>Hexamine</td><td>1 kg</td></tr> <tr><td>34</td><td>D55995012967</td><td>Hydrochloric Acid, Sp.Gr.1.18</td><td>40 ltrs</td></tr> <tr><td>35</td><td>D55995018760</td><td>Hydrazine Sulphate</td><td>1 kg</td></tr> <tr><td>36</td><td>D55995012975</td><td>Hydrofluoric acid 48%</td><td>3 ltrs</td></tr> <tr><td>37</td><td>D55995012983</td><td>Hydrogen Peroxide Purified 30 % W/V</td><td>4 ltrs</td></tr> <tr><td>38</td><td>D55995017969</td><td>Hydroxylamine Hydrochloride</td><td>2 kg</td></tr> <tr><td>39</td><td>D55995017799</td><td>Indigo Carmine (Indicator)</td><td>200 gms</td></tr> <tr><td>40</td><td>D55995013068</td><td>Iodine Resublimed</td><td>800 gms</td></tr> <tr><td>41</td><td>D55995013270</td><td>Lead Nitrate</td><td>1 kg</td></tr> <tr><td>42</td><td>D55995018000</td><td>Manganous Chloride</td><td>1 kg</td></tr> <tr><td>43</td><td>D55995013718</td><td>Mercury</td><td>3 kg</td></tr> <tr><td>44</td><td>D55995013610</td><td>Mercuric Chloride</td><td>2 kg</td></tr> <tr><td>45</td><td>D55995013769</td><td>Methanol</td><td>30 ltrs</td></tr> <tr><td>46</td><td>D55995018035</td><td>Methyl Orange Indicator</td><td>500 gms</td></tr> <tr><td>47</td><td>D55995013831</td><td>Methyl Red Indicator</td><td>100 gms</td></tr> <tr><td>48</td><td>D55995013963</td><td>N-1 Naphthyl Ethylene Diamine Dihydrochloride</td><td>20 gms</td></tr> <tr><td>49</td><td>D55995014226</td><td>Oxalic Acid Purified</td><td>3 kg</td></tr> <tr><td>50</td><td>D55995235559</td><td>Ortho Phenanthroline</td><td>50 gms</td></tr> <tr><td>51</td><td>D55995019236</td><td>Para-Dimethyl-Amino-Benzaldehyde</td><td>500 gms</td></tr> <tr><td>52</td><td>D55995014358</td><td>Perchloric Acid</td><td>4 ltrs</td></tr> <tr><td>53</td><td>D55995018140</td><td>Phenolphthalein Powder</td><td>500 gms</td></tr> <tr><td>54</td><td>D55995014439</td><td>pH Indicator Paper Wide Range in Boxes of Booklet Range 2 to 10.5</td><td>20 boxes</td></tr> <tr><td>55</td><td>D55995014803</td><td>Potassium Chromate</td><td>2 kg</td></tr> <tr><td>56</td><td>D55995014846</td><td>Potassium Di-Chromate</td><td>2.5 kg</td></tr> <tr><td>57</td><td>D55995014773</td><td>Potassium Chloride Purified</td><td>3 kg</td></tr> <tr><td>58</td><td>D55995014960</td><td>Potassium Hydroxide Pure Pellets</td><td>20 kg</td></tr> <tr><td>59</td><td>D55995014994</td><td>Potassium Iodide</td><td>6 kg</td></tr> <tr><td>60</td><td>D55995015028</td><td>Potassium Nitrate Purified</td><td>2 kg</td></tr> <tr><td>61</td><td>D55995015052</td><td>Potassium Permanganate Purified</td><td>2 kg</td></tr> <tr><td>62</td><td>D55995236407</td><td>Potassium Meta Bi-sulphite</td><td>10 kg</td></tr> <tr><td>63</td><td>D55995015230</td><td>Pyrogallol (Qualigens)</td><td>2 kg</td></tr> <tr><td>64</td><td>D55995236288</td><td>Silica Gel Indicating Type</td><td>2 kg</td></tr> <tr><td>65</td><td>D55995015443</td><td>Silver Nitrate</td><td>500 gms</td></tr> <tr><td>66</td><td>D55995015400</td><td>Silicone Grease</td><td>1 kg</td></tr> <tr><td>67</td><td>D55995015516</td><td>Sodium Acetate</td><td>3 kg</td></tr> <tr><td>68</td><td>D55995015664</td><td>Sodium Carbonate Anhydrous</td><td>2 kg</td></tr> </tbody> </table> | | | | | S.No. | Material Code | Name of Chemical | Quantity | 32 | D55995019422 | Glycerol | 10 ltrs | 33 | D55995012894 | Hexamine | 1 kg | 34 | D55995012967 | Hydrochloric Acid, Sp.Gr.1.18 | 40 ltrs | 35 | D55995018760 | Hydrazine Sulphate | 1 kg | 36 | D55995012975 | Hydrofluoric acid 48% | 3 ltrs | 37 | D55995012983 | Hydrogen Peroxide Purified 30 % W/V | 4 ltrs | 38 | D55995017969 | Hydroxylamine Hydrochloride | 2 kg | 39 | D55995017799 | Indigo Carmine (Indicator) | 200 gms | 40 | D55995013068 | Iodine Resublimed | 800 gms | 41 | D55995013270 | Lead Nitrate | 1 kg | 42 | D55995018000 | Manganous Chloride | 1 kg | 43 | D55995013718 | Mercury | 3 kg | 44 | D55995013610 | Mercuric Chloride | 2 kg | 45 | D55995013769 | Methanol | 30 ltrs | 46 | D55995018035 | Methyl Orange Indicator | 500 gms | 47 | D55995013831 | Methyl Red Indicator | 100 gms | 48 | D55995013963 | N-1 Naphthyl Ethylene Diamine Dihydrochloride | 20 gms | 49 | D55995014226 | Oxalic Acid Purified | 3 kg | 50 | D55995235559 | Ortho Phenanthroline | 50 gms | 51 | D55995019236 | Para-Dimethyl-Amino-Benzaldehyde | 500 gms | 52 | D55995014358 | Perchloric Acid | 4 ltrs | 53 | D55995018140 | Phenolphthalein Powder | 500 gms | 54 | D55995014439 | pH Indicator Paper Wide Range in Boxes of Booklet Range 2 to 10.5 | 20 boxes | 55 | D55995014803 | Potassium Chromate | 2 kg | 56 | D55995014846 | Potassium Di-Chromate | 2.5 kg | 57 | D55995014773 | Potassium Chloride Purified | 3 kg | 58 | D55995014960 | Potassium Hydroxide Pure Pellets | 20 kg | 59 | D55995014994 | Potassium Iodide | 6 kg | 60 | D55995015028 | Potassium Nitrate Purified | 2 kg | 61 | D55995015052 | Potassium Permanganate Purified | 2 kg | 62 | D55995236407 | Potassium Meta Bi-sulphite | 10 kg | 63 | D55995015230 | Pyrogallol (Qualigens) | 2 kg | 64 | D55995236288 | Silica Gel Indicating Type | 2 kg | 65 | D55995015443 | Silver Nitrate | 500 gms | 66 | D55995015400 | Silicone Grease | 1 kg | 67 | D55995015516 | Sodium Acetate | 3 kg | 68 | D55995015664 | Sodium Carbonate Anhydrous | 2 kg |
| S.No. | Material Code | Name of Chemical | Quantity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | D55995019422 | Glycerol | 10 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | D55995012894 | Hexamine | 1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34 | D55995012967 | Hydrochloric Acid, Sp.Gr.1.18 | 40 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | D55995018760 | Hydrazine Sulphate | 1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36 | D55995012975 | Hydrofluoric acid 48% | 3 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | D55995012983 | Hydrogen Peroxide Purified 30 % W/V | 4 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38 | D55995017969 | Hydroxylamine Hydrochloride | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | D55995017799 | Indigo Carmine (Indicator) | 200 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | D55995013068 | Iodine Resublimed | 800 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | D55995013270 | Lead Nitrate | 1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | D55995018000 | Manganous Chloride | 1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | D55995013718 | Mercury | 3 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | D55995013610 | Mercuric Chloride | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | D55995013769 | Methanol | 30 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | D55995018035 | Methyl Orange Indicator | 500 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | D55995013831 | Methyl Red Indicator | 100 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | D55995013963 | N-1 Naphthyl Ethylene Diamine Dihydrochloride | 20 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | D55995014226 | Oxalic Acid Purified | 3 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | D55995235559 | Ortho Phenanthroline | 50 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | D55995019236 | Para-Dimethyl-Amino-Benzaldehyde | 500 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | D55995014358 | Perchloric Acid | 4 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | D55995018140 | Phenolphthalein Powder | 500 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | D55995014439 | pH Indicator Paper Wide Range in Boxes of Booklet Range 2 to 10.5 | 20 boxes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | D55995014803 | Potassium Chromate | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | D55995014846 | Potassium Di-Chromate | 2.5 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | D55995014773 | Potassium Chloride Purified | 3 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | D55995014960 | Potassium Hydroxide Pure Pellets | 20 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | D55995014994 | Potassium Iodide | 6 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | D55995015028 | Potassium Nitrate Purified | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | D55995015052 | Potassium Permanganate Purified | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | D55995236407 | Potassium Meta Bi-sulphite | 10 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | D55995015230 | Pyrogallol (Qualigens) | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | D55995236288 | Silica Gel Indicating Type | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | D55995015443 | Silver Nitrate | 500 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | D55995015400 | Silicone Grease | 1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | D55995015516 | Sodium Acetate | 3 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | D55995015664 | Sodium Carbonate Anhydrous | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| संशोधन संस्था की INVENTORY NO. | REV.NO. | 00 | निर्माणकर्ता WORKED BY | S.K. Mishra | <i>S.K. Mishra</i> 17/11/15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | जांचकर्ता CHECKED BY | Dr. S. Bhatnagar | <i>Dr. S. Bhatnagar</i> 17/11/15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

हस्ताक्षर एवं तिथि
SIGN & DATE

उत्पाद क्रय विनिर्देश

PR00470

| | | | |
|-------|---|----|---|
| पृष्ठ | 5 | का | 2 |
| Page | 2 | of | 5 |

PRODUCT PURCHASE SPECIFICATION

संशोधन संस्था की
INVENTORY NO.संशोधन संस्था की
अधिकारिता

COPYRIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.

स्वाधिका, एवं गोपनीय

इस प्रलेख में दी गई सूचना भारत भारती इलेक्ट्रिकल्स की संपत्ति है इसका प्रकाश एवं उपयोग इस से किसी भी तरह प्रयोग, जो कि कंपनी के हित में अनिश्चित हो न किया जाए।

हस्ताक्षर एवं तिथि
SIGN & DATEसंशोधन संस्था
INVENTORY NO.


REV.NO. 00

निर्माणकर्ता
WORKED BY

S.K. Mishra


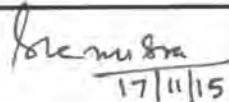
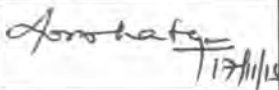
जांचकर्ता
CHECKED BY


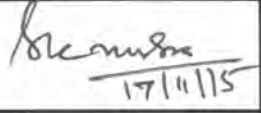
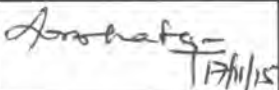
Dr. S. Bhatnagar


| दिनांक एवं SIGN & DATE |  | उत्पाद क्रय विनिर्देश | | | PR00470 | | | |
|---|---|--------------------------------|---------------|--|----------------------------|------|---------------------------------|----|
| | | पृष्ठ | 5 | का | 3 | Page | 3 | of |
| SUPERSEDES INVENTORY NO | | PRODUCT PURCHASE SPECIFICATION | | | | | | |
| गणनी सूची संख्या की अंशबद्धता अंश है | | S.No. | Material Code | Name of Chemical | Quantity | | | |
| | | 69 | D55995019368 | Sodium Hydroxide Pellets Purified | 10 kg | | | |
| | | 70 | D55995015672 | Sodium Chloride Crystal Pure | 4 kg | | | |
| | | 71 | D55995015745 | Sodium Di-Ethyl-Dithio-Carbamate | 500 gms | | | |
| | | 72 | D55995015966 | Sodium Nitrate | 1500 gms | | | |
| | | 73 | D55995016121 | Sodium Thio Suphate | 3 kg | | | |
| | | 74 | D55995019210 | Sodium Potassium Tartrate | 2 kg | | | |
| | | 75 | D55995016075 | Sodium Sulphate | 2 kg | | | |
| | | 76 | D55995019490 | Sulphuric Acid, Sp.Gr. 1.84 | 25 ltrs | | | |
| | | 77 | D55995236296 | Sulphosalicylic Acid | 1 kg | | | |
| | | 78 | D55995236300 | Sulphanilic Acid | 500 gms | | | |
| | | 79 | D55995236318 | Tin Granule | 500 gms | | | |
| | | 80 | D55995016539 | Toluene Rectified | 10 ltrs | | | |
| | | 81 | D55995018728 | Universal Indicator | 11 ltrs | | | |
| | | 82 | D55995016814 | Xylene Rectified | 15 ltrs | | | |
| | | 83 | D55995016806 | Xylenol Orange Indicator | 40 gms | | | |
| | | 84 | D55995016709 | Zinc Granule Reagent Grade | 1kg | | | |
| | | 85 | D55995236326 | Filter Paper Whatman No-1 Make GF/A Sheets, Packed in Boxes of 100 Sheets, Size 203 x 254 mm | 8 boxes | | | |
| | | 86 | D55995236334 | Filter Paper Whatman Make, 15 cm dia. No.40 size | 6 boxes | | | |
| | | 87 | D55995236342 | Filter Paper Whatman Make, 15 cm dia. No.41 size | 6 boxes | | | |
| | | 88 | D55995236350 | Filter Paper Whatman Make, 15 cm dia. No.42 size | 6 boxes | | | |
| | | 89 | D55995014153 | Ortho Phosphoric Acid | 5ltrs | | | |
| | | 90 | D55995011600 | Calcium acetate | 500 gms | | | |
| | | 91 | D55995017543 | Sulphanilamide | 500 gms | | | |
| | | 92 | D55995011499 | pH Buffer Tablets 4 | 5 packs of each 10 tablets | | | |
| | | 93 | D55995011502 | pH Buffer Tablets 7 | 5 packs of each 10 tablets | | | |
| | | 94 | D55995011480 | pH Buffer Tablets 9.2 | 5 packs of each 10 tablets | | | |
| | | 95 | D55995236369 | Buffer Solution pH 10 | 500 ml | | | |
| | | 96 | D55995011634 | Anhydrous Calcium Chloride Fused | 20 gms | | | |
| | | 97 | D55995236377 | Thorium Nitrate | 250 gms | | | |
| | | 98 | D55995014730 | Potassium Bromate | 500 gms | | | |
| | | 99 | D55995014749 | Potassium Bromide | 500 gms | | | |
| गणनी सूची संख्या INVENTORY NO. | REV.NO. | 00 | | निर्माणकर्ता WORKED BY | S.K. Mishra | | <i>S.K. Mishra</i> 17/11/15 | |
| | | | | जांचकर्ता CHECKED BY | Dr. S. Bhatnagar | | <i>S. Bhatnagar</i> 17/11/15 | |

COPYRIGHT AND CONFIDENTIAL
The information on this document 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.

स्वतंत्रता, गुणवत्ता एवं गोपनीय
इस दस्तावेज में दी गई सूचना भारत भारी इलेक्ट्रिकल्स की संपत्ति है इसका प्रयोग एवं प्रकाशन इस से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए।

| दिनांक एवं हस्ताक्षर SIGN & DATE |  | | उत्पाद क्रय विनिर्देश | | PR00470 | |
|---|--|----|--------------------------------|------------------|---|--------|
| | | | पृष्ठ | 5 | का | 4 |
| SUPERSEDES INVENTORY NO. | | | PRODUCT PURCHASE SPECIFICATION | | Page | 4 of 5 |
| सामग्री सूची संख्या को अधिष्ठापित करना है | <p>2.0 General Terms & Conditions</p> <p>Clause 2.1 : ITEM NOS. 9, 15, 17, 50 & 83 REQUIRED IN 5 GM PACK.</p> <p>Clause 2.2 : ITEM NO. 48 REQUIRED IN 10 GM PACK.</p> <p>Clause 2.3 : ITEM NOS. 12 & 96 REQUIRED IN 20 GM PACK.</p> <p>Clause 2.4 : ITEM NOS. 3, 4, 18, 27, 39, 46 & 47 REQUIRED IN 25 GM PACK.</p> <p>Clause 2.5 : ITEM NO. 53 REQUIRED IN 50 GM PACK.</p> <p>Clause 2.6 : ITEM NOS. 38, 40, 51, 59, 63, 65, 66, 71 & 78 REQUIRED IN 100 GM PACK.</p> <p>Clause 2.7 : ITEM NOS. 43, 44, 77 & 97 REQUIRED IN 250 GM PACK.</p> <p>Clause 2.8 : ITEM NOS. 7, 10, 11, 13, 20, 22, 23, 24, 25, 28, 29, 30, 31, 33, 35, 41, 42, 49, 55, 56, 57, 58, 60, 61, 62, 64, 67, 68, 69, 70, 72, 73, 74, 75, 79, 84, 90, 91 98 & 99 REQUIRED IN 500 GM PACK.</p> <p>Clause 2.9 : ITEM NO. 8 REQUIRED IN 1 KG PACK.</p> <p>Clause 2.10 : ITEM NOS. 19 & 81 REQUIRED IN 100 ML PACK.</p> <p>Clause 2.11 : 15.ITEM NOS. 6, 16, 26, 36, 37, 45, 52, 80, 89 & 95 REQUIRED IN 500 ML PACK.</p> <p>Clause 2.12 : ITEM NOS. 1, 2, 5, 14, 21, 32, 34, 76 & 82 REQUIRED IN 2.5 LITRE PACK.</p> <p>Clause 2.13 : ITEM NO. 54 REQUIRED IN PLASTIC BOX PACK.</p> <p>Clause 2.14 : ITEM NOS. 92, 93 & 94 REQUIRED IN A PACK EACH OF 10 TABLETS.</p> <p>Clause 2.15 : ITEM NOS. 85, 86, 87 & 88 REQUIRED IN A PACK EACH OF 100 PIECES.</p> | | | | | |
| सामग्री सूची संख्या को अधिष्ठापित करना है | <p>COPYRIGHT AND CONFIDENTIAL</p> <p>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.</p> | | | | | |
| सामग्री सूची संख्या को अधिष्ठापित करना है | <p>स्वाधिका (एवं गोपनीय)</p> <p>इस दस्तावेज में दी गई सूचना भारत भारी इलेक्ट्रिकल्स की संपत्ति है। इसका प्रयोग एवं उपयोग अन्य किसी भी तरह प्रयोग, जो कि कंपनी के हित में अधिष्ठापक ही न किया जाए।</p> | | | | | |
| दिनांक एवं हस्ताक्षर SIGN & DATE | <p>The above mentioned pack size are suggestive only. However, if these mentioned pack sizes are not available against any item, then any other pack size of equivalent quantity required by us would be acceptable.</p> | | | | | |
| सामग्री सूची संख्या INVENTORY NO. | REV.NO. | 00 | निर्माणकर्ता WORKED BY | S.K. Mishra |  17/11/15 | |
| | | | जांचकर्ता CHECKED BY | Dr. S. Bhatnagar |  17/11/15 | |

| | | | | | |
|---|---|--------------------------------|---------------------------|------------------|---|
| दिनांक एवं तिथि SIGN & DATE |  | उत्पाद क्रय विनिर्देश | | PR00470 | |
| | | PRODUCT PURCHASE SPECIFICATION | | पृष्ठ Page | 5 का 5 of |
| सुपरसेडिड इन्वेंट्री नं. संश्लेषण करण क्र. है | <p>Clause 2.16 : Evaluation will be done on the basis of individual item landed cost upto Yeramarus project site.</p> <p>Clause 2.17 : Vendors should quote as per price format attached.</p> <p>Clause 2.18 : Packing & Dispatch : The equipment / accessories / items shall be packed in a suitable water proof/vibration proof packing boxes (preferably in a wooden box) capable of bearing air / rail and road transit hazards. Packing box shall be properly identified and marked with BHEL's (India) Purchase Order Number.</p> | | | | |
| <p>COPYRIGHT AND CONFIDENTIAL The information on this document 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</p> | | | | | |
| <p>स्वाधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की संपत्ति है इतना प्रकट एवं आश्वस्त रूप में किया जा रहा है कि इसमें किसी भी प्रकार का हित न हित न किया जाय।</p> | | | | | |
| दिनांक एवं तिथि SIGN & DATE | | | | | |
| संश्लेषण नं. INVENTORY NO. | REV.NO. | 00 | निर्माणकर्ता WORKED BY | S.K. Mishra |  17/11/15 |
| | | | जांचकर्ता CHECKED BY | Dr. S. Bhatnagar |  17/11/15 |

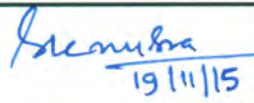
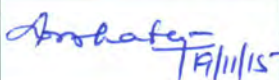
| दिनांक एवं हस्ताक्षर SIGN & DATE |  | | उत्पाद क्रय विनिर्देश | | | | PR00470 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---------------------------|-------------------|----|---|---------|---|----|---|------------|---------------|----------------------|---------------|--------|------------------|---------------------|------------------------|---------------------------|-------------------|------------|------------------|-----------------|---------------|-------------------------------|------------|---|--------------|---------------------------------|---------|---|--------------|----------------------------------|---------|---|--------------|-------------------------|---------|---|--------------|-------------------|------|---|--------------|----------------------------------|-------|---|--------------|--|--------|----|--------------|----------------------------------|--------|----|--------------|----------------|------|----|--------------|---------------------------------------|--------|----|--------------|-----------------|------|----|--------------|---------|---------|----|--------------|-----------------------------|--------|----|--------------|------------------------------|--------|----|--------------|----------------------|--------|----|--------------|---|--------|----|--------------|--|--------|----|--------------|-------------|-------|----|--------------|--|---------|----|--------------|--------------------|------|----|--------------|-----------------|------|----|--------------|----------------------|------|----|--------------|--------------------------------------|------|----|--------------|---------------------|---------|----|--------------|--|---------|----|--------------|------------------------------------|------|----|--------------|---------------------------|------|----|--------------|---------------------------|------|----|--------------|----------------|------|
| | | | पृष्ठ | 5 | का | 1 | Page | 1 | of | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRODUCT PURCHASE SPECIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LABORATORY REAGENTS/CHEMICALS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VENDORS SHOULD QUOTE ALL CHEMICALS OF AR/GR/ER/EXCELAR GRADE. VENDORS SHOULD ALSO SPECIFY THE MAKE OFFERED AGAINST EACH CHEMICAL. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>S. No.</th> <th>Material Code</th> <th>Name of Chemical</th> <th>Quantity</th> </tr> </thead> <tbody> <tr><td>1</td><td>D55995010182</td><td>Acetic Acid Glacial</td><td>7.5 ltrs</td></tr> <tr><td>2</td><td>D55995010239</td><td>Acetone</td><td>10 ltrs</td></tr> <tr><td>3</td><td>D55995236393</td><td>Alpha Naphthol Sulphonic Acid</td><td>200 gms</td></tr> <tr><td>4</td><td>D55995236210</td><td>Alkali Blue Indicator</td><td>100 gms</td></tr> <tr><td>5</td><td>D55995010433</td><td>Ammonia Solution about 25 % Pure</td><td>25 ltrs</td></tr> <tr><td>6</td><td>D55995017675</td><td>Ammonia Buffer Solution</td><td>20 ltrs</td></tr> <tr><td>7</td><td>D55995010514</td><td>Ammonium Chloride</td><td>6 kg</td></tr> <tr><td>8</td><td>D55995010638</td><td>Ammonium Molybdate Excelar Grade</td><td>20 kg</td></tr> <tr><td>9</td><td>D55995235796</td><td>Ammonium Purpurate (Mureoxide) Indicator</td><td>40 gms</td></tr> <tr><td>10</td><td>D55995011634</td><td>Anhydrous Calcium Chloride Fused</td><td>20 gms</td></tr> <tr><td>11</td><td>D55995236229</td><td>Amylum Soluble</td><td>2 kg</td></tr> <tr><td>12</td><td>D55995236237</td><td>Aluminium for estimation of Aluminium</td><td>20 gms</td></tr> <tr><td>13</td><td>D55995011006</td><td>Barium Chloride</td><td>4 kg</td></tr> <tr><td>14</td><td>D55995011111</td><td>Benzene</td><td>10 ltrs</td></tr> <tr><td>15</td><td>D55995011405</td><td>Bromocresol Green Indicator</td><td>20 gms</td></tr> <tr><td>16</td><td>D55995010280</td><td>Bromocresol Purple Indicator</td><td>10 gms</td></tr> <tr><td>17</td><td>D55995011758</td><td>Carbon Tetrachloride</td><td>500 ml</td></tr> <tr><td>18</td><td>D55995236245</td><td>Calgon (Indicator) for Hardness Determination</td><td>25 gms</td></tr> <tr><td>19</td><td>D55995019287</td><td>Chlortex Reagent for Determination of Chlorine Content</td><td>3 ltrs</td></tr> <tr><td>20</td><td>D55995011936</td><td>Citric Acid</td><td>20 kg</td></tr> <tr><td>21</td><td>D55995014102</td><td>Concentrated Nitric Acid (Concentration 69 to 72%)</td><td>10 ltrs</td></tr> <tr><td>22</td><td>D55995236253</td><td>Cobaltous Chloride</td><td>2 kg</td></tr> <tr><td>23</td><td>D55995012096</td><td>Copper Sulphate</td><td>3 kg</td></tr> <tr><td>24</td><td>D55995012290</td><td>Dextrose (D-Glucose)</td><td>4 kg</td></tr> <tr><td>25</td><td>D55995019384</td><td>Di-Potassium Hydrogen Orthophosphate</td><td>2 kg</td></tr> <tr><td>26</td><td>D55995236261</td><td>EDTA Solution 0.02N</td><td>12 ltrs</td></tr> <tr><td>27</td><td>D55995012541</td><td>Erichrome Black T (Solochrome Black) Indicator</td><td>200 gms</td></tr> <tr><td>28</td><td>D55995012517</td><td>Ethylene Diamine Tetra Acetic Acid</td><td>2 kg</td></tr> <tr><td>29</td><td>D55995012614</td><td>Ferric Chloride Anhydrous</td><td>2 kg</td></tr> <tr><td>30</td><td>D55995017861</td><td>Ferrous Ammonium Sulphate</td><td>3 kg</td></tr> <tr><td>31</td><td>D55995236270</td><td>Fusion Mixture</td><td>2 kg</td></tr> </tbody> </table> | | | | | | | | | | | S. No. | Material Code | Name of Chemical | Quantity | 1 | D55995010182 | Acetic Acid Glacial | 7.5 ltrs | 2 | D55995010239 | Acetone | 10 ltrs | 3 | D55995236393 | Alpha Naphthol Sulphonic Acid | 200 gms | 4 | D55995236210 | Alkali Blue Indicator | 100 gms | 5 | D55995010433 | Ammonia Solution about 25 % Pure | 25 ltrs | 6 | D55995017675 | Ammonia Buffer Solution | 20 ltrs | 7 | D55995010514 | Ammonium Chloride | 6 kg | 8 | D55995010638 | Ammonium Molybdate Excelar Grade | 20 kg | 9 | D55995235796 | Ammonium Purpurate (Mureoxide) Indicator | 40 gms | 10 | D55995011634 | Anhydrous Calcium Chloride Fused | 20 gms | 11 | D55995236229 | Amylum Soluble | 2 kg | 12 | D55995236237 | Aluminium for estimation of Aluminium | 20 gms | 13 | D55995011006 | Barium Chloride | 4 kg | 14 | D55995011111 | Benzene | 10 ltrs | 15 | D55995011405 | Bromocresol Green Indicator | 20 gms | 16 | D55995010280 | Bromocresol Purple Indicator | 10 gms | 17 | D55995011758 | Carbon Tetrachloride | 500 ml | 18 | D55995236245 | Calgon (Indicator) for Hardness Determination | 25 gms | 19 | D55995019287 | Chlortex Reagent for Determination of Chlorine Content | 3 ltrs | 20 | D55995011936 | Citric Acid | 20 kg | 21 | D55995014102 | Concentrated Nitric Acid (Concentration 69 to 72%) | 10 ltrs | 22 | D55995236253 | Cobaltous Chloride | 2 kg | 23 | D55995012096 | Copper Sulphate | 3 kg | 24 | D55995012290 | Dextrose (D-Glucose) | 4 kg | 25 | D55995019384 | Di-Potassium Hydrogen Orthophosphate | 2 kg | 26 | D55995236261 | EDTA Solution 0.02N | 12 ltrs | 27 | D55995012541 | Erichrome Black T (Solochrome Black) Indicator | 200 gms | 28 | D55995012517 | Ethylene Diamine Tetra Acetic Acid | 2 kg | 29 | D55995012614 | Ferric Chloride Anhydrous | 2 kg | 30 | D55995017861 | Ferrous Ammonium Sulphate | 3 kg | 31 | D55995236270 | Fusion Mixture | 2 kg |
| S. No. | Material Code | Name of Chemical | Quantity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | D55995010182 | Acetic Acid Glacial | 7.5 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | D55995010239 | Acetone | 10 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | D55995236393 | Alpha Naphthol Sulphonic Acid | 200 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | D55995236210 | Alkali Blue Indicator | 100 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | D55995010433 | Ammonia Solution about 25 % Pure | 25 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | D55995017675 | Ammonia Buffer Solution | 20 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | D55995010514 | Ammonium Chloride | 6 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | D55995010638 | Ammonium Molybdate Excelar Grade | 20 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | D55995235796 | Ammonium Purpurate (Mureoxide) Indicator | 40 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | D55995011634 | Anhydrous Calcium Chloride Fused | 20 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | D55995236229 | Amylum Soluble | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | D55995236237 | Aluminium for estimation of Aluminium | 20 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | D55995011006 | Barium Chloride | 4 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | D55995011111 | Benzene | 10 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | D55995011405 | Bromocresol Green Indicator | 20 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | D55995010280 | Bromocresol Purple Indicator | 10 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | D55995011758 | Carbon Tetrachloride | 500 ml | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | D55995236245 | Calgon (Indicator) for Hardness Determination | 25 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | D55995019287 | Chlortex Reagent for Determination of Chlorine Content | 3 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | D55995011936 | Citric Acid | 20 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | D55995014102 | Concentrated Nitric Acid (Concentration 69 to 72%) | 10 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | D55995236253 | Cobaltous Chloride | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | D55995012096 | Copper Sulphate | 3 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | D55995012290 | Dextrose (D-Glucose) | 4 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | D55995019384 | Di-Potassium Hydrogen Orthophosphate | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | D55995236261 | EDTA Solution 0.02N | 12 ltrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | D55995012541 | Erichrome Black T (Solochrome Black) Indicator | 200 gms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | D55995012517 | Ethylene Diamine Tetra Acetic Acid | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | D55995012614 | Ferric Chloride Anhydrous | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | D55995017861 | Ferrous Ammonium Sulphate | 3 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | D55995236270 | Fusion Mixture | 2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th colspan="2">नाम</th> <th>दिनांक एवं हस्ताक्षर</th> </tr> <tr> <th>NAME</th> <th></th> <th>SIGNATURE & DATE</th> </tr> </thead> <tbody> <tr> <td>निर्माणाकर्ता</td> <td>WORKED BY</td> <td>S.K. Mishra</td> </tr> <tr> <td>जाचकर्ता</td> <td>CHECKED BY</td> <td>Dr. S. Bhatnagar</td> </tr> <tr> <td>पर्यवेक्षणकर्ता</td> <td>SUPERVISED BY</td> <td>Dr. S. Bhatnagar</td> </tr> <tr> <td colspan="2">स्वीकृति</td> <td></td> </tr> <tr> <td colspan="2">APPROVED : Dr. N.G. Shrivastava</td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | नाम | | दिनांक एवं हस्ताक्षर | NAME | | SIGNATURE & DATE | निर्माणाकर्ता | WORKED BY | S.K. Mishra | जाचकर्ता | CHECKED BY | Dr. S. Bhatnagar | पर्यवेक्षणकर्ता | SUPERVISED BY | Dr. S. Bhatnagar | स्वीकृति | | | APPROVED : Dr. N.G. Shrivastava | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| नाम | | दिनांक एवं हस्ताक्षर | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NAME | | SIGNATURE & DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| निर्माणाकर्ता | WORKED BY | S.K. Mishra | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| जाचकर्ता | CHECKED BY | Dr. S. Bhatnagar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| पर्यवेक्षणकर्ता | SUPERVISED BY | Dr. S. Bhatnagar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| स्वीकृति | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPROVED : Dr. N.G. Shrivastava | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>सहमत विभाग</th> <th>नाम</th> <th>दिनांक एवं हस्ताक्षर</th> </tr> <tr> <th>AGREED DEPTT.</th> <th>NAME</th> <th>DATE & SIGNATURE</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | सहमत विभाग | नाम | दिनांक एवं हस्ताक्षर | AGREED DEPTT. | NAME | DATE & SIGNATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| सहमत विभाग | नाम | दिनांक एवं हस्ताक्षर | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AGREED DEPTT. | NAME | DATE & SIGNATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>REV.NO.</th> <th></th> <th>निर्माण</th> <th>आरी</th> <th>दिनांक</th> </tr> <tr> <th>Dt.</th> <th></th> <th>PREPARED : S.K. Mishra</th> <th>ISSUED : Dr. S. Bhatnagar</th> <th>DATE : 19.11.2015</th> </tr> </thead> <tbody> <tr> <td>01</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>19.11.2015</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | REV.NO. | | निर्माण | आरी | दिनांक | Dt. | | PREPARED : S.K. Mishra | ISSUED : Dr. S. Bhatnagar | DATE : 19.11.2015 | 01 | | | | | 19.11.2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REV.NO. | | निर्माण | आरी | दिनांक | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dt. | | PREPARED : S.K. Mishra | ISSUED : Dr. S. Bhatnagar | DATE : 19.11.2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19.11.2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COPYRIGHT AND CONFIDENTIAL
 The information on this document 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.

स्वतंत्रता एवं गोपनीयता
 इस प्रयोग में की गई सूचना भारत की इलेक्ट्रिकल की संपत्ति है इसका प्रसार एवं उपयोग के बिना न किया जाए।

दिनांक एवं हस्ताक्षर
 SIGN & DATE

सहायक विभाग
 INVENTORY NO.

| SIGN & DATE | उत्पाद क्रय विनिर्देश | | | PR00470 | |
|---|--------------------------------|---------------------|---|---|------------------|
| | PRODUCT PURCHASE SPECIFICATION | | | पृष्ठ | 5 का 2 |
| SUPERSEDES INVENTORY NO. | | | | Page | 2 of 5 |
| समूची सूची संख्या को अधिकृत करता है | | | | | |
| <p>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</p> | | | | | |
| समूची सूची संख्या | S.No. | Material Code | Name of Chemical | Quantity | |
| | 32 | D55995019422 | Glycerol | 10 ltrs | |
| | 33 | D55995012894 | Hexamine | 1 kg | |
| | 34 | D55995012967 | Hydrochloric Acid, Sp.Gr.1.18 | 40 ltrs | |
| | 35 | D55995018760 | Hydrazine Sulphate | 1 kg | |
| | 36 | D55995012975 | Hydrofluoric acid 48% | 3 ltrs | |
| | 37 | D55995012983 | Hydrogen Peroxide Purified 30 % W/V | 4 ltrs | |
| | 38 | D55995017969 | Hydroxylamine Hydrochloride | 2 kg | |
| | 39 | D55995017799 | Indigo Carmine (Indicator) | 200 gms | |
| | 40 | D55995013068 | Iodine Resublimed | 800 gms | |
| | 41 | D55995013270 | Lead Nitrate | 1 kg | |
| | 42 | D55995018000 | Manganous Chloride | 1 kg | |
| | 43 | D55995013718 | Mercury | 3 kg | |
| | 44 | D55995013610 | Mercuric Chloride | 2 kg | |
| | 45 | D55995013769 | Methanol | 30 ltrs | |
| | 46 | D55995018035 | Methyl Orange Indicator | 500 gms | |
| | 47 | D55995013831 | Methyl Red Indicator | 100 gms | |
| | 48 | D55995013963 | N-1 Naphthyl Ethylene Diamine Dihydrochloride | 20 gms | |
| | 49 | D55995014226 | Oxalic Acid Purified | 3 kg | |
| | 50 | D55995235559 | Ortho Phenanthrolein | 50 gms | |
| | 51 | D55995019236 | Para-Dimethyl-Amino-Benzaldehyde | 500 gms | |
| | 52 | D55995014358 | Perchloric Acid | 4 ltrs | |
| | 53 | D55995018140 | Phenolphthalein Powder | 500 gms | |
| | 54 | D55995014439 | pH Indicator Paper Wide Range in Boxes of Booklet Range 2 to 10.5 | 20 boxes | |
| | 55 | D55995014803 | Potassium Chromate | 2 kg | |
| | 56 | D55995014846 | Potassium Di-Chromate | 2.5 kg | |
| | 57 | D55995014773 | Potassium Chloride Purified | 3 kg | |
| | 58 | D55995014960 | Potassium Hydroxide Pure Pellets | 20 kg | |
| | 59 | D55995014994 | Potassium Iodide | 6 kg | |
| | 60 | D55995015028 | Potassium Nitrate Purified | 2 kg | |
| | 61 | D55995015052 | Potassium Permanganate Purified | 2 kg | |
| | 62 | D55995236407 | Potassium Meta Bi-sulphite | 10 kg | |
| | 63 | D55995015230 | Pyrogallol (Qualigens) | 2 kg | |
| | 64 | D55995236288 | Silica Gel Indicating Type | 2 kg | |
| | 65 | D55995015443 | Silver Nitrate | 500 gms | |
| | 66 | D55995015400 | Silicone Grease | 1 kg | |
| | 67 | D55995015516 | Sodium Acetate | 3 kg | |
| | 68 | D55995015664 | Sodium Carbonate Anhydrous | 2 kg | |
| हस्ताक्षर एवं तिथि SIGN & DATE | REV.NO. | 01 Dated 19.11.2015 | | निर्माणकर्ता WORKED BY | S.K. Mishra |
| समूची सूची संख्या INVENTORY NO. | | | | जांचकर्ता CHECKED BY | Dr. S. Bhatnagar |
| | | | |  19/11/15 | |
| | | | |  19/11/15 | |

उत्पाद क्रय विनिर्देश

PR00470

पृष्ठ 5 का 3

PRODUCT PURCHASE SPECIFICATION

Page 3 of 5

दिनांक एवं हस्ताक्षर
SIGN & DATESUPERSEDES
INVENTORY NOसमाप्ति सूची संख्या की
अंतिम तिथि का दर्शाए

COPYRIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.

स्वातंत्र्यकार एवं गोपनीय

इस दस्तावेज में दी गई सूचना भारत भारी इलेक्ट्रिकल्स की संपत्ति है। इसका प्रयोग एवं प्रसारण एवं उसे किसी भी तरह प्रसारित, जो कि कंपनी के हित में हानिकारक हो न बिना जाए।

हस्ताक्षर एवं दिनांक
SIGN & DATEसमाप्ति सूची संख्या
INVENTORY NO.

| S.No. | Material Code | Name of Chemical | Quantity |
|-------|---------------|--|----------------------------|
| 69 | D55995019368 | Sodium Hydroxide Pellets Purified | 10 kg |
| 70 | D55995015672 | Sodium Chloride Crystal Pure | 4 kg |
| 71 | D55995015745 | Sodium Di-Ethyl-Dithio-Carbamate | 500 gms |
| 72 | D55995015966 | Sodium Nitrate | 1500 gms |
| 73 | D55995016121 | Sodium Thio Suphate | 3 kg |
| 74 | D55995019210 | Sodium Potassium Tartrate | 2 kg |
| 75 | D55995016075 | Sodium Sulphate | 2 kg |
| 76 | D55995019490 | Sulphuric Acid, Sp.Gr. 1.84 | 25 ltrs |
| 77 | D55995236296 | Sulphosalicylic Acid | 1 kg |
| 78 | D55995236300 | Sulphanilic Acid | 500 gms |
| 79 | D55995236318 | Tin Granule | 500 gms |
| 80 | D55995016539 | Toluene Rectified | 10 ltrs |
| 81 | D55995018728 | Universal Indicator | 1 ltr |
| 82 | D55995016814 | Xylene Rectified | 15 ltrs |
| 83 | D55995016806 | Xylenol Orange Indicator | 40 gms |
| 84 | D55995016709 | Zinc Granule Reagent Grade | 1kg |
| 85 | D55995236326 | Filter Paper Whatman No-1 Make GF/A Sheets, Packed in Boxes of 100 Sheets, Size 203 x 254 mm | 8 boxes |
| 86 | D55995236334 | Filter Paper Whatman Make, 15 cm dia. No.40 size | 6 boxes |
| 87 | D55995236342 | Filter Paper Whatman Make, 15 cm dia. No.41 size | 6 boxes |
| 88 | D55995236350 | Filter Paper Whatman Make, 15 cm dia. No.42 size | 6 boxes |
| 89 | D55995014153 | Ortho Phosphoric Acid | 5 ltrs |
| 90 | D55995011600 | Calcium acetate | 500 gms |
| 91 | D55995017543 | Sulphanilamide | 500 gms |
| 92 | D55995011499 | pH Buffer Tablets 4 | 5 packs of each 10 tablets |
| 93 | D55995011502 | pH Buffer Tablets 7 | 5 packs of each 10 tablets |
| 94 | D55995011480 | pH Buffer Tablets 9.2 | 5 packs of each 10 tablets |
| 95 | D55995236369 | Buffer Solution pH 10 | 500 ml |
| 96 | D55995011626 | Calcium Chloride | 1 Kg |
| 97 | D55995236377 | Thorium Nitrate | 250 gms |
| 98 | D55995014730 | Potassium Bromate | 500 gms |
| 99 | D55995014749 | Potassium Bromide | 500 gms |

REV.NO. 01 Dated 19.11.2015

निर्माणकर्ता
WORKED BY

S.K. Mishra


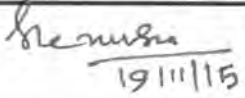
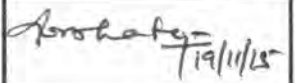
जांचकर्ता
CHECKED BY

Dr. S. Bhatnagar

S.K. Mishra
19/11/15

Dr. S. Bhatnagar
19/11/15

| | | | | | |
|---|---|--------------------------------|---------------------------|------------------|--------------|
| दिनांक एवं प्रस्ताव SIGN & DATE | | उत्पाद क्रय विनिर्देश | | PR00470 | |
| | | PRODUCT PURCHASE SPECIFICATION | | पृष्ठ Page | 5 4 |
| SUPERSEDES INVENTORY NO. समीचीन संकाय को प्रतिस्थापित करना है | <p>2.0 General Terms & Conditions</p> <p>Clause 2.1 : ITEM NOS. 9, 15, 16, 50 & 83 REQUIRED IN 5 GM PACK.</p> <p>Clause 2.2 : ITEM NO. 48 REQUIRED IN 10 GM PACK.</p> <p>Clause 2.3 : ITEM NOS. 10 & 12 REQUIRED IN 20 GM PACK.</p> <p>Clause 2.4 : ITEM NOS. 3, 4, 18, 27, 39, 46 & 47 REQUIRED IN 25 GM PACK.</p> <p>Clause 2.5 : ITEM NO. 53 REQUIRED IN 50 GM PACK.</p> <p>Clause 2.6 : ITEM NOS. 38, 40, 51, 59, 63, 65, 66, 71 & 78 REQUIRED IN 100 GM PACK.</p> <p>Clause 2.7 : ITEM NOS. 43, 44, 77 & 97 REQUIRED IN 250 GM PACK.</p> <p>Clause 2.8 : ITEM NOS. 7, 11, 13, 20, 22, 23, 24, 25, 28, 29, 30, 31, 33, 35, 41, 42, 49, 55, 56, 57, 58, 60, 61, 62, 64, 67, 68, 69, 70, 72, 73, 74, 75, 79, 84, 90, 91, 96, 98 & 99 REQUIRED IN 500 GM PACK.</p> <p>Clause 2.9 : ITEM NO. 8 REQUIRED IN 1 KG PACK.</p> <p>Clause 2.10 : ITEM NOS. 19 & 81 REQUIRED IN 100 ML PACK.</p> <p>Clause 2.11 : 15.ITEM NOS. 6, 17, 26, 36, 37, 45, 52, 80, 89 & 95 REQUIRED IN 500 ML PACK.</p> <p>Clause 2.12 : ITEM NOS. 1, 2, 5, 14, 21, 32, 34, 76 & 82 REQUIRED IN 2.5 LITRE PACK.</p> <p>Clause 2.13 : ITEM NO. 54 REQUIRED IN PLASTIC BOX PACK.</p> <p>Clause 2.14 : ITEM NOS. 92, 93 & 94 REQUIRED IN A PACK EACH OF 10 TABLETS.</p> <p>Clause 2.15 : ITEM NOS. 85, 86, 87 & 88 REQUIRED IN A PACK EACH OF 100 PIECES.</p> <p>The above mentioned pack size are suggestive only. However, if these mentioned pack sizes are not available against any item, then any other pack size of equivalent quantity required by us would be acceptable.</p> | | | | |
| COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company. | <p>स्वातंत्र्य और एवं गोपनीय</p> <p>इस दस्तावेज में दी गई सूचना भारत भारती इलेक्ट्रिकल्स लिमिटेड की संपत्ति है। इसका प्रयोग एवं अप्रयोग अन्य से किसी भी प्रकार प्रयोग, जो कि कंपनी के हित में अनिष्टकारी हो न किया जाए।</p> | | | | |
| दिनांक एवं प्रस्ताव SIGN & DATE | | | | | |
| समीचीन संकाय INVENTORY NO | REV.NO. | 01 Dated 19.11.2015 | निर्माणकर्ता WORKED BY | S.K. Mishra | 19/11/15 |
| | | | जांचकर्ता CHECKED BY | Dr. S. Bhatnagar | 19/11/15 |

| | | | | | |
|--|---|--|---------------------------|------------------|---|
| दिनांक एवं अक्षर SIGN & DATE |  | उत्पाद क्रय विनिर्देश | | PR00470 | |
| | | PRODUCT PURCHASE SPECIFICATION | | पृष्ठ Page | 5 5 |
| सुपेरीसिडीस INVENTORY NO | समग्री सूची संख्या की अधिकतम संख्या है | <p>Clause 2.16 : Evaluation will be done on the basis of individual item landed cost upto Bellary-3 project site.</p> <p>Clause 2.17 : Vendors should quote as per price format attached.</p> <p>Clause 2.18 : Packing & Dispatch : The equipment / accessories / items shall be packed in a suitable water proof/vibration proof packing boxes (preferably in a wooden box) capable of bearing air / rail and road transit hazards. Packing box shall be properly identified and marked with BHEL's(India) Purchase Order Number.</p> | | | |
| 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 | | | | | |
| स्वातंत्र्यधिकार एव -प्राप्तिय इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की संपत्ति है इतना प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न सके। | | | | | |
| दिनांक एवं SIGN & DATE | | | | | |
| समग्री सूची संख्या INVENTORY NO. | REV.NO. | 01 Dated 19.11.2015 | निर्माणकर्ता WORKED BY | S.K. Mishra |  19/11/15 |
| | | | जांचकर्ता CHECKED BY | Dr. S. Bhatnagar |  19/11/15 |

PRICE FORMAT for LABORATORY CHEMICALS for 800 MW Yermarus project

| S. No. | Material Code | Name of Chemical | Required Quantity | Make of offered Chemical | Offered Pack Size | Unit Rate of offered pack size | Total Amount for required Qty. | Packing Charges (Lumpsum or in %) | Excise Duty @ 12.5% or Nil (pls. specify) | Sale Tax (CST @ 2% ag. Form-C or VAT @ ___ %) | Forwarding Charges (Lumpsum or in %) | Freight Charges (Lumpsum or in %) | Insurance Charges | Total Landed Cost at site |
|--------|---------------|--|-------------------|--------------------------|-------------------|--------------------------------|--------------------------------|-----------------------------------|---|---|--------------------------------------|-----------------------------------|-------------------|---------------------------|
| 1 | D55995010182 | Acetic Acid Glacial | 7.5 ltrs | | | | | | | | | | | |
| 2 | D55995010239 | Acetone | 10 ltrs | | | | | | | | | | | |
| 3 | D55995236393 | Alpha Naphthol Sulphonic Acid | 200 gms | | | | | | | | | | | |
| 4 | D55995236210 | Alkali Blue Indicator | 100 gms | | | | | | | | | | | |
| 5 | D55995010433 | Ammonia Solution about 25 % Pure | 25 ltrs | | | | | | | | | | | |
| 6 | D55995017675 | Ammonia Buffer Solution | 20 ltrs | | | | | | | | | | | |
| 7 | D55995010514 | Ammonium Chloride | 6 kg | | | | | | | | | | | |
| 8 | D55995010638 | Ammonium Molybdate Excelar Grade | 20 kg | | | | | | | | | | | |
| 9 | D55995235796 | Ammonium Purpurate (Mureoxide) Indicator | 40 gms | | | | | | | | | | | |
| 10 | D55995011626 | Calcium Chloride | 1 Kg | | | | | | | | | | | |
| 11 | D55995236229 | Amylum Soluble | 2 kg | | | | | | | | | | | |
| 12 | D55995236237 | Aluminium for estimation of Aluminium | 20 gms | | | | | | | | | | | |
| 13 | D55995011006 | Barium Chloride | 4 kg | | | | | | | | | | | |
| 14 | D55995011111 | Benzene | 10 ltrs | | | | | | | | | | | |
| 15 | D55995011405 | Bromocresol Green Indicator | 20 gms | | | | | | | | | | | |
| 16 | D55995011758 | Carbon Tetrachloride | 1000 ml | | | | | | | | | | | |
| 17 | D55995010280 | Bromocresol Purple Indicator | 10 gms | | | | | | | | | | | |
| 18 | D55995236245 | Calgon (Indicator) for Hardness Determination | 25 gms | | | | | | | | | | | |
| 19 | D55995019287 | Chlortex Reagent for Determination of Chlorine Content | 3 ltrs | | | | | | | | | | | |
| 20 | D55995011936 | Citric Acid | 20 kg | | | | | | | | | | | |
| 21 | D55995014102 | Concentrated Nitric Acid (Concentration 69 to 72%) | 10 ltrs | | | | | | | | | | | |
| 22 | D55995236253 | Cobaltous Chloride | 2 kg | | | | | | | | | | | |
| 23 | D55995012096 | Copper Sulphate | 3 kg | | | | | | | | | | | |
| 24 | D55995012290 | Dextrose (D-Glucose) | 4 kg | | | | | | | | | | | |
| 25 | D55995019384 | Di-Potassium Hydrogen Orthophosphate | 2 kg | | | | | | | | | | | |
| 26 | D55995236261 | EDTA Solution 0.02N | 12 ltrs | | | | | | | | | | | |
| 27 | D55995012541 | Erichrome Black T (Solochrome Black) Indicator | 200 gms | | | | | | | | | | | |

Not to be quoted as will be under BHEL scope

| S. No. | Material Code | Name of Chemical | Required Quantity | Make of offered Chemical | Offered Pack Size | Unit Rate of offered pack size | Total Amount for required Qty. | Packing Charges (Lumpsum or in %) | Excise Duty @ 12.5% or Nil (pls. specify) | Sale Tax (CST @ 2% ag. Form-C or VAT @ ___%) | Forwarding Charges (Lumpsum or in %) | Freight Charges (Lumpsum or in %) | Insurance Charges | Total Landed Cost at site |
|--------|---------------|---|-------------------|--------------------------|-------------------|--------------------------------|--------------------------------|-----------------------------------|---|--|--------------------------------------|-----------------------------------|--|---------------------------|
| 28 | D55995012517 | Ethylene Diamine Tetra Acetic Acid | 2 kg | | | | | | | | | | Not to be quoted as will be under BHEL scope | |
| 29 | D55995012614 | Ferric Chloride Anhydrous | 2 kg | | | | | | | | | | | |
| 30 | D55995017861 | Ferrous Ammonium Sulphate | 3 kg | | | | | | | | | | | |
| 31 | D55995236270 | Fusion Mixture | 2 kg | | | | | | | | | | | |
| 32 | D55995019422 | Glycerol | 10 ltrs | | | | | | | | | | | |
| 33 | D55995012894 | Hexamine | 1 kg | | | | | | | | | | | |
| 34 | D55995012967 | Hydrochloric Acid, Sp.Gr.1.18 | 40 ltrs | | | | | | | | | | | |
| 35 | D55995018760 | Hydrazine Sulphate | 1 kg | | | | | | | | | | | |
| 36 | D55995012975 | Hydrofluoric acid 48% | 3 ltrs | | | | | | | | | | | |
| 37 | D55995012983 | Hydrogen Peroxide Purified 30 % W/V | 4 ltrs | | | | | | | | | | | |
| 38 | D55995017969 | Hydroxylamine Hydrochloride | 2 kg | | | | | | | | | | | |
| 39 | D55995017799 | Indigo Carmine (Indicator) | 200 gms | | | | | | | | | | | |
| 40 | D55995013068 | Iodine Resublimed | 800 gms | | | | | | | | | | | |
| 41 | D55995013270 | Lead Nitrate | 1 kg | | | | | | | | | | | |
| 42 | D55995018000 | Manganous Chloride | 1 kg | | | | | | | | | | | |
| 43 | D55995013718 | Mercury | 3 kg | | | | | | | | | | | |
| 44 | D55995013610 | Mercuric Chloride | 2 kg | | | | | | | | | | | |
| 45 | D55995013769 | Methanol | 30 ltrs | | | | | | | | | | | |
| 46 | D55995018035 | Methyl Orange Indicator | 500 gms | | | | | | | | | | | |
| 47 | D55995013831 | Methyl Red Indicator | 100 gms | | | | | | | | | | | |
| 48 | D55995013963 | N-1 Naphyl Ethylene Diamine Dihydrochloride | 20 gms | | | | | | | | | | | |
| 49 | D55995014226 | Oxalic Acid Purified | 3 kg | | | | | | | | | | | |
| 50 | D55995235559 | Ortho Phenanthrolein | 50 gms | | | | | | | | | | | |
| 51 | D55995019236 | Para-Dimethyl-Amino-Benzaldehyde | 500 gms | | | | | | | | | | | |
| 52 | D55995014358 | Perchloric Acid | 4 ltrs | | | | | | | | | | | |
| 53 | D55995018140 | Phenolphthalein Powder | 500 gms | | | | | | | | | | | |
| 54 | D55995014439 | pH Indicator Paper Wide Range in Boxes of Booklet Range 2 to 10.5 | 20 boxes | | | | | | | | | | | |
| 55 | D55995014803 | Potassium Chromate | 2 kg | | | | | | | | | | | |
| 56 | D55995014846 | Potassium Di-Chromate | 2.5 kg | | | | | | | | | | | |
| 57 | D55995014773 | Potassium Chloride Purified | 3 kg | | | | | | | | | | | |

| S. No. | Material Code | Name of Chemical | Required Quantity | Make of offered Chemical | Offered Pack Size | Unit Rate of offered pack size | Total Amount for required Qty. | Packing Charges (Lumpsum or in %) | Excise Duty @ 12.5% or Nil (pls. specify) | Sale Tax (CST @ 2% ag. Form-C or VAT @ ___%) | Forwarding Charges (Lumpsum or in %) | Freight Charges (Lumpsum or in %) | Insurance Charges | Total Landed Cost at site |
|--------|---------------|--|-------------------|--------------------------|-------------------|--------------------------------|--------------------------------|-----------------------------------|---|--|--------------------------------------|-----------------------------------|--|---------------------------|
| 58 | D55995014960 | Potassium Hydroxide Pure Pellets | 20 kg | | | | | | | | | | Not to be quoted as will be under BHEL scope | |
| 59 | D55995014994 | Potassium Iodide | 6 kg | | | | | | | | | | | |
| 60 | D55995015028 | Potassium Nitrate Purified | 2 kg | | | | | | | | | | | |
| 61 | D55995015052 | Potassium Permanganate Purified | 2 kg | | | | | | | | | | | |
| 62 | D55995236407 | Potassium Meta Bi-sulphite | 10 kg | | | | | | | | | | | |
| 63 | D55995015230 | Pyrogallol (Qualigens) | 2 kg | | | | | | | | | | | |
| 64 | D55995236288 | Silica Gel Indicating Type | 2 kg | | | | | | | | | | | |
| 65 | D55995015443 | Silver Nitrate | 500 gms | | | | | | | | | | | |
| 66 | D55995015400 | Silicone Grease | 1 kg | | | | | | | | | | | |
| 67 | D55995015516 | Sodium Acetate | 3 kg | | | | | | | | | | | |
| 68 | D55995015664 | Sodium Carbonate Anhydrous | 2 kg | | | | | | | | | | | |
| 69 | D55995019368 | Sodium Hydroxide Pellets Purified | 10 kg | | | | | | | | | | | |
| 70 | D55995015672 | Sodium Chloride Crystal Pure | 4 kg | | | | | | | | | | | |
| 71 | D55995015745 | Sodium Di-Ethyl-Dithio-Carbamate | 500 gms | | | | | | | | | | | |
| 72 | D55995015966 | Sodium Nitrate | 1500 gms | | | | | | | | | | | |
| 73 | D55995016121 | Sodium Thio Suphate | 3 kg | | | | | | | | | | | |
| 74 | D55995019210 | Sodium Potassium Tartrate | 2 kg | | | | | | | | | | | |
| 75 | D55995016075 | Sodium Sulphate | 2 kg | | | | | | | | | | | |
| 76 | D55995019490 | Sulphuric Acid, Sp.Gr. 1.84 | 25 ltrs | | | | | | | | | | | |
| 77 | D55995236296 | Sulphosalicylic Acid | 1 kg | | | | | | | | | | | |
| 78 | D55995236300 | Sulphanilic Acid | 500 gms | | | | | | | | | | | |
| 79 | D55995236318 | Tin Granule | 500 gms | | | | | | | | | | | |
| 80 | D55995016539 | Toluene Rectified | 10 ltrs | | | | | | | | | | | |
| 81 | D55995018728 | Universal Indicator | 11 ltrs | | | | | | | | | | | |
| 82 | D55995016814 | Xylene Rectified | 15 ltrs | | | | | | | | | | | |
| 83 | D55995016806 | Xylenol Orange Indicator | 40 gms | | | | | | | | | | | |
| 84 | D55995016709 | Zinc Granule Reagent Grade | 1kg | | | | | | | | | | | |
| 85 | D55995236326 | Filter Paper Whatman No-1 Make GF/A Sheets, Packed in Boxes of 100 Sheets, Size 203 x 254 mm | 8 boxes | | | | | | | | | | | |
| 86 | D55995236334 | Filter Paper Whatman Make, 15 cm dia. No.40 size | 6 boxes | | | | | | | | | | | |

| S. No. | Material Code | Name of Chemical | Required Quantity | Make of offered Chemical | Offered Pack Size | Unit Rate of offered pack size | Total Amount for required Qty. | Packing Charges (Lumpsum or in %) | Excise Duty @ 12.5% or Nil (pls. specify) | Sale Tax (CST @ 2% ag. Form-C or VAT @ ___%) | Forwarding Charges (Lumpsum or in %) | Freight Charges (Lumpsum or in %) | Insurance Charges | Total Landed Cost at site |
|--------|---------------|--|----------------------------|--------------------------|-------------------|--------------------------------|--------------------------------|-----------------------------------|---|--|--------------------------------------|-----------------------------------|--|---------------------------|
| 87 | D55995236342 | Filter Paper Whatman Make, 15 cm dia. No.41 size | 6 boxes | | | | | | | | | | Not to be quoted as will be under BHEL scope | |
| 88 | D55995236350 | Filter Paper Whatman Make, 15 cm dia. No.42 size | 6 boxes | | | | | | | | | | | |
| 89 | D55995014153 | Ortho Phosphoric Acid | 5ltrs | | | | | | | | | | | |
| 90 | D55995011600 | Calcium acetate | 500 gms | | | | | | | | | | | |
| 91 | D55995017543 | Sulphanilamide | 500 gms | | | | | | | | | | | |
| 92 | D55995011499 | pH Buffer Tablets 4 | 5 packs of each 10 tablets | | | | | | | | | | | |
| 93 | D55995011502 | pH Buffer Tablets 7 | 5 packs of each 10 tablets | | | | | | | | | | | |
| 94 | D55995011480 | pH Buffer Tablets 9.2 | 5 packs of each 10 tablets | | | | | | | | | | | |
| 95 | D55995236369 | Buffer Solution pH 10 | 500 ml | | | | | | | | | | | |
| 96 | D55995011634 | Anhydrous Calcium Chloride Fused | 20 gms | | | | | | | | | | | |
| 97 | D55995236377 | Thorium Nitrate | 250 gms | | | | | | | | | | | |
| 98 | D55995014730 | Potassium Bromate | 500 gms | | | | | | | | | | | |
| 99 | D55995014749 | Potassium Bromide | 500 gms | | | | | | | | | | | |

PRICE FORMAT for LABORATORY CHEMICALS for 700 MW Bellary-3 project

| S. No. | Material Code | Name of Chemical | Required Quantity | Make of offered Chemical | Offered Pack Size | Unit Rate of offered pack size | Total Amount for required Qty. | Packing Charges (Lumpsum or in %) | Excise Duty @ 12.5% or Nil (pls. specify) | Sale Tax (CST @ 2% ag. Form-C or VAT @ ___ %) | Forwarding Charges (Lumpsum or in %) | Freight Charges (Lumpsum or in %) | Insurance Charges | Total Landed Cost at site |
|--------|---------------|--|-------------------|--------------------------|-------------------|--------------------------------|--------------------------------|-----------------------------------|---|---|--------------------------------------|-----------------------------------|-------------------|---------------------------|
| 1 | D55995010182 | Acetic Acid Glacial | 7.5 ltrs | | | | | | | | | | | |
| 2 | D55995010239 | Acetone | 10 ltrs | | | | | | | | | | | |
| 3 | D55995236393 | Alpha Naphthol Sulphonic Acid | 200 gms | | | | | | | | | | | |
| 4 | D55995236210 | Alkali Blue Indicator | 100 gms | | | | | | | | | | | |
| 5 | D55995010433 | Ammonia Solution about 25 % Pure | 25 ltrs | | | | | | | | | | | |
| 6 | D55995017675 | Ammonia Buffer Solution | 20 ltrs | | | | | | | | | | | |
| 7 | D55995010514 | Ammonium Chloride | 6 kg | | | | | | | | | | | |
| 8 | D55995010638 | Ammonium Molybdate Excelar Grade | 20 kg | | | | | | | | | | | |
| 9 | D55995235796 | Ammonium Purpurate (Mureoxide) Indicator | 40 gms | | | | | | | | | | | |
| 10 | D55995011634 | Anhydrous Calcium Chloride Fused | 20 gms | | | | | | | | | | | |
| 11 | D55995236229 | Amylum Soluble | 2 kg | | | | | | | | | | | |
| 12 | D55995236237 | Aluminium for estimation of Aluminium | 20 gms | | | | | | | | | | | |
| 13 | D55995011006 | Barium Chloride | 4 kg | | | | | | | | | | | |
| 14 | D55995011111 | Benzene | 10 ltrs | | | | | | | | | | | |
| 15 | D55995011405 | Bromocresol Green Indicator | 20 gms | | | | | | | | | | | |
| 16 | D55995010280 | Bromocresol Purple Indicator | 10 gms | | | | | | | | | | | |
| 17 | D55995011758 | Carbon Tetrachloride | 500 ml | | | | | | | | | | | |
| 18 | D55995236245 | Calgon (Indicator) for Hardness Determination | 25 gms | | | | | | | | | | | |
| 19 | D55995019287 | Chlortex Reagent for Determination of Chlorine Content | 3 ltrs | | | | | | | | | | | |
| 20 | D55995011936 | Citric Acid | 20 kg | | | | | | | | | | | |
| 21 | D55995014102 | Concentrated Nitric Acid (Concentration 69 to 72%) | 10 ltrs | | | | | | | | | | | |
| 22 | D55995236253 | Cobaltous Chloride | 2 kg | | | | | | | | | | | |
| 23 | D55995012096 | Copper Sulphate | 3 kg | | | | | | | | | | | |
| 24 | D55995012290 | Dextrose (D-Glucose) | 4 kg | | | | | | | | | | | |
| 25 | D55995019384 | Di-Potassium Hydrogen Orthophosphate | 2 kg | | | | | | | | | | | |
| 26 | D55995236261 | EDTA Solution 0.02N | 12 ltrs | | | | | | | | | | | |
| 27 | D55995012541 | Erichrome Black T (Solochrome Black) Indicator | 200 gms | | | | | | | | | | | |

Not to be quoted as will be under BHEL scope

| S. No. | Material Code | Name of Chemical | Required Quantity | Make of offered Chemical | Offered Pack Size | Unit Rate of offered pack size | Total Amount for required Qty. | Packing Charges (Lumpsum or in %) | Excise Duty @ 12.5% or Nil (pls. specify) | Sale Tax (CST @ 2% ag. Form-C or VAT @ ___%) | Forwarding Charges (Lumpsum or in %) | Freight Charges (Lumpsum or in %) | Insurance Charges | Total Landed Cost at site |
|--------|---------------|---|-------------------|--------------------------|-------------------|--------------------------------|--------------------------------|-----------------------------------|---|--|--------------------------------------|-----------------------------------|--|---------------------------|
| 28 | D55995012517 | Ethylene Diamine Tetra Acetic Acid | 2 kg | | | | | | | | | | Not to be quoted as will be under BHEL scope | |
| 29 | D55995012614 | Ferric Chloride Anhydrous | 2 kg | | | | | | | | | | | |
| 30 | D55995017861 | Ferrous Ammonium Sulphate | 3 kg | | | | | | | | | | | |
| 31 | D55995236270 | Fusion Mixture | 2 kg | | | | | | | | | | | |
| 32 | D55995019422 | Glycerol | 10 ltrs | | | | | | | | | | | |
| 33 | D55995012894 | Hexamine | 1 kg | | | | | | | | | | | |
| 34 | D55995012967 | Hydrochloric Acid, Sp.Gr.1.18 | 40 ltrs | | | | | | | | | | | |
| 35 | D55995018760 | Hydrazine Sulphate | 1 kg | | | | | | | | | | | |
| 36 | D55995012975 | Hydrofluoric acid 48% | 3 ltrs | | | | | | | | | | | |
| 37 | D55995012983 | Hydrogen Peroxide Purified 30 % W/V | 4 ltrs | | | | | | | | | | | |
| 38 | D55995017969 | Hydroxylamine Hydrochloride | 2 kg | | | | | | | | | | | |
| 39 | D55995017799 | Indigo Carmine (Indicator) | 200 gms | | | | | | | | | | | |
| 40 | D55995013068 | Iodine Resublimed | 800 gms | | | | | | | | | | | |
| 41 | D55995013270 | Lead Nitrate | 1 kg | | | | | | | | | | | |
| 42 | D55995018000 | Manganous Chloride | 1 kg | | | | | | | | | | | |
| 43 | D55995013718 | Mercury | 3 kg | | | | | | | | | | | |
| 44 | D55995013610 | Mercuric Chloride | 2 kg | | | | | | | | | | | |
| 45 | D55995013769 | Methanol | 30 ltrs | | | | | | | | | | | |
| 46 | D55995018035 | Methyl Orange Indicator | 500 gms | | | | | | | | | | | |
| 47 | D55995013831 | Methyl Red Indicator | 100 gms | | | | | | | | | | | |
| 48 | D55995013963 | N-1 Naphyl Ethylene Diamine Dihydrochloride | 20 gms | | | | | | | | | | | |
| 49 | D55995014226 | Oxalic Acid Purified | 3 kg | | | | | | | | | | | |
| 50 | D55995235559 | Ortho Phenanthrolein | 50 gms | | | | | | | | | | | |
| 51 | D55995019236 | Para-Dimethyl-Amino-Benzaldehyde | 500 gms | | | | | | | | | | | |
| 52 | D55995014358 | Perchloric Acid | 4 ltrs | | | | | | | | | | | |
| 53 | D55995018140 | Phenolphthalein Powder | 500 gms | | | | | | | | | | | |
| 54 | D55995014439 | pH Indicator Paper Wide Range in Boxes of Booklet Range 2 to 10.5 | 20 boxes | | | | | | | | | | | |
| 55 | D55995014803 | Potassium Chromate | 2 kg | | | | | | | | | | | |
| 56 | D55995014846 | Potassium Di-Chromate | 2.5 kg | | | | | | | | | | | |
| 57 | D55995014773 | Potassium Chloride Purified | 3 kg | | | | | | | | | | | |

| S. No. | Material Code | Name of Chemical | Required Quantity | Make of offered Chemical | Offered Pack Size | Unit Rate of offered pack size | Total Amount for required Qty. | Packing Charges (Lumpsum or in %) | Excise Duty @ 12.5% or Nil (pls. specify) | Sale Tax (CST @ 2% ag. Form-C or VAT @ ___%) | Forwarding Charges (Lumpsum or in %) | Freight Charges (Lumpsum or in %) | Insurance Charges | Total Landed Cost at site |
|--------|---------------|--|-------------------|--------------------------|-------------------|--------------------------------|--------------------------------|-----------------------------------|---|--|--------------------------------------|-----------------------------------|--|---------------------------|
| 58 | D55995014960 | Potassium Hydroxide Pure Pellets | 20 kg | | | | | | | | | | Not to be quoted as will be under BHEL scope | |
| 59 | D55995014994 | Potassium Iodide | 6 kg | | | | | | | | | | | |
| 60 | D55995015028 | Potassium Nitrate Purified | 2 kg | | | | | | | | | | | |
| 61 | D55995015052 | Potassium Permanganate Purified | 2 kg | | | | | | | | | | | |
| 62 | D55995236407 | Potassium Meta Bi-sulphite | 10 kg | | | | | | | | | | | |
| 63 | D55995015230 | Pyrogallol (Qualigens) | 2 kg | | | | | | | | | | | |
| 64 | D55995236288 | Silica Gel Indicating Type | 2 kg | | | | | | | | | | | |
| 65 | D55995015443 | Silver Nitrate | 500 gms | | | | | | | | | | | |
| 66 | D55995015400 | Silicone Grease | 1 kg | | | | | | | | | | | |
| 67 | D55995015516 | Sodium Acetate | 3 kg | | | | | | | | | | | |
| 68 | D55995015664 | Sodium Carbonate Anhydrous | 2 kg | | | | | | | | | | | |
| 69 | D55995019368 | Sodium Hydroxide Pellets Purified | 10 kg | | | | | | | | | | | |
| 70 | D55995015672 | Sodium Chloride Crystal Pure | 4 kg | | | | | | | | | | | |
| 71 | D55995015745 | Sodium Di-Ethyl-Dithio-Carbamate | 500 gms | | | | | | | | | | | |
| 72 | D55995015966 | Sodium Nitrate | 1500 gms | | | | | | | | | | | |
| 73 | D55995016121 | Sodium Thio Suphate | 3 kg | | | | | | | | | | | |
| 74 | D55995019210 | Sodium Potassium Tartrate | 2 kg | | | | | | | | | | | |
| 75 | D55995016075 | Sodium Sulphate | 2 kg | | | | | | | | | | | |
| 76 | D55995019490 | Sulphuric Acid, Sp.Gr. 1.84 | 25 ltrs | | | | | | | | | | | |
| 77 | D55995236296 | Sulphosalicylic Acid | 1 kg | | | | | | | | | | | |
| 78 | D55995236300 | Sulphanilic Acid | 500 gms | | | | | | | | | | | |
| 79 | D55995236318 | Tin Granule | 500 gms | | | | | | | | | | | |
| 80 | D55995016539 | Toluene Rectified | 10 ltrs | | | | | | | | | | | |
| 81 | D55995018728 | Universal Indicator | 1 ltr | | | | | | | | | | | |
| 82 | D55995016814 | Xylene Rectified | 15 ltrs | | | | | | | | | | | |
| 83 | D55995016806 | Xylenol Orange Indicator | 40 gms | | | | | | | | | | | |
| 84 | D55995016709 | Zinc Granule Reagent Grade | 1kg | | | | | | | | | | | |
| 85 | D55995236326 | Filter Paper Whatman No-1 Make GF/A Sheets, Packed in Boxes of 100 Sheets, Size 203 x 254 mm | 8 boxes | | | | | | | | | | | |
| 86 | D55995236334 | Filter Paper Whatman Make, 15 cm dia. No.40 size | 6 boxes | | | | | | | | | | | |

| S. No. | Material Code | Name of Chemical | Required Quantity | Make of offered Chemical | Offered Pack Size | Unit Rate of offered pack size | Total Amount for required Qty. | Packing Charges (Lumpsum or in %) | Excise Duty @ 12.5% or Nil (pls. specify) | Sale Tax (CST @ 2% ag. Form-C or VAT @ ___%) | Forwarding Charges (Lumpsum or in %) | Freight Charges (Lumpsum or in %) | Insurance Charges | Total Landed Cost at site |
|--------|---------------|--|----------------------------|--------------------------|-------------------|--------------------------------|--------------------------------|-----------------------------------|---|--|--------------------------------------|-----------------------------------|--|---------------------------|
| 87 | D55995236342 | Filter Paper Whatman Make, 15 cm dia. No.41 size | 6 boxes | | | | | | | | | | Not to be quoted as will be under BHEL scope | |
| 88 | D55995236350 | Filter Paper Whatman Make, 15 cm dia. No.42 size | 6 boxes | | | | | | | | | | | |
| 89 | D55995014153 | Ortho Phosphoric Acid | 5ltrs | | | | | | | | | | | |
| 90 | D55995011600 | Calcium acetate | 500 gms | | | | | | | | | | | |
| 91 | D55995017543 | Sulphanilamide | 500 gms | | | | | | | | | | | |
| 92 | D55995011499 | pH Buffer Tablets 4 | 5 packs of each 10 tablets | | | | | | | | | | | |
| 93 | D55995011502 | pH Buffer Tablets 7 | 5 packs of each 10 tablets | | | | | | | | | | | |
| 94 | D55995011480 | pH Buffer Tablets 9.2 | 5 packs of each 10 tablets | | | | | | | | | | | |
| 95 | D55995236369 | Buffer Solution pH 10 | 500 ml | | | | | | | | | | | |
| 96 | D55995011626 | Calcium Chloride | 1 Kg | | | | | | | | | | | |
| 97 | D55995236377 | Thorium Nitrate | 250 gms | | | | | | | | | | | |
| 98 | D55995014730 | Potassium Bromate | 500 gms | | | | | | | | | | | |
| 99 | D55995014749 | Potassium Bromide | 500 gms | | | | | | | | | | | |

COMPLIANCE SHEET FOR TECHNICAL/COMMERCIAL TERMS & CONDITIONS FOR TWO PART TENDER
(for Indian Supplier)

PLEASE FILL THIS ANNEXURE & ATTACH WITH YOUR TECHNO-COMMERCIAL BID (Part-I).

You are requested to kindly confirm /clarify the following:-

| S. No. | CLAUSE | Confirmation |
|--------|---|--------------|
| 1. | Confirm specifically that items shall be supplied as per tender specification. | |
| 2. | Validity: Confirm that validity of the offer shall be 120 days from the due date. | |
| 3. | Confirm that Prices for each item have been quoted on <u>Ex-Works Freight Pre-paid</u> basis upto destinations (i.e. 700 MW Bellary TPS, Unit-3 (Karnataka, India) & 800 MW Yeramarus TPS, Unit-1 (Karnataka, India) sites). <i>Packing, Forwarding & Freight charges have to be shown separately in the offer as per Price bid format attached as Annexure-2A & Annexure-2B.</i> | |
| 4. | <i>Replica of Price Bid (without prices) duly filled in 'Quoted' against the items of interest shall be necessarily submitted along with your Part-1 offer.</i> | |
| 5. | Confirm that prices will remain firm and fixed till completion of the order. | |
| 6. | Offer submitted must be ink signed along with seal. | |
| 7. | Confirm that date of submission has been mentioned on the envelope if it is submitted personally through Tender box. | |
| 8. | Payment Terms: 100% payment with full taxes & duties shall be made against dispatch documents through bank/direct on receipt and verification of material at respective sites i.e. Bellary-3 site & Yeramarus site. Note: <i>In case of any deviation in payment terms, BHEL shall evaluate your offer after loading on account of deviation in payment terms as per BHEL practice / policy.</i> | |
| 9. | Confirm that Bank charges shall be either side i.e. your bank charges shall be to your account and our bank charges shall be to our account. If the dispatch documents will be submitted directly to SBI Ranipur (Haridwar), all bank charges shall be borne by you. | |
| 10. | Delivery period: Material is required by the date mentioned in enquiry. However, please quote your minimum delivery period in no. of weeks from the date of purchase order. | |
| 11. | Liquidated Damages (Penalty): @ 0.5 % of the total order value per week of delay or part thereof subject to a maximum of 10% of the total order value. Date of GR shall be treated as date of delivery for penalty purpose. Loading for deviation in LD clause: <i>In case of deviation in penalty clause, BHEL will evaluate your offer after loading on account of deviation in penalty. Loading will be done to the extent to which it is not agreed to by the bidder (at offered value).</i> | |
| 12. | Transit Insurance shall be arranged by BHEL. Please quote your rates keeping in view. | |
| 13. | <i>Evaluation of the offer will be done (project-wise) on the basis of Individual Item Landed cost upto 700 MW Bellary TPS, Unit-3 (Karnataka, India) site & Individual Item Landed cost upto 800 MW Yeramarus TPS, Unit-1 (Karnataka, India) site.</i> | |
| 14. | Right of Acceptance: BHEL reserves the right to reject any or all the quotations without assigning any reasons thereof. BHEL also reserves the right to increase or decrease the tendered quantities. Vendor should be prepared to accept order for reduced quantity without any extra charges. Vendor should also be prepared for giving discount in case of increase in quantity. | |
| 15. | BHEL reserves the right to go for a Reverse Auction (RA) instead of opening the submitted Sealed Bid which will be decided after technical evaluation. Please confirm your acceptance to this. | |

| | | |
|-----|--|--|
| 16. | Confirm that Packing list shall be submitted to BHEL in 10 days advance for review and release of MDCC by BHEL before dispatch of the each consignment. | |
| 17. | If there is any deviation with respect to the tender documents then the same should be brought out specifically in separate annexure marked Deviations (Technical/Commercial). | |
| 18. | Ink signed order acceptance shall be furnished within 10 days of order placement. | |
| 19. | <p>Risk Purchase Clause: In case of delays in supplies / defective supplies or non-fulfillment of any other terms and conditions given in the Purchase Order the purchaser may cancel the purchase order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. Vendor does not agree to above risk purchase clause, their offer is liable to be rejected. In case any vendor accepts risk purchase clause initially and subsequently declines to honour the term in the eventuality of RISK PURCHASE, they may be banned for business with BHEL.</p> | |
| 20. | <p>Force Majeure Clause: Either party shall be entitled to suspend performance of his obligations under the contract to the extent that such performance is impeded or made unreasonably onerous by any of the following circumstances: fire, war, flood, riots, earthquake etc. The party claiming to be affected by force majeure shall notify the other party in writing immediately without delay on the intervention and on the cessation of such circumstances. If force</p> | |

Date

(Signature, Name, Designation & Seal of the firm)

COMPLIANCE SHEET FOR TECHNICAL/COMMERCIAL TERMS & CONDITIONS FOR TWO PART TENDER
(for Foreign Supplier)

PLEASE FILL THIS ANNEXURE & ATTACH WITH YOUR TECHNO-COMMERCIAL BID (Part-I).

You are requested to kindly confirm /clarify the following:-

| S.No. | CLAUSE | Confirmation |
|-------|--|--------------|
| 1. | Confirm specifically that items shall be supplied as per tender specification. | |
| 2. | Validity: Confirm that validity of the offer shall be 120 days from the due date. | |
| 3. | Confirm that each item prices have been quoted on F.C.A. as well as C&F Mumbai basis. <i>Packing, Forwarding & Airfreight charges have to be shown separately in the offer.</i> | |
| 4. | <i>Replica of Price Bid (without prices) duly filled in 'Quoted' against the items of interest shall be necessarily submitted along with your Part-1 offer.</i> | |
| 5. | Confirm that prices will remain firm and fixed till completion of the order. | |
| 6. | Offer submitted must be ink signed along with seal. | |
| 7. | Confirm that date of submission has been mentioned on the envelope if it is submitted personally through Tender box. | |
| 8. | Payment terms: 100% payment shall be made through Cash against Documents (CAD) against shipping documents. Note: <i>In case of any deviation in payment terms, BHEL shall evaluate your offer after loading on account of deviation in payment terms as per BHEL practice / policy.</i> | |
| 9. | Confirm that Bank charges shall be either side i.e. Outside India to your (Supplier) account and Inside India to our (BHEL) account. | |
| 10. | Delivery period: Material is required by the date mentioned in enquiry. However, please quote your minimum delivery period in no. of weeks from the date of purchase order. | |
| 11. | Liquidated Damages (Penalty): @ 0.5 % of the total order value per week of delay or part thereof subject to a maximum of 10% of the total order value. Date of AWB (Airway Bill) shall be treated as date of delivery for penalty purpose. Loading for deviation in LD clause: <i>In case of deviation in penalty clause, BHEL will evaluate your offer after loading on account of deviation in penalty. Loading will be done to the extent to which it is not agreed to by the bidder (at offered value).</i> | |
| 12. | Transit Insurance shall be arranged by BHEL. Please quote your rates keeping in view. | |
| 13. | Evaluation of the offer will be done (project-wise) on the basis of Individual Item Landed cost upto 700 MW Bellary TPS, Unit-3 (Karnataka, India) site & Individual Item Landed cost upto 800 MW Yeramarus TPS, Unit-1 (Karnataka, India) site. | |
| 14. | Right of Acceptance: BHEL reserves the right to reject any or all the quotations without assigning any reasons thereof. BHEL also reserves the right to increase or decrease the tendered quantities. Vendor should be prepared to accept order for reduced quantity without any extra charges. Vendor should also be prepared for giving discount in case of increase in quantity. | |
| 15. | BHEL reserves the right to go for a Reverse Auction (RA) instead of opening the submitted Sealed Bid which will be decided after technical evaluation. Please confirm your acceptance to this. | |

| | | |
|-----|---|--|
| 16. | Confirm that Packing list shall be submitted to BHEL in 10 days advance for review and release of MDCC by BHEL before dispatch of the each consignment. | |
| 17. | If there is any deviation with respect to the tender documents then the same should be brought out specifically in separate annexure marked Deviations (Technical/Commercial). | |
| 18. | Ink signed order acceptance shall be furnished within 10 days of order placement. | |
| 19. | Risk Purchase Clause: In case of delays in supplies / defective supplies or non-fulfillment of any other terms and conditions given in the Purchase Order the purchaser may cancel the purchase order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. Vendor does not agree to above risk purchase clause, their offer is liable to be rejected. In case any vendor accepts risk purchase clause initially and subsequently declines to honour the term in the eventuality of RISK PURCHASE, they may be banned for business with BHEL. | |
| 20. | Force Majeure Clause: Either party shall be entitled to suspend performance of his obligations under the contract to the extent that such performance is impeded or made unreasonably onerous by any of the following circumstances: fire, war, flood, riots, earthquake etc. The party claiming to be affected by force majeure shall notify the other party in writing immediately without delay on the intervention and on the cessation of such circumstances. If force | |

F.C.A. dispatching Airport & Country to be mentioned

Consignment weight: Gross / Net weight in Kg (approx.) to be indicated

Date

(Signature, Name, Designation & Seal of the firm)

NOTE:

1. It is clarified that no correspondence, technical or commercial, other than the above bids is permissible. In case any uncalled for correspondence, technical or commercial, is received, the same will be ignored and entire bid also may be ignored. It is also clarified that no commercial discount will be acceptable.
2. All the bidders whose offers have been accepted by BHEL will be given notice for opening of their original price bid and supplementary impact.

Date :

Signature :

Name :

Designation :

Department :

Mobile No. :

M/s

Certificate by Chartered Accountant on letter head

This is to Certify that M/s(hereinafter referred to as 'company') having its registered office atis registered under MSMED Act 2006, (Entrepreneur Memorandum No (Part- II)dtd:....., Category:.....(Micro/Small). (copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on dateas per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No. S.O.1722(E) dated October 5, 2006: Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED act, 2006:
Rs.....Lacs

(Strike off whichever is not applicable)

The above investment of RsLacs is within permissible limit of Rs..... Lacs formicro / small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro / Small) **(Strike off whichever is not applicable)** and the date of graduation of such enterprises from its original category is (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprises from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name-
Membership Number-
Seal of Chartered Accountant

LIST OF BHEL CONSORTIUM BANK

| | |
|-----------|----------------------------------|
| 1 | State Bank of India |
| 2 | Canara Bank |
| 3 | Bank of Baroda |
| 4 | Punjab National Bank |
| 5 | State Bank of Hyderabad |
| 6 | State Bank of Travancore |
| 7 | Corporation bank |
| 8 | Syndicate Bank |
| 9 | Indian Bank |
| 10 | Oriental Bank of Commerce |
| 11 | UCO bank |
| 12 | Central bank of India |
| 13 | IDBI Ltd. |
| 14 | HDFC Bank Ltd. |
| 15 | ICICI Bank Ltd. |
| 16 | Kotak Mahindra Bank ltd |
| 17 | The Federal bank Limited |
| 18 | Abn-Amro Bank |
| 19 | Citi Bank |
| 20 | HSBC |
| 21 | Deutsche Bank |
| 22 | Standard Chartered Bank |
| 23 | United bank of India |
| 24 | Vijaya Bank |
| 25 | Union Bank of India |
| 26 | Bank of India |
| 27 | Andhra Bank |
| 28 | Punjab & Sind Bank |
| 29 | Axis Bank |

| | | | |
|---|--|--------------|-------------|
|  | Annexure-III GUIDELINES TO FOREIGN SUPPLIERS FOR FILLING UP SUPPLIER REGISTRATION FORM | Document No. | AA:MM:SR:01 |
| | | Revision No. | 01 |
| | | Page No. | I of II |

1. Prospective Suppliers may also visit our web site www.bhel.com (link Supplier Registration -> New Supplier Required) to know more about the requirement of new suppliers for various items in our units.
2. Registration Form no. SRF(F)01 may be obtained from BHEL website www.bhel.com.
3. Application for registration, with a covering letter detailing where your products can find application (if possible) in BHEL unit(s), should be sent to:

Supplier Development Cell
Unit Name:
 Bharat Heavy Electricals Ltd.
City:
 India

4. In case registration is being sought in multiple units of BHEL, please send the separate application to each unit.
5. Any clarification with respect to procedure for registration may be obtained from the Supplier Development Cell of respective BHEL unit.
6. All columns are to be filled up properly in the space provided for. Wherever it is not applicable, mention it as "Not Applicable". The form is to be signed by the authorised signatory and submitted in original.
7. Please attach separate sheet if the space provided is insufficient. For any other information also, separate sheet may be attached.
8. Any information / clarification required by BHEL during processing of registration must be given expeditiously.
9. Please ensure that all required enclosures are attached with the filled up Supplier Registration Form and all enclosures are numbered & list of enclosures is given as required.
10. As multiple copies of the application forms are required for processing at our end, please do not spiral bound the application forms or its enclosures and instead send them in two hole clip flat file.
11. Please fill up the check- list given on next page and send along with the Supplier Registration Forms to BHEL.
12. Please note that if you are registered and participate in Tender process and qualify to get order from BHEL, your performance based on Quality of your product, delivery performance and service rendered will be evaluated inline with Chapter VI.
13. If you are attaching a document in a language other than English, a self attested English translated document may please be also attached.

| | | | |
|---|--|--------------|-------------|
|  | Annexure-III CHECK-LIST FOR FOREIGN SUPPLIERS REGISTRATION FORM | Document No. | AA:MM:SR:01 |
| | | Revision No. | 01 |
| | | Page No. | II of II |

| S.N. | Check-Point | Yes/No |
|------|--|--------|
| 1.0 | Information against all points in the Supplier Registration Form has been given. | |
| 2.0 | Authorisation letter has been enclosed (in case of Indian representative) | |
| 3.0 | Banker's certificate has been enclosed | |
| 4.0 | Are you an ISO: 9001 accredited supplier? | |
| 4.1 | If yes, have you enclosed copy of ISO 9001 accreditation certificate & "Table of Contents" of your Quality Manual? | |
| 4.2 | If no, have you enclosed written down procedure / manual of Quality Management System? | |
| 5.0 | Have you enclosed experience list/ performance certificate (as per sl. 3.0 of the form SRF(F) 01) | |
| 6.0 | List of enclosures has been furnished (as per Sl 5.0 of the form SRF(F) 01) | |
| 7.0 | All the parts of the form & enclosures have been signed by Authorised Signatory. | |
| 8.0 | D&B Report/ Creditreform report etc. has been attached. | |

Signature & seal

Date :

(Authorised Signatory)

Note : This check list is to be attached with the filled up Supplier Registration Form.

FORM NO. SRF(F)01 : (FOREIGN SUPPLIER)

- 1.8 YEAR OF COMMENCEMENT OF BUSINESS :
- 1.9 PRODUCTION CAPACITY PER ANNUM (details of major manufacturing/ testing facilities to be given) :
- 1.10 PARTICULARS OF PRODUCTS INCLUDING SPECIFICATION AND RANGE OFFERED FOR REGISTRATION : (ATTACH BROCHURES AND CATALOGUES)
- 1.11 NAME (S) OF BANKERS :
- 1.12 BANKER'S CERTIFICATE AS TO CREDITWORTHINESS OF THE CLIENT (Enclose Certificate) :
- 1.13 PORT OF LOADING :
- 1.14 NEAREST AIRPORT :
- 1.15 Report from D&B/ Creditreform etc. (As per Cl. 7.1 of Chapter V) (**MANDATORY**):

2.0 FINANCIAL INFORMATION : (FOR LAST 3 YEARS)

| PARAMETER | YEAR -1 | YEAR -2 | YEAR -3 |
|------------------|---------|---------|---------|
| ANNUAL TURN OVER | | | |
| PROFIT AFTER TAX | | | |

(COPY OF AUDITED ANNUAL ACCOUNTS FOR LAST 3 YEARS TO BE ENCLOSED)

3.0 QUALITY MANAGEMENT SYSTEM :

- 3.1 IS THE COMPANY ISO:9001 CERTIFIED : YES / NO
- 3.1.1 IF YES, ENCLOSE COPY OF CERTIFICATE & TABLE OF CONTENTS OF QUALITY MANUAL.
- 3.1.2 IF NO, ENCLOSE QUALITY MANAGEMENT SYSTEM OR WRITTEN DOWN PROCEDURE

4.0 EXPERIENCE LIST/ PERFORMANCE CERTIFICATE FOR OFFERED / SIMILAR ITEMS :
(ATTACH LIST OF PRESENT CUSTOMERS WITH NAME & ADDRESS FOR OFFERED / SIMILAR TYPE & SIZE OF ITEM / EQUIPMENT FOR WHICH REGISTRATION HAS BEEN SOUGHT AND WITH WHOM YOU HAVE CONTINUOUS BUSINESS SINCE LAST THREE YEARS)

5.0 IF REGISTERED IN ANY OTHER UNIT OF BHEL, PLEASE SPECIFY:


6.0 DIRECTORS / PARTNERS, IF RELATED TO ANY BHEL EMPLOYEE.

- NAME:
- STAFF NO.:
- DESIGNATION:
- UNIT & DEPARTMENT:
- RELATIONSHIP:

7.0 ANY OTHER INFORMATION:

8.0 LIST OF ENCLOSURES :
(BROCHURES, CATALOGUES, TECHNICAL LITERATURE ETC.)

| | |
|---|---|
| E – Mail TELEPHONE : (Landline): Mobile : DATE : | Signature & Seal AUTHORISED SIGNATORY NAME : DESIGNATION : |
|---|---|

| | | | |
|---|---|--------------|-------------|
|  | Annexure-II GUIDELINES TO INDIAN SUPPLIERS FOR FILLING-UP SUPPLIER REGISTRATION FORM | Document No. | AA:MM:SR:01 |
| | | Revision No. | 01 |
| | | Page No. | I of II |

- Prospective Suppliers may also visit our web site www.bhel.com (link Supplier Registration -> New Supplier Required) to know more about the requirement of new suppliers for various items in our units.
- Registration Form may be obtained from BHEL website www.bhel.com.
- Application for registration, with a covering letter detailing where your products can find application (if possible) in BHEL unit(s), should be sent to:

Supplier Development Cell
Unit Name:
Bharat Heavy Electricals Ltd.
City:
India


- In case registration is being sought in multiple units of BHEL, please send the separate application to each unit.
- Any clarification with respect to procedure for registration may be obtained from the Supplier Development Cell of respective BHEL unit.
- The Supplier Registration Form has four parts:

| | | |
|--------|---------------------------------------|--|
| Part A | Organisational Information | Form no. SRF(I)01 – page 1 to 10 |
| Part B | Quality System | Form no. SRF(I)01 - page 11 to 12 |
| Part C | Technical Competence | Form no. SRF(I)01 page 13 (if sent by BHEL) |
| Part D | Score Sheet (to be filled by BHEL) | Form no. SRF(I)01 page 14 to 17 |

The set of formats to be filled by different category of suppliers is as follows:

| Sl.No | Supplier Category | Formats |
|-------|--|--|
| 1. | Indian Suppliers (manufacturers) | - Organisational Information - Quality System - Technical Competence |
| 2. | Indian Stockist/ Trader/ Distributor/ Dealer/ Authorised Agent/ Channel partner/ Indian Sales office or Subsidiary of registered foreign principal | - Organisational Information SRF(I)01- Part A (page 1 to 10 except Sl. No. 5.1, 5.2, 6.6, 6.7, 7 & 8) |

- All columns are to be filled up properly in the space provided for. Wherever it is not applicable, please mention “Not Applicable”. The form is to be signed by the authorised signatory.
- A separate sheet may be attached if the space provided is insufficient or additional information is to be given. Please put proper identification tag on the separately attached sheet.
- Please ensure that all required enclosures are attached with the filled up Supplier Registration Form and all enclosures are numbered & list of enclosures is given as required.
- As multiple copies of the application forms are required for processing at our end, please do not spiral bound the application forms or its enclosures and instead send them in two hole clip flat file.
- Incomplete forms will be rejected.
- Any information / clarification required by BHEL during evaluation must be given expeditiously.
- Please note that if you are registered and participate in Tender process and qualify to get order from BHEL, your performance based on Quality of your product, delivery performance and service rendered will be evaluated inline with Chapter VI.
- Please fill up the check- list given on next page and send along with the Supplier Registration Forms to BHEL.
- If you are attaching a document in a language other than Hindi/ English, a self attested Hindi/ English translated document may please be also attached.

| | | | |
|---|---|--------------|-------------|
|  | Annexure-II Check List for Indian Supplier Registration Form | Document No. | AA:MM:SR:01 |
| | | Revision No. | 01 |
| | | Page No. | II of II |

| Sl.No. | Check-Point | Yes/No |
|--------|---|--------|
| 1. | Information against all points under “Organizational Information” (Part-A) has been given. | |
| 2. | All enclosures and supporting documents have been enclosed. | |
| 3. | Summary list of enclosures has been furnished as per S.N.10 of Organisational Information form no. SRF (I) 01 & S.N 12 of Quality system form no. SRF (I) 01. | |
| 4. | Are you an ISO 9001 accredited supplier? | |
| 5. | If yes, have you enclosed "Table of Contents" of your Quality Manual and copy of ISO 9001 accreditation certificate? | |
| 6. | Have you filled up Quality System format given in Part B? | |
| 7. | Technical requirements, specifications, drawings, standards have been received from BHEL before filling up Technical Competence, Part C. | |
| 8. | All the parts of the form & enclosures have been signed by Authorised Signatory. | |
| 9. | Have you attached EFT details? (In original, Certified by the bank) | |
| 10. | If you are seeking registration for a MSME company (as per MSME Act of Government of India), have you attached requisite certificate as per Act? | |

Date :

Signature & seal

(Authorised Signatory)

Note: This check list is to be attached with the filled up Supplier Registration Form.

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 1 of 17

INFORMATION WITH * MARKS IS SCOREABLE.

PART- A : ORGANISATIONAL SOUNDNESS

ALL COLUMNS SHOULD BE PROPERLY FILLED IN THE SPACE PROVIDED FOR, WHEREVER IT IS NOT APPLICABLE, PLEASE WRITE "NOT APPLICABLE". INCOMPLETE OR INCORRECT FORMS MAY NOT BE CONSIDERED. PLEASE ATTACH SEPARATE SHEET, IF SPACE AVAILABLE IS INADEQUATE.

ALL THE PAGES OF THE FORM ARE TO BE SIGNED ALONGWITH SEAL BY THE AUTHORISED SIGNATORY

| ORGANISATIONAL INFORMATION | | | |
|--|-------------|-------------------------|--------------------------------|
| NAME AND CORRESPONDENCE ADDRESS OF THE SUPPLIER SEEKING REGISTRATION :- | | | |
| 1.0 PRODUCTS / SYSTEMS / SERVICES FOR WHICH REGISTRATION IS APPLIED FOR : | | | |
| SL. NO. | DESCRIPTION | SIZE & RANGE | MFG. STD/ IS / DIN /BS ETC. |
| | | | |
| SUPPLIER'S AUTHORISED SIGNATORY | | BHEL CERTIFIED ASSESSOR | |

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 2 of 17

ORGANISATIONAL INFORMATION

2.0 GENERAL INFORMATION :

2.1 NAMES OF THE WORKS/DIVISION (Products manufactured at each works to be mentioned :

ADDRESS :

E - Mail :

TELEPHONE : Landline

Mobile

FAX :

2.2 NAME OF CHIEF EXECUTIVE /
PROPRIETOR / PARTNER & ADDRESS :

2.3 DETAILS OF AUTHORISED SIGNATORY FOR SEEKING CLARIFICATION :

NAME :

DESIGNATION :

E - Mail :

TELEPHONE : Landline

Mobile

FAX :

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 3 of 17

ORGANISATIONAL INFORMATION

3.0 OWNERSHIP INFORMATION : DOCUMENTS TO BE FURNISHED

3.1 GOVT. OF INDIA UNDERTAKING:

OR

STATE GOVT. UNDERTAKING :

OR

LIMITED COMPANY, :

MEMORANDUM AND
ARTICLES OF ASSOCIATION

OR

PRIVATE COMPANY :

MEMORANDUM AND
ARTICLES OF ASSOCIATION

OR

CO-OPERATIVE SOCIETY, :

SOCIETY RULES AND
BYE LAWS

OR

PARTNERSHIP FIRM, :

PARTNERSHIP DEED

OR

PROPRIETORSHIP, :

PROFESSION TAX REGN.
AND MUNICIPAL REGN.

ANY OTHER (SPECIFY) :

3.2 NATURE OF BUSINESS :

(MANUFACTURING UNIT/
ENGG CONSULTANT/ EPC CONTRACTOR)(AGENTS/ DISTRIBUTORS/STOCKISTS/DEALERS/
TRADERS/ INDIAN SUBSIDIARY/ CHANNEL PARTNER – attach authorization
certificate of principal)

3.3 YEAR OF ESTABLISHMENT :

* 3.4 YEAR OF COMMENCEMENT OF BUSINESS :

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 4 of 17

ORGANISATIONAL INFORMATION

4.0 REGISTRATION PARTICULARS

(FURNISH DETAILS AND ENCLOSE COPY OF CERTIFICATE FOR THE FOLLOWING)

- 4.1 PERMANENT ACCOUNT NO :
 4.2 CENTRAL SALES TAX REGN NUMBER :
 4.3 STATE SALES TAX / TIN NUMBER :
 4.4 EXCISE DUTY REGN NUMBER :
 4.5 EXCISE CONTROL CODE NUMBER :
 4.6 SERVICE TAX REGN NUMBER :
 4.7 CATEGORY AS PER MSMED ACT : MICRO/ SMALL/ MEDIUM
 REGN NO. :
 VALID UPTO :
 (Attach Certificate)

5.0 TOTAL ORGANISATIONAL STRENGTH : (ATTACH ORGANISATION CHART)

- | | GRADUATE | DIPLOMA | SKILLED | NON-SKILLED |
|--|----------|---------|---------|-------------|
| ENGINEERING : | | | | |
| MANUFACTURING : | | | | |
| QUALITY : | | | | |
| COMMERCIAL / SERVICE AFTER SALES : | | | | |
| OTHERS : | | | | |
| TOTAL : | | | | |
| * 5.1 POWER BACKUP : (GIVE DETAILS) | YES/ NO | | | |
| * 5.2 DOES THE COMPANY SELL ITS PRODUCT DIRECTLY : | YES/ NO | | | |

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 5 of 17

ORGANISATIONAL INFORMATION

6.0 OTHER PARTICULARS :
(FURNISH DETAILS AND ENCLOSE DOCUMENTARY EVIDENCE/ COPY OF CERTIFICATE FOR THE FOLLOWING)

* 6.1 IF THE COMPANY IS ALREADY REGISTERED WITH ANY OF BHEL UNITS, GIVE :

6.1.1. BHEL UNIT'S NAME :

6.1.2. SUPPLIER REGN. CODE NO. :

6.1.3. ITEMS FOR WHICH REGISTERED & THEIR SPECIFICATION
(ENCLOSE PROOF OF SUCCESSFUL EXECUTION OF ONE OR MORE PURCHASE ORDERS) :

* 6.2 IS THE COMPANY APPROVED BY ASME / NTPC / NPC / EIL / DGS&D / RAILWAYS / IBR / LLOYDS ETC FOR INTENDED MATERIAL CATEGORY? : YES / NO
(ENCLOSE DOCUMENTARY EVIDENCE)

* 6.3 IS THE COMPANY ISO 9001 APPROVED? : YES / NO
(ENCLOSE CERTIFICATE & TOC OF QUALITY SYSTEM) :

* 6.4 IS THE COMPANY AN ISO 14000 APPROVED? : YES / NO
(ENCLOSE CERTIFICATE) :

* 6.5 IS THE COMPANY OHSAS - 18000 APPROVED?: YES / NO
(ENCLOSE CERTIFICATE)

* 6.6 TECHNICAL COLLABORATOR :
(FOREIGN OR INDIGENOUS)
(ENCLOSE DOCUMENTARY EVIDENCE)

* 6.7 R&D SET UP

6.8 DIRECTORS / PARTNERS, IF RELATED TO ANY BHEL EMPLOYEE.
NAME :
STAFE NO. :
DESIGNATION :
Unit & DEPARTMENT :
RELATIONSHIP :

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 6 of 17

ORGANISATIONAL INFORMATION

6.9 IF ANY EX-BHEL PERSONNEL IS EMPLOYED BY THE COMPANY, MENTION HIS / HER DETAILS OF LAST POSTING.

NAME :
STAFF NO. :
DESIGNATION :
UNIT & DEPARTMENT :
DATE OF LEAVING SERVICE :

6.10 COMPANY'S WEEKLY HOLIDAYS :

WORKS OFFICE

6.11 EXPERIENCE LIST:

(ATTACH LIST OF PRESENT CUSTOMERS WITH NAME & ADDRESS FOR OFFERED / SIMILAR TYPE & SIZE OF ITEM / EQUIPMENT FOR WHICH REGISTRATION HAS BEEN SOUGHT AND WITH WHOM YOU HAVE CONTINUOUS BUSINESS SINCE LAST THREE YEARS . ALSO ATTACH PERFORMANCE CERTIFICATES ISSUED BY ANY TWO CLIENTS FOR SUCCESSFUL EXECUTION OF THE CONTRACTS FOR LAST TWO YEARS- FOR PEM)

*6.12 DETAILS OF PENDING LEGAL ISSUES ON CONTRACTUAL ASPECTS WITH CUSTOMER , IF ANY

6.13 The following information of Bank Account of the Company, duly endorsed by the Bank (required for Electronic Fund Transfer –EFT/RTGS) is to be submitted

1. Name of the Company
2. Name of Bank
3. Name of Bank Branch
4. City/Place
5. Account Number
6. Account type
7. IFSC code of the Bank Branch
8. MICR Code of the Bank Branch
9. Details of other Bankers (for reference purpose only)

NOTE :

Suppliers who have already submitted the above information are requested to submit a copy of the same.

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 7 of 17

ORGANISATIONAL INFORMATION

7.0 MANUFACTURING FACILITIES:

*7.1 LIST OF MANUFACTURING FACILITIES/EQUIPMENTS (INCLUDING MATERIAL HANDLING FACILITY)

| SL. NO | DESCRIPTION OF MACHINE/EQUIPMENT | QUANTITY | MAKE & YEAR OF INSTALLATION | REMARKS |
|--------|----------------------------------|----------|-----------------------------|---------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

IN CASE OF SPACE LIMITATION, PLEASE ENCLOSE ANNEXURE / CATALOGUE WITH TAG

* 7.2 IF IN-HOUSE MFG FACILITIES NOT AVAILABLE, INFORM SOURCE OF MFG. DETAILS ALONGWITH THEIR FACILITIES & EXPERIENCE

| SL. NO | PROCESS OUTSOURCED | NAME OF THE COMPANY | DESCRIPTION OF MACHINE / EQUIPMENT | REMARKS |
|--------|--------------------|---------------------|------------------------------------|---------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

IN CASE OF SPACE LIMITATION ENCLOSE ANNEXURE / CATALOGUE WITH TAG

* 7.3 RATIO OF OUTSOURCED COST TO TOTAL PRODUCTION VALUE:

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 8 of 17

ORGANISATIONAL INFORMATION

8.0 INSPECTION & TESTING FACILITIES:

* 8.1 LIST OF INSPECTION & TESTING FACILITIES / EQUIPMENT

| SL. NO | DESCRIPTION OF FACILITY/ EQUIPMENT & CAPACITY | NOS. | MAKE & YEAR OF MANUFACTURING | LAST DATE OF CALIBERATION |
|--------|---|------|------------------------------|---------------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

IN CASE OF SPACE LIMITATION ENCLOSE ANNEXURE / CATALOGUE WITH TAG

* 8.2 IF IN-HOUSE TESTING FACILITIES NOT AVAILABLE, INDICATE SOURCE OF TESTING ALONGWITH THEIR FACILITIES & EXPERIENCE

| SL. NO | TEST | SOURCE OF TESTING | DESCRIPTION OF FACILITY/ EQUIPMENT & CAPACITY | APPROVAL OF EQUIPMENT/ PROCESS/PERSONNEL QUALIFICATION |
|--------|------|-------------------|---|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

IN CASE OF SPACE LIMITATION ENCLOSE ANNEXURE / CATALOGUE WITH TAG

Note:

In case of outsourcing of major testing such as NDT, Electrical & Mechanical Testing, no marks will be awarded. However, material composition testing by chemical method from recognized laboratory shall not attract negative marking

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 9 of 17

| ORGANISATIONAL INFORMATION | | | | | |
|---|---|---|-------------------------|--------|----------|
| FINANCIAL INFORMATION FOR THE PREVIOUS FOUR YEARS | | | | | |
| 9.0 | Parameter | Year 1 | Year 2 | Year 3 | Year 4 |
| | | (Years in ascending order, Money value in Rs. Lakhs) | | | |
| * 9.1 | NET WORTH (Share Capital +Reserves) | | | | |
| | Growth over previous year (%) | ----- | | | |
| 9.2 | LONG TERM DEBT / LOAN | | | | |
| * 9.3 | DEBT EQUITY RATIO | | | | |
| | $\frac{\text{Long term Debt (9.2)}}{\text{Net worth (9.1)}}$ | | | | |
| 9.4 | INVESTMENT IN: Land & Building | | | | |
| | Plant & Machinery | | | | |
| | Other Fixed Assets | | | | |
| 9.5* | NET CURRENT ASSETS | | | | |
| | 1 | a) Cash on hand | | | |
| | b) Account receivable | | | | |
| | c) Inventories | | | | |
| | Total | | | | |
| | CURRENT LIABILITY | | | | |
| | 2 | a) Sundry creditors | | | |
| | b) Interest accrued but not due | | | | |
| | c) Other liabilities | | | | |
| | Total | | | | |
| 3 | * QUICK RATIO | | | | |
| | 3 | $\frac{\text{CA - INVENT. } \{9.5(1)-9.5(1)c\}}{\text{Current liability } \{9.5 (2)\}}$ | | | |
| * 9.6 | SALES | | | | |
| | Growth over previous year (%) | ----- | | | |
| * 9.7 | PROFIT BEFORE TAX | | | | |
| | Growth over previous year (%) | ----- | | | |
| * 9.8 | Whether the supplier has been referred to BIFR / NCLT / any other Govt agency (If YES , enclose details) | | | | YES / NO |
| * 9.9 | Whether the supplier is a potential sick company.(If YES , enclose details) | | | | YES / NO |
| <p>NOTE: 1. Copies of annual accounts (Balance Sheet) for the last four years (or from date of incorporation which ever is less) along with audit report are to be submitted. The above details shall be highlighted in the Balance Sheet.</p> <p>2. Status of Tax assessments done under various laws (Income Tax, VAT/Sales Tax, Excise & Service Tax, Custom) and details of disputes pending, if any, with these authorities to be submitted.</p> | | | | | |
| SUPPLIER'S AUTHORISED SIGNATORY | | | BHEL CERTIFIED ASSESSOR | | |

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 10 of 17

ORGANISATIONAL INFORMATION

10. LIST OF ENCLOSURES (Tags to be put on enclosures) :

- | | | |
|--------|---|------------|
| (i) | MEMORANDUM AND ARTICLES OF ASSOCIATION / SOCIETY RULES AND BYE LAWS / PARTNERSHIP DEED/ PROFESSION TAX REGN & MUNICIPAL REGN. | : YES / NO |
| (ii) | Copy of certificate of following:- | |
| | • PERMANENT ACCOUNT NO | : YES / NO |
| | • CENTRAL SALES TAX REGN NUMBER | : YES / NO |
| | • STATE SALES TAX / TIN NUMBER | : YES / NO |
| | • EXCISE DUTY REGN NUMBER | : YES / NO |
| | • EXCISE CONTROL CODE NUMBER | : YES / NO |
| | • SERVICE TAX REGN NUMBER | : YES / NO |
| | • REGN NUMBER OF CATEGORY AS PER MSMED ACT | : YES / NO |
| (iii) | ORGANISATION CHART | : YES / NO |
| (iv) | If registered with any other BHEL Unit, | |
| | • LETTER OF REGISTRATION WITH BHEL UNIT | : YES / NO |
| | • PROOF OF SUCCESSFUL EXECUTION OF ONE OR MORE PURCHASE ORDERS | : YES / NO |
| (v) | Letter of approval from ASME / NTPC / NPC / EIL / DGS&D / RAILWAYS / IBR / LLOYDS ETC | : YES / NO |
| (vi) | Accreditation certificate for | |
| | • ISO: 9001 | : YES / NO |
| | • TOC of Quality System Manual | : YES / NO |
| | • ISO : 14000 | : YES / NO |
| | • OHSAS , ISO 18000 | : YES / NO |
| (vii) | Letter regarding technical collaboration | : YES / NO |
| (viii) | Experience List / Performance certificate | : YES / NO |
| (ix) | Balance Sheet for the last four years along with audit Report | : YES / NO |
| (x) | Principal's authorization in case of dealers/ agents | : YES / NO |
| (xi) | EFT Bank's certificate | : YES / NO |

I /WE GIVE THE UNDERTAKING THAT BHEL DRAWINGS & SPECIFICATIONs SHALL NOT BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF BHEL AND/ OR FOR SUPPLY OF ANY MATERIAL, PRODUCT OR SERVICES DIRECTLY OR INDIRECTLY TO ANY OTHER CUSTOMER.

Maximum Marks = 50

Negative Marks = -13

Minimum Qualifying marks = 30

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 11 of 17

FORM NO. SRF(I) 01**Part B (QUALITY SYSTEM):**

| Sl. No | PARAMETERS | SYSTEM IN EFFECT (Tick if exists & provide evidences if ticked in written procedure) | | RECORDS (Tick if available & submit evidences) | REMARKS |
|--------|--|---|----------|---|---|
| | | Written Procedure | Practice | | |
| 1* | Incoming Material Control System | | | | Furnish a copy of system and organization. |
| 2* | In process control | | | | Furnish at least one work instruction & record of process control parameter |
| 3* | Manufacturing / Testing Procedure Qualification | | | | Procedure Qualification specification may be submitted |
| 4* | Personnel qualification for 3 above. | | | | Record of Personnel qualification (PQR) to be submitted |
| 5* | Calibration system | | | | Submit list of instrument & their calibration status |
| 6* | System of Identification & Traceability of materials, tools, jigs, fixtures & processed components, etc. | | | | Copy of procedure to be submitted |
| 7* | System of Storage, Preservation, Painting & packing | | | | Copy of procedure to be submitted |
| 8* | System of NCR disposition & corrective preventive action | | | | Two copies of NCR & CAPA |
| 9* | Customer complaints handling system | | | | Submit list of customer complaints & status for the last three years |
| 10* | Safety measures | | | | Submit copy of safety system & Record of accidents for last three years |
| 11 | Any other quality initiative | | | | |

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM****FORM NO. SRF(I) 01 (INDIAN SUPPLIER)****ANNEXURE-II**

Page 12 of 17

FORM NO. SRF(I) 01**Part B (QUALITY SYSTEM):****12. LIST OF ENCLOSURES**

- (i) Copy of system of control incoming materials and organization chart
- (ii) Copy of at least one process control work instruction
- (iii) Record of process control parameter
- (iv) Copy of at least one Procedure Qualification specification
- (v) Record of Personnel qualification (PQR)
- (vi) List of instrument & their calibration status
- (vii) Copy of procedure for Identification & Traceability of materials, tools, jigs, fixtures & processed components, etc.
- (viii) Copy of procedure for Storage/ preservation/ painting & packing
- (ix) Copies of two NCRs and their CAPA.
- (x) List of customer complaints & status for the last three years
- (xi) Copy of safety system
- (xii) Record of accidents for last three years

Maximum Marks = 25

Minimum Qualifying marks = 15

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 13 of 17 amdt.-04

FORM NO. SRF(I)01**Part C: TECHNICAL COMPETENCE**

Technical competence shall be evaluated in two parts viz. common competence and product/material category specific competence.

(i) COMMON TECHNICAL COMPETENCE

| TECHNICAL COMPETENCE (where design specification is given by BHEL) | MARKING RANGE | Marking range, if product specific technical competency not required | SUPPLIER RESPONSE (ALONG WITH SUPPORTING DOCUMENTS)# | MARKS BY BHEL |
|--|---------------|--|--|---------------|
| 1. Supplier understands the product specification. | (0-3) | (0-8) | | |
| 2. Supplier understands the inspection requirements. | (0-2) | (0-5) | | |
| 3. Supplier has process capability to achieve the product specification/dimensional requirement. | (0-3) | (0-8) | | |
| 4. Supplier has experienced manpower to carry out the job. | (0-2) | (0-4) | | |
| TOTAL MARKS OUT OF POSSIBLE | 10 | 25 | | |

OR

| TECHNICAL COMPETENCE (where performance specification is given by BHEL) | MARKING RANGE | Marking range, if product specific technical competency not required | PROCEDURE | | SYSTEM IN EFFECT | | RECORDS | |
|--|---------------|--|--|---------------|--|---------------|--|---------------|
| | | | SUPPLIER RESPONSE (ALONG WITH SUPPORTING | MARKS BY BHEL | SUPPLIER RESPONSE (ALONG WITH SUPPORTING | MARKS BY BHEL | SUPPLIER RESPONSE (ALONG WITH SUPPORTING | MARKS BY BHEL |
| 1. Design capability | (0-3) | (0-8) | | | | | | |
| 2. Adequacy of quality assurance plan | (0-2) | (0-5) | | | | | | |
| 3. Process capability for components | (0-3) | (0-8) | | | | | | |
| 4. Adequate of testing | (0-2) | (0-4) | | | | | | |
| TOTAL MARKS OUT OF POSSIBLE Average of Total (Total/3) = ----- | 10 | 25 | | | | | | |

(ii) PRODUCT/ MATERIAL CATEGORY SPECIFIC TECHNICAL COMPETENCE**(Max Marks: 15)**

Unit MISCC to structure the parameters to be considered for the technical competence depending on material category. The score of individual parameter selected is to be decided by MISCC. MISCC shall identify the requirement of enclosures to be furnished by supplier.

Product:

| Sl. No | Material category | Tech Parameter | Supplier's response | Remarks |
|--------|-------------------|----------------|---------------------|---------|
| | | | | |
| | | | | |

To be filled up only on receipt of technical requirements/ specification, drawings, standards from BHEL and to be sent to BHEL for further scrutiny. Enclose documentary evidence where ever required.

LIST OF ENCLOSURES:

Maximum Marks = 25

Minimum Qualifying marks = 15

No marks is to be given by the supplier. Only supplier response along with supporting documents.

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 14 of 17

Part D : SCORE SHEET**1. ORGANISATIONAL SOUNDNESS (for Manufacturers):**

| S.N. | PARAMETER | CRITERIA | Maxm. Marks | Marks Awarded |
|------|---|--|-------------|---------------|
| 1. | Whether all relevant information like ownership, PAN no., sales tax no., excise duty no., etc. submitted | Yes: 2 No: 0 | 2 | |
| 2. | 3.4 YEAR OF COMMENCEMENT OF BUSINESS | More than 5 years : 2 1-5 years : 1 Less than 1 year : 0 | 2 | |
| 3. | 5.1 POWER BACKUP | Yes : 1 No : 0 | 1 | |
| 4. | 5.2 DOES THE COMPANY SELL ITS PRODUCT DIRECTLY | Yes : 1 No : 0 | 1 | |
| 5. | 6.1 REGISTERED WITH ANY OF BHEL UNITS | Yes (same item) : 2 Yes (another item) : 1 No : 0 | 2 | |
| 6. | 6.2 APPROVAL BY ASME/ NTPC/ NPC/ EIL/ DGS&D/ RAILWAYS/ IBR/ LLOYDS ETC | Yes : 2 No : 0 | 2 | |
| 7. | 6.3 ISO 9001 ACCREDITATION | Yes : 3 No : 0 | 3 | |
| 8. | 6.4 ISO 14000 ACCREDITATION | Yes : 1 No : 0 | 1 | |
| 9. | 6.5 OHSAS - 18000 ACCREDITATION | Yes : 1 No : 0 | 1 | |
| 10. | 6.6 TECHNICAL COLLABORATOR : (FOREIGN OR INDIGENOUS) | Yes : 1 No : 0 | 1 | |
| 11. | 6.7 R & D SET UP | Yes : 1 No : 0 | 1 | |
| 12. | 6.12 PENDING LEGAL ISSUES ON TECHNO – COMMERCIAL ASPECTS WITH CUSTOMER | Yes : -5 No : 0 | 0 | |
| 13. | 7.1 & 7.2 MANUFACTURING FACILITIES INCLUDING OUTSOURCING | Adequate : 3 Substantial : 2 Inadequate : 0 | 3 | |
| 14. | 7.3 RATIO OF OUTSOURCED COST TO TOTAL PRODUCTION VALUE | Less than 10% : 2 10 to 30 % : 1 More than 30% : 0 | 2 | |
| 15. | 8.1 INSPECTION & TESTING FACILITIES | Adequate : 2 Substantial : 1 Inadequate : 0 | 2 | |
| 16. | 8.2 OUTSOURCING OF MAJOR TESTING FACILITY (Refer Note) | Yes : 0 No : 1 | 1 | |
| | TOTAL | | 25 | |

1. ORGANISATIONAL SOUNDNESS (for Indian Stockist/ Trader/ Distributor/ Dealer/ Authorised Agent/ Channel partner/ Indian Sales office or Subsidiary of registered foreign principal):

| S.N. | PARAMETER | CRITERIA | Maxm. Marks | Marks Awarded |
|------|---|--|-------------|---------------|
| 1. | Whether all relevant information like ownership, PAN no., sales tax no., etc. submitted (clause 6.0 of chapter V to be referred in this regard) | Yes: 7 No: 0 | 7 | |
| 2. | 3.4 YEAR OF COMMENCEMENT OF BUSINESS | More than 3 years : 2 1-3 years : 1 Less than 1 year : 0 | 2 | |
| 3. | 6.1 REGISTERED WITH ANY OF BHEL UNITS | Yes (same item) : 2 Yes (another item) : 1 No : 0 | 2 | |
| 4. | 6.2 APPROVAL BY ASME/ NTPC/ NPC/ EIL/ DGS&D/ RAILWAYS/ IBR/ LLOYDS ETC | Yes : 2 No : 0 | 2 | |
| 5. | 6.3 ISO 9001 ACCREDITATION | Yes : 2 No : 0 | 2 | |
| 6. | 6.12 PENDING LEGAL ISSUES ON TECHNO – COMMERCIAL ASPECTS WITH CUSTOMER | Yes : -5 No : 0 | 0 | |

| |
|--------------------------------|
| BHEL CERTIFIED ASSESSOR |
|--------------------------------|

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 15 of 17

Part D: SCORE SHEET**2. FINANCIAL INFORMATION (for Manufacturers):**

| S.N. | PARAMETER | CRITERIA | Maximum Marks | Marks Awarded |
|--------------|---|--|---------------|---------------|
| 1. | 9.1 Growth of Net Worth over previous year (%) Average of three years to be worked out | More than 20 % : 5 10 – 20 % : 4 5 – 10 % : 3 > 0 & < 5 % : 2 0 or below : 0 | 5 | |
| 2. | 9.3 DEBT EQUITY RATIO <u>Long term Debt (9.2)</u> Net worth (9.1) | 1 : 1 : 5 1.1 upto 1.5 : 1 : 4 1.6 upto 2.0 : 1 : 3 2.0 & above : 1 : 2 | 5 | |
| 3. | 9.5 QUICK RATIO <u>CA - INVENTORIES {9.5(1)-9.5(1)c}</u> Current liability {9.5 (2)} | 1 : 1 : 5 1 : 1 upto 1.5 : 4 1 : 1.5 upto 1.75 : 3 1 : 1.75 upto 2.5 : 2 1 : > 2.5 : 0 | 5 | |
| 4. | 9.6 Growth in Sales over previous year (%) Average of three years to be worked out | More than 35% : 5 20 -35 % : 4 10 – 20 % : 3 5 – 10 % : 2 > 0 & < 5 % : 1 0 or negative : 0 | 5 | |
| 5. | 9.7 PROFIT BEFORE TAX Growth over previous year (%) | More than 20 % : 5 10 – 20 % : 4 5 – 10 % : 3 > 0 & < 5 % : 2 0 or below : 0 | 5 | |
| 6. | 9.8 Whether the supplier has been referred to BIFR / NCLT/ any other similar Govt agency | Yes: -5 No : 0 | 0 | |
| 7. | 9.9 Whether the supplier is a potentially sick company | Yes: -3 No : 0 | 0 | |
| TOTAL | | | 25 | |

Note: If the supplier is new in business and does not have past data, then the evaluation will be done on the basis of information provided by him and will be decided by MISCC.

2. FINANCIAL INFORMATION (for Indian Stockist/ Trader/ Distributor/ Dealer/ Authorised Agent/ Channel partner/ Indian Sales office or Subsidiary of registered foreign principal):

| S.N. | PARAMETER | CRITERIA | Maximum Marks | Marks Awarded |
|------|---|--|---------------|---------------|
| 1. | 9.6 Growth in Sales over previous year (%) Average of three years to be worked out | More than 35% : 5 20 -35 % : 4 5 - 20 % : 3 >0 - 5 % : 2 0 or negative : 0 | 5 | |
| 2. | 9.7 PROFIT BEFORE TAX Growth over previous year (%) | More than 20 % : 5 5 – 20 % : 4 >0 – 5 % : 3 0 or below : 0 | 5 | |

| |
|--------------------------|
| BHHEL CERTIFIED ASSESSOR |
|--------------------------|

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 16 of 17

Part D : SCORE SHEET**3. QUALITY SYSTEM :**

| S.N. | PARAMETER | CRITERIA | Maxm. Marks | Marks Awarded |
|--------------|--|--|-------------|---------------|
| 1. | Incoming Material control System | System availability : Yes: 1 No : 0 | 1 | |
| | | Availability of Organisation chart Yes: 1 No : 0 | 1 | |
| 2. | Process control | Work instruction available: Yes: 1 No : 0 | 1 | |
| | | Record of process Control : Available : 2 Partial record : 1 Not available: 0 | 2 | |
| 3. | Manufacturing / Testing Procedure Qualification | Procedure Qualification Specification : Adequate : 3 In adequate: 1 Not available : 0 | 3 | |
| 4. | Personnel qualification | Record of PQR: Adequate : 3 In adequate: 1 Not available : 0 | 3 | |
| 5. | Calibration system | Adequate : 3 In adequate: 1 Not available : 0 | 3 | |
| 6. | System of Identification & Traceability of materials, tools, jigs, fixtures & processed components, etc. | Procedure available : Adequate : 2 In adequate: 1 Not available : 0 | 2 | |
| 7. | System of Storage/ preservation/ painting & packing | Procedure available : Adequate : 2 In adequate: 1 Not available : 0 | 2 | |
| 8. | System of NCR disposition & corrective preventive action | Two copies of NCR & CAPA Available :2 Not available : 0 | 2 | |
| 9. | Customer complaints handling system | System available : Yes: 1 No : 0 | 1 | |
| | | Complaints registered & resolved :2 Complaints registered & partially resolved : 1 Complaints not registered or not resolved : 0 | 2 | |
| 10. | Safety measures | System available : Yes: 1 No : 0 | 1 | |
| | | Record available : Yes: 1 No : 0 | 1 | |
| TOTAL | | | 25 | |

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-II

Page 17 of 17 amdt.-04

Part D : SCORE SHEET**4. TECHNICAL COMPETENCE**

| | Maximum Marks (1) | Marks obtained (2) |
|---------------------------------------|----------------------|-----------------------|
| A. Common Technical Competence | | |

And/ or

B. Product Specific Technical Competence

Column no. 1 to 4 to be filled by MISCC before sending to supplier. Column no. 5 to be filled by BHEL certified Assessor after evaluation of supplier response.

| Sl. No (1) | Parameter (2) | Scoring criteria (3) | Maximum Marks (4) | Marks obtained (5) |
|---------------|------------------|-------------------------|----------------------|-----------------------|
| | | | | |
| | | | | |
| | Sub-Total | | 15 | |

TOTAL (A+B):

25

()

SUMMARY:

| Sl. No | Criteria | Maxm Marks | Qualifying marks * | Marks obtained | Recommendation for registration |
|--------|---|------------|--------------------|----------------|--|
| 1. | Organisational Soundness Financial Information | 50 | 30 | | Recommended : Permanent code /Development code/ Trial code Not recommended |
| 2. | Quality System | 25 | 15 | | |
| 3. | Technical Competence | 25 | 15 | | |
| | TOTAL | 100 | 60 | | |

Minimum Qualifying Score in Each category shall be 60%.*REGISTRATION CRITERIA:**

| Sl. No | Score | Recommendation |
|--------|--------------|--|
| 1. | More than 90 | Supplier is to be registered and given Permanent code, Normally no visit is called for. |
| 2. | >75 <=90 | Supplier may be visited if recommended by MISCC or to be registered and given permanent code. |
| 3. | >=60 <=75 | Supplier may carry out suggested improvements if advised by MISCC Supplier's visit is mandatory. Trial/ Development code may be given. |
| 4. | Less than 60 | Not to be registered |

Note: Indian Stockist/ Trader/ Distributor/ Dealer/ Authorised Agent/ Channel partner/ Indian Sales office or Subsidiary of registered foreign principal are to be awarded marks on pro-rata basis and registered accordingly.

Signatures: MISCC and Suppler Evaluation Team (in case of visit)

1)

2)

3)

4)

5)

6)

| |
|-------------------------|
| BHEL CERTIFIED ASSESSOR |
|-------------------------|