



**DEPTT: MATERIAL MANAGEMENT**

REF. NO.:

SHEET OF 1 to 6

DATE OF ORIGINAL ISSUE: 27/09/2007

REV. DATE: 24/02/2010

PRODUCT / INDENTING DEPTT:

FORMAT NO.:

**PRODUCT MATERIAL DIRECTORY**

BHEL INSULATOR PLANT

DIRECTORY OF SUPPLIERS:

BUYING GROUP NO.:

Group B

| SL. NO. | TYPE OF PURCHASE |                | ITEM DESCRIPTION<br>COMPONENT / ASSEMBLY/MATERIAL | MATERIAL CATG. NO. | CORP/UNIT PURCHASE SPEC. | PRODUCT CONTROL CHECKS | SUPPLIER DETAILS                   |                  | CLASS OF SUPPLIER | MONTH OF ASSESSMENT |        |
|---------|------------------|----------------|---|--------------------|--------------------------|------------------------|------------------------------------|------------------|-------------------|---------------------|--------|
|         | Identification   | Classification |   |                    |                          |                        | SUPPLIER CODE                      | SUPPLIER CONTROL |                   |                     |        |
| 1       | Y                | A              | BIKANEER CLAY - INS                               | 100151             | PS/CRM/04                | 06                     | NAME                               |                  | 07                | A                   | MAR'08 |
|         |                  |                |   |                    |                          |                        | GULAB CHAND KOCHAR                 | 07               |                   |                     |        |
|         |                  |                |   |                    |                          |                        | SHANTA SALES CORPORATION           | 07               |                   |                     |        |
| 2       | Y                | A              | BIKANEER CLAY-CERALIN                             | 100151             | PS/CRM/04                | 06                     | AMARNATH & SONS                    |                  | 07                | A                   | MAR'08 |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
| 3       | Y                | A              | WASHED ELLUR CLAY                                 | 100152             | PS/CRM/07                | 06                     | LAKSHMI VITREOUS                   |                  | 07                | A                   | MAR'08 |
|         |                  |                |   |                    |                          |                        | SRI VENKATESHWARA CERAMIC INDS.    | 07               |                   |                     |        |
|         |                  |                |   |                    |                          |                        | SREE RAGHAVA INDUSTRIES            | 07               |                   |                     |        |
| 4       | Y                | A              | THAN CLAY   | 100202             | PS/CRM/06                | 06                     | KOTHARI INDUSTRIES                 |                  | 07                | A                   | MAR'08 |
|         |                  |                |   |                    |                          |                        | KOTHARI CLAY INDUSTRIES            | 07               |                   |                     |        |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
| 5       | Y                | A              | CHAIBASA CLAY                                     | 100201             | PS/CRM/05                | 06                     | BHARAT MINERALS                    |                  | 07                | A                   | MAR'08 |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
| 6       | Y                | A              | FELDSPAR POWDER                                   | 101202             | PS/CRM/02                | 06                     | AJMER MINERAL GRINDING CORPORATION |                  | 07                | A                   | MAR'08 |
|         |                  |                |   |                    |                          |                        | ARAVALLI MINERALS(P) LTD           | 07               |                   |                     |        |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
| 7       | Y                | A              | LOW ALKALI PYROPHILLITE                           | C0002846           | PS/CRM/14                | 06                     | JK MINERALS                        |                  | 07                | A                   | MAR'08 |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
| 8       | Y                | A              | PYROPHILLITE                                      | 101301             | PS/CRM/13                | 06                     | EASTERN MINERALS                   |                  | 07                | B                   | MAR'08 |
|         |                  |                |   |                    |                          |                        | ISHWAR MINING                      | 07               |                   |                     |        |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
| 9       | Y                | A              | FELCITE POWDER                                    | C0002845           | PS/CRM/27                | 06                     | MINERAL PROCESSING INDUSTRY        |                  | 07                | B                   | MAR'08 |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |        |
| 10      | Y                | A              | RAW QUARTZ POWDRE 300M                            | 101002             | PS/CRM/01                | 06                     | ARAVALLI MINERALS(P) LTD           |                  | 07                | A1                  | MAR'08 |
|         |                  |                |   |                    |                          |                        | AJMER MINERAL GRINDING CORPORATION | 07               |                   |                     |        |
|         |                  |                |   |                    |                          |                        | RISHABH MINERAL INDUSTRIES         | 07               |                   |                     |        |

**Identification**

- X** Purchases as per Performance Specifications  
(I.e As per suppliers design / Technology)
- Y** Materials is of supplier but design is of BHEL
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- C** Minor Items : Are those which do not fall under above two categories

**Suggested Product Control Check**

- A.** Test Certificate / BHEL Test report with material corelation
- B.** Inspection Report in line with QA plan
- C.** Dimensional / Inspection Report

**CODE NO.**

- 1
- 2
- 3

**Suggested Product Control Check**

- D.** NDT Report
- E.** Sample Approval Required
- F.** Identification : Supplier name/PO No/SI No of Comp/Assy/Any other identification called in PO / Drg

**CODE NO.**

- 4
- 5
- 6

**SUGGESTED CONTROL CHECKS SUPPLIER**

- Inspection at supplier's works by BHEL/QC/inspection agency appointed by BHEL
- Inspection of supplier's works by customer / third party -
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- Qualification of suppliers operators & process for execution of the job
- Sample approval required
- Periodical process audit by BHEL
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|        |          |         |                           |            |         |
|--------|----------|---------|---------------------------|------------|---------|
| DGM/MM | Sr DGM/Q | SM/Engg | Sr DGM /Prod/Tech & Civil | Sr DGM/WEX | SM- Fin |
|--------|----------|---------|---------------------------|------------|---------|



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|---------|------------------|----------------|---|--------------------|--------------------------|------------------------|------------------------------------|------------------|-------------------|---------------------|
|         | Identification   | Classification |   |                    |                          |                        | SUPPLIER CODE                      | SUPPLIER CONTROL |                   |                     |
| 11      | Y                | A              | RIVER PEBBLE                                      | 101311             | PS/CRM/20<br>02.02.94    | 06                     | PP SINGH STONE & CO.               | 07               | B                 | MAR'08              |
|         |                  |                |   |                    |                          |                        | S KASHYAP & COMPANY                | 07               | B                 | MAR'08              |
|         |                  |                |   |                    |                          |                        | H KUMAR                            | 07               | B                 | MAR'08              |
| 12      | Y                | A              | CALCITE   | 102001             | PS/CRM/08<br>02.02.94    | 06                     | S N PANDEY                         | 07               | A                 | MAR'08              |
|         |                  |                |   |                    |                          |                        | SREE KUMARESH ENTERPRISES SALEM    | 07               | B                 | MAR'08              |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |
| 13      | Y                | A              | CHROME ORE  | 102012             | PS/CRM/11<br>02.02.94    | 06                     | CHAMPAK MINERALS AND CHEMICALS     | 07               | A1                | MAR'08              |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |
| 14      | Y                | A              | TALC POWDER                                       | 102002             | PS/CRM/10<br>02.02.94    | 06                     | ASSOCIATED SOAP STONE DIST.CO      | 07               | A                 | MAR'08              |
|         |                  |                |   |                    |                          |                        | S N PANDEY                         | 07               | B                 |                     |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |
| 15      | Y                | A              | MANGANESE DI OXIDE                                | 102004             | PS/CRM/13<br>02.02.94    | 06                     | MINERALS & METAL RESOURCES.        | 07               | B                 | MAR'08              |
|         |                  |                |   |                    |                          |                        | NAGPUR PULVERIZERS & MINERALS LTD  | 07               | B                 | MAR'08              |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |
| 16      | Y                | A              | PLASTER OF PARIS                                  | 100351             | PS/CRM/15<br>02.02.94    | 06                     | RAMA UDYOG                         | 07               | B                 | MAR'08              |
|         |                  |                |   |                    |                          |                        | S N PANDEY                         | 07               | B                 | MAR'08              |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |
| 17      | Y                | A              | ORDINARY PORTLAND CEMENT                          | 102301             | PS/CRM/14<br>02.02.94    | 06                     | ASSOCIATED CEMENT CO.              | 07               | B                 | MAR'08              |
|         |                  |                |   |                    |                          |                        | INDIAN RAYON INDUSTRIES            | 07               | B                 | MAR'08              |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |
| 18      | Y                | A              | RAW QUARTZ FOR ASSEMBLY                           | 103111             | PS/CRM/17<br>02.02.94    | 06                     | ARAVALLI MINERALS(P) LTD           | 07               | A                 | MAR'08              |
|         |                  |                |   |                    |                          |                        | AJMER MINERAL GRINDING CORPORATION | 07               | A                 | MAR'08              |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |
| 19      | Y                | A              | SANDING GROG                                      | 102011             | PS/CRM/18<br>02.02.94    | 06                     | ARAVALLI MINERALS(P) LTD           | 07               | A                 | MAR'08              |
|         |                  |                |   |                    |                          |                        | AJMER MINERAL GRINDING CORPORATION | 07               | A                 | MAR'08              |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |
| 20      | Y                | A              | ELECRETE CEMENT                                   | 103045             | PS/CRM/30<br>24.07.05    | 06                     | SVN CONSULTANTS                    | 07               | B                 | MAR'08              |
|         |                  |                |   |                    |                          |                        | DALMIA MAGNESITE                   | 07               | A                 | MAR'08              |
|         |                  |                |   |                    |                          |                        |                                    |                  |                   |                     |

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|---------|------------------|----------------|---|--------------------|--------------------------|------------------------|---|---------------|------------------|-------------------|----------------------------|----|---|--------|
|         | Identification   | Classification |   |                    |                          |                        | NAME  | SUPPLIER CODE | SUPPLIER CONTROL | CLASS OF SUPPLIER | MONTH OF ASSESSMENT        |    |   |        |
| 21      | Y                | A              | CALCINED ALUMINA-INS                              |                    | 3 Sec 47<br>Dt July 2003 | 06                     | HINDALCO INDUSTRIES   |               | 07               | A                 | MAR'08                     |    |   |        |
|         |                  |                |   |                    |                          |                        | ALBENARLECORP USA   |               |                  |                   |                            | 07 | A | MAR'08 |
|         |                  |                |   |                    |                          |                        | ALMATIC ACC   |               |                  |                   |                            | 07 | A | MAR'08 |
| 22      | Y                | A              | CALCINED ALUMINA-CERALIN                          | C0003229           | 3 Sec 50<br>Dt July 2003 | 06                     | HINDALCO INDUSTRIES   |               | 07               | A                 | MAR'08                     |    |   |        |
|         |                  |                |   |                    |                          |                        | ALMATIC ACC   |               |                  |                   |                            | 07 | A | MAR'08 |
|         |                  |                |   |                    |                          |                        |   |               |                  |                   |                            |    |   |        |
| 23      | Y                | A              | DOLOMITE POWDER                                   | 102007             | PS/CRM/09<br>02.02.94    | 06                     | S N PANDEY  |               | 07               | B                 | MAR'08                     |    |   |        |
|         |                  |                |   |                    |                          |                        |   |               |                  |                   |                            |    |   |        |
| 24      | Y                | A              | IRON OXIDE  | 102006             | PS/CRM/12<br>02.02.94    | 06                     | S N PANDEY  |               | 07               | A                 | MAR'08                     |    |   |        |
|         |                  |                |   |                    |                          |                        |   |               |                  |                   |                            |    |   |        |
| 25      | Y                | A              | SILICON SEALANT                                   | 2501140            |                          | 07                     | DOW CORNING INDIA LTD   |               | 07               | A                 | MAR'08                     |    |   |        |
|         |                  |                |   |                    |                          |                        |   |               |                  |                   |                            |    |   |        |
| 26      | Y                | A              | CALLUNDUM CEMENT                                  | 101362             | 36.0/01                  | 06                     | ALTECH INDUSTRIES/ACE REFRACTORIES LTD                            |               | 07               | A1                | MAR'08                     |    |   |        |
|         |                  |                |   |                    |                          |                        |   |               |                  |                   |                            |    |   |        |
| 27      | Y                | A              | POLY VINYL ALCOHOL                                | 102009             | PS/CRM/26<br>07.01.99    | 06                     | SUPER BOND ADHESIVES PVT. LTD.<br>SORBITOL CHEMICALS              |               | 07               | A                 | MAR'08                     |    |   |        |
|         |                  |                |   |                    |                          |                        |   |               |                  |                   |                            |    |   |        |
| 28      | Y                | A              | CMC (CARBOXY METHYL CELLULOSE)                    | 102007             | PS/CRM/16<br>02.02.94    | 06                     | RELIANCE CELLULOSE PRODUCTS,<br>E.P.INDL&AGRO CHEMICALS P LTD     |               | 07               | A1<br>A           | MAR'08<br>MAR'08           |    |   |        |
|         |                  |                |   |                    |                          |                        |   |               |                  |                   |                            |    |   |        |
| 29      | Y                | B              | LDPE / CORK CUSHION                               | CUSHION            | As per Drg               | 06<br>06<br>06         | SURYA KIRAN INDUSTRIES<br>ROYAL GASKET<br>SUPER GASKET INDUSTRIES |               | 07<br>07<br>07   | A<br>A<br>A       | MAR'08<br>MAR'08<br>MAR'08 |    |   |        |
|         |                  |                |   |                    |                          |                        |   |               |                  |                   |                            |    |   |        |
|         |                  |                |   |                    |                          |                        |   |               |                  |                   |                            |    |   |        |

| Identification  | Suggested Product Control Check  | CODE NO. |
|---|--|----------|
| <b>X</b> Purchases as per Performance Specifications<br>(I.e As per suppliers design / Technology)  | D. NDT Report  | 4        |
| <b>Y</b> Materials is of supplier but design is of BHEL   | E. Sample Approval Required  | 5        |
| <b>Z</b> Materials and Design , Tech is given by BHEL   | F. Identification : Supplier name/PO No/SI No of Comp/Assy/Any other identification called in PO / Drg | 6        |
| Classification  | SUGGESTED CONTROL CHECKS SUPPLIER  | CODE NO. |
| <b>A</b> Critical Item : are those which affects the performance of equipment / next stage of Assembly/ Safety of product                             | Inspection at supplier's works by BHEL/QC/inspection agency appointed by BHEL                          | 1        |
| <b>B</b> Major Item : are those which affects the operation of equipment /. Maintenance of equipment and cause discomfort from customer point of view | Inspection of supplier's works by customer / third party -   | 2        |
| <b>C</b> Minor Items : Are those which do not fall under above two categories   | Inspection As per Approves Quality Plan  | 3        |
| Suggested Product Control Check   | CODE NO.   |          |
| <b>A.</b> Test Certificate / BHEL Test report with material corelation  | 1  |          |
| <b>B.</b> Inspection Report in line with QA plan  | 2  |          |
| <b>C.</b> Dimensional / Inspection Report   | 3  |          |
|   | Inspection at receipt at BHEL.   | 7        |



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|---------|------------------|----------------|---|--------------------|--------------------------|--|--|--|-------------------|--|
|         | Identification   | Classification |   |                    |                          |  | NAME   | SUPPLIER CODE                                      |                   |  |
| 30      | Y                | A              | GAIROME BALL CLAY (JAPAN B C)                     | C0002849           | PS/CRM/26/00             | 06   | ISEKYU CO., LTD.   | 07   | A                 | MAR'08   |
| 31      | Y                | A              | RAW QUARTZ FOR ASSEMBLY                           | C0002843           | PS/CRM/24<br>21.01.2000  | 06   | ARAVALLI MINERALS(P) LTD<br>AJMER MINERAL GRINDING CORPORATION   | 07<br>07   | A<br>A            | MAR'08<br>MAR'08   |
| 32      | Y                | C              | Zircosil Powder                                   | 102022             | PS/CRM/19 R 02           | 06   | YOKOHAMA PRODUCTS  |  |                   |  |
| 33      | X                | B              | Bearing   |                    |                          | 03, 06<br>03, 06<br>03, 06<br>03, 06   | SKF Limited<br>FAG Limited<br>Manish Bearing Enterprises, Authorized dealer of SKF Make bearing<br>Godavari Enterprises ,Authorized Dealer of FAG make bearing   | 07<br>07<br>07<br>07                               |                   | Feb'10<br>Feb'10<br>Feb'10<br>Feb'10   |
| 34      | Y                | B              | Refractory - Mulite Slab - HTK                    |                    |                          | 03, 06<br>03, 06   | M/s Corborendum Universal<br>M/s Grindwell Norton  | 07<br>07   |                   | Feb'10<br>Feb'10   |
| 35      | X                | B              | Tabcast - 97 Mortor                               |                    |                          | 03, 06<br>03, 06   | M/s ACE Calderys<br>M/S Alltech Industries - Authorosed dealer of M/s ACE  | 07<br>07   |                   | Feb'10<br>Feb'10   |
| 36      | Y                | B              | Pillar AC-90 K                                    |                    |                          | 03, 06<br>03, 06   | M/s ACE Calderys<br>M/S Alltech Industries - Authorosed dealer of M/s ACE  | 07<br>07   |                   | Feb'10<br>Feb'10   |
| 37      | Y                | B              | Refractory - Nitride bonded Slab & SiC Pillar     |                    |                          | 03, 06<br>03, 06   | M/s Corborendum Universal<br>M/s Grindwell Norton  | 07<br>07   |                   | Feb'10<br>Feb'10   |
| 38      | Y                | B              | Other Refracory items & Mortor                    |                    |                          | 03, 06<br>03, 06<br>03, 06<br>03, 06<br>03, 06<br>03, 06<br>03, 06<br>03, 06<br>03, 06 | M/s ACE Calderys<br>M/s Corborendum Universal<br>M/s Grindwell Norton<br>M/s Maithan Ceramic Limited<br>M/s Bhaskar Refractories & SW pipes Limited<br>M/s Vishwakarma Refractories<br>M/s Bhoruka Steels & servicves Limited<br>M/s Perfect Refractories<br>M/s Valley refractories | 07<br>07<br>07<br>07<br>07<br>07<br>07<br>07<br>07 |                   | Feb'10<br>Feb'10<br>Feb'10<br>Feb'10<br>Feb'10<br>Feb'10<br>Feb'10<br>Feb'10<br>Feb'10 |

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| 1       | Y                               | A              | CAPS FOR DISC INSULATORS                       | Caps               | EL-PS-12-003<br>Dt 14/06/2006<br>& Drawings                              | 01, 03, 04, 06         | VISHAL MALLEABLE CASTINGS LTD         |               | 03, 06, 07       | B                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | HGI INDUSTRIES LTD                    |               | 03, 06, 07       | B                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | EASTERN ALLOYS PVT LTD                |               | 03, 06, 07       | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | Gold Star Steels (P) LTD              |               | 03, 06, 07       | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | JMP Industries                        |               | 03, 06, 07       | New Vendor added  |                     |
|         |                                 |                |  |                    |  | 01, 03, 04, 07         | Hitech die cast (P) Ltd               |               | 03, 06, 07       |                   |                     |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | Jayaswal Neco                         |               | 03, 06, 07       |                   |                     |
|         |                                 |                |  |                    |  |                        |                                       |               |                  |                   |                     |
| 2       | Y                               | A              | STEEL FORGINGS                                 | Ball Pins          | EL-PS-36-00103<br>R 2<br>& Drawings                                      | 01, 03, 04, 06         | SHREEJI FASTNERS                      |               | 03, 06, 07       | A1                | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | CARBO ENGINEERING WORKS               |               | 03, 06, 07       | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | THILLAI ENGG WORKS                    |               | 03, 06, 07       | B                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | A.K. ENGINEERS                        |               | 03, 06, 07       | B                 | MAR'08              |
| 3       | Y                               | A              | SECURITY CLIPS                                 | Security Clips     | JP/PS/1200/MEBNT<br>23.12.2004   | 01, 03, 06             | KAYPEE METAL UDYOG                    |               | 03, 06, 07       | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 06             | INDO ENGG. WORKS                      |               | 03, 06, 07       | B                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 06             | A.B METAL FORMER s LTD                |               | 03, 06, 07       | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 06             | R K UDYOG                             |               | 03, 06, 07       | B                 | MAR'08              |
| 4       | Y                               | A              | AL. ALLOY CASTINGS                             | AL. ALLOY CASTINGS | Drawings   | 01, 03, 06             | PANCH DHATU                           |               | 06, 07           | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 06             | CAPSO ENGRS                           |               | 06, 07           | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 06             | VARSHA CASTINGS                       |               | 06, 07           | B                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 06             | BANGALORE NON FERROUS CASTINGS        |               | 06, 07           | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 06             | A B METAL FORMER PVT LTD              |               | 06, 07           | A                 | MAR'08              |
|         |                                 |                |  |                    |  |                        |                                       |               |                  |                   |                     |
| 5       | Y                               | A              | GUN METAL CASTINGS                             | GUN METAL CASTINGS | Drawings   | 01, 03, 06             | A B METAL FORMER PVT LTD              |               | 06, 07           | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 06             | VARSHA CASTINGS                       |               | 06, 07           | B                 | MAR'08              |
|         |                                 |                |  |                    |  |                        | BANGALORE NON FERROUS CASTINGS        |               | 06, 07           | A                 | MAR'08              |
|         |                                 |                |  |                    |  |                        |                                       |               |                  |                   |                     |
| 6       | Y                               | A              | MS CASINGS                                     | CERAIN CASING      | E&D 330,331&306<br>Dt 31/07/98<br>Dt 17/01/98<br>Dt 11/06/94<br>Drawings | 01, 03, 04, 06         | M/S FLUID LINE ENGINEERS & FABRICATOR |               | 03, 06, 07       | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | A BMETAL FORMER PVT LTD               |               | 03, 06, 07       | A                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | ONS ENGINEERING WORKS                 |               | 03, 06, 07       | B                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | M/s BAJRANG BALI ENTERPRISES          |               | 03, 06, 07       | B                 | MAR'08              |
|         |                                 |                |  |                    |  | 01, 03, 04, 06         | Suchitra metal Pvt limited            |               | 03, 06, 07       | New Vendor        | Feb'10              |
|         |                                 |                |  |                    |  | 01, 03, 04, 07         | Shiv Sakti Enterprses                 |               | 03, 06, 07       | Vendor            | Feb'10              |
| 7       | Y                               | B              | MS Weld PLUGS FOR CERALIN                      | MS PLUG            | Drawings   | 03, 06                 | AMAR AUTO TRADERS                     |               | 07               | A1                | MAR'08              |
|         |                                 |                |  |                    |  | 03, 06                 | NISHANT SALES                         |               | 07               | A1                | MAR'08              |
|         |                                 |                |  |                    |  | 03, 06                 | A.B. METAL FORMERS (P) LTD            |               | 07               | A1                | MAR'08              |
|         |                                 |                |  |                    |  |                        | Shiv Shakti Enterprises               |               | 07               | New Vendor        | Feb'10              |
|         |                                 |                |  |                    |  |                        | Bajrang Bali Enterprises              |               | 07               | Vendor            | Feb'10              |

**Identification**

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- Z** Materials and Design , Tech is given by BHEL

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- C** Minor Items : Are those which do not fall under above two categories

**Suggested Product Control Check**

- A.** Test Certificate / BHEL Test report with material corelation
- B.** Inspection Report in line with QA plan
- C.** Dimensional / Inspection Report

**CODE NO.**

- 1
- 2
- 3

**Suggested Product Control Check**

- D. NDT Report 4
- E. Sample Approval Required 5
- F. Identification : Supplier name/PO No/SI No of Comp/Assy/Any other identification called in PO / Drg 6

**CODE NO.**

**SUGGESTED CONTROL CHECKS SUPPLIER**

- Inspection at supplier's works by BHEL/QC/Inspection agency appointed by BHEL 1
- Inspection of supplier's works by customer / third party - 2
- Inspection As per Approves Quality Plan 3
- Qualification of suppliers operators & process for execution of the job 4
- Sample approval required 5
- Periodical process audit by BHEL 6
- Inspection at receipt at BHEL. 7



**DEPTT: MATERIAL MANAGEMENT**

REF. NO.:  
SHEET OF 6 to 6

**PRODUCT MATERIAL DIRECTORY**

DATE OF ORIGINAL I 27/09/2007

REV. DATE: 24/02/2010

FORMAT NO.:

BHEL INSULATOR PLANT

DIRECTORY OF SUPPLIERS:

BUYING GROUP NO.: Group A

PRODUCT / INDENTING DEPTT:

| SL. NO. | TYPE OF PURCHASE |                | ITEM DESCRIPTION<br>COMPONENT / ASSEMBLY/MATERIAL | MATERIAL CATG. NO. | CORP/UNIT PURCHASE SPEC. | PRODUCT CONTROL CHECKS | SUPPLIER DETAILS                         |               |                  |                   |
|---------|------------------|----------------|---|--------------------|--------------------------|------------------------|--|---------------|------------------|-------------------|
|         | Identification   | Classification |   |                    |                          |                        | NAME                                     | SUPPLIER CODE | SUPPLIER CONTROL | CLASS OF SUPPLIER |
| 8       | Y                | A              | GALVANISING                                       | GALVANISING        | JP/TP/10<br>15.03.99     | 06                     | THAPSON CHEMICALS RAIBARELI              | 03, 06, 07    | B                | MAR'08            |
|         |                  |                |   |                    |                          | 06                     | UNITED ENGINEERS                         | 03, 06, 07    | A                | MAR'08            |
|         |                  |                |   |                    |                          | 06                     | DOON GALVANISING                         | 03, 06, 07    | A                | MAR'08            |
|         |                  |                |   |                    |                          | 06                     | AJAY GALVANISING                         | 03, 06, 07    | B                | MAR'08            |
|         |                  |                |   |                    |                          | 06                     | RADIANT GALVANING                        | 03, 06, 07    | B                | MAR'08            |
|         |                  |                |   |                    |                          | 06                     | KRISHNA GALVANING                        | 03, 06, 07    | B                | MAR'08            |
|         |                  |                |   |                    |                          | 06                     |  |               |                  |                   |
| 9       | Y                | A              | PACKING CRATES                                    | PACKING CRATES     | JP/TP/15<br>11.08.93     | 06                     | SUBHADRA INDUSTRIES                      | 06, 07        | B                | MAR'08            |
|         |                  |                |   |                    |                          | 06                     | WOOD WORLD                               | 06, 07        | A1               | MAR'08            |
|         |                  |                |   |                    |                          | 06                     | IFTIKAR TIMBER WORK                      | 06, 07        | B                | MAR'08            |
|         |                  |                |   |                    |                          | 06                     | ISHWAR PACKAGING                         | 06, 07        | B                | MAR'08            |
|         |                  |                |   |                    |                          | 06                     | RAM SAGAR & SONS                         | 06, 07        | A                | MAR'08            |
|         |                  |                |   |                    |                          | 06                     | Vikura Industries                        | 06, 07        | B                | Mar'09            |
|         |                  |                |   |                    |                          | 06                     | New Siddiqi Timber Works                 | 06, 07        | New vendor       | Feb'10            |
|         |                  |                |   |                    |                          | 03,06                  | M/S Seethalakshmi Steel Casting (P) Ltd. | 07            | B                | MAR'08            |
|         |                  |                |   |                    |                          | 03,06                  | M/S Vishal Malleable (P) Ltd             | 07            | B                | MAR'08            |
|         |                  |                |   |                    |                          | 03,06                  | M/S Eastern Alloys (P) Ltd               | 07            | B                | MAR'08            |
|         |                  |                |   |                    |                          | 03,06                  | M/S HGI Foundries                        | 07            | B                | MAR'08            |
|         |                  |                |   |                    |                          | 03,06                  | M/S Capso Engineers                      | 07            | B                | MAR'08            |
|         |                  |                |   |                    |                          | 03,06                  | M/S Gold Star Steel (P) Ltd.             | 07            | B                | MAR'08            |

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**CODE NO.**

- 1
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- 3

**Suggested Product Control Check**

- D.** NDT Report
- E.** Sample Approval Required
- F.** Identification : Supplier name/PO No/SI No of Compl/Assy/Any other identification called in PO / Drg

**CODE NO.**

- 4
- 5
- 6

**SUGGESTED CONTROL CHECKS SUPPLIER**

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- Inspection of supplier's works by customer / third party -
- Inspection As per Approves Quality Plan
- Qualification of suppliers operators & process for execution of the job
- Sample approval required
- Periodical process audit by BHEL
- Inspection at receipt at BHEL.

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- 3
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- 5
- 6
- 7

|        |          |         |                           |            |         |
|--------|----------|---------|---------------------------|------------|---------|
| DGM/MM | Sr DGM/Q | SM/Engg | Sr DGM /Prod/Tech & Civil | Sr DGM/WEX | SM- Fin |
|--------|----------|---------|---------------------------|------------|---------|