



General Note:

Page:1/5

PHONE : 91-44-28158821

GRAMS : BHARATELEC

FAX NO:

E-mail :

Web :

**OFFICE COPY****Collective No.**

9632000003

**Enquiry Date**

11.01.2020

**Due Date For  
Quotation**

28.01.2020

Please quote Enquiry No, Date and due date in all correspondences.  
This is only a request for quotation and not an order

| Item | Description                                                                                                                                                                                                                                                                                                                                              | Unit | Quantity | Delivery<br>Quantity | Schedule<br>Date |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|----------------------|------------------|
| 10   | SP5360008067<br>230X115X75MM STD.BRICK<br>WBF<br>STANDARD BRICKS AS PER IS:8 SIZE :<br>230x115x75mm                                                                                                                                                                                                                                                      | NO   | 5000.000 | 5,000.00             | 30.03.20         |
| 20   | SP5360054689<br>CHARGER BLOCK ASSY 304714<br>WBF<br>CHARGER BLOCK ASSY DRG NO :<br>3-7-1150-01-04714/00<br>MATERIAL : 55% AL2O3<br>SPECIFICATION : AL2O3% MIN : 55+ OR-1.5<br>Fe2O3%MIN : 1.7<br>PCE SK MIN : 35 RUL Deg.C : MIN 1570 PLC<br>% MAX : 1500 Deg.C for 2hrs<br>+/-0.5% max AP %MAX : 21 CCS kg/sq.CM. :<br>MIN 350                          | SET  | 10.000   | 10.00                | 30.03.20         |
| 30   | SP5360061049<br>SKEW BACK - RH 406284 RHF<br>SKEW BACK - RH FOR CHARGING < (> &< )><br>DISCHARGING DOORS<br>DRG NO :4-7-1101-01-06284/00<br>MATERIAL: 55-60% AL2O3 SPECIFICATION:<br>AL2O3 :55-60% Fe2 O3 :1%(MAX)<br>P.C.E :36 ORTON CONE RUL ta :1560 degree<br>C<br>APPARANT POROSITY :22-25% CC S :OVER<br>350kgs/cmsq<br>SERVICE TEMP :1600 deg C   | NO   | 10.000   | 10.00                | 30.03.20         |
| 40   | SP5360061057<br>SKEW BACK - LH 406285 RHF<br>SKEW BACK - LH FOR CHARGING < (> &< )><br>DISCHARGING DOORS<br>DRG NO :4-7-1101-01-06285/01<br>MATERIAL: 55-60% AL2O3 SPECIFICATION:<br>AL2O3:55-60% Fe2 O3 :1%(MAX) P.C.E<br>:36 ORTON CONE RUL ta :1560 degree C<br>APPARANT POROSITY :22-25%<br>C C S :OVER 350KGS/CM.SQ SERVICE TEMP<br>:1600 DEGREE C. | NO   | 10.000   | 10.00                | 30.03.20         |
| 50   | SP5360061065<br>END ARCH 406286 RHF<br>END ARCH FOR RHF CHARGING < (> &< )><br>DISCHARGING DOORS.                                                                                                                                                                                                                                                        | NO   | 20.000   | 20.00                | 30.03.20         |

The offers should reach us 30 minutes before the time of opening of tenders.  
The offers will be opened at 14.30 hrs on the due date of tender in the presence of  
tenderers who have submitted their offer and who may like to be present for the tender  
opening.Late and delayed offers are liable to be rejected.

Yours faithfully,  
For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE  
(SSTP)



| 9632000003 / 11.01.2020                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                    | 23505 |                                                                                                   |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------|-----------------|
|                                                                                                                                                                                                                                                                                                                    | DRG NO :4-7-1101-01-06286/00 MATERIAL SPECIFICATION: RAW MATERIAL BASE ANDALUSITE MULLITE Fe2 O3 :1%(MAX) P.C.E :36 ORTON CONE R.U.L.ta :1560 degree C APPARENT POROSITY :22-25% C C S :OVER 350KGS/CM.SQ SERVICE TEMP :1600 DEGREE C                                                                                              |       |                                                                                                   |                 |
| 60                                                                                                                                                                                                                                                                                                                 | SP5360061073<br>END ARCH 406287 RHF<br>END ARCH FOR CHARGING < (> &< )><br>DISCHARGING DOORS DRG NO : 4-7-1101-01-06287/00 MATERIAL SPECIFICATION: RAW MATERIAL BASE ANDALUSITE MULLITE Fe2O3 :1%(MAX) P.C.E :36 ORTON CONE R.U.L.ta :1560 degree C APPARENT POROSITY :22-25% C C S :OVER 350KGS/CM.SQ SERVICE TEMP :1600 DEGREE C | NO    | 25.000                                                                                            | 25.00 30.03.20  |
| 70                                                                                                                                                                                                                                                                                                                 | SP5360061219<br>INNER WALL SUPPORTING BRICK 406305 RHF<br>INNER WALL SUPPORTING BRICK DRG NO :4-7-1101-01-06305/00 MATERIAL : 55%-60% Al2O3 SPECIFICATION : AL2O3:55-60 % Fe2 O3 :1% MAX P.C.E : 35 ORTON CONE R.U.L ta :1560 deg C APPARENT POROSITY :22-25% C C S :OVER 350Kg/cm.Sq SERVICE TEMP :1600 deg C                     | NO    | 200.000                                                                                           | 200.00 30.03.20 |
| 80                                                                                                                                                                                                                                                                                                                 | SP5360061286<br>INNER WALL SHAPE BRICK-I 406312 RHF<br>INNER WALL SHAPE BRICK-I DRG NO :4-7-1101-01-06312/01 MATERIAL : 55%-60% Al2O3 SPECIFICATION : AL2O3 :55-60 % Fe2 O3 :1% MAX P.C.E : 35 ORTON CONE R.U.L ta :1560 deg C APPARENT POROSITY:22-25% CCS :OVER 350Kg/cm.Sq SERVICE TEMP :1600 deg C                             | NO    | 150.000                                                                                           | 150.00 30.03.20 |
| 90                                                                                                                                                                                                                                                                                                                 | SP5360061294<br>INNER WALL SHAPE BRICK-II 406313 RHF<br>INNER WALL SHAPE BRICK-II DRG NO :4-7-1101-01-06313/01 MATERIAL : 55%-60% Al2O3 SPECIFICATION : AL2O3:55-60 % Fe2 O3 :1% MAX P.C.E : 35 ORTON CONE R.U.L ta :1560 deg C APPARENT POROSITY :22-25% CCS :OVER 350Kg/cm.Sq SERVICE TEMP :1600 deg C                           | NO    | 100.000                                                                                           | 100.00 30.03.20 |
| 100                                                                                                                                                                                                                                                                                                                | SP5360061308                                                                                                                                                                                                                                                                                                                       | NO    | 400.000                                                                                           | 400.00 30.03.20 |
| The offers should reach us 30 minutes before the time of opening of tenders. The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening.Late and delayed offers are liable to be rejected. |                                                                                                                                                                                                                                                                                                                                    |       | Yours faithfully,<br>For <b>BHARAT HEAVY ELECTRICALS LIMITED</b><br><br>MANAGER / PURCHASE (SSTP) |                 |



| 9632000003 / 11.01.2020                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                          |    | 23505                                                                                                |        |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------|--------|----------|
| 110                                                                                                                                                                                                                                                                                                                         | <p>INNER WALL SHAPE BRICK-III<br/>406314 RHF<br/>INNER WALL SHAPE BRICK-III DRG NO<br/>:4-7-1101-01-06314/01<br/>MATERIAL : 55%-60% Al<sub>2</sub>O<sub>3</sub> SPECIFICATION :<br/>AL<sub>2</sub>O<sub>3</sub>:55-60 %<br/>Fe<sub>2</sub> O<sub>3</sub> :1% MAX P.C.E : 35 ORTON CONE<br/>R.U.L ta :1560 deg C<br/>APPARENT POROSITY :22-25% CCS :OVER<br/>350Kg/cm.Sq<br/>SERVICE TEMP :1600 deg C</p> | NO | 400.000                                                                                              | 400.00 | 30.03.20 |
| 120                                                                                                                                                                                                                                                                                                                         | <p>INNER WALL SHAPE BRICK-IV<br/>406315 RHF<br/>INNER WALL SHAPE BRICK-IV DRG NO<br/>:4-7-1101-01-06315/00<br/>MATERIAL : 55%-60% Al<sub>2</sub>O<sub>3</sub> SPECIFICATION :<br/>AL<sub>2</sub>O<sub>3</sub> :55-60 %<br/>Fe<sub>2</sub> O<sub>3</sub> :1% MAX P.C.E : 35 ORTON CONE<br/>R.U.L ta :1560 deg C<br/>APPARENT POROSITY:22-25% C C S :OVER<br/>350Kg/cm.Sq<br/>SERVICE TEMP :1600 deg C</p> | NO | 150.000                                                                                              | 150.00 | 30.03.20 |
| 130                                                                                                                                                                                                                                                                                                                         | <p>STD END ARCH 230X113X75/50<br/>RHF<br/>STD END ARCH SIZE :230X113X75/50mm<br/>MATERIAL :55%-60% Al<sub>2</sub> O<sub>3</sub><br/>SPECIFICATION: AL<sub>2</sub>O<sub>3</sub> :55-60% Fe<sub>2</sub><br/>O<sub>3</sub>:1%(MAX)<br/>P.C.E :36 ORTON CONE R.U.L.ta :1560 deg.C<br/>APPARENT POROSITY :22-25% CCS :OVER<br/>350KGS/CM.SQ<br/>SERVICE TEMP :1600 DEGREE C.</p>                              | NO | 100.000                                                                                              | 100.00 | 30.03.20 |
| 140                                                                                                                                                                                                                                                                                                                         | <p>STD END ARCH 230X113X75/65<br/>RHF<br/>STD END ARCH SIZE :230X113X75/65mm<br/>MATERIAL :55% -60% Al<sub>2</sub>O<sub>3</sub><br/>SPECIFICATION: AL<sub>2</sub>O<sub>3</sub> :55-60% Fe<sub>2</sub><br/>O<sub>3</sub>:1%(MAX)<br/>P.C.E :36 ORTON CONE R.U.L.ta :1560 deg.C<br/>APPARENT POROSITY :22-25% C C S<br/>:OVER 350KGS/CM.SQ<br/>SERVICE TEMP :1600 DEGREE C</p>                             | NO | 120.000                                                                                              | 120.00 | 30.03.20 |
|                                                                                                                                                                                                                                                                                                                             | <p>HEARTH TOP OUTER SLAB BLOCK<br/>406278 RHF<br/>HEARTH TOP OUTER SLAB BLOCK DRG NO<br/>:4-7-1101-01-06278/00<br/>MATERIAL :80% Al<sub>2</sub>O<sub>3</sub> Specification: AL<sub>2</sub> O<sub>3</sub><br/>%MIN : 80 + or- 1.5<br/>PCE SK MIN: 36 RUL ta deg C MIN : 1630<br/>PLC %MAX :+ /- 0.5 @ 1600 deg C<br/>For 1 hour AP %MAX : 16 for M/C, 19 for<br/>HM CCS Kgs/ cm sq MIN :800 FOR</p>       |    |                                                                                                      |        |          |
| The offers should reach us 30 minutes before the time of opening of tenders.<br>The offers will be opened at 14.30 hrs on the due date of tender in the presence of<br>tenderers who have submitted their offer and who may like to be present for the tender<br>opening.Late and delayed offers are liable to be rejected. |                                                                                                                                                                                                                                                                                                                                                                                                          |    | Yours faithfully,<br>For <b>BHARAT HEAVY ELECTRICALS LIMITED</b><br><br>MANAGER / PURCHASE<br>(SSTP) |        |          |



| 9632000003 / 11.01.2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |          |          | 23505                                                                                                |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|----------|------------------------------------------------------------------------------------------------------|-----------------|
| 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SP5360080230 | NO       | 550.000  | 550.00                                                                                               | 30.03.20        |
| <p>M/C,500 FOR HM BD qm/cc MIN :2.8 FOR<br/>M/C, 2.7 FOR HM SPALLING CYCLES<br/>-MIN :+ 30 air quenching at 1600 C For 1 hr<br/>Size tolerance whichever is<br/>greater: + or -1% or + /- 2mm</p> <p>HEARTH TOP INNER SLAB BLOCK<br/>406279 RHF<br/>HEARTH TOP INNER SLAB BLOCK DRG NO :<br/>4-7-1101-01-06279/00<br/>MATERIAL : 80% AL2O3 Specification: AL2 O3<br/>%MIN : 80 + or-1.5<br/>PCE SK MIN : 36 RUL ta deg C MIN : 1630<br/>PLC %MAX : + or-0.5 @ 1600 deg C<br/>FOR 1 hour AP %MAX : 16 for M/C 19 for<br/>HM CCS Kgs/ cm sq MIN : 800 FOR<br/>M/C 500 FOR HM BD qm/cc MIN : 2.8 FOR<br/>M/C 2.7FOR HM SPALLING CYCLES -MIN<br/>:+ 30 air quenching at 1600 deg C FOR 1 hour<br/>Size tolerance whichever is<br/>greater : + or-1% or + /- 2mm</p> |              |          |          |                                                                                                      |                 |
| <b>General Note:</b><br>Note to Supplier:<br>1. The relevant chemical composition data sheet/leaflet/catalogue may be supplied along with offer for technical comparison of the product.<br>2. Pre-Cast Press Fire(PCPF) manufacturing process is required for better quality<br>3. Test Certificate for Heat Treatment, Chemical Composition to be produced along with supply.<br>4. Materials are to be dispatched with PALLET PACKING and to avoid any transit damage.                                                                                                                                                                                                                                                                                       |              |          |          |                                                                                                      |                 |
| <b>Enclosures:</b><br><br>"LD clause has to be confirmed without fail."<br>The bidder along with its associate / collaborators / sub-contractors / sub-vendors / consultants /service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <a href="http://www.bhel.com">http://www.bhel.com</a> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.                                                                                                                                                                                                                                                                                      |              |          |          |                                                                                                      |                 |
| <b>PR Links</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |          |          |                                                                                                      |                 |
| Material.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PR.No        | PR.Item. | Quantity | Acc. Assign                                                                                          | Customer Number |
| SP5360008067                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 126379242    | 00010    |          | /000000                                                                                              |                 |
| The offers should reach us 30 minutes before the time of opening of tenders.<br>The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening.Late and delayed offers are liable to be rejected.                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |          |          | Yours faithfully,<br>For <b>BHARAT HEAVY ELECTRICALS LIMITED</b><br><br>MANAGER / PURCHASE<br>(SSTP) |                 |



| 9632000003 / 11.01.2020                                                                                                                                                                                                                                                                                                     |           |          |          | 23505                                                                                                |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|----------|------------------------------------------------------------------------------------------------------|-----------------|
| Material.                                                                                                                                                                                                                                                                                                                   | PR.No     | PR.Item. | Quantity | Acc. Assign                                                                                          | Customer Number |
|                                                                                                                                                                                                                                                                                                                             |           |          | 5000.000 |                                                                                                      |                 |
| SP5360054689                                                                                                                                                                                                                                                                                                                | 126379242 | 00020    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 10.000   |                                                                                                      |                 |
| SP5360061049                                                                                                                                                                                                                                                                                                                | 126379242 | 00030    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 10.000   |                                                                                                      |                 |
| SP5360061057                                                                                                                                                                                                                                                                                                                | 126379242 | 00040    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 10.000   |                                                                                                      |                 |
| SP5360061065                                                                                                                                                                                                                                                                                                                | 126379242 | 00050    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 20.000   |                                                                                                      |                 |
| SP5360061073                                                                                                                                                                                                                                                                                                                | 126379242 | 00060    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 25.000   |                                                                                                      |                 |
| SP5360061219                                                                                                                                                                                                                                                                                                                | 126360771 | 00010    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 200.000  |                                                                                                      |                 |
| SP5360061286                                                                                                                                                                                                                                                                                                                | 126360771 | 00020    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 150.000  |                                                                                                      |                 |
| SP5360061294                                                                                                                                                                                                                                                                                                                | 126360771 | 00030    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 100.000  |                                                                                                      |                 |
| SP5360061308                                                                                                                                                                                                                                                                                                                | 126360771 | 00040    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 400.000  |                                                                                                      |                 |
| SP5360061324                                                                                                                                                                                                                                                                                                                | 126360771 | 00050    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 400.000  |                                                                                                      |                 |
| SP5360061618                                                                                                                                                                                                                                                                                                                | 126379242 | 00070    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 150.000  |                                                                                                      |                 |
| SP5360061642                                                                                                                                                                                                                                                                                                                | 126379242 | 00080    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 100.000  |                                                                                                      |                 |
| SP5360080221                                                                                                                                                                                                                                                                                                                | 126360771 | 00060    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 120.000  |                                                                                                      |                 |
| SP5360080230                                                                                                                                                                                                                                                                                                                | 126360771 | 00070    |          | /000000                                                                                              |                 |
|                                                                                                                                                                                                                                                                                                                             |           |          | 550.000  |                                                                                                      |                 |
| <b><u>list of suppliers</u></b>                                                                                                                                                                                                                                                                                             |           |          |          |                                                                                                      |                 |
| <b>RFQ-5200008802</b>                                                                                                                                                                                                                                                                                                       |           |          |          |                                                                                                      |                 |
| <b>Open Tender Dummy Code</b>                                                                                                                                                                                                                                                                                               |           |          |          |                                                                                                      |                 |
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