

# **TENDER SPECIFICATION**

## **BHE/PW/PUR/SKT-MECH (VT)/1185**

FOR  
Erection & Commissioning work  
of Three separate packages

**PACKAGE B:- Vertical Turbine Pumps:** Receipt of materials from BHEL Store/ storage yards; Handling at BHEL Store/ storage yards/ site of works; Transportation between BHEL Store/ storage yards and site of works; preparation of foundations; fabrication of packer plates from raw materials, cutting of required shims, drilling, tapping, blue matching of components/equipment, assembly/ trial assembly of components, erection, leveling and alignment of loose components, welding, adjustment pump shafts, greasing components (as required) of Vertical Turbine Pump with Motor – 24 sets as per the details mentioned in Annexure-A); grouting of Vertical Turbine Pumps foundation bolts & Sole plates with non-shrink (free flow) grout materials Conbextra GP-2 cement; testing; trial run, commissioning and handing over for Unit-3 &4

**AT**

**SIKKA THERMAL POWER STATION**  
**GUJARAT STATE ELECTRICITY CORPORATION LIMITED**  
**DIST- JAMNAGAR , GUJARAT**

**VOLUME – II.2 – PRICE BID**  
**(PACKAGE.B)**



**BHARAT HEAVY ELECTRICALS LIMITED**  
**(A GOVERNMENT OF INDIA UNDERTAKING)**  
**POWER SECTOR - WESTERN REGION**  
**345, KINGS WAY - NAGPUR 440 001**

**BHARAT HEAVY ELECTRICALS LIMITED**  
(A GOVERNMENT OF INDIA UNDERTAKING)  
POWER SECTOR - WESTERN REGION  
SHREEMOHINI COMPLEX  
345, KINGS WAY - NAGPUR 440 001

**TENDER SPECIFICATION NO. BHE/PW/PUR/SKT-MECH (VT)/1185**

FOR

**PACKAGE B:- Vertical Turbine Pumps:** Receipt of materials from BHEL Store/ storage yards; Handling at BHEL Store/ storage yards/ site of works; Transportation between BHEL Store/ storage yards and site of works; preparation of foundations; fabrication of packer plates from raw materials, cutting of required shims, drilling, tapping, blue matching of components/equipment, assembly/ trial assembly of components, erection, leveling and alignment of loose components, welding, adjustment pump shafts, greasing components (as required) of Vertical Turbine Pump with Motor – 24 sets as per the details mentioned in Annexure-A); grouting of Vertical Turbine Pumps foundation bolts & Sole plates with non-shrink (free flow) grout materials Conbextra GP-2 cement; testing; trial run, commissioning and handing over for Unit-3 &4.

**AT**  
**2X250 MW SIKKA THERMAL POWER STATION**  
**GUJARAT STATE ELECTRICITY CORPORATION LIMITED**  
**DIST- JAMNAGAR , GUJARAT**

THESE TENDER DOCUMENTS CONTAINING TECHNICAL BID AND PART- II PRICE BID, ARE ISSUED TO:

M/s. ....  
.....

(THESE TENDER DOCUMENTS ARE NOT TRANSFERABLE)

FOR BHARAT HEAVY ELECTRICALS LIMITED

AGM (PURCHASE)

PLACE: NAGPUR

DATE:

**BHEL-PSWR-NAGPUR**

**VOLUME-II PRICE BID (RATE SCHEDULE)**

**Tender Specification NO: BHE/PW/PUR/SKT-MECH (VT)/1185**

**Schedule of Rates and Quantities**

|         | <b>PACKAGE –B: Vertical Turbine Pumps</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                                              |                             |                                    |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------|-----------------------------|------------------------------------|
|         | <p>Total estimated weight of <b>24 sets</b> of the Vertical Turbine Pump &amp; Motor is 77.720 MT.</p> <p>Receipt of materials from BHEL Store / storage yards; Handling at BHEL Store / storage yards / site of works; Transportation between BHEL Store / storage yards and site of works; preparation of foundations; fabrication of packer plates from raw materials, cutting of required shims, drilling, tapping, blue matching of components/equipment, assembly / trial assembly of components, erection, leveling and alignment of loose components, welding, adjustment pump shafts, greasing components (as required) of <b>Vertical Turbine Pump with Motor – 24 sets as per the details mentioned in Annexure-A</b>); grouting of Vertical Turbine Pumps foundation bolts &amp; Sole plates with non-shrink (free flow) grout materials Conbextra GP-2 cement; testing; trial run, commissioning and handing over at 2x250 MW GSECL Sikka TPS Extn Unit 3&amp;4 Project at Sikka <b>AS PER TENDER SPECIFICATIONS: BHE/PW/PUR/SKT-PIN/1177</b></p> |          |                                              |                             |                                    |
| Sl. No. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quantity | Unit Rate per Pump set in Rupees (In figure) | Unit rate in Words (Rupees) | Total amount in Rupees (In figure) |
| 1.      | CW MAKE UP PUMPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 NOS.   |                                              |                             |                                    |
| 2.      | PORTABLE WATER PUMPS (COLONY)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 NOS.   |                                              |                             |                                    |
| 3.      | PORTABLE WATER PUMPS (PLANT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2 NOS.   |                                              |                             |                                    |
| 4.      | APH SEAL WATER PUMPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2 NOS.   |                                              |                             |                                    |
| 5.      | HVAC MAKE UP PUMPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3 NOS.   |                                              |                             |                                    |
| 6.      | APH PUMPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 NOS.   |                                              |                             |                                    |
| 7.      | CHP DUST SEPARATION PUMPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 NOS.   |                                              |                             |                                    |
| 8.      | APH WASH PUMPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2 NOS.   |                                              |                             |                                    |
| 9.      | SERVICE WATER PUMPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 NOS.   |                                              |                             |                                    |
| 10.     | BLOW DOWN PUMPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 NOS.   |                                              |                             |                                    |
| A.1     | <b>Total Amount for entire scope of work (Package B) in figure (In Rs.)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                                              |                             |                                    |

DATE

SIGNATURE OF BIDDER

**BHEL-PSWR-NAGPUR**

**VOLUME-II PRICE BID (RATE SCHEDULE)**

**Tender Specification NO: BHE/PW/PUR/SKT-MECH (VT)/1185**

**Schedule of Rates and Quantities**

|                                                                                                                                                                                              |                                                                                         |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                              |                                                                                         |  |
| A.2                                                                                                                                                                                          | <b>Total Amount for entire scope of work in words<br/>(PACKAGE B) In words (In Rs.)</b> |  |
| <b><u>NOTE: 1. Evaluation shall be on the basis of Total Amount for all types of Pumps. However, Payments and Penalties shall be with reference to rates quoted for respective item.</u></b> |                                                                                         |  |

DATE

SIGNATURE OF BIDDER