

# **NTPC Limited**

( A Government of India Enterprise )

## **Bongaigaon Thermal Power Project**

PO Salakati, Dist Kokrajhar

Salakati

Assam- 783369, India

Telephone No. : 03661-282742/282731 Fax No. : 03661-282742

### **Service Purchase Order**

CIN No. : L40101DL1975GOI007966

GST No. : 18AAACN0255D1ZX

**Purchase Order No. : 4000207616-056-1042 Date : 27.07.2018 ( version : 0 )**

**To**

**Vendor Code : 1040602 (SME Vendor)**

ASHBOND ENGINEERS PVT LTD  
B-9/3 MIAWALI NAGAR ROHTAK ROAD  
NEW DELHI  
Delhi  
India - 110087  
Tel: 011-25271161  
Fax: 011-25264696  
E-Mail : ashbond100@gmail.com

**Subject:** : SERVICING OF HPBP SYSTEM AT NTPC-BONGAIGAON.

**NIT NO.** : 9900157448 Dated

**Your Offer No.** : I) YOUR GEPNIC OFFER NO. 13542 DATED: 11.06.2018.  
II) YOUR MAIL DATED: 29.06.2018.

**Your Reference** : I) YOUR GEPNIC OFFER NO. 13542 DATED: 11.06.2018.  
II) YOUR MAIL DATED: 29.06.2018.

Dear Sir,

This has reference to our above mentioned NIT, Your offer and subsequent discussions. We are pleased to accept your offer opened on and confirm having awarded on you the work of SERVICING OF HPBP SYSTEM AT NTPC-BONGAIGAON. of total value INR 662,200.00 (Rupee SIX LAKH SIXTY-TWO THOUSAND TWO HUNDRED ONLY) mentioned in the scope of works, special terms & conditions, Bill of quantities etc.

The duration of the service period shall be from 10.08.2018 to 09.08.2019. Though the duration of contract shall remain same, the actual date of commencement of the contract shall be as per the direction of EIC. Sh. A.R. Mondal, AGM (C&I) shall be EIC for this work.

This service purchase order along with its annexure is being issued to you in duplicate .We request you to return the duplicate copy of this service purchase order, duly signed on each page by your authorised signatory in token of your unequivocal acknowledgment of the same within 15 days from the date of this service purchase order. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

We thank you for the interest shown by you in our project and the cooperation extended to us. We expect to receive your continued cooperation in future also.

Thanking You,

For & on behalf of NTPC Limited.

*Gugu Perme*  
Gugu Perme  
Mgr. (C&M)

**Enclosures :**

## (Bill of Quantity)

Name of Work:

SERVICING OF HPBP SYSTEM AT NTPC-BONGAIGAON.

SI No.	Code	Description	Unit	Quantity	Net Price	Amount	Long Text
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**Delivery Address:**

Bongaigaon Thermal Power Project  
 PO Salakati, Dist Kokrajhar Salakati  
 Assam  
 783369  
 India  
 03661-282742/282731  
 03661-282742  
**GST No. :** 18AACN0255D1ZX

10	SERVICING OF HP BYPASS SYSTEM	AU	1.000	522,500.00	522,500.00	
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**Tax:** IN:Integrated GST-ND @ 18.00 % Extra

10 .10	CIHPB58OH001	HPBP Valves (SERVO VV ST10-4/5) OH	AU	6	33,500.0000	201,000.00	YES
10 .20	CIHPB51OH001	HPBP Valves (OIL SYS) OH	NO	2	52,500.0000	105,000.00	YES
10 .30	CIHPB54OH000	HPBP Valves (ACTUATOR) Serv	DAY	3	26,000.0000	78,000.00	YES
10 .40	CIHPB54OH001	HPBP Valves (ACTUATOR) OH	NO	2	36,500.0000	73,000.00	YES
10 .50	CIMSW00GN819	MISC WORKS (<>) REPAIRING	NO	2	26,000.0000	52,000.00	YES
10 .60	CIMSW00OH000	Misc Works (<>) Serv	NO	1	13,500.0000	13,500.00	YES

TOTAL OF BOQ PART : 00010

INR 522500.00

**Amount**

Other Charges

522500.00

0.00

Net Amount on BOQ PART : 00010

INR 522500.00

20	HPBP Valves (ACTUATOR) MAT SUPPLY	AU	1.000	139,700.00	139,700.00	
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**Tax:** IN:Integrated GST-ND @ 18.00 % Extra

20 .10	CIHPB54OH002	HPBP Valves (ACTUATOR) MAT SUPPLY	SET	1	139,700.0000	139,700.00	YES
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TOTAL OF BOQ PART : 00020

INR 139700.00

**Amount**

Other Charges

139700.00

0.00

Net Amount on BOQ PART : 00020

INR 139700.00

Net Total Amount INR 662,200.00  
 Less Rebate/Amount INR 0.00  
 Grand Total INR 662,200.00

INR SIX LAKH SIXTY-TWO THOUSAND TWO HUNDRED ONLY



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**Terms & Conditions****Special Instruction****A. DETAIL SCOPE OF WORK:**

BOQ No. 10.10:

- A. Remove the Servo V/V (ST-10, 4 /ST-10, 63) and blocking unit BL-10 from the actuator (one No. each).
- B. Clean & service all internals.
- C. Replace the seals, filter and other parts, if required.
- D. Mount the SV & BL on the actuator, check operation electrically from remote.

BOQ No. 10.20:

- A. Remove oil from the tank (oil supply unit OV 32).
- B. Clean & service all internals of oil unit.
- C. Replace the seals, filters (suction and pr. filter) and other parts if required.
- D. Adjust the pr. switch (for start/ stop of the pump), pr. regulator reducer, safety valve.
- E. Check the pump start pr. / stop pr. / pr. too low and too high sets.
- F. Check pr. after the pr. reducer for proper value.
- G. Do oil flushing and replace the line filters.
- H. Fill fresh oil in the tank.
- I. Fill gas in the Accumulator if required.

BOQ No. 10.30:

- A. Remove the actuator ASM 100 from the valve after decoupling.
- B. Clean & service all internals.
- C. Replace the seals and other parts, if required.
- D. Mount the actuator and coupled, check operation electrically.
- E. Calibrate valve actuator, adjust position transmitter, if required.

BOQ No. 10.40:

- A. Remove the actuator ASM 200 from the valve after decoupling.
- B. Clean & service all internals.
- C. Replace the seals and other parts, if required.
- D. Mount the actuator and coupled, check operation electrically.
- E. Calibrate valve actuator, adjust position transmitter if required.

BOQ No. 10.50:

- A. Remove the quick stroking device SSB-10 from the actuator.
- B. Clean & service all internals.
- C. Replace the seals, filter and other parts if required.
- D. Mount the SSB-10 on the actuator, check operation electrically.

BOQ No. 10.60:

- A. Remove the ON OFF Control unit APL 6 from the actuator.
- B. Clean & service all internals.
- C. Replace the seals, filter and other parts, if required.
- D. Mount the ON OFF Control unit APL 6 on the actuator, check operation electrically.

BOQ No. 10.70:

Vendor will supply mandatory spares for servicing of the following equipment with quantities as follows. Vendor to follow their standard list of mandatory spares for the servicing of the equipments;

- |   |                |
|---|----------------|
| A. Mandatory spares for servicing of Servo Valve ST-10, 4     | Qty. - 04 set  |
| B. Mandatory spares for servicing of Servo Valve ST-10, 63    | Qty. - 04 set  |
| C. Mandatory spares for servicing of Blocking Unit BL-10      | Qty. - 08 set  |
| D. Mandatory spares for servicing of Oil Supply Unit OV 32    | Qty. - 02 set  |
| E. Mandatory spares for servicing of Quick Open Device SSB-10 | Qty. - 02 set  |
| F. Mandatory spares for servicing of ON OFF control Unit APL6 | Qty. - 02 set. |



The above mandatory spares are required for the servicing of the above equipment as stated in the scope of BOQ No.-10.10 to 10.70, hence these spares to be supplied at the time of servicing of the above equipment or before.

#### B. COMMON TERMS & CONDITION FOR ALL BOQ:

1. All the work of BOQ No. 10.10 to 10.70 to be done at the time of unit overhauling/shutdown. The tentative date of start of overhauling / shutdown is 15.09.2018. Exact date will be intimated to vendor in 10 days advance.
2. The duration of the servicing will be 15 days and 2 service engineers will attend the servicing. If the service gets extended due to any other reasons in site, the service charge per day will be Rs. 5,000.00 for 1 person.
3. The vendor has to complete the jobs at least 4 days before the end of overhauling/shutdown.
4. If it seems to NTPC that some of the work is not required due to time constraint or depending on the condition / healthiness of the equipment that will be informed to the vendor.
5. NTPC will provide 3 Fitters/Helper for assistance in jobs like cleaning, carrying of tool / tackles and handling of heavy equipments, carrying of oils, gas cylinder, etc. It is responsibility of vendor's engineer to get the job done in time.
6. General type of tools like Multimeter, screw driver, Spanner set, etc. will be provided by NTPC free of cost for the servicing work. However if any special tool is required, the same shall be arranged by the vendor.
7. a) In case any spares other than the mandatory spares is required for completion of any job that will be provided by NTPC. Spare line filters, suction filters and pr. filters will be in scope of NTPC.  
b) Consumables required for servicing work like petrol/ diesel, cotton waste, cloth etc. will be provided by NTPC.
8. The vendor's engineer will report to the EIC on reaching the site.
9. All the work to be carried out at the time of Unit overhauling only. As the period of overhauling is fixed, the vendor should strictly follow the work schedule as decided by the EIC.
10. The vendor's engineers should have covered under group insurance scheme as per workman compensation Act.
11. Vendor shall abide by all statutory safety regulations and provide personal Protective Equipment's (PPEs) to his engineers.

#### C. OTHER TERMS AND CONDITION:

1. Quoted price should be inclusive of To and Fro journey fare.
2. NTPC will provide free boarding & lodging at NTPC site.
3. Taxes: GST as applicable shall be paid extra on production of documentary evidence.
4. Completion Period: 12 month from the date of award of contract.
5. Defect liability period: Nil.
6. Payment Term: 100% payment after completion of work. After the completion of servicing work to the satisfaction of EIC, the vendor will have to submit the bill. The payment will be done after certification of EIC.
7. Date of commencement: Shall be linked with shutdown programme of Unit#2 of BgTPP. (tentative date is 15.09.18)
8. AGM (O&M/C&I) or his authorized representative is the Engineer-in-Charge for this job.



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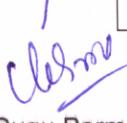
9. NTPC will provide free transportation for To & Fro from site to guest house/ place of stay.
10. Necessary gate pass for round the clock working and working on holidays will be provided for servicing engineers.
11. Any other spares if found damaged during inspection and site servicing will be at extra cost.
12. Contract Agreement: You are requested to enter into a formal agreement with us on non-judicial stamp paper of appropriate value within a period of one month from the date of issue of the letter of award or before the date of processing of 1st interim / RA bill. Please note that no payment shall be made in absence of contract agreement.
13. All other condition shall be as per general condition of contract (O&M Works) of NTPC Ltd.



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**Break up of Price (For Service Related Lines Only)**

<b>SI No.</b>	<b>Service Code</b>	<b>Description</b>	<b>Qty.</b>	<b>UOM</b>	<b>Rate</b>	<b>Premium</b>	<b>Discount</b>	<b>Addl Discount</b>	<b>Net Rate</b>	<b>Value</b>
10 .10	CIHPB58O H001	HPBP Valves (SERVO VV ST10-4/5) OH	6	AU	33,500.00	0.00	0.00	0.00	33,500.00 00	201,000.00
10 .20	CIHPB51O H001	HPBP Valves (OIL SYS) OH	2	NO	52,500.00	0.00	0.00	0.00	52,500.00 00	105,000.00
10 .30	CIHPB54O H000	HPBP Valves (ACTUATOR) Serv	3	DAY	26,000.00	0.00	0.00	0.00	26,000.00 00	78,000.00
10 .40	CIHPB54O H001	HPBP Valves (ACTUATOR) OH	2	NO	36,500.00	0.00	0.00	0.00	36,500.00 00	73,000.00
10 .50	CIMSW00 GN819	MISC WORKS (<>) REPAIRING	2	NO	26,000.00	0.00	0.00	0.00	26,000.00 00	52,000.00
10 .60	CIMSW00 OH000	Misc Works (<>) Serv	1	NO	13,500.00	0.00	0.00	0.00	13,500.00 00	13,500.00
20 .10	CIHPB54O H002	HPBP Valves (ACTUATOR) MAT SUPPLY	1	SET	139,700.00	0.00	0.00	0.00	139,700.00 000	139,700.00



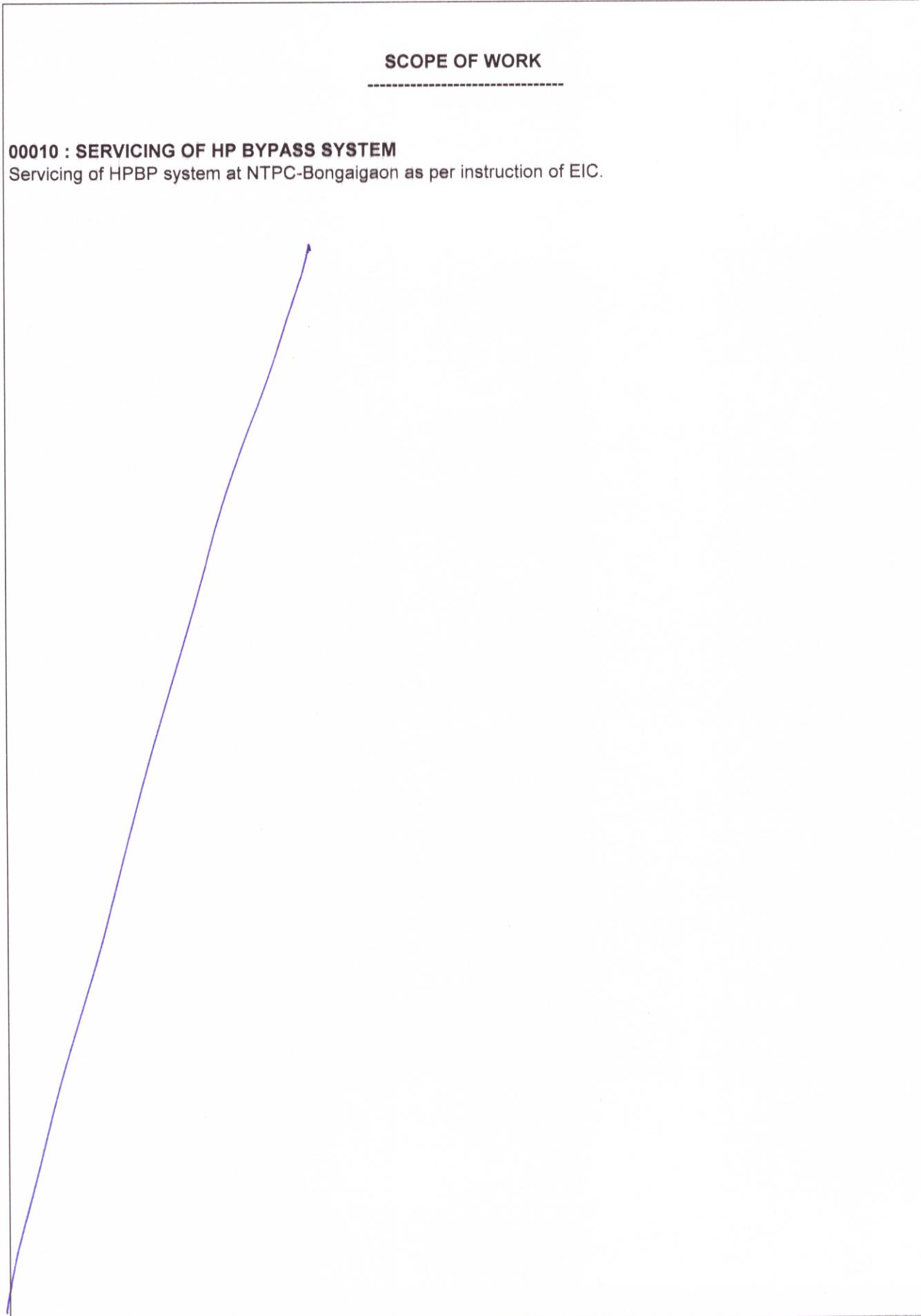
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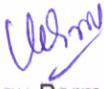
## SCOPE OF WORK

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### 00010 : SERVICING OF HP BYPASS SYSTEM

Servicing of HPBP system at NTPC-Bongaigaon as per instruction of EIC.



  
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**SERVICE SPECIFICATIONS**

**10 .10 - CIHPB58OH001 (HPBP Valves (SERVO VV ST10-4/5) OH)**  
As Per SOW

**10 .20 - CIHPB51OH001 (HPBP Valves (OIL SYS) OH)**  
As Per SOW

**10 .30 - CIHPB54OH000 (HPBP Valves (ACTUATOR) Serv)**  
As Per SOW

**10 .40 - CIHPB54OH001 (HPBP Valves (ACTUATOR) OH)**  
As Per SOW

**10 .50 - CIMS00GN819 (MISC WORKS (<>) REPAIRING)**  
As per SOW

**10 .60 - CIMS00OH000 (Misc Works (<>) Serv)**  
As Per SOW

**20 .10 - CIHPB54OH002 (HPBP Valves (ACTUATOR) MAT SUPPLY)**  
As Per SOW

Prepared By:  
GUGU PERME



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