

## **TENDER SPECIFICATION** **FOR**

Hiring agency for modification work in Unit#1 & Unit#2 (each having 03 number GT transformers) and refurbishment work of Oil storage Tank and associated Piping - (Consisting of 4 nos. tank size and associated pipe fittings, valves, motor, pump and instruments) as per drawing.

**ON BEHALF OF**

**BHARAT HEAVY ELECTRICALS LIMITED,**

**JHANSI: 284120**

**TENDER SPECIFICATION NO: JHS/FES/OHPC-BALIMELA/001**

- **DATE & TIME OF RECEIPT OF THE TENDER: 04.11.2025 Till 13.00 Hrs.**
- **DATE & TIME OF TENDER OPENING: 04.11.2025 After 14.00 Hrs.**

**Reverse Auction- YES, TO BE CARRIED OUT  
AS PER THE LATEST RA GUIDELINES.**



**Detail of Bidder and Documents to be submitted along with Technical Bid**

Please number your documents in continuation with tender documents at bottom (footer) of page.

<b>Sl. NO</b>	<b>Particular</b>	<b>Details</b>	<b>Page. No.</b>
1	Name of the firm		
2	Name of the Proprietor/Partners		
3	Address		
4	Mobile No.		
5	E-mail ID		
<b>Essential Documents</b>			
<b>Sl. NO</b>	<b>Particular</b>	<b>Details</b>	<b>Page. No.</b>
6	Acceptance of Terms & conditions signature on all pages without conditions of contractor	Submitted/ Not submitted	
7	Blank price bid format duly signed by the contractor.	Submitted/ Not submitted	
8	No Deviation Certificate as per Annexure-E	Submitted/ Not submitted	
9	Copy of PF registration if applicable	PF No.	
10	Self-Declaration	Submitted/ Not submitted	

We will fulfil all the obligations of the contractor and abide by the terms & Conditions mentioned in the enquiry.

Date :-  
Seal

Signature With Name &



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Date :-

Contractor Signature With Name &amp; Seal



**NOTICE INVITING TENDER**





**NOTICE INVITING TENDER**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>1</b>	Name of the Works	Tender enquiry for modification work in Unit#1 & Unit#2 (each having 03 number GT transformers) and refurbishment work of Oil storage Tank and associated Piping - (Consisting of 4 nos. tank size and associated pipe fittings, valves, motor, pump and instruments) as per drawing.
<b>2</b>	Tender Evaluation Criteria	As per tender documents
<b>3</b>	Last date of receipt of tender	(As on page # 1)
<b>4</b>	Date of opening of tender	(As on page # 1)
<b>5</b>	Address for submitting the tender	(As on page # 6)
<b>6</b>	Reverse Auction	YES AS PER LATEST RA GUIDELINE
<b>7</b>	Facility against MSME guideline	Applicable

The contractors may physically visit the work place before quoting their rates.

**Note: BHEL takes no responsibility for any delay / loss of documents or correspondence sent by courier or post or email. Late tenders shall be rejected outright.**

**TO BE SIGNED BY THE TENDERER**

Certified that all Sections of the Tender have been read / complied & agreed to, and each page of the tender offer has been signed & stamped.



**Sub.: Hiring agency for modification work in Unit#1 & Unit#2 (each having 03 number GT transformers) and refurbishment work of Oil storage Tank and associated Piping - (Consisting of 4 nos. tank size and associated pipe fittings, valves, motor, pump and instruments) as per drawing.**

**Dear Sir(s),**

Sealed tenders are invited for carrying out the subject work. The tender submission and opening details are as follows:

- **DATE & TIME OF RECEIPT OF THE TENDER:**      **04.11.2025      Till 13.00 Hrs.**
- **DATE & TIME OF TENDER OPENING:**                      **04.11.2025      After 14.00 Hrs.**

PLACE OF TENDER SUBMISSION: “WORKS CONTRACT TENDER BOX” placed in Tender Room, Administrative Building, Security Gate, BHEL, Jhansi – 284120.

Address of on-line Tender Submission- [tenderbox.jhs@bhel.in](mailto:tenderbox.jhs@bhel.in)

The details of the work shall be as per the Scope of Work clause 3.0. Prices are to be submitted as Price-bid format (Annexure-B). The other conditions and details of tender are as follows:

### **1.0 PROJECT:**

M/s OHPC- BALIMELA site.

### **2.0 DETAILS OF EQUIPMENTS:**

23.4MVA 11/220KV, 1-PH, OFWF, GENERATOR TRANSFORMERS supplied against W.O- 71791A at OHPC Balimela site.

### **3.0 Scope of work:**

Modification work in Unit#1 & Unit#2 (each having 03 number GT transformers) and refurbishment work of Oil storage Tank and associated Piping - (Consisting of 4 nos. tank size (3250mm dia x 3000mm Ht) and associated pipe fittings, valves, motor, pump and instruments) as per drawing to be carried out at site.

Dismantling of the components, modification & fitting the components back will be in the scope of vendor (refer BOQ/ SOP- **Annexure-A** attached)-

**Any other minor activity not included in the SOP/ BOQ required to successfully execute the work, will be in the vendor scope.**



<b>SOP/ Procedure for attending Modification work UNIT1 &amp; UNIT2 (each having 03 GT transformers) of OHPC Balimela, Annexure-A</b>	
<b>Transformer Description - 23.4MVA 11/220KV , 1-PH ,OFWF , GENERATOR TRANSFORMERS - Total 6 Nos.</b>	
<b>Sr. No.</b>	<b>Description of Activities</b>
<b>ITEM - 1</b>	<b>Scope of work for attending the modification work of OHPC Balimela for Each Generator Transformer</b>
<b>A</b>	<b>Work for Modification in Conservator (Drawing No. 14515150004 Rev-02)</b>
A.1	Removal of fire fighting water line /emulcifier around GT's and fitting back after completion of work.
A.2	Removal of bus duct and fitting back after completion of work.
A.3	Dragging of transformer put approx..3 mtr back and removal of lock and cable tray and dragging back to original position along with locking and cable tray fitting after completion of work. Cable tray to be removed after properly removal of cable for M. Box.
A.4	Bushing to be opened (if required) to avoid damage of bushing & fitting back after completion of work.
A.5	Draining of oil from Conservator & storing in oil storage tank.
A.6	Dismantling of Conservator from Transformer by disconnecting the buchholz line and breather line.
A.7	Lowering of conservator and Bracket from Transformer.
A.8	Pressure test of Aircel and conservator for leakage.
A.9	Welding of 24 nos gussets in Conservator bracket (item no. 54,55,57)
A.10	Cleaning & painting of Bracket.
A.11	Installation of Conservator bracket & additional support (item no 05) to increase the conservator height.
A.12	Installation of conservator tank again
A.13	Installation of 80NB buchholz line, 25 NB pipe breather line assembly with extension pipe as per mentioned drawing & shipping list.



A.14	Oil filling of conservator tank and bushing after oil recycling by achieving required PPM, BDV and other parameters.
A.15	Charging of Aircell
<b>B</b>	<b>Work for Modification in Tank - (Drawing No. 14511650008 Rev-04)</b>
B.1	Dismantling of existing cooler Pipes, coolers, Pumps and required accessories after draining of oil from coolers & pipe which are installed in Right side of GT presently.
B.2	Dismantling of existing Marshalling Box after removing of wiring from M Box (Each termination details to be noted before removing the Marshalling box from transformer).
B.3	Welding of approx 20 nos PADS/wiring support (item no 14, 40 to 48) on transformer stiffener/ wall for mounting support of Pumps, Coolers, M Box, ladder, Busduct etc as per drawing. due care to be taken for welding of pads on Tank wall to prevent overheating and fire.
<b>C</b>	<b>Work in Cooler and Pipes (Drawing No. 14514750003 Rev-04)</b>
	Cooler pipe work need to be shifted from Right to Left. Existing cooler pipe having Butterfly valve, Pumps, Coolers, all other valves and instruments which are dismantled from left side and to be reused as per drawing mentioned. Other items like pipe , support etc will be new. The modification required for pipe matching to suit on assembly shall be done as per drawing
C.1	Mounting of cooler, pump with bracket which are dismantled from Right side to Left side as per drawing
C.2	Assembly of 100 NB and 80 NB new Pipe (approx 30 nos) along with valves, Brackets, Supports, gasket as per drawing
C.3	Filling oil after recycling after achieving the desired PPM and BDV and other Values
<b>D</b>	<b>Work in OUT SIDE Fitting and Marshalling Box (Drawing No. 14511950023 Rev-04)</b>
D.1	Fitting of Mounting of Marshalling Box brackets/supports as per drawing
D.2	Installation of Marshalling Box on new Brackets. M. box location change by 90 degree
D.3	Connection of all wires in the marshalling box as per existing connection. Any required Lug, Tie Ferrule shall be arranged by vendor. Rerouting of cable to be ensured.
D.4	Testing of M Box control circuit



D.5	Assembly of ladder extension bracket (It 86) on ladder Pad.
D.6	Dismantling of existing ladder and fitting of Ladder in above bracket as per drawing
<b>ITEM 2</b>	<b>Refurbishment work of Oil storage Tank and associated Piping - (Consisting of 4 nos. tank size (3250mm dia x 3000mm Ht) and associated pipe fittings, valves, motor,pump and instruments) as per drawing</b>
	4 nos Oil storage Tanks are installed at basement approx (18 mtr below the Transformer level) at centre. These tanks are used to fill the oil from any of the Storage Tank to any of the 06 nos Transformer (Unit 7 & 8) and vice versa. All these tanks and Transformers are connected through 80NB, 50/40NB pipes. The oil direction is controlled by approx 50 no 80NB valve & 10 nos 50 NB valve and one number pump.
A.1	Draining of oils from existing Lines before start of work
A.2	Dismantling of oil lines (40 NB to 80 NB), Gate valves, motor pumps, gauges, flanges, instruments and keeping it in safe custody)
A.3	Cleaning of all 4 storage tank FROM inside & Outside.
A.4	Cleaning pipe Outside and inside by air pressure.
A.5	Re-Erection of existing pipes with all new supplied Valves and gaskets. These supplied valves may be of different dimension and flanges size. Some modification like removal of existing flange, welding of new flange, cutting/ welding of pipe joints etc may be done to suit on assembly
A.6	Erection of one number 5000LPH pump and motors along with suction and discharge connection. If any modification will be required for mounting & pipe connection is in this scope
A.7	Erection of all other accessories like oil filters, gauges and instruments. Etc
A.8	Erection of new breather along with Silica gel in all 4 storage tank. Some modification may be done for mounting of breather in Tank as per breather mounting.
A.9	Painting of All storage tanks & pipeline (approx 700 mtr) on outside along with primers and thinners as per requirement (material shall be provided by BHEL) Approx 160 Liter paint, primer and thinner
A.10	Supply of 01 number 3-phase 3 KW pump starter & approx. 20 mtr GI pipe (65NB) for fire fighting.
A.11	Electrical connection of pump motor
A.12	Testing of Oil flow by operation of valve, pump and leakage.



NOTE	Misc Terms and conditions and T&P required for above work
1	During pipe work, some modification in pipe like cutting, welding etc to suit on assembly may be required in case of mismatch.
2	In case of any welding, DP shall be done.
3	Any pipe, bus bar, duct and supports which are fouling for performing to above work has to properly dismantle and again to be installed after work completion
4	All required Tools and Tackles, necessary lifting arrangements, welding machine, grinding wheels, hydra, compressor shall be in vendor scope
5	Shifting of material from the customer store to site work place shall be in scope of vendor
6	Necessary oil filtration machine (10KL) and oil storage tank (10 KL), Dry air Plant, dew point, BDV Kit and PPM meter will be in scope of vendor
7	Consumables like cleaning material, welding rods, grinding wheels etc shall be in scope of vendor. Gaskets shall be provided by BHEL
8	Requisite manpower of desired skilled like welder, fitter, electrician, supervisor, helpers shall be in the scope of vendor.
10	Arrangement of Tarpaulin shed for saving the component from water and moisture shall be done by vendor
11	After work of refurbishment and modification touch-up painting of transformer with same colour shed shall be in scope of vendor
12	Proper electrical shutdown of transformers and other electrical equipment to be obtained before starting the work for each GT(GT-1 & GT2 having 3 Trfr each). All safety procedure to be followed as per BHEL safety rules and customer safety rules during work.
13	Any material damage during the modification work (if any) will be in the scope of vendor and vendor has to support till the charging of the transformers.
14	HR clearance, labour statutory requirement as per Customer norms, gate pass permission shall be arranged by vendor.
15	Any minor additional work required for execution of the above works shall be in vendor scope.

Note:

- i) All T&P, tools & tackles, filter machine, man power, crane & hydra with operator, testing instrument etc will be arranged by agency.
- ii) If any other T&P required to complete the work as per customer norms at site will be in agency scope.



- iii) Dismantling & Installation of accessories/panel etc to complete the above work will be in agency scope. During above work if any mismatching of pipes, plates, flange & holes etc to be modified/ rectified by the contractor.
- iv) Any Cable laying in conduit/tray, trenches, overhead and termination related to transformer, OLTC Panel, marshaling box, RTCC panel, etc if required during modification/ rectification will be in agency scope.
- v) After modification /rectification work, during charging of transformer, oil testing / electrical testing if required will be in agency scope.
- vi) Arranging of Ferrule, lugs and cable tie & tag, Cable glands & tray will be in agency scope, if required for proper commissioning of Transformer.
- vii) After modification /rectification work, If any punch points related to work given by customer, to be attended by agency prior to charging of transformer.
- viii) After charging of transformer, jointly signed MOM with customer/BHEL official for completion of work and work Completion certificate by BHEL officials to be submitted by agency to BHEL.
- ix) Agency have to follow BHEL site engineer instruction for completion of works at site. All documents related to above said work like joint protocol, material verification report etc. should be dully signed by agency & BHEL engineer.
- x) Material reconciliation of received materials and handing over of balance materials to customer to be done by agency. The Copy of materials reconciliation, receipt of balance materials handed over to customer, copy of HR & Quality clearance and filled & signed check list/ protocols to be submitted by agency to BHEL.
- xi) Multiple times of team mobilization at site based on availability of front & materials will be in agency scope. No idling and multiple mobilization /demobilization charges of team will be payable.
- xii) Erection team should be comprising of qualified & experience fitter, painter, electrician, supporting man power etc. and supervisor /engineer/Safety engineer for deployment at site to carry out awarded work. BHEL may ask for submission of documents related to qualification & experience of team & supervisor / Engineer for verification of their skill.
- xiii) During testing & commissioning, competent commissioning engineer should be available at site for compliances of customer requirement and joint verification of commissioning.
- xiv) In case any modification/rectification required during said work will be in agency scope.
- xv) Contractor shall provide well-qualified, knowledgeable and experienced Expert. Contractor will have to ensure that the Health, Safety and Environment (HSE) requirements are clearly understood and faithfully implemented at all levels at site. They will have to ensure adequate safety precautions at site as per the various statutes and shall be entirely responsible for the complete safety of their operator at the site. Necessary Personal Protection Equipment's (PPE's) (such as Helmets, Goggles, safety Belts, Gloves, First-aid box etc.) shall be provided to the operator as per requirement during work. The Contractor will have to adhere and follow all the local rules and statutory requirements.
- xvi) Contractor shall responsible for arranging the gate pass for their man power & resources.



**4.0 Work Completion time: -**

Item#1:- Work for each unit(each unit having 03 number GT transformers ) to be completed within 40 days from date of shutdown of each unit.

Shutdown date will be intimated 10 days in advance for mobilization foreach unit.

-Item#2:- Work to be completed in within 40 days from the date of mobilization. For mobilization 10 days advance intimation will be given.

10 days advance period for mobilization is excluded from 40 days completion of work for each unit.

**5.0 PQR:**

**A.** Average Annual financial turnover during the last 3 years, ending 31st March'2025 will be Rs. 15.60 Lacs plus GST.

The bidders will have to furnish documents of Duly audited financial statement/ Balance sheet and P&L/certificate from CA to be submitted as a supporting document. If all balance sheets/FS are not available for all three years than the average shall be calculated by dividing the sum of turnover of submitted balance sheets/FS by three.

**B.** Experience of having successfully completed similar works during last 7 years ending 30/09/25, details are as below-

i) 3 similar completed works each costing not less than Rs. 20.80 Lacs

"Or"

ii) 2 similar completed works each costing not less than Rs. 26.00 Lacs

" Or"

iii) 1 similar completed work costing not less than Rs. 41.60 Lacs

Experience in similar work means experience in executing Installation & commissioning contract (inclusive of supply material), overhauling contract (Inclusive of supply material), AMC work of 220 KV & above Power Transformer/ switchyard/generating station, fabrication work related to transformer and its related components/ piping work or execution of the work related to the Hydro project.

**Note – The benefits to Micro & Small Enterprises/ Make in India shall be applicable for this tender as per government norms.**



**C. Documents required.**

a. In case Experience in Govt./Public Sector: -

Documentary proof (Copy of WO/PO/LOI and work completion certificate/ tax invoice/ GEM CRAC/ commissioning certificate/ Confirmation from Customer via email in support of

Above eligibility criteria shall be submitted along with techno – commercial bid.

b. In case Experience in private Sectors: -

Documentary proof (Copy of WO/PO/LOI and work completion certificate/ tax invoice/ GEM CRAC/ commissioning certificate/ Confirmation from Customer via email along with TDS

certificate/Traces) in support of above eligibility criteria shall be submitted along with Techno – commercial bid.

**6.0 Tender opening condition: - Price bid of those vendors shall be opened who will meet the PQR condition mentioned above clause 5.0.**

**7.0 TERMS OF PAYMENT:**

**I. Item 01** -item 1 having 02 Units i.e unit 1 & 2 & each unit having 03 number GT transformers.

Based on above, 90% payment of contract value for 03 nos. transformers after completion of the work of each unit as per tender scope at OHPC Balimela site.

**II. Item -2** - 90% payment of contact value of Item-2, after completion of the work related to item-2 as per tender scope at OHPC Balimela site.

**III.** Balance 10% payment of item-1 & 2 after 01 year from the date of completion of above work of item-1 & 2.

**IV.** MOM of work completion given by customer/work completion certificate issued by BHEL (FES HOD) will be required for release of payments for item-1 & 2.

**V.** The payment will be released within 45 (for MSE vendor)/90 (for non-MSE vendor) days of submission of clear bill complete in all respect.

**8.0 Documents required for billing:**

The Contractor has to submit the following documents with every bill: -

- i. Work completion certificate issued by BHEL (FES HOD)/Customer with respect to the scope in NIT.
- ii. Original Invoice / Digitally signed invoice.
- iii. All the payment shall be made as per BHEL norms.



**8.1 Bidder has to give his undertaking that GST portion of the invoice shall be released only upon:**

All invoices raised by contractors /vendors must be GST complaint Tax invoices as per GST invoices rules.

Contractor declaring such invoices in his GSTR-1 or any modified return as notified by government. Also, a declaration is to be given that the GSTR 3B has been filed / to be filed in month, year as per provision of GST Act.

Receipt of good /services and tax invoices by BHEL and Confirmation of payment of GST thereon by contractor on GSTN portal.

Contractor has to give an undertaking to BHEL that they have declared invoice in his return and paying GST within timeline prescribed for availing ITC by BHEL.

Payment to Contractor for GST portion will be released only after completion of above activity and on availing of ITC by BHEL.

In case GST credit is delayed/denied to BHEL due to non/delayed receipt of services /goods and /or tax invoices or expiry of the timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from contractor along with interest levied /leviable on BHEL.

GST shall be applicable as per prevailing rates on Total Contract Value.

All credits applicable in GST shall be suitably passed on to BHEL as per government guidelines in case of credit is not available as denied by GST portal due to improper Documentation or wrong uploading of data by bidder, the same will be recovered from the bidder along with interest, if any.

**8.2 Tax Deduction at sources**

TDS as per extent provisions of the GST Law shall be deducted from supplier/contractor bill.

**9.0 LD PENALTY: :** Contractor has to mobilize man power and T&P within 10 days for each unit, after receiving communication from BHEL Jhansi. Failing this LD will be imposed @ 0.5% per week for each unit.

After mobilization at M/s Balimela site, contractor have to complete their scope of work within 40 days for each unit subject to availability of front & shut down from BHEL/ customer end.

Overall penalty @ 0.5% per week subject to maximum of 10% of the contract price of each unit shall be levied for the delay in completion of work as per their scope and account of non-mobilization of man power & T&P at Contractor's part.

**10.0** BHEL reserve right to execute all activities mention in contract in **risk and cost** of contractor without entitling the contractor to any compensation. Resorting to any, some, all of the action like contract

termination, recovering the dues, /losses from the security deposit and the contract amount, forfeiting the

security deposit, getting the work done through other agencies at the cost of the contractor, cancellation of

registration, banning of the business with BHEL etc., in any event of the following-



- a. Contractors repeated poor performance, withdrawal from or abandonment of the work in except in force majeure
  - b. Serious lapses in performances disregard of the BHEL instructions.
  - c. Insolvency of contractor
  - d. Non-fulfillment of any contractual obligations or obligations under the laws.
- 10. Defect liability period** will be applicable for a period of 01 year from the date of completion of work of last transformer as per scope of NIT. During the Defects Liability Period, the contractor shall at his own cost and initiative, correct, repair and/or rectify any and all defects of the work that may arise due to poor/ defective workmanship. Mobilization of T & P including crane, filter m/c etc., for attending erection deficiencies, will be contractor's responsibility. In event of failure to do so, BHEL may proceed to have such rectifications made by the others at the contractor's risk and cost.

#### **11.0 EXTRA WORK / ACTIVITIES:**

The total work content envisaged in the tender and as mentioned in the scope of work (Clause 3.0) is to be undertaken according to the contract price of work order only will be admissible. However, under exigencies which may arise due to unforeseen problems during erection, failure of equipment's or any other reasons, extra work/activities may be required to be undertaken, which is not covered in the scope of work. BHEL will then ask the contractor to carry out such extra work/activities, a prior consent will be required from BHEL authorized official before undertaking any such extra work activities.





**BHARAT HEAVY ELECTRICALS LIMITED, JHANSI  
(FIELD ENGINEERING SERVICES DEPARTMENT)**

**Annexure-B**

**PRICE BID**

<b>Price Bid format for attending Modification work UNIT1 &amp; UNIT2 (each having 03 GT transformers) of OHPC Balimela</b>				
<b>Transformer Description - 23.4MVA 11/220KV , 1-PH ,OFWF , GENERATOR TRANSFORMERS - Total 6 Nos.</b>				
<b>Sr. No.</b>	<b>Description of Activities</b>	<b>Unit</b>	<b>Qty</b>	<b>Total price</b>
<b>ITEM -1</b>	<b>Scope of work for attending the modification work of OHPC Balimela for Each Generator Transformer</b>			
<b>A</b>	<b>Work for Modification in Conservator (Drawing No. 14515150004 Rev-02)</b>	<b>Set</b>	<b>6</b>	<b>90% of total quoted value-E</b>
A.1	Removal of fire fighting water line around GT's and fitting back after completion of work.			
A.2	Removal of bus duct and fitting back after completion of work.			
A.3	Draging of transformer abput 3 mtr back and removal of lock and cable tray and dragging back to original position along with locking and cable tray fitting after completion of work. Cable tray to be removed after properly removal of cable for M. Box.			
A.4	Bushing to be opened (if required) to avoid damage of bushing & fitting back after completion of work.			
A.5	Draining of oil from Conservator & storing in oil storage tank.			
A.6	Dismantling of Conservator from Transformer by disconnecting the buchholz line and breather line.			
A.7	Lowering of conservator and Bracket from Transformer.			
A.8	Pressure test of Aircel and conservator for leakage.			
A.9	Welding of 24 nos gusstes in Conservator bracket (item no. 54,55,57)			
A.10	Cleaning & painting of Bracket.			
A.11	Installation of Conservator bracket & additional support (item no 05) to increase the conservator height.			
A.12	Installation of conservator tank again			



A.13	Installation of 80NB buchholz line, 25 NB pipe breather line assembly with extension pipe as per mentioned drawing & shipping list.			
A.14	Oil filling of conservator tank and bushing after oil recycling by achieving required PPM, BDV and other parameters.			
A.15	Charging of Aircell			
<b>B</b>	<b>Work for Modification in Tank - (Drawing No. 14511650008 Rev-04)</b>			
B.1	Dismantling of existing cooler Pipes, coolers, Pumps and required accessories after draining of oil from coolers & pipe which are installed in Right side of GT presently.			
B.2	Dismantling of existing Marshalling Box after removing of wiring from M Box (Each termination details to be noted before removing the Marshalling box from transformer).			
B.3	Welding of approx 20 nos PADS/wiring support (item no 14, 40 to 48) on transformer stiffener/ wall for mounting support of Pumps, Coolers, M Box, ladder, Busduct etc as per drawing. due care to be taken for welding of pads on Tank wall to prevent overheating and fire.			
<b>C</b>	<b>Work in Cooler and Pipes (Drawing No. 14514750003 Rev-04)</b>			
	Cooler pipe work need to be shifted from Right to Left. Existing cooler pipe having Butterfly valve, Pumps, Coolers, all other valves and instruments which are dismantled from left side and to be reused as per drawing mentioned. Other items like pipe, support etc will be new. The modification required for pipe matching to suite on assembly shall be done as per drawing			
C.1	Mounting of cooler, pump with bracket which are dismantled from Right side to Left side as per drawing			
C.2	Assembly of 100 NB and 80 NB new Pipe (approx 30 nos) alongwith valves, Brackets, Supports, gasket as per drawing			
C.3	Filling oil after recycling after achieving the desired PPM and BDV and other Values			
<b>D</b>	<b>Work in OUT SIDE Fitting and Marshalling Box (Drawing No. 14511950023 Rev-04)</b>			
D.1	Fitting of Mounting of Marshalling Box brackets/supports as per drawing			
D.2	Installation of Marshalling Box on new Brackets. Mbox location change by 90 degree			
D.3	Connection of all wires in the marshalling box as per existing connection. Any required Lug, Tie Ferrule shall be arranged by vendor. Rerouting of cable to be ensured.			
D.4	Testing of M Box control circuit			



D.5	Assembly of ladder extension bracked (It 86) on ladder Pad.			
D.6	Dismantelling of existing ladder and fitting of Ladder in above bracket as per drawing			
<b>ITEM 2</b>	<b>Refurbishment work of Oil storage Tank and associated Piping - (Consisting of 4 nos. tank size (3250mm dia x 3000mm Ht) and associated pipe fittings, valves, motor,pump and instruments) as per drawing</b>			
	4 nos Oil storage Tanks are installed at basement approx (18 mtr below the Transformer level) at center. These tanks are used to fill the oil from any of the Storage Tank to any of the 06 nos Transformer (Unit 7 & 8) and vice versa. All these tanks and Transformers are connected through 80NB, 50/40NB pipes. The oil direction is controlled by approx 50 no 80NB valve & 10 nos 50 NB valve and one number pump.			
A.1	Draining of oils from existing Lines before start of work	Set	1	10% of total quoted value- E
A.2	Dismantling of oil lines (40 NB to 80 NB), Gate valves, motor pumps, gauges, flanges, instruments and keeping it in safe custody)			
A.3	Cleaning of all 4 storage tank FROM inside & Outside.			
A.4	Cleaning pipe Outside and inside by air pressure.			
A.5	Re-Erection of existing pipes with all new supplied Valves and gaskets. These supplied valves may be of different dimension and flanges size. Some modification like removal of existing flange, welding of new flange, cutting/ welding of pipe joints etc may be done to suit on assembly			
A.6	Erection of one number 5000LPH pump and motors along with suction and discharge connection. If any modification will be required for mounting & pipe connection is in this scope			
A.7	Erection of all other accessories like oil filters, gauges and instruments. etc			
A.8	Erection of new breather along with Silica gel in all 4 storage tank. Some modification may be done for mounting of breather in Tank as per breather mounting.			
A.9	Painting of All storage tanks & pipeline (approx.. 700 mtr) on outside along with primers and thinners as per requirement (material shall be provided by BHEL) Approx. 160 Litre paint, primer and thinner			
A.10	Supply of 01 number 3-phase 3 KW pump starter & approx. 20 mtr GI pipe (65NB) for fire fighting.			
A.11	Electrical connection of pump motor			
A.12	Testing of Oil flow by operation of valve, pump and leakage.			
	<b>Total Amount(Item-1+Item-2)- E VENDOR HAS TO QUOTE TOTAL VALUE - E</b>			
	<b>GST Extra</b>			



<b>NOTE</b>	<b>Misc. Terms and conditions and T&amp;P required for above work</b>
1	During pipe work, some modification in pipe like cutting, welding etc to suit on assembly may be required in case of mismatch.
2	In case of any welding, DP shall be done.
3	Any pipe, bus bar, duct and supports which are fouling for performing to above work has to properly dismantle and again to be installed after work completion
4	All required Tools and Tackles, necessary lifting arrangements, welding machine, grinding wheels, hydra, compressor shall be in vendor scope
5	Shifting of material from the customer store to site work place shall be in scope of vendor
6	Necessary oil filtration machine (10KL) and oil storage tank (10 KL), Dry air Plant, dew point, BDV Kit and PPM meter will be in scope of vendor
7	Consumables like cleaning material, welding rods, grinding wheels etc shall be in scope of vendor. Gaskets shall be provided by BHEL
8	Requisite manpower of desired skilld like welder, fitter, electrician, supervisor, helpers shall be in the scope of vendor.
10	Arrangement of Tarapaulin shed for saving the component from water and moisture shall be done by vendor
11	After work of refurbishment and modification touch-up painting of transformer with same colour shed shall be in scope of vendor
12	Proper electrical shutdown of transformers and othe electrical equipment to be obtained before starting the work for each GT(GT-1 & GT2 having 3 Trfr each). All safety procedure to be followed as per BHEL safety rules and customer safety rules during work.
13	HR clearance, labour statutory requirement as per Customer norms, gate pass permission shall be arranged by vendor.
14	Any minor additional work required for execution of the above works shall be in vendor scope.

**Rupees in Words****Rupees in figures.****Note:**

- (1) Offer to be valid for 120 days
- (2) GST will be payable extra as applicable.
- (3) L-1 will be decided based on quoted total lowest price of item-1 & 2. i.e. E.
- (4) If there is a discrepancy between words and figures, the amount in words shall prevail.
- (5) RA: Yes. As per latest RA guideline.
- (6) After opening of the tenders if BHEL Jhansi decides to negotiate the tendered should be in a position to depute his representatives at short notice with full authority for negotiating, as well as commercial terms and concluding the contract.

I/We agree with above and all other terms & conditions of the contract.

(Signature of Contractor with Seal)



**ANNEXURE-C****1.0 DEFINITIONS:**

The following terms and expressions shall have the meaning hereby assigned to them, except where the context otherwise requires:

- 1.1 'BHEL' shall mean Bharat Heavy Electricals Limited, a Company registered under the Indian Companies Act, 1956 with its Registered Office at BHEL House, Siri Fort, New Delhi, Pin-110049 through its office at Jhansi, – 284120 or its authorized Officers or its Engineers or other employees authorized to deal with any matters with which these persons are concerned on its behalf.
- 1.2 'CONTRACTOR' or 'FIRM' shall mean the individual, firm or Company providing the services and shall include their executors, administrators, successors and permitted assigns.
- 1.3 'CONTRACT' or 'CONTRACT DOCUMENT' shall mean and include guidelines and declarations of the registration, the General Terms & Conditions and Statutory Compliances, schedules of quantities, accepted appendices of rates, if any, technical specifications, special specifications, if any, Letter of Intent, agreement & the work order, issued by BHEL.

Any conditions or terms stipulated by the bidder in the tender documents or subsequent letters shall not form part of the Contract unless specifically accepted in writing by BHEL and incorporated in the work order.

- 1.4 'TENDER DOCUMENTS' shall mean Instruction to Tenderers, General Terms & Conditions, Special Conditions, Tender Specifications including drawings and any other documents issued to the bidder against invitation of bid.
- 1.5 'LETTER OF INTENT' shall mean the intimation by a letter / email / fax to the bidder that the tender has been accepted in accordance with provision contained in that letter. The responsibility of the Contractor commences from the date of issue of this letter and all the terms and conditions of Contract are applicable from this date.
- 1.6 'APPROVED, DIRECTED or INSTRUCTED' shall mean approved, directed or instructed by BHEL concerned authorities.
- 1.7 'WORK' or 'CONTRACT WORK' shall mean and include the work to be done in relevant work category by the firm or as specified in the Tender documents.



**2.0**

**TENDERING PROCEDURE:**

The tender shall be accepted and processed as follows:

The Tender shall be submitted in **Two Part Bid** as described below:

**PART-I: (TECHNO-COMMERCIAL BID) :** This part shall consist of the following

- i) Techno-commercial offer comprising of:**
  - a) Confirmation of Scope of Work, Supporting documents for qualification criteria and other clauses as applicable etc.
  - b) Un-priced copy of PRICE FORMAT. The un-priced copy of the Price bid format shall be the same as the Price bid but without the Prices. All the quoted Prices/Rates etc. shall be replaced with the word 'QUOTED' or 'Q', in the un-priced copy.

**PART-II: (PRICE BID)**

- i) Format containing **PRICES** only (**to be furnished in the enclosed Price Schedule format only**). Prices shall be quoted in Indian Rupees only. Price Bid should not contain any technical details and/or Commercial Terms & Conditions as the same are supposed to be contained in PART-I only so that the same can be evaluated before opening of Price Bid(s).
- ii) The prices/Rates shall be quoted in price schedule.
- iii) Price bids of only techno-commercially short listed vendors will be opened.
- iv) The above two bids (**Part-I and Part-II**) shall be enclosed in a sealed envelope and shall have tenderer's distinctive
- v) seal and shall be super-scribed with the **TENDER REF. NO and DUE DATE**.

Note – The benefits to Micro & Small Enterprises shall be applicable for this tender as per government norms.



**2.1 The Tender shall be addressed to the following:**

To,

**THE TENDER ROOM (WORKS CONTRACT TENDER BOX')  
ADMINISTRATIVE BUILDING, Security Gate  
BHARAT HEAVY ELECTRICALS LTD,  
P.O. BHEL JHANSI (UP) 284120**

- 2.2 The tender shall be dropped in the above stipulated tender box positively **before 13.15 hrs on the due date (as mentioned above)**. It will be bidder's responsibility to ensure submission of tender in the designated "**Works Contract Tender Box**" before expiry of due date and time. Any tender which is received after **13.15 Hrs on the due date and subsequently** shall not be considered and will be returned to the sender. No explanation/ reasoning for late submission/receipt of tender will be entertained.
- 2.3 In case, Bidders wants to deputing their representative at BHEL JHANSI for dropping their offer in the tender box then bidder has to obtain security gate pass for reaching at tender box. In such case, bidders shall have to send personal details to BHEL at least one day in advance for obtaining security gate pass.
- 2.4 Bidders may note that the TWO-PART BID of the tender shall be opened in tender room of BHEL Jhansi on tender due date after 14.00 hrs in presence of those tenderer's who choose to be present.
- 2.5 The tenderer is advised to satisfy themselves for work environments & be acquainted with the actual working and other prevalent conditions regarding organizing resources to various sites across the country prior to submission of tender. No claim will be entertained later on grounds of lack of knowledge.
- 2.6 In case of any query/doubt on the tender specifications, bidder can contact the concerned authority for clarification before tender submission. No modification/ deviation w.r.t. any clause, terms & conditions etc shall be acceptable after opening of tender.



**3.0 GENERAL CONDITIONS OF CONTRACT**

- 3.1 The agencies which are currently under hold/ban/suspension of business dealing with BHEL and communicated thereof shall not be considered in this tender.
- 3.2 The tenderer has to confirm all clauses of as mentioned above & all the documents of the tender shall be signed by tenderer on every page and sent with the offer.
- 3.3 All the quoted prices shall be **exclusive of taxes & duties** as may be applicable.
- 3.4 The offer should be valid for minimum of 120 days from the date of opening the bid.
- 3.5 If the tenderer attaches any other conditions in the offer, then due to its implication's prices may be loaded to the quoted price during evaluation.
- 3.6 All tender papers dully filled in and signed by the tenderer must be returned with the offer as proof of the acceptance of the conditions of the Contract.
- 3.7 Official Secret Act: The firm shall give an undertaking under the official secret Act for maintaining secrecy of the drawings, documents or other records connected with the work given to them. The firm shall return all the drawings/documents given to them.
- 3.8 Mode of Communications: Generally, all communications, references etc. shall be delivered through email, fax or given to the authorized supervisor. It will be undertaken that the firm has read and understood the message, within 2 days of the delivery, even if they have not received / not opened/ having any problems on their side. Firm shall communicate their change of authorized supervisor, email address in advance.
- 3.9 All communications shall be made by/addressed to on behalf of BHEL by following officer or his authorized representatives. Any change will be informed time to time.  
Sr. Dy. General Manager, Transformer Field Engineering Services Department, Bharat Heavy Electricals Ltd, P.O. BHEL Jhansi-284120 at email ID-akhatloiya@ bhel.in

**3.10 RIGHTS OF BHEL:**

BHEL reserves to itself, the following rights without entitling the Contractor to any compensation: - Resorting to any, some, all of the actions like Contract termination, recovering the dues/ losses from the Security Deposit and the Contract amount, forfeiting the Security Deposit, getting the work done through other agencies at the cost of the Contractor, cancellation of registration, banning the business with BHEL etc., in any event of the followings:

- a) Contractor's repeated poor performance, withdrawal from or abandonment of the work, except in force majeure conditions.
- b) Serious lapse in performance, Persistence disregard of the BHEL instructions.
- c) Insolvency of the Contractor.
- d) Assignment, transfer, subletting of the Contract work without BHEL's written permission.
- e) Non-fulfillment of any Contractual obligations or obligations under the law.



**3.11 FORCE MAJEURE:**

The following shall amount to force majeure conditions: Acts of God, act of any Government, War, sabotage, riots, civil commotion, police action, flood, fire, cyclone, earthquake, epidemic and other similar causes over which, no Contractor has any control. In such cases, firm shall resume their operations after reasonable and mutually agreed time.

Notwithstanding anything contained in the contract, neither BHEL nor the Contractor shall be held responsible for total or partial non-execution of any of the contractual obligations, should the obligation become unreasonably onerous or impossible due to occurrence of a 'Force Majeure' which directly affects the obligations to be performed by the BHEL or the contractor; Such events include war, military operations of any nature, blockages, revolutions, insurrections, riots, civil commotions, insurgency, sabotage, acts of public enemy, fires, explosion, epidemics, quarantine restrictions, floods, earthquake, or acts of God, restrictions by Govt. authorities; over which the BHEL or the contractor has no control.

The party claiming to be affected by force majeure shall notify the other party in writing without delay, within two weeks from the occurrence of such situation and on the cessation thereof. Extension of time sought by the contractor along with supporting evidence and so granted by BHEL for the work affected, if any, shall not be construed as waiver in respect of remaining execution. Rescheduling of execution on account of force majeure conditions, if so agreed by BHEL, will not entail the contractor to claim any increase in the price on whatsoever account. Notwithstanding above provisions, BHEL shall reserve the right to cancel the Contract, wholly or party, in order to meet the overall project schedule and make alternative arrangements. If deemed necessary, BHEL may takeover partly processed work at a mutually agreed price.

- 3.14 Validity of contract-** Validity of contract will till one year from the date of P.O. for completion of work as per their scope in NIT.

**4.0 JURISDICTION -**

**Any matter of dispute arising out of or in connection with this contract shall be under jurisdiction of Jhansi Court only.**



**ANNEXURE- D****5. INSTRUCTIONS TO CONTRACTOR**

1. BHEL shall have the privity of the Contract with the Contractor only and will give instructions to the Contractor or his authorized representative. BHEL will have nothing to do or be concerned with the employment of employees working for the Contractor. The relationship between BHEL and the Contractor will be that of independent entities and nothing herein contained will amount to joint venture, partnership or an employer-employee relationship.
2. The Contractor shall maintain regular contact with the designated employee(s) of BHEL and will interact on matters relating to the work awarded under this Contract.

**3. SAFETY AND DISCIPLINARY ACTION**

1. Contractor shall ensure that his employee do not indulge in any unsafe or hazardous practices. They use safety equipment such as safety belts, safety shoes, goggles, helmet and masks where use of such equipment is required in day-to-day operations. All such safety gadgets will be provided by the Contractor failing which BHEL will provide safety equipment to such Contractor employees and cost of which including overheads as deemed fit shall be recovered from Contractor bills/dues. Contractor shall fully indemnify BHEL against any claim for damages for injury to person or property resulting from such accidents.
2. Contractor to ensure that employee deployed in the premises is physically and mentally fit and do not have any criminal record.
3. Contractor will be responsible for good conduct of his employees. In case of misconduct, Contractor shall take prompt disciplinary action as per "Model Standing Orders" on the advise of Contracting officer.
4. BHEL shall recover the amount of compensation paid to victim(s) by BHEL towards loss of life / permanent disability due to an accident which is attributable to the negligence of contractor, agency or firm or any of its employees as detailed below.
  - a) Victim: Any person who suffers permanent disablement or dies in an accident as defined below.
  - b) Accident: Any death or permanent disability resulting solely and directly from any unintended and unforeseen injurious occurrence caused during the manufacturing/ operation and works incidental thereto at BHEL factories/ offices and precincts thereof, project execution, erection and commissioning, services, repairs and maintenance, trouble shooting, serving, overhaul, renovation and retrofitting, trial operation, performance guarantee testing undertaken by the company or during any works / during working at BHEL Units/ Offices/ townships and premises/ Project Sites.
  - c) Compensation in respect of each of the victims:



- (i) In the event of death or permanent disability resulting from Loss of both limbs: Rs. 10,00,000/- (Rs. Ten Lakh)
  - (ii) In the event of other permanent disability: Rs. 7,00,000/- (Rs. Seven Lakh)
- d) Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to Section 2 (I) of the Employee's Compensation Act, 1923."
5. Contract awarded is liable for termination for any contravention of statutory provisions or any other reasons without assigning any explanation or notice to the Contractor.
6. Contractor shall fully comply provisions of various applicable labour laws.

## **6. RECORDS & INFORMATION TO BE FURNISHED BY CONTRACTOR**

1. Contractor shall maintain neatly, completely and legibly registers, records, reports and returns for inspection by various authorities at short notice.
2. Contractor shall submit the details of work awarded to him by other departments indicating work order No., nature of work and maximum number of workers employed etc.
3. Contractor shall provide information as required in respect of all his employees employed by him to enable the Contract operating division to monitor compliance of P.F./ESI and also to enable him to furnish information to Ministry and Labour deptt. As may be required.

Contractor shall provide full particulars of each employee employed by him before start of the work and from

## **7. CODE FOR SAFETY MANAGEMENT AT SITES**

It may please be noted that the following practices are to be observed during execution the work:

### **GUIDELINES FOR SAFE WORK PRACTICES**

- a) Personal Protective Equipment: Provision & use of personal protective equipment conforming to Indian or equivalent standards to all employees of BHEL & its sub-contractors working at sites shall be ensured as specified below:
- b) Safety Helmets Conforming to IS: 2925 shall be worn by all at sites where there is any possibility of any object falling from overhead.
- c) Safety Belts (Type 2) Conforming to IS: 3521 shall be used with the life line properly tied, by any person who is required to work at an elevated location from where there is possibility of fall of the person by more than two meters.
- d) Person who might be exposed to any hazards to his eyes & face during the course of his work shall use 2.1.3 Eye & Face Protection Device Conforming to IS: 8940 or 8520.
- e) Ear protection Device Conforming to IS: 6229 shall be used by any person exposed to excessive noise in his work.



- f) Hand & Body Protection Devices IS: 2573 or 6994 or 8519 or 8807 as applicable shall be used by a person who might be exposed to the possibility of Injury to his hand or body while executing a particular task.
- g) Foot Protection Devices: Safety shoes or good quality covered shoes, depending on the degree of hazard one is likely to be exposed to, shall be worn by persons engaged at servicing sites.

## **8. HOUSE KEEPING**

- a) Materials, equipment's etc. shall not be placed or left work area so as to obstruct safe movement of people or cause any other mishap.
- b) Work places & passageways that are slippery due to oil, water etc. shall be cleaned up or strewn with sand/ similar substance.
- c) Action shall be taken to discourage the practice of throwing materials/ equipment's for elevated locations to lower levels.

## **9. ILLUMINATION**

- a) Adequate & suitable artificial lighting shall be provided at all work places and their approaches.
- b) Lamps shall be protected by suitable guards where necessary to prevent danger, if the lamp breaks.
- c) Hand-held lamps shall be powered by either 24V supply or dry cells.
- d) Emergency lighting provisions for night work shall be made to minimize danger in case of power failure.
- e) Insertion of electrical wires directly into socket holes without proper plug top for drawing power shall not be allowed.
- f) Proper earthing & insulation of all temporary electrical lines laid for servicing jobs shall be ensured.

## **10. FIRE HAZARDS/ ACCIDENTS AND THEIR CONTROL**

- a) BHEL employees should ensure that first aid fire- fighting equipment, arranged by customer, is available in the vicinity of work place.
- b) Arrangements shall be made to contain sparks generated during welding, cutting or other operations and sparks shall not be allowed to fall down on combustible materials, if any, kept below.
- c) Every scaffold shall be of safe design for the purpose for which it is to be used and shall be of safe and sound constructions and maintained in good conditions.
- d) Switching off of power supply to welding machines etc. shall be ensured during non-working period.
- e) Rolling & dragging gas cylinder shall be allowed but suitably designed cage system shall be used for lifting of gas cylinders to elevated work locations and also for lowering them.

## **11. FIRST AID**

- a) BHEL/ sub-contractor shall be required to maintain a first aid box with essential items. The box shall be available for use at all hours of work.



**11. SECURITY DEPOSIT (SD) :**

The Security Deposit means the security provided by the Contractor towards fulfillment of any obligations in terms of the provisions of the contract.

- a. The total amount of Security Deposit will be 5% of the contract value. EMD of the successful Bidder shall be converted and adjusted towards the required Security Deposit.

**b. MODES OF DEPOSIT:**

The balance amount to make up the required Security Deposit (SD) of 5% of the contract value may be accepted in the following forms:

- i) SD shall be accepted through Electronic-Mode only in favor of BHEL (NEFT/RTGS/Net Banking). Bank Details of SD deposit is given below.

**c. COLLECTION OF SECURITY:**

- i) At least 50% of the required Security Deposit, including the EMD, should be collected before start of the work. Balance of the Security Deposit can be collected by deducting 10% of the gross amount progressively from each of the running bills of the Contractor till the total amount of the required Security Deposit is collected.
- ii) If the value of work order at any time exceeds the contract value, the amount of Security Deposit shall be correspondingly enhanced and the additional Security Deposit shall be immediately deposited by the contractor or recovered from payment/s due to the contractor.
- iii) The recoveries made from running bills (cash deductions towards SD amount) can be released against submission of equivalent Bank Guarantee in acceptable form, but only once, before completion of work.
- iv) EMD of the successful tenderer shall be converted and adjusted against the security Deposit
- v) Security Deposit shall be released to the contractor after a period of 01 year from the date of completion of work as per contract & fulfillment of contractual obligations as per the terms of contract.
- vi) The Security deposit shall not carry any interest.

**12. Bank details of depositing EMD/SD**

EMD/SD/ Tender Fee will be accepted only in electronic Mode, which can be deposited in following account-

For EMD & Tender fees A/c No. **10670828866**, IFSC Code-SBIN0003807, Name - BHEL JHANSI, Bank-State Bank of India, Branch Location-Jhansi.



ANNEXURE – EFORMAT FOR  
“NO DEVIATION CERTIFICATE”NO DEVIATION CERTIFICATE

This is to certify that our offer is exactly in line with your Tender Enquiry No. \_\_\_\_\_. This is to expressly certify that we have read all the clauses of tender and our offer contains **no deviation** either Technical or Commercial in either direct or indirect form.

**Signed By:**

Name	:	_____
------	---	-------

Designation : \_\_\_\_\_

Organization : \_\_\_\_\_

Date & Place : \_\_\_\_\_

Phone/Fax/Email : \_\_\_\_\_

Stamp & Seal : \_\_\_\_\_

(Signature & seal of Bidder)



## ANNEXURE-F

<b><u>List of Tools &amp; Testing Equipments</u></b>	
<b>Sl. No.</b>	<b><u>Tools</u></b>
1	All size spanners, Screws driver & L and key
2	Filter Machine min. 10 KL/hrs capacity
3	N2 gas cylinder of (-60) dew point purity 99.99% with regulator and connecting pipes
4	Crane/ Hydra of suitable capacity with proper size sling, belt & rope
5	Gas cutting set with operator
6	Welding M/c with operator
7	Drilling M/c with operator
8	Suitable size plastic pipe for Injecting the N2 gas with adopter
9	M.S. reducer size from 50 mm to 25 mm
10	Minimum 12 meter 1/2" level pipe with adopter
11	Tarpaulin of suitable size
12	Safety Belt, Shoes & Helmet
13	Spray painting gun and related accessories
14-	Storage tank of suitable capacity
15-	Vacuum Pump, pipe and flange
16-	pully block, Chain Block ,D shackles, winch machine for moving transformer if required
17-	Pressure test arrgt. For radiator , air cell and conservator.
18-	Dry air generator plant( DEW point -60 degree centigrade)
19-	Stairs & Cotton waste etc
	<b><u>Testing Equipment's</u></b>



<b>1</b>	Motorize megger of 5 KV
<b>2</b>	Dew point meter
<b>3</b>	Pressure gauge range from 0 to 6 kg /cm <sup>2</sup>
<b>4</b>	Ratio meter, WRM KIT, SFRA KIT etc.
<b>5</b>	Multi meter
<b>6</b>	Vacuum gauge suitable for measuring of 760 hg with adopter
<b>7</b>	BDV & PPM kit

Note- Before use of equipment, calibration certificate to be submitted to BHEL.

**Signature of Contractor**



**ANNEXURE-G****ORGANIZATIONAL INFORMATION**

<b>Sl.</b>	<b>Description</b>	<b>Bidder's Information</b>
1	Bidder's Name, Full Address / Pin Code	
2	Name(s) of Contact Person(s) Mobile No(s). of authorized signatory of bid document	
3	Tel. No. / Fax No./ e-mail	
4	Bid Ref. No. & Date	
5	Type of Company (Limited Company / Private Company / Co-Operative Society / Partnership Firm / Proprietorship)	
6	Year of establishment, Company Registration No. & date	
7	Director / Partner / Owner/ Proprietor Information	
9	Income Tax PAN	
10	GSTIN Tax Registration No.	

(Signature & seal of Bidder)

*Note-Compliances period of the observations found during tendering will be 48 hrs from the date & time of intimation.*