

**H.P. STATEFOREST DEVELOPMENT CORPORATION LIMITED, VAN  
NIGAM BHAWAN SDA COMPLEX KASUMPTI SHIMLA-9.  
GSTIN 02AAACH4036L2ZV**

**Tender Notice**

E-tenders under two cover system invited from experienced & reputed Manufacturers / experienced suppliers/ Authorized dealers as per IBR Act for the supply, erection/installation, dismantling of Two number Horizontal Oil Fire Multi tubular Boilers of 2000 kg/Hr steam generation capacity with LSHS Fuel Burner along with Modification of Fuel Storage Yard (Furnace Oil to LSHS ) and Repair of Steam Pipeline and fittings on Turn –key –basis.

The e-tenders shall be received and opened in the office of M.D. HPSFDC Ltd. Kusumpti Shimla (HP) upto dated and time mentioned below

S.No.	Particulars	Approx. (Qty.)	Tender form fee (incl. GST)	Earnest Money	Date and time of opening of Technical Bid	Date and time of opening of Fiancial Bid
1.	A. Supply, Installation, Commissioning of Packaged type Boilers with different type of accessories, mountings and component etc. as per IBR Act, 1950.	2 No.	1180/-	200000/-	09-07-2025 11:00 Am	10-07-2025 03:00 Pm
	B. Modification of Fuel Oil Storage Yard (Furnace Oil to LSHS Fuel).	1 No.				
	C. Repair of Steam Pipeline.	1 No.				

Telegraphic/Postal and conditional tenders will not be accepted. If needed, the negotiations will be held only with the lowest tenderer (L-1). For E-tender/s please log on to [www.hptenders.gov.in](http://www.hptenders.gov.in) and for terms & conditions of E- tenders please visit on official website [www.hpforestco.in](http://www.hpforestco.in)

  
Executive Director

Endst. No. HPSFC/HO/R&T/2025-26/ 317 - 50

Dated: 13-06-25

1. The Managing Director, HPSFDC Ltd, Van Nigam Bhawan, Shimla for information please.
2. The Director (N)/(S) & (Central), Dharmshala, Shimla and Mandi for information please.
3. All Divisional Managers of FWDs and General Manager, R&T Factory, Bilaspur and Nahan for information and wide publicity.
4. All contractors whose addresses are available in this office for information.
5. Notice Board Factory / Office for display.
6. General Manager, R&T Factory, Bilaspur for information and further necessary action please.
7. all Branches HO for information and necessary action please.

  
Executive Director



**HIMACHAL PRADESH STATE FOREST DEV. CORPORATION LTD  
VAN NIGAM BHAWAN SDA COMPLEX KASUMPTI SHIMLA-9.**

**Terms and Conditions of the E-tenders under two cover system invited from experienced & reputed Manufacturers / experienced suppliers/ Authorized dealers as per IBR Act for the supply, erection/installation, dismantling of Two number Horizontal Oil Fire Multi tubular Boilers of 2000 kg/Hr steam generation capacity with LSHS Fuel Burner along with Modification of Fuel Storage Yard (Furnace Oil to LSHS ) and Repair of Steam Pipeline and fittings on Turn -key -basis be opened on 09-07-2025 at 11:00 AM.**

1. The E-tenders under two cover system are invited for supply, erection/installation, dismantling of Two number Horizontal Oil Fire Multi tubular Boilers of 2000 kg/Hr steam generation capacity with LSHS Fuel Burner along with Modification of Fuel Storage Yard (Furnace Oil to LSHS ) and Repair of Steam Pipeline and fittings on Turn -key -basis on behalf of the HP State Forest Development Corporation Ltd. Shimla HP.
2. Interested tenderer may visit the site before offering the tender so as to know technical details regarding proposed site, civil works involved for proper erection/functioning of Boiler, Fuel Storage Yard and Steam Pipeline etc.
3. Tenderer/s should be registered under GST ACT and capable of raising Tax Invoive. Copy of GSTIN ID, PAN No. and Manufacturer/ Authorized dealer certificate under the Indian Boiler Regulations Act may be uploaded with other documents otherwise e-tender shall not be accepted.
4. The cost of tender form Rs. 1180 (Including GST)/- ( One Thousnd One Hundered and Eight Only) shall be received through demand draft in favour of "HP STATE FOREST DEVELOPMENT CORPORATION LIMITED" payable at Shimla HP , the scanned copy of Demand draft be uploaded with E-tender. The tenders shall be opened on 09-07-2025 at 11:00 AM in the presence of tenderer/s who wish to remain present during this process. However, process of opening of tenders shall not be postponed or deferred for want of presence of tenderer/s. EMD of the tender shall be of Rs. 2,00,000/- (Two Lakhs only) through Bank draft in favour of "HP STATE FOREST DEVELOPMENT CORPORATION LIMITED" payable at Shimla HP .Tenderer/s shall have to upload scanned copy of DD of required amount of EMD and original DD shall have to be submitted in A/C branch of Head Office and got the receipt issued on or before the date & time fixed for opening the tenders.
5. The original DD and copy of certificate of GSTIN registration shall have to be submitted by the e-tenderer be FA-cum-CAO Head Office on or before the date and time fixed for opening of tenders. Tenders received without paying of cost of tender form shall not be considered.
6. The e-tenders should be uploaded / received at tender website ([www.hptenders.gov.in](http://www.hptenders.gov.in)) on or before 09-07-25 up to 10:00 AM.
7. The E- tender must be submitted in two separate covers, one containing the Technical Bid giving all technical details of Boiler and its efficacy, details / drawing /manual of Boiler and accessories involved, profile of the company list of such type of Boilers and its performance, running cost, technology to be used and details of after sales service including warranty, civil work drawing/ specifications and Prospective Work Schedule for the erection works etc. and other works as specified in point No. 24 of terms and conditions must be filled in proforma no I (attached) and bidders declaration form in proforma II (attached) otherwise technical bid shall not be considered. The second cover should contain price item wise price bid and only total price bid shall be considered for one package of supply , installation, dismantling of existing boilers (including civil works) ,electrical attachments , accessories, steam pipeline fittings etc. of Boiler and its Commissioning , Permissions, Passing etc. from regularity authorities of Himachal Pradesh on



- turnkey basis. Any discount should be incorporated in offered price bid. No item wise evaluation will be done and only total price bid shall be considered for declaring L-1.
- First only technical bids will be opened by the committee and price bid of only those parties will be opened whose technical bid are approved by the committee. In case the finalization of technical bid is not completed on date 09-07-2025 the process shall be continued up to next working day. The price bid of those, tenderer who's technical bid are rejected will not be accepted / entertained. The negotiation shall be held with L-1 only, if required.
8. Telegraphic/ conditional and incomplete tenders will not be accepted.
  9. The successful tenderer will have to deposit Rs. 10,00,000/- as security for the work with in 10 days of issuing the communication by GM R&T Factory Bilaspur and the EMD amount deposited by successful tenderer shall be adjusted / incorporated in the security. The security deposited will be released on the successful completion of work. The earnest money of unsuccessful tenderers will be returned to them after opening/finalization of the tender. In case of successful tenderer, the earnest money will be adjusted.
  10. Rates offered in the tender will remain open for 20 days from the date of opening of the tenders.
  11. The complete job/work including erection work has to be completed within THREE MONTHS from the date of placement of work order. After stipulated period of THREE MONTHS only however only ONE MONTH extension can be granted by the higher authority on account of unavoidable circumstances. If successful tenderer fails to supply / install, complete job within above mentioned period then the tender will be cancelled and security amount shall be forfeited in favour of HPSFDC.
  12. In case of any dispute, jurisdiction of court will be at Bilaspur Himachal Pradesh.
  13. Basic Rates (Excluding Taxes) should be quoted in lump sum on turn key basis and should be written in word & numbers and should be F.O.R. R&T Factory, Bilaspur HP.
  14. The invoice/bill of the Boilers and other allied works will be issued on GST Tax Invoice (for taking input tax Credit) under rule of GST ACT. The Bill be prepared in the Name of "Himachal Pradesh State Forest Development Corporation Ltd R&T Factory Bilaspur. Our GSTIN No. 02AAACH4036L2ZV."
  15. The undersigned or any competent authority of HP State Forest Development Corporation Ltd. Shimla, reserves the right to reject any or all the e- tenders without assigning any reason.
  16. The supply/ erection/ installation work has to be done as per approved Technical specifications mentioned in Technical Bid. Minor changes in the specifications can be made by mutual consent in writing.
  17. The successful tenderer shall offer in writing to GM of R&T Factory Bilaspur HP for the inspection of Boiler and other accessories, electrical equipments etc. and will start the work of erection/ installation after approval by the General Manger R&T Factory Bilaspur.
  18. The General Manger R&T Factory Bilaspur shall depute the representative (J.E Mech.) for inspection of the supply and erection Job at different stages. The stages will be decided before commencement of job.
  19. The 70 % payment will be released after complete Boiler, having transported and installed at R&T Factory Bilaspur. Balance 30 % payment will be released after its satisfactory working after erection, commissioning, passing by competent authority i.e. Chief Inspector of Boiler (H.P) as per IBR norms.
  20. The security amount of the successful tenderer shall be released on satisfactory supply, erection of the supplied Boilers and other allied works after successful working/running for 3 months in the factory.
  21. TDS etc as per rules will be deducted from the bills of the tenderer.
  22. The cost of testing of any material/ job will be borne by the tenderer.
  23. In the event of failure or default on the part of the firm in completion of the assigned and tendered work, the HP State Forest Development Corporation Ltd. through its General Manager shall be



competent to cancel the tender and to take action for forfeiture of security money deposited by the tenderer.

**24. Details of works (The Scope of Work is as per the details given under Sr. No. A, B and C for the implementation of the works:)**

**A. Boiler:**

- Supply, Installation, and commissioning of Packaged Type Boiler (2000 kg/hr) with LSHS fuel Burner.
- Dismantling, Removal and Transportation (Inside Factory Store Yard approximate distance 100 meter) of the existing boilers and accessories.
- Testing, Running and operation of all system (on Turn Key basis) as per regulatory compliance in Himachal Pradesh.
- The boiler must be provided with all accessories and mountings. Along with all other required components for efficient operation of boiler like Chimney along with Wet Scrubber or any other device and shall meet the mandatory norms under Environment Protection Rules 1986 (1 No. capable with the Chimney in each Boiler), Feed water cylindrical Tank capacity with 12 KL covering with Glass wool insulation along with water softener unit(1 No. capable with both Boilers) etc. required for the operation of boilers.

**B. Modification of Fuel Oil Storage Yard (Furnace Oil to LSHS Fuel):**

- The current Fuel Storage tank of 70 KL is above the ground. Conversion/modification of 70 KL Tank into three equal capacity chamber each of (23.3 KL Capacity) be suitable for storing of LSHS fuel up to 40 KL. Ensuring compliance with fire and safety regulations.
- Replacement of pumps, valves, filters, and installation of a preheating system etc. compatible with LSHS Fuel for 2 KL Fuel feed tank.
- Construction of Reinforced Concrete Ramp for unloading of Fuel Tankers Size (L-12 meter , B- 3 meter, H- 2 feet ). Load Test and Quality assurance.
- Obtaining all necessary licenses and permissions for the storage of LSHS Fuel in Factory from regulatory authorities.

**C. Steam Pipeline:**

- Inspection and repair of existing steam pipelines from Boiler House to Production Section if any leakage noticed.
- Replacement of worn-out steam condensate pipes and Steam Traps to main condensate pipe at ten points with insulation.
- Replacement of Steam Control valves (4") 6 No. in Steam Pipe Line, Pressure Reducing Valves (2") 2 No. and Safety Valves 2 No. in Steam Pipeline along with Bypass System.
- Replacement and Providing of MS Chequered sheet on the platform of steam control unit. Size of Platform: Length 15 feet, Width 10 feet, Thickness of sheet 6mm.
- Placement of steam Pipelines on existing Stays to ensure proper support, alignment and durability at Four Positions.
- Ensuring all modification meet with operational safety and efficiency standards.

**25. Details of works (as per Condition no. 24) are further subject to the sub conditions that are mentioned as:**



- a. Only IBR approved erector for Boiler erection and Steam piping fabrication is allowed to participate in this E-Tender.
- b. The Boilers will be erect as per drawing and under Reg. of IBR-1950 after getting approved from Chief Inspector of Boiler (H.P).
- c. The fabrication of steam pipeline and drain line will be erect as per provisional approved drawing laid down under Reg. of IBR-1950 after getting approved from Chief Inspector of Boiler (H.P).
- d. The successful tenderer will have to offer Boiler spare part assembly for stage-wise ground inspection to Chief Inspector of Boiler (H.P).
- e. The successful tenderer will have to use boiler quality material and submit Material Test certificate of Boiler components duly endorsed by Chief Inspector of Boiler (H.P).
- f. The successful tenderer will have to engage qualified IBR welder for welding works.
- g. The successful tenderer will have to notify Chief Inspector of Boiler (H.P) before commencing any welding work and have to offer weld joints for setup inspection and radiography test as per IBR- requirements.
- h. The successful tenderer have to offer Boilers for Hydraulic Test to Chief Inspector of Boiler (H.P) after completion of boiler erection works.

26. Any permission / license required for undertaking above supply and work shall be the responsibility of the Successful tenderer.

27. After successful completion of entire work Boilers have to be got passed from the competent Authority by the tenderer.

Managing Director

I/we, the undersigned have carefully read and understood all the Terms and Conditions of the E-tender and hereby convey my/our acceptance of the same.

Sr. No.

Name of the Firm

Signature



**Term of Reference for E- Tender:**

**A. Details of Boiler:**

**Proforma No. I Technical Specifications for Boiler:**

Sr. No.	Particulars	Basic Details (Required)	Details to be filled by Bidder
1	Design code	IBR-1950 with latest amendment upto i.e 2025	
2	Make/ Model of Boiler	Vendor shall specify with manufacturing year.	
3	Type	Skid mounted Industrial horizontal smoke tube with packaged construction type 3 pass designs, LSHS Fuel Fire stationary boiler.	
4	General construction	Including Structural ladders, supports & 360 Deg platforms on boiler for Operation & Maintenance.	
5	Fuel Burner	1 No for LSHS along with Pressure Gauges	
6	Capacity of steam generation	2TPH F& A 100 Deg C	
7	Design pressure range	10.54 KG/CM <sup>2</sup>	
8	Safety valve set pressure-1	9.5 KG/CM <sup>2</sup>	
9	Safety valve set pressure-2	10 KG/CM <sup>2</sup>	
10	Operating pressure	8.0 KG/CM <sup>2</sup>	
11	Hydraulic test pressure	15.81 KG/CM <sup>2</sup> (1.5Times then Design Pressure)	
12	Steam quality(dryness fraction)	Dry saturated>98 %	
14	Flue gas temp. at boiler outlet	Vendor to specify in Deg. C (As per standard fixed)	
15	Heating surface area	Vendor to specify (As per IBR Standards)	
16	Tubes OD & Thickness	Vendor to specify (As per IBR Standards)	
17	Shell Thickness	Vendor to specify (As per IBR Standards)	
18	Material of construction	SA515/516Gr70–Shell (As per IBR approved) BS3059ERW-Tubes	
19	Water holds up capacity	Vendor to specify (As per IBR Standards)	
A	Water content when Full	Vendor to specify (As per IBR Standards)	



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B	Steam Space	Vendor to specify (As per IBR Standards)	
C	Water content when at working Level	Vendor to specify (As per IBR Standards)	
D	Volumetric heat release rate	Vendor to confirm (As per IBR Standards)	
20	Fuel firing system	Fully automated burner for LSHS fuel operation.	
21	Doors	Hinged type door at front & rear side of boiler with flame inspection glass. Compatible with safety norms.	
22	Chimney	1 No suitable for LSHS fuel flame residue (if any) along with Wet Scrubber or any other device and shall meet the mandatory norms under Environment Protection Rules 1986.	
23	Feed Water Tank along with water Softener Unit compatible with boiler	1 No 12 KL cylindrical Tank insulated with 4" Glass wool covered with aluminum sheet-26 gauge	
24	<b>Mountings &amp; fittings</b>		
A	Main stop valve steam	1 No	
B	Non return valve after main steam stop valve	1 No	
C	Safety valve	Spring loaded safety valve with discharge port— 2 nos (With capable of 50% venting capacity each)	
D	Air vent valve	1 No	
E	Auxiliary valve	1 No	
F	Mobrey control	Automatic float type water level for redundancy water level control & All safeties with alarm signal	
G	Water level gauges	Reflex type 2No's water level gauges to be provided.	
H	Manual blow down valve	1 No	
I	Isolating valve for water level controllers	2 No	
J	Isolating valve for pressure switches and pressure gauge	2 No	
K	Fusible plugs	As per IBR requirements and specifications	



L	Hydraulic Inspection test connection	1no	
M	Pressure gauge with siphon & cock	10"dia dial type Burdon pressure gauge—2 No. Range 0 to 20 kg/cm <sup>2</sup>	
N	Sight glass assembly	1set	
O	Feed check valve with disc check valve (NRV)	As per IBR requirements and specifications	
P	Feed water pump	Electrically drive feed water pump with common base frame with suction & delivery line with valves and pressure gauge-2 No.	
Q	Control panel & instrumentation	Control panel with internal wiring, MCCBs, starters, control contactors, Relays, Auto & manual selector switch, LED type indicating lamp & Push button with voltage and ampere meters should be installed at a distance of approx 10 feet from the boiler. Audio alarm sound shall be hearable upto 10 Mtr minimum. PLC panel for complete boiler operation, PLC program should include complete boiler monitoring calculations.	
R	Refractory work and insulation	To be done where required at site/factory	
S	Overall Dimension	Vendor shall specify	
T	Steam Flow Meter	Vortex Type-1 No.	
U	Water Flow Meter	Orifice Type-1 No.	
V	Oil Pump	Gear Oil Pump with Valves, Fittings with Duplex Filter-2 No.	
W	Paint	Double Coat of Heat Resistive Primer and insulation paint.	
25.	<b>Operational Consideration:</b> A brief guide to writing/filling in technical specification for boiler in Porforma No.I		Acknowledged <input type="checkbox"/> Declined <input type="checkbox"/> ("Fill the appropriate Box")



### **A brief guide to writing/filling in technical specification for boiler in Porforma No.-I**

The Boilers shall be of same models should be horizontal, multi tube type fully packaged 3- pass design, automatically controlled, tested and proven under rigorous conditions and subject to the strictest quality control procedures. The boiler should be of genuine three pass flue path. Flue gases should pass through the furnace (first pass) whereas second and thirds passes should be formed from smoke tubes. The furnace shall be Single construction with 1 Burner compatible with LSHS shall be provided.

The boilers shall be complete with all mountings, accessories, controls etc.

- (i) Boilers construction shall be in accordance with the latest revision of Indian Boiler Regulations 1950, Act applicable. Materials used shall be approved and tested as per relevant existing codes. All the welded joints shall be as per code requirement.
- (ii) The boilers should be of modern compact design and be genuinely packaged design.
- (iii) The fire tubes should be plain without any restriction inside. These tubes should be easily accessible both from inside as well as outside for inspection and maintenance. These tubes are to be tightly expanded in the tube plate and seal welded. The required number of stay tubes and stay bars are to be fitted the boiler.
- (iv) All working parts of the boiler should be accessible for ease of inspection and maintenance. Access to the tubes is provided with hinge doors on front and back sides.
- (v) All accessories and fittings etc. used may be of latest design/model etc. with their easy availability in the market for future replacement / repair or up gradation without modification in existing structure and design of the boiler.
- (vi) The hinge doors of the steam drum are lined with ceramic fiber and clad with SS 304 sheets on the tube side of the door.
- (vii) The boilers shall be designed and constructed to generate steam by firing all oil fuels. Efficiency shall be demonstrated as per standard BS – 845 Part 1 Indirect methods.
- (viii) A full 360-degree platform shall be provided on top of the boiler for ease of operation and maintenance (for all instruments and mountings on the top).
- (ix) Boilers and accessories shall be mounted on a single base frame. Individual systems such as feed water pump, Control Panel etc. may be mounted elsewhere or as per requirement.
- (x) The boilers should be completely insulated with LRB Mattress/ glass wool of good quality 4"thick and CRCA sheeting/ glass wool will be covered with aluminum sheet-26 gauge. The insulation should be done at factory before dispatch.

**Note: All accessories and fittings etc. used may be of latest design/model etc. with their easy availability in the market for future replacement / repair or up gradation without modification in existing structure and design of the boiler.**



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**B. Details for Modification of Fuel Oil Storage Yard (Furnace Oil to LSHS Fuel):**

The Modification of the existing Furnace Oil storage yard and associated equipments like Pumps to be used for unloading/loading to storage tanks to handle Low Sulfur Heavy Stock (LSHS) fuel for boilers. The works includes modifications to the current setup for preheating of fuel through immersion heaters/steam and the construction of an RCC ramp for tanker unloading. Testing and commissioning of the modified fuel storage and handling system including filters.

Sr. No.	Particulars	Details
1.	Modification on storage tank of 70KL making 3 equal capacity chambers of 23.3 KL each and providing the Dip hole and Dip Rod and/ or measuring system as per scale to indicate volume based metric (to determine liquid level measurement), drainage system in each chamber and approachable platform with ladder. Dip Rod Scale From 0 to 23000 liters to be provided should have 23 Major marks at each 1000 liters and 10 sub divisions between two major marks representing 100 liters.	Up to 40 KL
2.	Supply, Installation, Testing and commissioning of necessary equipments like filters and pumps for LSHS feed tank for Boiler as per design provided by the tendering authority.	2KL- Fuel Feed Tank
3.	Construction of M 20 Grade i.e. (1:1.5:3::Cement: Sand: Aggregate) RCC Ramp for unloading of Fuel Tanker at designated place specified by tendering authority.	L-12 meter, B-3 meter, H- 2 feet
4.	Integration with the existing fuel supply pipeline and necessary instrumentation at inlet of storage tank and inlet of Boiler feed tank (2 KL) as per design to be provided by the tendering authority.	Oil Flow Meter-2 No.

**C. Details for repair of Steam Pipeline:**

Repair Work of Steam Distribution Station with Required Valves, Bypass System, Placement of Steam Pipeline over Stays, and Repair of Condensate Pipe. Testing and commissioning of the modified steam pipeline and steam distribution system.

Sr. No.	Particulars	Details
1.	Installation of required Valves and implementation of Bypass system on steam distribution station <b>(Key-I)</b> .	4"- Steam control Valve: 6 No. 2" Pressure reducing valves- 2 No. 4" Safety Valves-2 No.
2.	Replacement of Platform of steam distribution station with MS Chequered sheet and providing railing	Length 15 feet, Width 10 feet, Thickness of sheet 6mm.
3.	Placement of steam pipeline over existing stays	At four points.
4.	Replacement of worn out condensate pipe attached with main steam pipeline , steam trap and with insulation of -1" MS pipe <b>(Key-II)</b> .	Ten Points.

**Note: (Key-I) and (Key-II) attached.**



## BIDDER'S DECLARATION

I, the undersigned \_\_\_\_\_ Son/Daughter of \_\_\_\_\_  
Shri \_\_\_\_\_ Proprietor/Partner/Director/Authorized Signatory of M/s  
\_\_\_\_\_ am competent to sign this declaration and execute this tender  
document.

I have carefully read and understood all terms and conditions of the tender and here by  
convey my acceptance of the same.

I /We \_\_\_\_\_ (Tenderer) hereby also declare that the Firm/Agency  
namely M/s. \_\_\_\_\_ has not having any pending criminal case  
against Partners /Proprietor/Others and we are not blacklisted by any Government Agency  
for any fraudulent practices so far.

The information/documents furnished along with the above application are true and authentic  
to the best of my knowledge and belief.

I/We/am/are well aware of the fact that furnishing of any false information/fabricated  
documents would lead to rejection of my tender at any stage besides liabilities towards  
prosecution under appropriate law.

Date:

Signature of the Authorized Person  
(With Seal/Stamp)

Place:

Name of the Person :

Mobile No: :

UID No: :

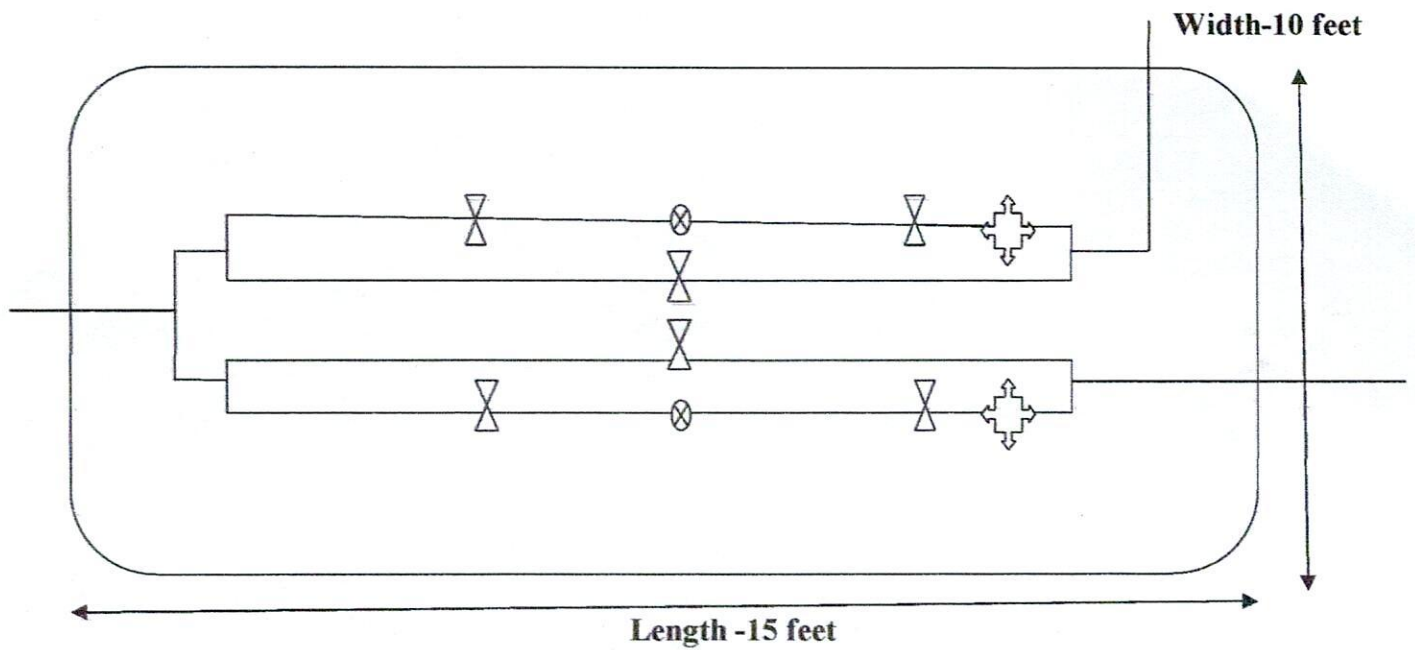
***Note: This declaration must be submitted along with technical bid. Above mentioned  
form - Vendors need to fill up the form with stamp and signed on letter head and same  
should be uploaded online also.***




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**Schematic diagram of Steam distribution station showing valves in R&T Factory  
Bilaspur**


**(Key-I)**



- **Steam Distribution Platform Size:** Length-15 feet, Width-10 feet, Thickness- 6mm
- **The Main Steam pipeline is of 4" dia.**

**4" steam control Valve**      

**2" Pressure reducing Valve**      

**4" Safety Valve**      



# Schematic diagram showing Steam Pipeline and Condensate Pipe in R&T Factory Bilaspur

(Key-II)

