

To,
As per Enclosed List,
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Sub:- Design, Manufacturing, Supply, Erection, Testing & Commissioning of Plain tube type Economizer.

Dear Sir,

With reference to above mentioned subject & as per instructions of Hon. Joint Director, Steam Boilers Pune. We are interested to replace our existing Gilled tube type economizer of J.T. make boiler having register number- MR-9206 having heating surface 350 Sq. Mtr. By plain tube type economizer having heating surface 275 Sq. Mtr. as per IBR rules & regulation from IBR approved supplier/fabricator.

Sr.no.	Description	unit
1	Design, Manufacturing, Supply, Drawing, Fabrication, Erection, Testing & Commissioning of Plain tube type Economizer for 20MT/HR J/T make water tube boiler having working pressure- 16.87 Kg/cm ² & 320°C, Heating Surface -780 m ² , Boiler register No.- MR-9206 with required damper ducting expansion below.	01 Nos.

Boiler Details :-

Sr.No.	Make	Reg. No.	Working Press. & Temp	Hyd. Pr.
01	ISGEC John Thompson Ltd. Calcutta.	MR-9206	16.87 Kg/cm ² & 320°C Heating Surface -780 m ²	25.3 Kg/cm ²

Existing Economizer details as below

Sr. No.	Make	Type	Reg. No.	Heating Surface	Working Press. & Temp	Hyd.Pr.
01	Arjun Wadkar	Gilled Type	MR/E-779	350m ²	25 Kg/cm ² & 320°C	50 Kg/cm ²

Required Economizer details as below

Sr. No.	Make	Type	Reg. No.	Heating Surface	Working Press. & Temp	Hyd.Pr.	No. Of Coils	Coil Size	Stubs Size	Coil Material
01		Plain Type		275m ²	25 Kg/cm ² & 320°C	50 Kg/cm ²	24 Nos with Stubs.	44.5 OD x3.66 Thick.	44.5 OD x 4.8 Thick.	BS-3059 Part 1 st ERW-320

Scope of Work :-

- 1) Existing Gilled Type Economizer Coils, Header & its related dismantling work & shifting work to scrap yard as per instruction given by Works Manager Sir in your scope.
- 2) If required dismantling and reconstruction of soot blower and its piping, feed water inlet & outlet piping, related ducting for installation of economizer coils as per site condition is in Fabricator scope.
- 3) Required necessary changes in existing flue gas ducting for installation of new economizer along with ducting from boiler outlet to economizer inlet and bypass duct with 2 Nos. suitable size of damper and expansion below for gas inlet and outlet through economizer as well as bypass duct.
- 4) After installation of new plain tube type Economizer- Coils, Header, Stubs (Coils, having total heating surface 275 Sq. Mtr. With material BS-3059 Part 1st ERW -320 (Coil Size- OD 44.5mm x Thickness 3.66mm x Developed Length Approximately 80 Mtr. per Coil, Stub size -44.5mm OD x 4.8mm Thickness) Total Coil-24 Nos. soot blower piping, feed water inlet & outlet piping also related valve & required ducting modification, damper & related works is in contractor scope.
- 5) You should arrange visit of Hon. Joint Director (Steam Boiler, Pune) as per requirement is in contractor scope.
- 6) You should take a note, Economizer coil replacement by new one as per IBR rules and regulation is on turnkey basis as per prescribed manner for Bhavaninagar.

- 7) You should submit all document as per IBR rules and regulation i.e. Material test report before and after fabrication, weld preparation, Final welding 'X' ray report etc.
- 8) Required necessary tools & tackles, Welding machine, Gas cutter sets and required consumables etc will arranged by supplier. Provision of Electrical supply is in Factory scope.

Scope of Supply- :

- 1) All Coils, Header & Stubs (Material BS-3059 Part 1st ERW-320)Coil Size- 44.5mm OD x Thickness 3.66mm x Developed length Approximately 80 Mtr. per Coil & Stub size -44.5mm OD x 4.8mm Thickness – Total Coil -24 Nos. & stubs- 48 Nos.
- 2) Economizer Coils material be TATA/JINDAL Make.
- 3) IBR approved Inlet outlet header of adequate size with studs thermo well pocket pressure gauge, Safety valve, Drain vent, conation of adequate size with valve.
- 4) Temperature gauge
- 5) Soot blow – 02 Nos.
- 6) Inlet outlet ducting with bypass ducting material.
- 7) Expansion below
- 8) Inlet outlet bypass ducting damper,
- 9) Side plate folding with nut bolt fitting.
- 10) Material required for duct modification.

Terms & Conditions:-

- 1) Visit factory site before quoting to see the actual work volume.
- 2) All IBR formalities & certificates regarding material test, Submission of drawings, Drawings approval from concerned IBR authority. All Welding joint X-ray to be submitted as per IBR Rules & Regulations.
- 3) Supply, Installation of coils and stubs, Testing, Commissioning of Economizer coils & Hydraulic test of Economizer is in your scope.
- 4) All material of Economizer must be TATA/JINDAL Make. All Coils & Stubs (Material BS-3059 Part 1st ERW-320)Coil Size- 44.5mm OD x3.66mm Thickness x 80 Mtr. Developed length Approximately per Coil & Stub size -44.5mm OD x 4.8mm Thickness – Total Coil -24 Nos.
- 5) Enclosed Drawing for ready reference.
- 6) Ovality – Not to exceed 3% to 5%
- 7) All above said work shall be carried out under supervision & observation of Works manager sir at Karkhana site.
- 8) Simple accommodation facilities to your workers & guest house facility (1 person only) to your site engineer is in factory scope.
- 9) All above mentioned work shall be completed within 5 weeks. If the work is not completed within the stipulated period you will be fined per day basis.
- 10) You should give test certificate of materials & guarantee for 5 complete crushing seasons.
- 11) Depute your representative at factory site to see actual work to be done if required
- 12) caution :- If any injury/accident to your workers during above work, you will be held responsible for the same

Hence we request to you please send your most*competitive offer for above work as early as possible.

Thanking you,

Yours faithfully,


(A. B. Jadhav)
MANAGING DIRECTOR

