

PC:AD:Developments:

17 May 2008

BHARAT HEAVY ELECTRICALS LIMITED
PIPING CENTRE CHENNAI 600 017

BHEL Piping Centre is interested in Empanelling Vendors for Supply of **Piping Systems, Pipe Clamps and Tanks and Vessels(with tori Spherical Dished Ends)** for **Power stations**, including Material Procurement, fabrication and forwarding the finished Items to Various Project sites in India or to BHEL Shipping at Tiruchi/Chennai. Materials are to be procured from approved sources as per International and National codes and fabrication shall be made as per approved procedures.

Vendors who have Experience and capacity to produce at-least an average of 100 MT of Piping items/50 MT of Clamps per month and about 1000/500 MT per annum with sufficient financial background with a minimum Turn over of Rs.10.0/3.00 Crore in the previous three consecutive years, may send their expression of interest, with detailed application, and all technical information including List of Machineries, Covered and Open Area available, List of reputed Customers with details of orders executed, Balance sheets of last three years and any other information of relevance and important.

Applications will be scrutinized and Vendors meeting our requirements will be evaluated and empanelled as per procedure. Vendors are also to be approved by our Clients like NTPC,NPCIL,Tatas etc. before we can place orders for projects of these customers.

VENDORS ARE REQUESTED TO GET FAMILARISED WITH PRODUCTS AND TECHNICAL REQUIREMENTS FROM WEB SITE OR THE OFFICE OF AGM/AD BHEL PIPING CENTRE< CHENNAI :

VENDORS ARE REQUESTED TO INDICATE CLEARLY WITH RESPECT TO PIPING SYSTEMS OR PIPE CLAMPS THEY ARE LIKELY TO SUPPLY CLEARLY AND SEPARATELY

Detailed application as above may be sent to

"AGM/Ancillary Development"
BHEL Piping Centre,
80 G.N.Road, T.Nagar
Chennai 600 017

Application forms are as below:

(FORM FOR VENDOR REGISTRATION WITH)
BHARAT HEAVY ELECTRICALS LIMITED::PIPING CENTRE::CHENNAI
ANCILLARY DEVELOPMENT

VENDOR REGISTRATION CELL

SUB CONTRACTOR	FORM:	VRC:08
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VENDOR BIO DATA

DATE:

VENDOR CODE:To Be Assigned byBHEL

GENERAL INFORMATION :TO BE FILLED BY VENDOR

1.0. Name of firm with Address: Regd.Office Factories

2.0. Telephone :
 Fax :
 E-Mail ID: :

2.1. Nature of Company :

2.2. Year of Establishment :

2.3. Licensed Capacity :
 Installed Capacity :

2.4. Area-(in Sq.Metres)
 Covered Area :
 Open Area :

2.5. Registrations/accreditation with: If yes, furnish copies of certificates

DGTD : YES NO

State Directorate of
 Industries : YES NO

National Small Industries Dept:
 Corporation YES NO

EIL	:	YES	NO		
PDIL	:	YES	NO		
IBR	:	YES	NO		
Lloyds	:	YES	NO		
Other BHEL Units Hyderabad,Tiruchi,Bhopal.	:	YES	NO		
Other Public Sectors		YES	NO		
NTPC					
NPCIL					
2.6. Technical collaboration with Foreign/Indigenous firm (If YES, so give details)	:	<table border="1"> <tr> <td>YES</td> <td>NO</td> </tr> </table>		YES	NO
YES	NO				
Name of Organisation	:				
Period of Validity	:				
2.7. ISO Certification (If obtained, copy to be enclosed)	:	Obtained:	ISO-----		
		Year expected:			
		Unlikely:			
3.0. S.T.Registration No.	:				
3.1. CST Registration No.	:				
3.2. Sister concerns	:				
3.3. Organisation					
Organisation chart upto (To be enclosed)executives level clearly indicating the Head of Qc Department	:				
3.4. Name of Chief Executive	:				

3.5. Details of Directors/Partners/Proprietors:

Sl.No.	Names	Qualification	Profession

3.6. Officers to be contacted :
(Name & Designation)

a. at Factory :

b. at Head Office :

3.7. Total Organisation strength :

Admn.&Commercial :

Engineering / Technology :

Manufacturing :

Quality Department :

Others :

Executives	Supervisors	Others

3.8. Does the Chief of
Quality function report to
Chief Executive :3.9. Product Manufactured :
Latest Product Catalogue/
Literature/Quality Assurance
Manual to be enclosed for the
Products)

Sl.No	Products Description	Specification	Range/Size

4.0. Facilities
(Please enclose separate Annexure for (A to F))

Facility Qty(Nos.)	Name of Dept.	Specn./	
A. MANUFACTURING B. HANDLING C. TESTING D. HEAT TREATMENT E. PAINTING F. TOOLS/GAUGES MEASURING EQUPTS.			

4.1. Familiarity and availability :

of Material Code/Specn.
(ASTM/BS/IS/DIN/others)

4.2 General facilities :

Nearest Railway Parcel Office:

Nearest Trunk Road linking :

Godown/Warehouse facilities:

Connected Power load :

YES	NO
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Diesel generator services

Available with Capacity :

YES	NO
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4.3. Quality Management

4.3.1. Organisation Chart of Quality
Dept. to be enclosed :

4.3.2. Quality control /
Quality Assurance Manual :
to be enclosed

4.3.3. Procedure and Standards
Followed by your Quality
Control Dept. to be enclosed :

4.3.4. Source of procurement of
Raw materials :

5.0. Financial Status

5.1. Names of Bankers :

5.2. Branch :

5.3. Total Investments on fixed :
Assets

a. Buildings :

b. Equipments & Tools :

5.4. a. Financed by Institutions with ECS facility :

(Specify Institutions with their contribution)

5.5. a. Gross working capital :

b. Current liabilities :

c. Net working :

d. Minimum working capital :

5.6. Working capital arrangements:

a. Cash credit :

b. Bills discounting :

c. Own capital :

d. Bank guarantee :

e. Others :

5.7. Income tax clearance :
certificate (Please enclose the latest Income tax certificate)

5.8. Balance sheet (Audit balance :
Sheet latest to be enclosed)

5.9. Customers previously :
supplied

BHEL Units	YES	NO
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Other Public Sector :

Private Firms	:	YES	NO}
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Exports	:	YES	NO}
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6.0. Indicate if any relative / relatives employed in BHEL / Ex-BHEL employee is

Associated with this firm/BHEL employee has any share in the firm.

If Yes, give details (Refer NOTE below)

Sl.No	Name	Staff No	Designation Or previous Designation	Department or previous Department(s) Where worked

NOTE: Nearest relatives mean :

Wife, Father, Mother, Brother, Sister, Son, Daughter, Grand parents,
Uncles, Aunts, Cousins and their corresponding in laws.

Separate catalogues, Brochures, write-ups may also be enclosed.

Signature with Seal

Place:

Date:

**BHARAT HEAVY ELECTRICALS LIMITED, PIPING CENTRE, CHENNAI
ANCILLARY DEVELOPMENT**

Products to be manufactured:

1.Piping Systems: Low pressure and Power Cycle Piping systems of Thermal Power Station capacities up to 500 MW involving following systems:

Boiler feed suction lines, Condensate Lines, Turbine Extraction lines, Heater Drains and Vents, Cooling Water lines, Instrument and Service Air lines, High Pressure and Low Pressure Drains and Vents, Circulating water line weldments like mitre bends, Welded Tees , Heavy duty Pipe clamps etc

Materials: Carbon Steel of ASTM/API/IS, Alloy Steel ASTM A335P11/P22 with matched fittings like Elbows, Tees, Reducers, Flanges, etc. Clamps are manufactured from Carbon Steel SA 515 Gr 70 Plates and Alloy Steel plates of Gr 22/11.

Approximate Annual Requirement:

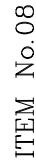
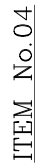
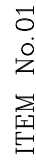
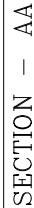
1.Piping Systems:(Item wise requirement)

Piping Systems Approximate annual requirement			
type	Category	Units(DU)	Wt KGs
Loose Items of Pipes	bend	6	979
	fitting	1476	116271
	pipe	14542	7863930
loose Total		16024	7981180
Machined items	endclosure	513	10027
	flange	765	184204
	machined item	843	22289
	spflange	5	7057
	stub	299	2293
machined Total		2425	225870
Welded items	ADOPTER	62	5824
	attachement	5264	1128174
	manifold	46	12148
	mitre	298	401933
	orifice	26	695
	Plateformed Pipes	4	18889
	plate formed reducer	136	42164
welded Total		5836	1609827
Grand Total		24285	9816878

2.Pipe Clamps:

TYPE	Approximate annual Requirement of Clamps								
	Alloy Steel	Numbers		Carbon Steel			Total DUS	Numbers	Weight
	DUS	Qty	Total wt	DUS	Qty	Total wt	DUS	Qty	Total wt
Bearingclamp	251	634	25708	610	1246	26838	861	1880	52547
horizontalclamp	547	4115	94741	1947	23649	187216	2494	27764	281958
Riserclamp	496	848	257207	1420	3722	187152	1916	4570	444359
rodclamp	28	3543	1467	54	1419	13262	82	4962	14729
specialclamp	82	137	31535	43	77	18312	125	214	49847
Trunionclamp	318	524	140657	186	290	64954	504	814	205611
Grand Total	1722	9801	551315	4260	30403	497734	5982	40204	1049050

Please refer to Sample Drawings for details:





01. METRIC SCREW THREADS AS PER IS:4218.

REV	DATE	ALTD	APPD	REV	DATE	ALTD	APPD
ZONE				ZONE			

O.P. JINDAL SUPER THERMAL POWER PLANT

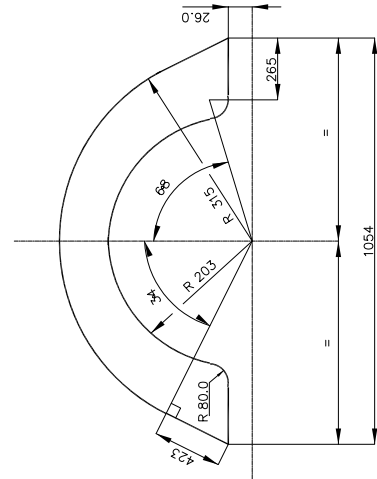
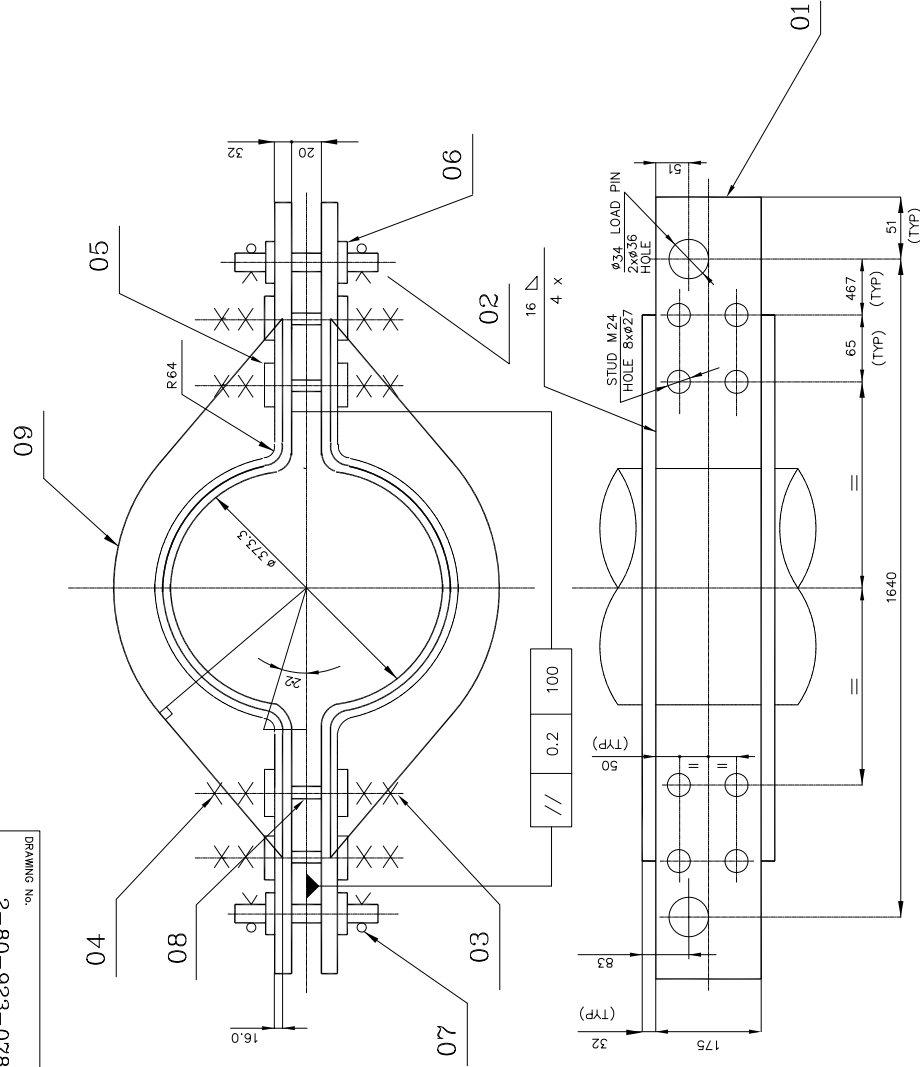
4 x 250 MW

ERICALS LTD.,

	TITLE			WEIGHT (Kg) 256.350	REF TO ASST / OLD Dwg	ITEM No.
	DEPT. CODE	CLAMP OF IN VOL. DIM C/M/F				
SHOCK ABSORBER CLAMP FOR PIPE OD508 (AS)			DRAWING No. 2-80-923-07921	REV 00	DATE 07.09.06	SIGN
DATE 07.09.06			NAME MARTHANDAN	SIGN 	DATE 07.09.06	ITEM No.

SIZE A2

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)



DESIGN PARAMETERS

LOAD : 4500 KG

TEMPERATURE : 540 °C

NOTES: -

FOR NOTES REFER DRG. NO. 4-80-800-34106

ITEM NO.	DESCRIPTION	STD	DRAWING NO.	ITEM NO.	VAR	MATL SPECN	MATL CODE	UNIT	UNIT WT.	QTY.	G S	ZONE
09	RIB PL.32x289x1054		28092307878					P	159422710000		30.819	
									SA387GR2CL2		4	
08	SPACER RING M24x20		48092362810	02				C	153392410000		0.114	
									SA18272CL2		8	
07	SPLIT PIN		4170408056						417040805600		0.028	
											4	
06	LOAD PIN WASHER		4140833000						414080003300		0.071	
											4	
05	STUD WASHER		4140824000						414080002400		0.031	
											16	
04	NUT M24		4132424000						413240002400		0.107	
											32	
03	STUD M24x220		48099999320	1				P	948222422800		0.66	
									SA193F16		8	
02	LOAD PIN DIA. 34x160		48099999307	11				C	9482224416000		1.14	
									SA105		2	
01	CLAMP PL. 32x175x1889		28092307878					P	159422710000		83.039	
									SA387GR2CL2		2	

TYPE OF PRODUCT
OR NAME OF
CUSTOMER/PROJECT

ARAT HEAVY ELECTRICAL
PIPING CENTRE. MADRAS

REV	DATE	ALTERED
01		CHECKED
ZONE		

ITEM No.	REF TO ASSY / OLD DRG.	QTY	DESCRIPTION	UNIT	REMARKS
302.142	WEIGHT (Kg).				

TITLE

7

RISER CLAMP

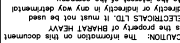
FOR PIPE ID 260X51 (AS)

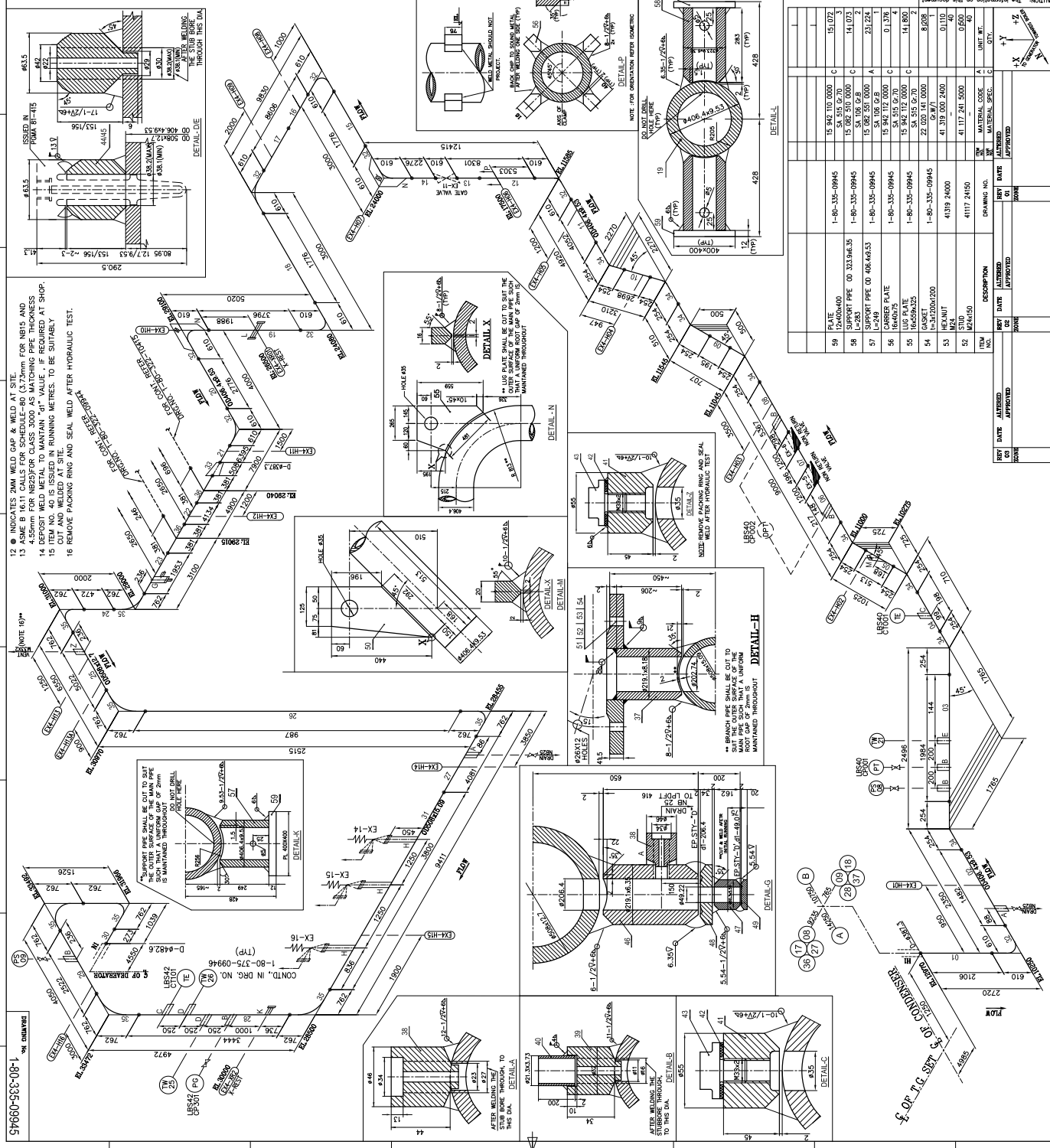
CARD	DRAWING No.
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FOR PIPE ID 260X51 (AS)

11 01 2-80-

SIZE A2





NOTES:—									
ALL DIMENSIONS ARE IN MILLIMETRS									
01 DESIGN PRESSURE : 8.5 kg/cm ² (a)									
02 DESIGN TEMPERATURE : 320°C									
03 WORKING MEDIUM : STEAM									
04 HYDRAULIC TEST PRESSURE AT SITE : 12.75 kg/cm ² (a)									
05 FOR STANDARD NOTES OF PRODUCTION & ERECTION OF PIPES AND TOLERANCE ON FITTINGS REFER DRWG-4-80-301-3755 & 4-80-301-2812 RESPECTIVELY									
06 FOR ERECTION SCHEDULE REFER DRWG-4-80-301-3755 & 4-80-301-2812 RESPECTIVELY									
07 FOR ERECTION SCHEDULE REFER DRWG-4-80-301-3755 & 4-80-301-2812 RESPECTIVELY									
08 FOR ERECTION SCHEDULE REFER DRWG-4-80-301-3755 & 4-80-301-2812 RESPECTIVELY									
09 FOLLOW UP : 10.									
10 FABRICATION, ERECTION & TESTING SHALL BE AS PER BR									
11 LENGTH OF PIPES BELOW 100mm OD-4MM ABOVE 100mm OD-15MM UNLESS OTHERWISE INDICATED									
12 PIPE EDGE PREPARATION & ELECTRODE DETAILS ARE AS FOLLOWS UNLESS OTHERWISE INDICATED									
PIPE SIZE OD	PIPE SIZE ID	PIPE SIZE THICKNESS	PIPE SIZE WELD	PIPE SIZE WELD	PIPE SIZE WELD	PIPE SIZE WELD	PIPE SIZE WELD	PIPE SIZE WELD	PIPE SIZE WELD
100	90	6	10	10	10	10	10	10	10
100	90	6	10	10	10	10	10	10	10
100	90	6	10	10	10	10	10	10	10
100	90	6	10	10	10	10	10	10	10
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