

 भारत हेवी इलेक्ट्रिकल्स लिमिटेड (भारत सरकार का उपक्रम) BHARAT HEAVY ELECTRICALS LIMITED (A Govt. of India Undertaking)			ENQUIRY		ENQUIRY		TOTAL ITEMS
Revision		Due Date of Quotation			NO	DATE	1
Code	No	Date	Vender Code		Indent no	Supply condition of material	
1	0						
Our Requirements Test Certificate Guarantee Certificate Instruction Booklet Sample Original Gate Pass			YES YES YES YES YES				
			Technical Delivery Conditions of Material				
			AS PER SPECIFICATION, DRAWINGS, QUALITY PLAN				
			Inspection Requirements				
			AT YOUR WORKS BY BHEL / LLOYD Register				
Serial No	Matrrial Code	Description & Specification	Unit	Quantity	Delivery Schedule		
1	NA	Supply of Bearing pedestal (fully assembled ready for installation at site) for 270 MW steam turbine as per enclosed specificatoins (1) technical bid containing technical offer, commercial terms and conditions and unpriced copy of price bid to be put in one envelope. Pirce bid containing only price of items to be put in a separate envelope, both envelope to be put in a bigger envelope. enquiry number and due date must be mentioned on all envelope.	SET	4	Lot No	Quantity	Destin. Date
					Each set comprises of 1 piece of item I. Front pedestal (as per drgs Combined Bill of Material & specifications) II. IP-LP pedestal (as per drgs Combined Bill of Material & specifications) III. HP-IP pedestal (as per drgs Combined Bill of Material & specifications) IV. LP-Generator pedestals (as per drgs Combined Bill of Material & specifications) 1st Set by 16 weeks, 2nd Set by 18 weeks, 3rd Set by 20 weeks and 4th Set by 22 weeks from the date of PO		
Dear Sir, Please submit your lowest quotation for the above material subject to our terms and conditions enclosed so as to reach us on or before the due date by 2.00 PM. Please not that : 1) This is only request for quotation & not an order. 2) Small scale industries should indicate SSI Regn. NO. in quotation / invoice. 3) In case you are not making an offer against the enquiry, we request you to post a regret letter.			Remarks: PARTIES NOT REGISTERED WITH BHEL SHALL SUBMIT DULY FILLED VENDOR REGISTRATION FORM AVAILABLE ON OUR WEB SITE www.bhel.com WITH BID. UNREGISTERED VENDORS SHALL BE DISQUALIFIED				
(CBOM- Combined Bill of Materials)			Documents enclosed		For and Behalf of BHEL		
			Drawing				
			CBOM				
			Purchase specifications				
			Quality Plan				
J. BHARWANI (Sign. & Seal)							
Prepared Byt	Checked By	Apporved By	Remarks				

CLAUSE NO.	DESCRIPTION FOR BHEL REQUIREMENT					SPECIFIED/TO BE CONFIRMED BY VENDOR	OFFERED	DEVIATIONS	REMARKS																																																																																																																																		
1	Purpose: Sealed tender are invited in two bid system for Manufacturing & supply of the following: I. Front Pedestal (as per drgs CBOM & specifications) II. HP-IP Pedestal (as per drgs CBOM & specifications) III. IP-LP Pedestal (as per drgs CBOM & specifications) IV. LP-Generator pedestals (as per drgs. CBOM and specifications) (4 sets of pedestals (fully assembled ready for installation at site), each set comprises of 1 piece of item I. Front Pedestal , II. HP-IP Pedestal, III. IP-LP Pedestal and IV. LP-Generator pedestals for 270 MW steam turbine)																																																																																																																																										
2	Scope of Supply: I. Front Pedestal (CBOM-Combined Bill of Materials) <table><tr><th>Sr. No.</th><th>Item description</th><th>CBOM</th><th>Drg. No.</th><th>Quantity</th></tr><tr><td>1</td><td>Front Bearing Pedestal</td><td>Attached</td><td>0116015700000 R-00-0</td><td>1</td></tr><tr><td>2</td><td>Oil Piping of Front Pedestal</td><td>Attached</td><td>0116035700000 R-00-0</td><td>1</td></tr><tr><td>3</td><td>Journal Bearing D250x180</td><td>Attached</td><td>0116041800000 R-05-0</td><td>1</td></tr><tr><td>4</td><td>Main Oil Pump Assembly</td><td>Attached</td><td>0116055700000 R-00-0</td><td>1</td></tr><tr><td>5</td><td>Main Oil Pump Casing Assy</td><td>Attached</td><td>0116055720000 R-00-0</td><td>1</td></tr><tr><td>6</td><td>Cover Of HP Front Br</td><td>Attached</td><td>0116531800000 R-04-0</td><td>1</td></tr><tr><td>7</td><td>Arrgmnt. Drg of Front Brg. Ped</td><td>Attached</td><td>0116545700000 R-00-0</td><td>1</td></tr><tr><td>8</td><td>Piping For Hydraulic Motor</td><td>Attached</td><td>0116552400000 R-03-0</td><td>1</td></tr><tr><td>9</td><td>Impeller Assembly</td><td>Attached</td><td>1116055750000 R-01-0</td><td>1</td></tr><tr><td>10</td><td>Oil Guard Ring (F.B. Pedestal)</td><td>Attached</td><td>2116523700000 R-00-0</td><td>1</td></tr></table> II. HP-IP Pedestal (CBOM-Combined Bill of Materials) <table><tr><th>Sr. No.</th><th>Item description</th><th>CBOM</th><th>Drg. No.</th><th>Quantity</th></tr><tr><td>1</td><td>HP-IP Bearing Pedestal</td><td>Attached</td><td>0117015700000 R-01-0</td><td>1</td></tr><tr><td>2</td><td>Jour. & Thrust Bearing D31</td><td>Attached</td><td>0117031800000 R-03-0</td><td>1</td></tr><tr><td>3</td><td>Cover for HP Brg Ped</td><td>Attached</td><td>0117221800000 R-02-0</td><td>1</td></tr><tr><td>4</td><td>Arrg. Of HP/IP Brg Pedestal</td><td>Attached</td><td>0117232400000 R-04-0</td><td>1</td></tr><tr><td>5</td><td>Oil Guard Ring Assembly</td><td>Attached</td><td>2117212400000 R-01-0</td><td>1</td></tr><tr><td>6</td><td>Oil Guard Ring Assembly</td><td>Attached</td><td>2117241800000 R-00-0</td><td>1</td></tr></table> III. IP-LP Pedestal (CBOM-Combined Bill of Materials) <table><tr><th>Sr. No.</th><th>Item description</th><th>CBOM</th><th>Drg. No.</th><th>Quantity</th></tr><tr><td>1</td><td>Bearing Pedestal (IP-LP)</td><td>Attached</td><td>0118011800000 R-08-0</td><td>1</td></tr><tr><td>2</td><td>Cover of Bearing Pedestal</td><td>Attached</td><td>0118021800000 R-03-0</td><td>1</td></tr><tr><td>3</td><td>Journal Bearing D400x400</td><td>Attached</td><td>0118181800000 R-03-0</td><td>1</td></tr><tr><td>4</td><td>Arrngmnt. Drg of Brg. Ped. IP/LP</td><td>Attached</td><td>0118314600000 R-01-0</td><td>1</td></tr><tr><td>5</td><td>Hand Barring Gear</td><td>Attached</td><td>1115052100000 R-04-0</td><td>1</td></tr><tr><td>6</td><td>Oil Guard Ring (F) IP-LP Ped.</td><td>Attached</td><td>1118201800000 R-01-0</td><td>1</td></tr><tr><td>7</td><td>Oil Guard Ring Assy</td><td>Attached</td><td>1118211800000 R-01-0</td><td>1</td></tr></table>					Sr. No.	Item description	CBOM	Drg. No.	Quantity	1	Front Bearing Pedestal	Attached	0116015700000 R-00-0	1	2	Oil Piping of Front Pedestal	Attached	0116035700000 R-00-0	1	3	Journal Bearing D250x180	Attached	0116041800000 R-05-0	1	4	Main Oil Pump Assembly	Attached	0116055700000 R-00-0	1	5	Main Oil Pump Casing Assy	Attached	0116055720000 R-00-0	1	6	Cover Of HP Front Br	Attached	0116531800000 R-04-0	1	7	Arrgmnt. Drg of Front Brg. Ped	Attached	0116545700000 R-00-0	1	8	Piping For Hydraulic Motor	Attached	0116552400000 R-03-0	1	9	Impeller Assembly	Attached	1116055750000 R-01-0	1	10	Oil Guard Ring (F.B. Pedestal)	Attached	2116523700000 R-00-0	1	Sr. No.	Item description	CBOM	Drg. No.	Quantity	1	HP-IP Bearing Pedestal	Attached	0117015700000 R-01-0	1	2	Jour. & Thrust Bearing D31	Attached	0117031800000 R-03-0	1	3	Cover for HP Brg Ped	Attached	0117221800000 R-02-0	1	4	Arrg. Of HP/IP Brg Pedestal	Attached	0117232400000 R-04-0	1	5	Oil Guard Ring Assembly	Attached	2117212400000 R-01-0	1	6	Oil Guard Ring Assembly	Attached	2117241800000 R-00-0	1	Sr. No.	Item description	CBOM	Drg. No.	Quantity	1	Bearing Pedestal (IP-LP)	Attached	0118011800000 R-08-0	1	2	Cover of Bearing Pedestal	Attached	0118021800000 R-03-0	1	3	Journal Bearing D400x400	Attached	0118181800000 R-03-0	1	4	Arrngmnt. Drg of Brg. Ped. IP/LP	Attached	0118314600000 R-01-0	1	5	Hand Barring Gear	Attached	1115052100000 R-04-0	1	6	Oil Guard Ring (F) IP-LP Ped.	Attached	1118201800000 R-01-0	1	7	Oil Guard Ring Assy	Attached	1118211800000 R-01-0	1				
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IV.LP-Generator pedestals (CBOM-Combined Bill of Materials)				
Sr. No.	Item description	CBOM	Drg. No.	Quantity
1	LP Generator Bearing Pedestal	Attached	0118031800000 R	1
2	LP Rear Pedestal Cover	Attached	0118041800000 R	1
3	Journal Bearing 450x425	Attached	0118141800000 R	1
4	Arrg. Drg. Of Brg Ped LP Gen.	Attached	0118334600000 R	1
5	Oil Guard Ring Assy	Attached	1118211800000 R	1
6	Oil Guard Ring Assy	Attached	1118271800000 R	1
7	Ring	Attached	4124040201600 R	1
2.4	The scope of supply will be complete fabrication of items, stress relieving, machining and assembly as per drgs. With strictly fulfilling the technical requirements and conditions mentioned on the assembly/ each part drawings and materials specifications.			
2.5	All the materials, components, etc required for manufacturing will be under vendor's scope. Procurement of materials, components, etc. is to be done from Siemens approved vendors or BHEL approved vendors. Sources to be got approved by BHEL.			
2.6	The detailed quality plan shall be submitted by BHEL ENRP Mumbai. The quality plan is having stage wise inspection from the time of NDT as per the requirements. The party has to agree to it and return it along with tender documents. Items are to be manufactured as per the approved quality plan. Pre dispatch inspection at parties' works will be carried out as per approved quality plan by BHEL representative / M/S Lloyds. Lloyds inspection charges if any must be quoted separately in percentage.			
2.7	Vendor has to submit manufacturing plan after the award of the contract and get it approved by BHEL			
2.8	For fabrication of pedestal vendor has to prepare WPS (Welding Procedure Specification), PQR(Procedure Qualification Report) and get it approved by Lloyd Register/BHEL after the award of contract.			
2.9	Instrument used for inspection of dimensional measurement of critical items shall be accredited (ISO 17025) calibration agency, covering minimum and maximum points all parameters shall be supplied along with system			
2.10	Technical Terms & Conditions:			
3	Manufacturing & supply of the following:			
3.1	The NDT of the raw materials wherever required as per drawings and materials specifications is to be carried out as per relevant standards and certificate submitted			
3.2	Dimensions tolerances and surface finish of the items should be as per drgs and specifications			
3.3	Hydraulic testing of the equipments and oil jacking pipe lines and all other tests is to be carried out as per drgs. w.r.t. operating pressure, test pressure and testing time.			
3.4	Materials for Fasteners and materials are to be procured from BHEL approved sources/ Siemens approved sources.			
3.5	Bearings (Journal Bearing D250x180-0116041800000 R-05-0, Journal Bearing D400x400-0118181800000 R-03-0, Jour. & Thrust Bearing D31-0117031800000 R-03-0 and Journal Bearing 450x425-0118141800000) is to be procured only from BHEL approved sources/Siemens approved sources.			
3.6	White metal of bearing should be as per BHEL standard HW 12897/ equivalent Siemens standard. (standard provided)			
3.7				

3.8	White metal linings in bearing is to be carried out as BHEL standard HW 0980802/ equivalent Siemens standard.(standard provided)								
3.9	To check the proper bonding of white metal. UST and DP test is to be carried out as per BHEL standard HW 0850195/ equivalent Siemens standard.(standard provided)								
3.10	Items to be supplied in properly identified, preserved and weather proof packed condition in wooden box to avoid any type of rusting and damage during transit. Bearing is to be conserved as per standard ST 33004/ equivalent Siemens standard.(standard provided)								
3.11	Test certificates required for the following :- 1.0 raw materials properties as per respective specifications. 2.0 All NDT certificated as per respective specifications. 3.0 NDT performed on welding seams. 4.0 NDT performed on bearing for checking the proper bonding 5.0 Hydraulic test performed for jacking line 6.0 Co-relation for material procurement (Ref. Sl. No.) from BHEL/Siemens approved sources.								
3.12	Acceptance Norms: As per drg., specifications bill of materials & Material TC and QAP at all intermediate stage as per QAP and Technical requirements. Material TC to be furnished as per specs.								
3.13	Evaluation Criteria: Price evaluation shall be on the basis of total landed cost of one set to BHEL EMRP,								
4	General Requirements: The equipment should be guaranteed in respect of design. Material construction operation and against any manufacturing defects for a period of 24 months from the date of supply or 18 mmonths from the date of commissioning, whichever is later and 4 copies of guarantee certificates are to be furnished free after sales services is to be provided during the guarantee period								
4.1									
4.2	Rigid Packing for all items of complete equipment, all accessories and other supplied items to avoid any damages/loss in transit								
4.3	The supplier shall provide training to minimum two BHEL executives on detail operation of system at vendors works (in vendors scope).								
4.4	Equipment should meet all points of our above specification and bidders must furnish point to point replies against as the points of out above specification failing which their offer may not be considered								
5	Prequalifying Conditions:								
5.1	Vendor should be BHEL approved; alternatively Siemens's approved/licensee								
5.2	The equipment should be guaranteed in respect of design. Material construction operation and against any manufacturing defects for a period of 24 months from the date of supply or 18 mmonths from the date of commissioning, whichever is later and 4 copies of guarantee certificates are to be furnished free after sales services is to be provided during the guarantee period								
5.3	The unregistered vendor should submit Annual Report(Balance Sheet), profit and loss account, copies of VAT Returns, IT Returns, Service Tax returns of last 3 years								
5.4	10 Nos.of bearing pedestal set of capacity 200MW and above for steam turbines for thermal sets, supplied as assembled spares or assembled with steam turbines in last two years 08-09, 09-10 to BHEL or other parties which are Siemens approved/licensee within India and abroad.								

	5.5	No. of orders booked for supply of bearing pedestal sets/ turbines for the financial year 10-11 within India or abroad with copies of Pos									
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