

**ANNEXURE – II**  
**PRICE BID - PART-A1 (REFERENCE)**  
**COST OF BHEL COMPONENTS**

Mill Type	Item SI No	Item Description	BHEL ref. Drawing No.	BHEL ref Code (if any)	Type of Change	Cost of change (To BHEL)		
						Material Cost	Assembly Cost	Total
1003 XRP	01	Vane Wheel Application	26110000831	NA	NA	137289	0	137289
	02	Liner Assembly	06130000168 (Items 2-15, 31, 34, 37)	NA	NA	212132	0	212132
<b>TOTAL FOR 1003 XRP</b>						<b>349421</b>	<b>0</b>	<b>349421</b>
1043-1063 XRP	01	Vane Wheel Application	16110401838	NA	NA	153210	0	153210
	02	Liner Assembly	06130400886 (Items 10-75, 150-160)	NA	NA	224709	0	224709
<b>TOTAL FOR 1043/ 1063 XRP</b>						<b>377919</b>	<b>0</b>	<b>377919</b>
1103 XRP	01	Vane Wheel Application	16110401838	NA	NA	153210	0	153210
	02	Liner Assembly	06130400886 (Items 10-75, 150-160)	NA	NA	224709	0	224709
<b>TOTAL FOR 1103 XRP</b>						<b>377919</b>	<b>0</b>	<b>377919</b>
1103 HP	01	Nil		NA	BHEL Scope	0	0	0
	02	Nil		NA	BHEL Scope	0	0	0
<b>TOTAL FOR 1103 HP</b>						<b>0</b>	<b>0</b>	<b>0</b>
1203 HP	01	Nil		NA	BHEL Scope	0	0	0
	02	Nil		NA	BHEL Scope	0	0	0
<b>TOTAL FOR 1203 HP</b>						<b>0</b>	<b>0</b>	<b>0</b>

**ANNEXURE – II**  
**PRICE BID - PART-A2**  
**COST OF MODIFICATIONS**

Mill Type	Item SI No	Item Description	Supplier ref. Drawing No.	Supplier ref Code (if any)	Type of Change	Cost of change (To BHEL)		
						Material Cost	Assembly Cost	Total
1003 XRP	01							
	02							
	03							
	04							
<b>TOTAL FOR 1003 XRP</b>								
1043-1063 XRP	01							
	02							
	03							
	04							
<b>TOTAL FOR 1043/ 1063 XRP</b>								
1103 XRP	01							
	02							
	03							
	04							
<b>TOTAL FOR 1103 XRP</b>								
1103 HP	01							
	02							
	03							
	04							
<b>TOTAL FOR 1103 HP</b>								
1203 HP	01							
	02							
	03							
	04							
<b>TOTAL FOR 1203 HP</b>								

## **GUIDELINES FOR ANNEXURE-II**

- II(1). Only the list of the BHEL's components that are to be modified (***BHEL Design*** components replaced with ***Supplier Designed*** components), and the modifications are acceptable to BHEL, will be circulated to all the bidders along with the ***BHEL Estimated Price*** of each individual component.
- II(2). Each of these components should be entered separately in a separate row of the above table. In case all the components are not accommodate-able, the number of rows could be increased keeping materials of a particular **Type of Mill** together.
- II(3). Each **ROW** would designate a single replaceable item and should include the connecting fasteners also.
- II(4). Normal fastening and welding will not be reflected in the "Assembly Cost" however in case special procedures (eg hard facing or lining) is necessary, the material for the same (including special electrodes) will be under bidder's scope.
- II(5). In case the bidder wishes to change/ modify/ add a component then,
- a. If the bidder wishes to replace a component of BHEL with this particular component (of bidder's design) then
    - Item description = Description (or the name of the bidder's component eg ***Reverse Cone***)
    - Supplier Drg No = Internal Drawing No of the bidder
    - Supplier ref Code = any unique reference code that the bidder uses as a designation of the component
    - Type of change = **Replacement of.....(BHEL Component name)** eg ***Replacement of Inverted Cone***
    - Material Cost = Price of their (bidder's) component.
    - Assembly Cost = the **additional** cost of fixing if any (refer clause II (4) above)
  - b. If the bidder wishes to add a component of his design without taking out any component of BHEL design, for this component
    - Item description = Description (or the name of the supplier's component eg ***Reverse Cone***)
    - Supplier Drg No = Internal Drawing No of the bidder
    - Supplier ref Code = any unique reference code that the bidder uses as a designation of the component
    - Type of change = **Addition**
    - Material Cost = Cost of their (bidder's) component.
    - Assembly Cost = the **additional** cost of fixing.
  - c. If the bidder doesn't want to change the particular component of BHEL design nor wishes to supply it, for this component
    - Item description = Description (or the name of the component) as provided by BHEL as per II (1) above.
    - Supplier Drg No = Drawing No as provided by BHEL as per II (1) above.
    - Supplier ref Code = material Code, as provided by BHEL as per II (1) above.
    - the type of change = **BHEL Scope**
    - Material Cost = Cost as given by BHEL as per II (1) above
    - Assembly Cost = 0.0 (Zero)

**In this case, the deliverable package will not include the said component and will be under the scope of supply of BHEL.**
  - d. If the bidder doesn't want to change the particular component of BHEL design but wishes to supply it, for this component
    - Item description = Description (or the name of the component) as provided by BHEL as per II (1) above.

- Supplier Drg No = Drawing No as provided by BHEL as per II (1) above.
- Supplier ref Code = material Code, as provided by BHEL as per II (1) above.
- the type of change = **BHEL Drg Our Scope**
- Material Cost = Bidder's cost estimate
- Assembly Cost = 0.0 (Zero)

**In this case, the deliverable package will include the said component. The relevant drawings will be provided to the supplier in line with the BHEL practices.**

- II(6). Each of the components that has been covered under the above clause II (1) would form a separate row in the above table. Each of these items would be treated in line with either of II(5)a, II(5)b, II(5)c or II(5)d. If the bidder replaces only a part of the list of the components, then for the cases it wishes to continue with the BHEL design, the particular components would be treated in line with II(5)c or II(5)d.

**ANNEXURE – II**  
**PRICE BID - PART-A3**  
**ADDITIONAL COST OF MODIFICATIONS**

SL NO	Mill Type	Cost of BHEL components (Annexure II-A1) CB	Additional cost: Supplier components and assembly (Annexure II-A2) CS	Modified Additional Component Cost Per Mill Qty (MOD) = CS-CB
1	1003 XRP	349421.00		
2	1043-1063 XRP	377919.00		
3	1103 XRP	377919.00		
4	1103 HP	0	0	0
5	1203 HP	0	0	0

**REMARKS**

1. In case the supplier wishes to supply components of his design, the cost (CS) must be filled up from Annexure II Part A2 total summed up **(Cost of change to BHEL)** for the particular mill type.
2. In case Supplier wishes to use BHEL Drawing but supply the components defined above, ie **BHEL Drg Our Scope** category, the estimate of the supplier must be filled up above, as in the supplier designed component costs in Annexure II part A2.
3. If Supplier doesn't wish to involve in the supply of the said components, (**BHEL Scope**) category, the **(MOD)** values will be 0 (Zero) in last column of the table (Annexure-II part A3)
4. Use this **(MOD)** value in Annexure II Part C calculation.
5. There was no BHEL acceptable offer for the 1103HP and 1203 HP hence the values were kept as zero.
6. Only the list of the BHEL's components that are to be modified (*BHEL Design* components replaced with *Supplier Designed* components), and the modifications that are acceptable to BHEL, identified after the preliminary discussions with different suppliers are brought out above.
7. All the other components, not displayed above will be as per BHEL design and will not form a part of this tender.
8. The two items (Vane Wheel Applications and Liner Assembly) will form a set and to be offered as such. i.e., the bidder should not make an offer of only one of the above two items. It must be both or none.
9. However the bidder is free to make an offer, should he wish, for some of the types, not for others (eg bidder may give a counter offer for XRP 1043 only, foregoing other types 1003XRP, 1103HP and 1203HP).
10. As mentioned in the NIT, the Assembly cost is the additional cost to be incurred by BHEL over and above the fitting/ assembly shown in the BHEL drawing. However, in case the supplier wishes to absorb this cost by deputing his manpower, it too would be treated as zero. However, the assembly activities that the supplier would keep in his scope must be defined in the technical bid.
11. Rows may be added as necessary in the annexures in case the two items are replaced by more than two items of supplier design.
12. Refer the NIT main documents for all other clauses and guide-lines for filling up.