

Example

There are 3 bidders, X, Y and Z for the tender who are qualified to bid.

During study of the existing BHEL Product,

Bidder X requests the following modifications

Replace BHEL component BM1 with his component XM1, BM2 with XM2

Add a component XA1

Bidder Y requests the following modifications

Replace BHEL component BM1 with his component YM1, BM3 with YM2, BM4 with YM3

Add a component YA1

Bidder Z informs that it doesn't envisage any modification.

Once the discussions are frozen and the **proposed changes accepted by BHEL**, BHEL informs the **Details and Estimated Price** of the components BM1, BM2, BM3 and BM4 to all the bidders.

SLNO	Component	BHEL Drg No	BHEL Mat Code	Price Estimate
Mill Type : 1003 XRP				
1	BM1	161100....	BA975...	
2	BM2	261100....	BA975...	
3	BM3	161300....	BA975...	
4	BM4	361200....	BA975...	
Mill Type : 1043 XRP				
1	BM1			
2	BM2			
3	BM3			
4	BM4			
Mill Type : ### XRP				
	BM1	1611...	BA975...	25,000
	BM2	3612...	BA975...	1,15,000
	BM3	0611...	BA975...	1,50,000
	BM4	2613...	BA975...	4,00,000

On receipt of this information, the bidders must study the relevant details and then submit their bid.

ANNEXURE – I
Estimated Annual Requirement

SL No	Type of Roll	Mill Type	No of Sets main (TM)	No Sets Spares (TS)	No of Sets main as Fraction of Total TM / (T1+T2)	No of Sets Spares as Fraction of Total TS / (T1+T2)
1	Grinding rolls + B R Segments 50"	1003 XRP	8	67 (mandatory) + 54	0.0260	0.3929
2	Grinding rolls + B R Segments 62"	1043-1103 XRP	88	58 (mandatory)	0.2857	0.1883
3	Grinding rolls + B R Segments 62"	HP 1103	15		0.0487	0.0000
4	Grinding rolls + B R Segments 72"	HP 1203	10		0.0325	0.0000
5	Grinding rolls + B R Segments 62" (Higher Thickness- Small Bore)	HP 1103	8		0.0260	0.0000
Total			T1= 129	T2= 179	0.4188	0.5812

NOTE:

1. The Number of sets mentioned above is tentative and it may vary from the actual requirements.
2. $T1 = \Sigma (TM)$ and $T2 = \Sigma (TS)$

ANNEXURE – II
PRICE BID - PART-A

Bidder - X

Mill Type	Item Sl 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
### XRP	01	XM1	\$\$\$\$	AB123	Replacement of BM1	80,000	10,000	90,000
	02	XM2	\$\$\$\$	AB456	Replacement of BM2	2,25,000	0	2,25,000
	03	XA1	\$\$\$\$	AB789	Addition	35,000	5,000	40,000
	04	BM3	0611...	BA975...	BHEL Component Our scope	72,000	0.0	72,000
	05	BM4	2611...	BA975...	BHEL Scope	4,00,000	0.0	4,00,000
TOTAL FOR ### XRP								8,27,000

Bidder - Y

Mill Type	Item Sl 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
### XRP	01	YM1	\$\$\$\$	YB123	Replacement of BM1	50,000	20,000	70,000
	02	YM2	\$\$\$\$	YB456	Replacement of BM3	80,000	0	80,000
	03	YM3	\$\$\$\$	YB789	Replacement of BM4	6,25,000	0	6,25,000
	04	YA1	0611...	YB135	Addition	1,00,000	9,000	1,09,000
	05	BM2	3611...	BA975...	BHEL Scope	1,15,000	0	1,15,000
TOTAL FOR ### XRP								9,99,000

Bidder - Z

Mill Type	Item Sl 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
### XRP	01	BM1	1611...	BA975...	BHEL Scope	25,000	0	25,000
	02	BM2	3611...	BA975...	BHEL Component Our scope	60,000	0	60,000
	03	BM3	0611...	BA975...	BHEL Scope	1,50,000	0	1,50,000
	04	BM4	2611...	BA975...	BHEL Scope	4,00,000	0	4,00,000
TOTAL FOR ### XRP								6,35,000

ANNEXURE – II
PRICE BID - PART-B
STANDARD GRINDING ELEMENTS

Bidder - X

Var No.	Mill Type	Item Description	Drawing No.	Matl. Code	Price
01.	1003 XRP	Grinding rolls 50"	16100090057	BA9735014017	
02.	1003 XRP	Bull ring segment set	26110090116	BA9735014033	
N	### XRP	Grinding rolls	161	BA9735014@ @ @	3,50,000
N	### XRP	Bull ring segment set	161	BA9735014@ @ @	4,25,000

Bidder - Y

Var No.	Mill Type	Item Description	Drawing No.	Matl. Code	Price
01.	1003 XRP	Grinding rolls 50"	16100090057	BA9735014017	
02.	1003 XRP	Bull ring segment set	26110090116	BA9735014033	
N	### XRP	Grinding rolls	161	BA9735014@ @ @	3,00,000
N	### XRP	Bull ring segment set	161	BA9735014@ @ @	4,00,000

Bidder - Z

Var No.	Mill Type	Item Description	Drawing No.	Matl. Code	Price
01.	1003 XRP	Grinding rolls 50"	16100090057	BA9735014017	
02.	1003 XRP	Bull ring segment set	26110090116	BA9735014033	
N	### XRP	Grinding rolls	161	BA9735014@ @ @	3,25,000
N	### XRP	Bull ring segment set	161	BA9735014@ @ @	4,50,000

ANNEXURE – II
PRICE BID PART- C
CONSOLIDATED PRICES

Bidder - X

SL No	Material Code	Type of Roll	Cost of Grinding Roll Per piece (GR)	Cost of bull Ring Segment per set (BR)	Cost of Main Wear Elements GB = 3 x (GR)+(BR)	Modified Additional Component Cost ⁽¹⁾ Per Mill Qty (MOD) from II(part A)	Total Cost to BHEL PC = 3 x (GR)+(BR)+(MOD)
1							
2							
N		Grinding rolls + B R Segments	3,50,000	4,25,000	14,75,000	8,27,000	23,02,000

Bidder - Y

SL No	Material Code	Type of Roll	Cost of Grinding Roll Per piece (GR)	Cost of bull Ring Segment per set (BR)	Cost of Main Wear Elements GB = 3 x (GR)+(BR)	Modified Additional Component Cost ⁽¹⁾ Per Mill Qty (MOD) from II(part A)	Total Cost to BHEL PC = 3 x (GR)+(BR)+(MOD)
1							
2							
N		Grinding rolls + B R Segments	3,00,000	4,00,000	13,00,000	9,99,000	22,99,000

Bidder - Z

SL No	Material Code	Type of Roll	Cost of Grinding Roll Per piece (GR)	Cost of bull Ring Segment per set (BR)	Cost of Main Wear Elements GB = 3 x (GR)+(BR)	Modified Additional Component Cost ⁽¹⁾ Per Mill Qty (MOD) from II(part A)	Total Cost to BHEL PC = 3 x (GR)+(BR)+(MOD)
1							
2							
N		Grinding rolls + B R Segments	3,25,000	4,50,000	14,25,000	6,35,000	20,60,000

ANNEXURE – III
PRICE CALCULATIONS FORMAT

Sample for ‘X’

Sl No		Type of Purchase	Weightage Factor (A)	Total Cost to BHEL (Total package) (PC) from Annex II part (C)	Total Cost to BHEL (Main Wear Elements only) (GB) from Annex II part (C)	Weighted Price of Modifications (W) = (A) x (GB) or (W) = (A) x (PC)
1						
2						
	Grinding rolls + B R Segments type '###'	Main	0.0815	23,02,000		1,87,613
		Spares	0.0596		14,75,000	87,910