


ESP-001-2A Rev.00		PROJECT ENGINEERING & SYSTEMS DIVISION <u>PRICE BID FORMAT</u>	Doc. No: PY 54037 Annexure-2	
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SL. NO.	DESCRIPTION	QTY.	TOTAL PRICE (Rs.)	
1.0	PRE-BID ENGINEERING			
1.1	PRE-BID ENGINEERING: SUPPLY OF TECHNICAL INFORMATION / BASIC ENGG. AS PER TCC: PY 54037 FOR ENABLING BHEL TO CARRY OUT PROPOSAL ENGINEERING OF SRU PACKAGE	1 SET	1.2% of the Total Quoted Price (A)	
2.0	POST ORDER LICENSE, ENGINEERING AND SUPPLY			
2.1.	LICENSE FOR SRU PACKAGE	1 SET	4.1% of the Total Quoted Price (A)	
2.2.	POST-ORDER BASIC DESIGN ENGINEERING & REVIEW	1 SET	89.8% of the Total Quoted Price (A)	
2.3.	CATALYST FOR 5 YEARS OPERATION (ALONG WITH 10% EXTRA AS SPARES) *BIDDER TO INDICATE QUANTITY FOR SUPPLY AND SPARES	1 SET*	4.3% of the Total Quoted Price (A)	
3.0	TRAINING OF OWNERS PERSONNEL / SUPERVISION (min. 20 man-days)	Qty.	Unit Rate	Total
a)	Per Diem rates per Trainer/ Service Engineer	20 days	0.4% of the Total Quoted Price (A) divided by 20	0.4% of the Total Quoted Price (A)
b)	Travel expenses from vendor works to project site and back for Service Engineer / Trainer	2 visits	0.2% of the Total Quoted Price (A) divided by 20	0.2% of the Total Quoted Price (A)
	TOTAL (1.0 + 2.0 + 3.0) (A)	[BIDDER TO QUOTE]		

LOADING TOWARD WORKS COST (OPEX) depending on guaranteed consumption figures:						
SL. NO.	ITEM CATEGORY	DESCRIPTION	UNIT	Quantity per Day (Q)	UNIT PRICE in INR (R)	TOTAL PRICE in INR (Q x R)
4.0	BIDDER SHALL FURNISH THE FOLLOWING GUARANTEED CONSUMPTION FIGURES AS PER SEC 8 PART II OF CUSTOMER SPECIFICATION DOC PC009/E/001, AS APPLICABLE					
4.1.	CLEAN SYNGAS INPUT		Nm ³	**Q1	2.53	
4.2.	MP NITROGEN		Nm ³	**Q2	3.75	

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4.3.	UTILITY NITROGEN	Nm ³	**Q3	3.75	
4.4.	De-mineralized water,	m ³	**Q4	53.69	
4.5.	Condensate export	m ³	**Q5	(-)47.41	
4.6.	Methanol (consumption & make-up)	m ³	**Q6	28	
4.7.	Steam Import, MT				
a)	HP (515°C & 107 Kg/cm ² g)	MT	**Q71	800	
b)	MP (380°C & 40 Kg/cm ² g)	MT	**Q72	744	
c)	LP (180°C & 4 Kg/cm ² g)	MT	**Q73	622	
4.8.	Steam Export, MT				
	HP (515°C & 107 Kg/cm ² g)	MT	**Q81	(-)800	
	MP (380°C & 40 Kg/cm ² g)	MT	**Q82	(-)744	
	LP (180°C & 4 Kg/cm ² g)	MT	**Q83	(-)622	
4.9.	Make-up Water for Cooling Towers Purification Plant	m ³	**Q9	35.75	
4.10.	Power	KWh	**Q10	4	
4.11.	Instrument air	Nm ³	**Q11	6	
4.12.	BFW	m ³	**Q12	429	
5.0	Guaranteed Work Cost per day : [TOTAL for Sl. No. 4.0 (4.1+4.2+4.3+4.4.....+4.12)]				(B)
6.0	Production figures (per day) = (B) x 330 days x 25 years				(C)
	TOTAL Price for L1 Evaluation = (A) + (C)				
	** Bidder to indicate along with offer.				
	Note for Utilities: <ol style="list-style-type: none"> 1) The costs indicated for Utilities may change at a later date by end customer. Revision, if any will be intimated before Price bid opening and the same shall be intimated to SRU licensors for evaluation of the bids. 2) SRU Licensor may maximize the use of generated steam inside their B.L. However, available surplus steam may be exported outside B.L. if it matches with the main steam header parameters indicated in Section-2.0 of Part-II Technical Specification of LSTK project. Work cost to be calculated for Net steam based on differential steam import and export. 3) The inputs gas quality at the input of SRU unit for design & sizing of SRU shall be provided by BHEL 10 days before the Bid submission due date. Bidder shall calculate the quantities of Utilities, Catalysts, etc. accordingly. 				

NOTES:

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1. * Bidder shall indicate the quantities of Catalyst. Required inputs shall be provided by BHEL at least 10 days before opening of "Techno-commercial Bid". The unit of quantities indicated as "1 Set" shall be changed to the Unit of Catalyst quantities which shall be provided by the bidder along with quantities. The total price of the item no. 2.3 calculated as per weightage provided there on shall be later split into the rate as per bidder's unit and supply of catalyst shall be paid on actual supply of quantities.
2. Bidder to note that this is a LUMP SUM Turn-Key Order. Any additional claim after placement of order will not be entertained under any circumstances.
3. The Lumpsum price quoted, shall be exclusive of GST but inclusive of all other taxes, including any cess or surcharge or levy/tax by whatever name called, imposed under GST law or any other law at any time, for which input credit is not available to BHEL under any interpretation of the law.
4. GST at the applicable rates shall be payable extra. However, the same shall not be paid if the input credit thereof is not available to BHEL due to any reason attributable to Licensor.
5. Separate Purchase Orders/ LOI shall be placed by BHEL on the LICENSOR, one for **Pre-Bid Engineering (Sl. No. 1)** (immediately after finalization of Licensor) and another for **Post Order Engineering, Supply and Supervision services (Sl. No. 2 & 3)** after winning the contract from BCGCL. Work Order for Post-Order Basic Engineering will be placed only in case of BHEL winning the Contract from End Customer BCGCL. Licensor shall not have any claim whatsoever on the Post-Order Engineering component, if BHEL is not successful in winning the Contract.
6. The Lump-sum price quoted, shall be inclusive of all costs that are envisaged to be incurred by the bidder in connection with the activities that are to be carried out to deliver the Pre-Tender Process Engineering and Post Order Basic Engineering as per NIT including necessary travel charges, Posting at site etc.
7. Bidder to quote strictly in the price bid format with line wise itemized price and quantity, failing which the bidder's offer shall be liable for rejection. **Bidder shall also submit unpriced copy of the Price-Bid Format with "Quoted" against each line item of the format along with the technical offer.**
8. The cost of Pre-bid engineering (Sl. No. 1) should be restricted to 1% of Total License and engineering services and supplies i.e. Pre-bid and Post-bid engineering (Sl. No. 1+ Sl. No. 2 + Sl. No. 3).
9. Payment of Catalyst shall be made on the actual quantities of supply.
10. The number of visits and no. of days, listed above, for Supervision / Training is based on our estimate and for the bid evaluation purpose. However, No. of visit or mandays shall be as per actual requirement and payment shall be made accordingly.
11. **BID EVALUATION CRITERIA:**

The total price quoted by Bidder shall be sum of the following prices:

- a) **NPV of TOTAL PRICE FOR Supply of License plus Pre-bid and Post-bid Engineering Charges** quoted by Bidder inclusive of all taxes & duties:

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TOTAL SUPPLY PRICE shall mean the total price inclusive of all taxes and duties as quoted by the bidder in the Price Bid/Schedule. It will be discounted at the rate of 10.0% p.a., as per the Monthly Payment Schedule submitted by the Bidder for the implementation period using NPV formula.

b) Loading towards Works - NPV of Works (OPEX) Cost based on the guaranteed Consumption of Raw Materials and Utilities:

Bidder shall furnish the Guaranteed Consumption Figures of Raw Materials and utilities as specified in Schedule of Price.

The differential Works Cost at rated capacity (in comparison to bidder quoting the lowest Works Cost) considering 330 days per year will be calculated and will be discounted at the discount rate of 10.0% p.a. for the period of 25 years of operation starting from PRELIMINARY ACCEPTANCE.

The NPV of differential works cost so obtained on achieving PRELIMINARY ACCEPTANCE (42 months) shall be further discounted at the rate of 10.0% p.a to arrive at present value i.e. month zero.

Signature of Bidder's Authorized representative

Date.....