

ESP-001-2A Rev.00		PROJECT ENGINEERING & SYSTEMS DIVISION <u>PRICE BID FORMAT</u>	Doc. No: Annexure- 2	
			Rev. No.	00
			Page 1 of 4	

SL. NO.	ITEM CATEGORY	DESCRIPTION	QTY.	UNIT PRICE (Rs.)	TOTAL PRICE (Rs.)	Weightage
1.0	PRE-TENDER & BASIC ENGINEERING AS PER Doc. No. PY54025 (Note-11)					
1.1	CO SHIFT		1 SET			0.39
1.2	RECTISOL		1 SET			
1.3	LIQUID NITROGEN WASH		1 SET			
1.4	ANY OTHER SYSTEM OF SYNGAS PURIFICATION UNIT		1 SET			
2.0	SUPPLY OF PROCESS LICENSE (S) & TRANSFER OF TECHNICAL INFORMATION FOR					
2.1.	CO SHIFT		1 SET			4.0
2.2.	RECTISOL		1 SET			
2.3.	LIQUID NITROGEN WASH		1 SET			
2.4.	ANY OTHER SYSTEM OF SYNGAS PURIFICATION UNIT		1 SET			
3.0	POST-ORDER DETAILED ENGINEERING FOR MAIN PROCESS PACKAGE		1 SET			23.99
4.0	POST-ORDER DETAILED ENGINEERING FOR SRU PACKAGE		1 SET			6.40
5.0	PROPRIETARY EQUIPMENT IN LSTK-2 PACKAGE.					
5.1	SUPPLY OF PROPRIETARY EQUIPMENT (List to be provided along with bid)		1 SET			55.98
5.2	SPARES OF PROPRIETARY EQUIPMENT FOR PRE-COMMISSIONING, COMMISSIONING AND 05 YEARS Operation & Maintenance [List of spares with unit rate and quantity to be furnished]		1 SET			
5.3	SPECIAL TOOLS & TACKLES FOR SUPPLIED ITEMS (List to be provided along with bid)		1 SET			
5.4	CONSUMABLES, LUBRICANTS, AND CHEMICALS (IF ANY) REQUIRED FOR 100% PRE-COMMISSIONING, COMMISSIONING, PG TEST OF THE SUPPLIED ITEMS (List to be provided along with bid)		1 SET			
6.0	TRAINING OF OWNERS PERSONNEL AS PER Doc. No. PY54025		1 SET			0.80
7.0	SUPERVISION OF E&C ACTIVITY and DURING PG TEST FOR LESC BIDDER SCOPE					
8.1	Per Diem rates per Service Engineer including Boarding, Lodging & Local Travel		10 Days			0.12
8.2	Travel expenses from vendor works to project site and back for Service Engineer		3 Visits			0.12
8.0	ANNUAL MAINTENANCE CONTRACT OF PROPRIETARY EQUIPMENT IN LSTK-2 PACKAGE FOR 4 YEARS (Note-9) AFTER WARRANTY PERIOD					
8.1	AMC for 2 nd Year		1 SET			1.60
8.2	AMC for 3 rd Year		1 SET			2.00
8.3	AMC for 4 th Year		1 SET			2.20
8.4	AMC for 5 th Year		1 SET			2.40

ESP-001-2A Rev.00		PROJECT ENGINEERING & SYSTEMS DIVISION <u>PRICE BID FORMAT</u>	Doc. No: Annexure- 2	
			Rev. No.	00
			Page 2 of 4	

	TOTAL (1.0 + 2.0 + 3.0 + 4.0 + 5.0 + 6.0 + 7.0 + 8.0)			(A)	
--	--	--	--	------------	--

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)
9.0	BIDDER SHALL FURNISH THE FOLLOWING GUARANTEED CONSUMPTION FIGURES AS PER SEC 8 PART II OF CUSTOMER SPECIFICATION DOC PC009/E/001					
9.1	CLEAN SYNGAS INPUT		Nm ³	**Q1	2.53	
9.2	MP NITROGEN		Nm ³	**Q2	3.75	
9.3	UTILITY NITROGEN		Nm ³	**Q3	3.75	
9.4	De-mineralised water,		m ³	**Q4	53.69	
9.5	Condensate export		m ³	**Q5	(-)47.41	
9.6	Methanol (consumption & make-up)		m ³	**Q6	28	
9.7	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	
9.8	Steam Export, MT					
a)	HP (515°C & 107 Kg/cm ² g)		MT	**Q81	(-)800	
b)	MP (380°C & 40 Kg/cm ² g)		MT	**Q82	(-)744	
c)	LP (180°C & 4 Kg/cm ² g)		MT	**Q83	(-)622	
9.9	Make-up Water for Cooling Towers Purification Plant		m ³	**Q9	35.75	
9.10	Power		KWh	**Q10	4	
9.11	Instrument air		Nm ³	**Q11	6	
9.12	BFW		m ³	**Q12	429	
10.0	Guaranteed Work Cost per day : [TOTAL for Sl. No. 9.0 (9.1+9.2+9.3+9.4.....+9.12)]					(B)
11.0	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: The costs indicated for Utilities may change at a later date by end customer. Revision, if any will be intimated to bidder before 01 working day of price bid opening.					

ESP-001-2A Rev.00		PROJECT ENGINEERING & SYSTEMS DIVISION <u>PRICE BID FORMAT</u>	Doc. No: Annexure- 2	
			Rev. No.	00
			Page 3 of 4	

NOTES: -

- 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.
- Bidder to quote the base rates only. All Applicable taxes and duties shall be indicated separately for the Supply Portion, Erection & Commissioning and O&M Portion.
- Separate Purchase Orders/ LOI shall be placed by BHEL on the LESC, one for **Pre-Bid Engineering (Sl. No. 1)** (immediately after finalization of LESC) and another after winning the contract from BCGCL. Pre-bid tie-up shall be done for Post order engineering, supply of equipment and AMC (**for Sl No. 2 to 8**). Work Order for Post-Order Engineering and equipment will be placed only in case of BHEL winning the Contract from End Customer BCGCL. LESC shall not have any claim whatsoever on the Post-Order Engineering component, if BHEL is not successful in winning the Contract.
- The Lumpsum 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 Detailed Engineering as per NIT including necessary travel charges, Posting at site etc.
- 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.
- 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 LESC.
- 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.**
- 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 to quote for the Annual maintenance cost of supplied proprietary equipment for which AMC will start for 4 years after the defect liability period is over. Bidder to visit mandatorily and attend to site and take corrective action during emergency break-up of supplied equipment. Any necessary tools, tackles, spares required for correcting the equipment shall be in Bidder’s scope of AMC.
- The number of visits and no. of days, listed above, for supervision of erection and commissioning is based on our estimate. However, payment shall be made on actual basis based on the per diem rates.
- BID EVALUATION CRITERIA:**

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

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

ESP-001-2A Rev.00		PROJECT ENGINEERING & SYSTEMS DIVISION <u>PRICE BID FORMAT</u>	Doc. No: Annexure- 2	
			Rev. No.	00
			Page 4 of 4	

- 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.....