

BHEL UN-PRICE BID/PRICE BID FORMAT FOR SUPPLY PORTION.

Enquiry No: 275E210, dtd 17.10.2015
Project: GSECL WANAKBORI 800MW
item: 400KV GIS

S.N	PI-ITEM	Unit	Qty	Currency	Unit Ex-works/ FOB	Total Ex-works/ FOB	Unit marine freight & Insurance	Total Marine Freight & Insurance	Custom clearance charges	Service tax on custom clearance charges	Unit Inland F & I Charges	Total Inland F & I Charges	Excise Duty (ED)	Central Sales Tax (CST/ VAT)	Total Cost to BHEL for indian supplier for each line item	Total CIF value + Inland freight and insuranc(if opted by foreign bidder) for each line item		
Instruction to bidder----->							1. Applicable only for foreign bidder. 2. Quoted prices of marine freight & insurance is inclusive of all taxes & duties				Quoted prices of inland freight & insurance is inclusive of all taxes & duties		Bidder to indicate percentage and value for each line item	Bidder to indicate percentage and value for each line item	Bidder to indicate prices in price bid of BHEL's Format & mention QUOTED / NOT QUOTED OR NOT APPLICABLE of each & every cell			
Applicable formula to bidder----->		(0)			(1)	(2) = (1) X (0)	(3)	(4) = (3) X (0)	(5)	(6)	(7)	(8) = (7) X (0)	(9) = (...%) of (2)	(10) [Value]	(11) =... % of [(9) + (2)]	(12) [value]	(13) = [(2)+(3) + (10)*(12)] [EX-WORKS+ INLAND F & I + ED + CST]	[(14)=(2)+(4) + (5)+(6)+(8)] [CIF+ CUTM. CLRN CHR+ INLAND F & I]
A	Supply Item - 400kV GIS as per enclosed SLD with Double Bus Bar scheme comprising of 1 GT Incomer, 1 ST Incomer,2 Outgoing line, 2 Outgoing Tie line, Bus Coupler and Bus PT bays. (Items A1-A15)	lot	1															
A1	BusBar Modules	Set	2															
A2	400kV Voltage Transformer module (for Busbars)	Set	2															
A3	400kV SF6 GIS Line bay module	Set	2															
A4	400kV SF6 GIS Tie Line bay module	Set	2															
A5	400kV SF6 Generator Transformer Bay module	Set	1															
A6	400kV SF6 GIS Station Transformer Bay module	Set	1															
A7	400kV SF6 GIS Bus Coupler bay module	Set	1															
A8	Bay Control Cabinet	Nos.	9															
A9	400kV SF6 to Air Bushing	Nos.	18															
A10	400kV GIS duct from GIS GT/Tie Line/ST/Line Bays to SF6 to Air bushing	lot	1															
A11	First filling of SF6 gas plus extra for compensating losses for 10 % of total gas (Bidder to indicate quantity).	Lot	1															
A12	Supply of structure work for Installation of GIS including support structure for GIS ducts, SF6 to air bushings, supports, platforms, ladders, foundation bolts, embedded parts in floors etc., which are required for installation of GIS as per the specification. (The civil works will be done based on supplier design & drawings).	Lot	1															
A13	Supply of Earthing material for GIS including High frequency earthing material. The quantity shall be estimated provided by bidder for above floor earthing connection.	Lot	1															
A14	Consumables (with limited shelf life) required for GIS (Bidder to quote item wise with detailed BOQ for these consumables.)	Lot	1															
A15	Consumables required for GIS (with unlimited shelf life) (Bidder to quote item wise with detailed BOQ for these consumables.)	Lot	1															
B	Supply Item - Mandatory Maintenance equipment (B1 to B2)	lot	1															
B1	SF6 gas processing unit	Nos	1															
B2	Wheeled maintence unit	Nos	1															
C	Supply Items - Mandatory spares (C1 to C14)	Lot	1															
C1	O-ring and Gasket -2 set for each size	set	1															
C2	Absorbent -in Kg (bidder to indicate)	Lot	1															
C3	SF6 Gas - One Cylinder of 20 kg	No.	1															
C4	Single Phase PT	No.	1															
C5	Expansion Vent diaphragms- 5 % of total	Set	1															
C6	Disconnecting Switch motor - One no. of each type	Set	1															
C7	Earthing Switch motor - One no. of each type	Set	1															
C8	Limit Switches - One no. of each type	Set	1															
C9	Bus support Insulator - 5 % of total	Set	1															
C10	Gas density switches - 5 % of total	Set	1															

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Instruction to bidder----->							1. Applicable only for foreign bidder. 2. Quoted prices of marine freight & insurance is inclusive of all taxes & duties				Quoted prices of inland freight & insurance is inclusive of all taxes & duties		Bidder to indicate percentage and value for each line item	Bidder to indicate percentage and value for each line item	Bidder to indicate prices in price bid of BHEL's Format & mention QUOTED / NOT QUOTED OR NOT APPLICABLE of each & every cell	
C11	Circuit Breaker Closing and opening Coil - Two no. of each type	Set	1													
C12	Circuit Breaker contacts - One set of each type	Set	1													
C13	Circuit Breaker Spring charge motor - One set of each type	Set	1													
C14	Lamps, Fuses, MCB, Aux. Relays - 10 % of each type	Set	1													
D	Supply Item - Commissioning spares for testing & commissioning of GIS till handing over	lot	1													
E	Supply Item - Tools & tackle & Testing Equipment (E1 to E12)	Lot	1													
E1	Portable gas leak detector	Nos.	1													
E2	Hygrometer	Nos.	1													
E3	Portable dust counter	Nos.	1													
E4	Special gas mask for GIS maintenance	Nos.	5													
E5	Vacuum meter	Nos.	1													
E6	Digital contact resistance meter	Nos.	1													
E7	Partial discharge measurement set	Set	1													
E8	Mobile platform	Nos.	1													
E9	Power operated insulation tester	Nos.	1													
E10	Tong testers of suitable ranges	Nos.	1													
E11	Contact resistance measuring set for micro ohms	Nos.	1													
E12	Non -returnable tools & tackles	lot	1													
H	Any other item required for completion of project (H1 to H2)	Lot	1													
H1	Supply - Any other item required for completion of project and not covered in A tp E- Complete List to be provided by bidder along with unit prices.	Lot	1													
H2	Services - Any other item required for completion of project and not covered in F&G - Complete List to be provided by bidder along with unit prices-	Lot	4													
I	Supply - Unit Prices of Individual Item/Equipment (I1 to I26)	Lot	1													
I1	400kV, 2000A Circuit breaker (1 pole complete without enclosure without operating mechanism)	No	1													
I2	400kV, 2000A Isolator (1 pole) without operating mechanism	No	1													
I3	400 kV Maintenance Earthing switch without operating mechanism	No	1													
I4	400kV High speed earth switch without operating mechanism	No	1													
I5	400kV Current transformer (1 of each type)	No	1													
I6	Operating Mechanism box for 400kV, 2000 A Circuit Breaker	No	1													
I7	Operating Mechanism box for 400kV, 2000 A Isolator	No	1													
I8	Operating mechanism for 400kV, Maintenance Earthing Switch	No	1													
I9	Operating Mechanism for 400kV, High Speed Earthing Switch	No	1													
I10	Single Phase Bus bar (Any type)	m	1													
I11	Conductor for Single phase Bus bar/ bus duct (any type)	kg	10													
I12	GIS metallic enclosure (any type)	m	1													
I13	Epoxy resin insulators for bus support with holes for gas flow (of each type and rating)	set	1													
I14	Gas barrier insulators (of each type and rating)	set	1													
I15	Density switch	no.	1													
I16	Gas monitoring system devices	lot	1													
I17	PD sensor	No.	1													

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Instruction to bidder----->							1. Applicable only for foreign bidder. 2. Quoted prices of marine freight & insurance is inclusive of all taxes & duties				Quoted prices of inland freight & insurance is inclusive of all taxes & duties		Bidder to indicate percentage and value for each line item	Bidder to indicate percentage and value for each line item	Bidder to indicate prices in price bid of BHEL's Format & mention QUOTED / NOT QUOTED OR NOT APPLICABLE of each & every cell	
I18	Optical indicator for CB, Isolator	No.	1													
I19	Elbow /Angle / T-bends	No.	1													
I20	Telescopic enclosure	No.	1													
I21	Sleeve enclosure	No.	1													
I22	Expansion joints for bellows	m	1													
I23	cross tank	No.	1													
I24	Services of manpower for erection per day (excl. travel time)	days	1													
I25	Services of manpower for Testing & commissioning per day (excl. travel time)	days	1													
I26	Hiring charges of HV test kit	lot	1													
A	Total Ex-works / FOB =															
B	Total Sea freight & Insurance =															
C	Total Inland freight & insurance charges =															
D	Total excise duty =															
E	Total central sales taxes =															
	Total cost to BHEL for Indian supplier (A + C + D + E)=															
	Total CIF value + inland freight and insurance (if applicable) for foreign supplier (A + B + C) =															

Note:

1. Serial No of BOQ in UN-PRICED BID is mapped in line with BOQ as mentioned in Technical Specification/Uploaded as amendment.
2. Each cell to be filled by bidder in the price bid. In case that cell is not applicable as per NIT condition, NA must be mentioned in UN-PRICED BID.
3. In UN-PRICED, Bidder to indicated QUOTED in placed of price. NA in case of not applicable.
4. Bidder stickly to quote in BHEL format only. Other format of price bid will be liable for rejection.
5. Bidder to quote strictly as per BOQ. Rates/prices shall not be combined. In case the charges/prices are combined, BHEL resrves the right to reject the offer. Decision of BHEL shall be final.
6. Bidder to indicate CIF value, if any and HS code for supplies of each item.
7. CT & VT details given in single line diagram are tentative and may change at contract stage. Changes to be incorporated by bidder without any cost and delivery implication.

BHEL UN-PRICE BID FORMAT FOR SERVICE PART

Enquiry No: 275E210, dtd 17.10.2015
 Project: GSECL WANAKBORI 800MW
 item: 400KV GIS

S.N	PI-ITEM	Unit	Qty	Currency	Unit Charges	Total Charges	Service taxes, if applicable in INDIA		Total Cost to BHEL for indian supplier for each line item	Total cost to BHEL for foreign supplier for each line item
Instrcution to bidder----->							Bidder to indicate percentage for each line item	Value	In case training / Type Test is conducted outside India, taxes outside India shall be in scope of bidder and deemed to be included in their quoted prices.	
			(0)		(1)	(2) = (1) X (0)	(3) =% of (2)	(4)	['(5) =(2)+ (4)]	['(6)=(2)+ (4)]
									[TOTAL CHARGES + SERVICE TAX]	[TOTAL CHARGES + SERVICE TAX]
F	Services: Supervision of Erection, commissioning & site testing including earthing (F1 to F7)	Lot	1							
F1	Insulation co-ordination studies	Lot	1							
F2	Site visit for unloading & verification of material at store	Lot	1							
F3	Supervision of Erection of GIS	Set	1							
F4	Supervision of Erection of GIS Duct - GIS to SF6 to Air Bushings	Set	6							
F5	Supervision of Erection of complete SF6 to Air Bushing	Set	18							
F6	Testing & Commissioning of GIS	Set	1							
F7	Final successful Testing of GIS including HV test kit	Lot	1							
G	Services: Training (G1 to G2)	Lot	1							
G1	Training for GIS to GSECL/BHEL engineers -Visit to manufacturer's works = 15 mandays	Lot	1							
G2	Training for GIS to GSECL/BHEL engineers - Operation and maintenance of Plant (GIS) at site = 15 mandays	Lot	1							
H	Any other item required for completion of project (H1 to H2)	Lot	1							
H1	Supply - Any other item required for completion of project and not covered in A to E - Complete List to be provided by bidder along with unit prices-	Lot	1							
H2	Services - Any other item required for completion of project and not covered in F&G - Complete List to be provided by bidder along with unit prices.	Lot	1							
A	Total Charges =									
B	Total Service Taxes =									
	Total cost to BHEL for service portion in case of Indian supplier (A + B)=									
	Total cost to BHEL for service portion in case of foreign supplier (A + B) =									

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