



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN – 01

Ref: PSER:SCT: BOK-M1389:TCN-01

Date: 13-09-2012

Sub	Tender change notice (TCN) 01	
Job	Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject System for 1x500 MW unit at Bokaro-A TPS, Jharkhand	
Ref	1.0	PSER:SCT:BOK-M1389:12.
	2.0	BHEL's NIT, vide reference no PSER:SCT:BOK-M1389:2937, dated 31-08-2012.
	3.0	All other pertinent issues till date.

With reference to above, following points/ documents, relevant to tender, may please be noted and complied with while submitting offer.

- 1.0 Revised Price Schedule, Volume-III, Rev-1 attached. Bidder shall quote as per this revised Volume-III, Rev-1 only.
- 2.0 Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 3.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

Engineer (SCT)

Encl

1.0 As above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION, DJ-9/1, SECTOR-II, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796

VOLUME-III PRICE SCHEDULE, REV-1	
DESIGN, ENGINEERING, MANUFACTURING, SUPPLY, ERECTION, COMMISSIONING ETC OF MILL REJECT SYSTEM FOR 1x500MW BOKARO-A TPS	
TENDER NO - PSER:SCT:BOK-M1389:12	
PREAMBLE	
01	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully in rates for various items. Clauses under this preamble shall be read in conjunction with Volume-IA, Volume-IB, Volume-IC, Volume-ID, Volume-II together with subsequent changes/ modifications etc thereto as applicable as on date of submission of price offer.
02	The work shall be carried out strictly as per specifications, description of the items in these schedule and/ or engineer's instructions.
03	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
04	Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc equipment, strengthening of roads/ culverts/ bridges etc including arranging all clearances etc required for carrying out different activities & tests, materials, levies, taxes, transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the tender document and this schedule.
05	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing and leveling etc including fixing of grid pillars, benchmarks etc required for commencement of site activities. No separate payment will be made towards the same.
06	Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English.
07	The tender shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
08	Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.
09	Unless otherwise specified & except for tender on lumpsum basis, for all item rate based tenders, the quantities of the various items mentioned in price schedule are approximate, based on very preliminary information and may vary to any extent or to be deleted altogether. The quoted/ accepted rates shall remain firm and valid as long as variation in total value of work executed under this contract including extra items, but excluding any price escalation, remains within +/- 30% (thirty percent) of the contract price given in the LOI/ WO.

**VOLUME-III
PRICE SCHEDULE, REV-1**

DESIGN, ENGINEERING, MANUFACTURING, SUPPLY, ERECTION, COMMISSIONING ETC OF MILL REJECT SYSTEM FOR 1x500MW BOKARO-A TPS

TENDER NO - PSER:SCT:BOK-M1389:12

SCH-1 - TOTAL PRICE

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	TOTAL QUOTED PRICE ()
1.0	Total lumpsum firm price for design, engineering, manufacturing, inspection and testing at vendor's/sub-vendor's works, painting, supply/delivery duly packed at project site including freight , unloading, storage and handling at site, design & construction of structural and minor civil works at site etc.,erection and commissioning, trial run at site,PG Test and handing over to the customer of Complete Mill Reject Handling System in line with drawings/ documents/ test procedures to be approved by Customer/Client , inclusive of all prevailing taxes, duties and other levies for Mill Reject System complete with all accessories including start up and commissioning spares as required , special maintenance tools and tackles ,if any for the total scope defined as per technical specification PE-TS-317-160-A001 taking into account all clarifications, confirmations and agreements till date.	
NOTE		
1.0	Bidder to note that while evaluation & awarding shall be done on total price at sl no 1.0 above and should be complete in all respect for the full scope defined and considering all terms and conditions, separate orders shall be placed for supply part & service part based on price components.	
2.0	Bidder shall note that Service Tax (On service part) shall be paid extra at actual as per tender provision. As such, bidder's price shall be exclusive of service tax and evaluation of bidders total price will be done on this basis.	
3.0	Bidder to furnish break-up of total price (1.0 above) into other schedules in the following manner. Separate orders will be placed by BHEL based on subsequent break-up of prices.	
3.1	SCH-2 - Total price break-up..	
3.2	SCH-3 - Supply price break-up.	
3.3	SCH-4 - Service price break-up.	
3.3	SCH-5 - Unit rates.	
3.4	SCH-6 - Guaranteed power consumption (GPC).	
4.0	Break-up of prices of 1.1 & 1.2 should match with 1.0.	
5.0	Subsequent break-up prices shall match with corresponding previous prices.	
6.0	If freight component is not specifically indicated, 2 % of total amount will be considered as freight component against each item for further processing.	
7.0	Bidder shall supply special tools & tackles for maintenance as per technical specification, if specified, price of which shall be indicated in the relevant schedule, else their price quoted shall be deemed to be inclusive of this price for special tools & tackle for maintenance. In case bidder do not specify price component (together with item-wise details) or indicate `NA', etc in the relevant schedule for special tools & tackles for maintenance, they have to supply such items, if required on detail engineering, at no extra cost to BHEL.	

VOLUME-III	
PRICE SCHEDULE, REV-1	
DESIGN, ENGINEERING, MANUFACTURING, SUPPLY, ERECTION, COMMISSIONING ETC OF MILL REJECT SYSTEM FOR 1x500MW BOKARO-A TPS	
TENDER NO - PSER:SCT:BOK-M1389:12	
SCH-1 - TOTAL PRICE	
8.0	In case bidder do not indicate price component (together with item-wise details) or indicate `NA', etc in the relevant schedule for start-up & commissioning spares, they have to supply such items such items, as per requirement for completion of the package, at no extra cost to BHEL.
9.0	In case bidder do not indicate price component or indicate `NA', etc in the relevant schedule for any other items component required for completion of package, they have to supply & execute such items, if required on detail engineering for completion of the package, at no extra cost to BHEL.
10.0	Unit rates/ prices, if included, shall not be considered for evaluation. Unit rates/ prices for items shall be applied for addition/ deletion of scope and rates shall be valid through out the contract period, including extension.
11.0	Other optional items, if included, shall not be considered for evaluation.
12.0	BHEL reserve the right to rationalize the rates, quoted by L-1 bidder against unit rate items and/ or other optional items with respect to item-wise lowest rates (amongst the participating bidders), before placement of order.
13.0	Estimated total power consumption including duty factor of 1.00 for working compressor considered is 80 KW.
14.0	Bidder's quoted GPC at the relevant schedule shall be demonstrated by the successful bidder during performance testing at works/ site. In case demonstrated power consumption is found more than GPC or EPC, whichever is higher, during inspection/ PG test, penalty @ Rs 1.874 lacs per KW of additional power over GPC or EPC, whichever is higher, will be levied.
15.0	Any item as per scope of work if not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.
16.0	Price format shall not be changed by bidder in any case, since it may lead to cancellation of bidder's offer.

VOLUME-III PRICE SCHEDULE, REV-1							
DESIGN, ENGINEERING, MANUFACTURING, SUPPLY, ERECTION, COMMISSIONING ETC OF MILL REJECT SYSTEM FOR 1x500MW BOKARO-A TPS							
TENDER NO - PSER:SCT:BOK-M1389:12							
SCH-2 - TOTAL PRICE BREAK-UP							
SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	QUOTED PRICE (₹)					
		BASIC PRICE	ED (As per tender)	CST (As per tender)	VAT (As per tender)	FREIGHT	TOTAL
(1)	(2)	(3)	(4)	(4)	(4)	(5)	(6)=(3+4+5)
Price break-up of 1.0 of SCH-1.							
1.1	Total lumpsum price for supply part for design, engineering, manufacturing, inspection & testing, painting, supply/ delivery duly packed at project site including freight, etc in line with drawings/ documents/ test procedures approved by BHEL/ customer, including supply of consumables, start-up & commissioning spares, special tools & tackles for maintenance, for the total scope defined in the technical specification and terms & conditions of tender, taking into account all clarifications, confirmations and agreements till date of Mill Reject Handling System.						
1.2	Total lumpsum price for service part for receipt, unloading, storage & handling at site, erection, commissioning, trial run, handing over to customer, etc in line with drawings/ documents/ test procedures approved by BHEL/ customer, for the total scope defined in the technical specification and terms & conditions of tender, taking into account all clarifications, confirmations and agreements till date of Mill Reject Handling System.						
TOTAL							

VOLUME-III									
PRICE SCHEDULE, REV-1									
DESIGN, ENGINEERING, MANUFACTURING, SUPPLY, ERECTION, COMMISSIONING ETC OF MILL REJECT SYSTEM FOR 1x500MW BOKARO-A TPS									
TENDER NO - PSER:SCT:BOK-M1389:12									
SCH-3 - SUPPLY PRICE BREAK-UP									
SL NO	DESCRIPTION OF ITEM	QUANTITY		QUOTED PRICE (Rs)					
				BASIC PRICE	ED (As per tender)	CST (As per tender)	VAT (As per tender)	FREIGHT	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)=(5)-(9)
PRICE BREAK-UP OF 1.1 OF SCH-2.									
1.1.1	Total price for denseveyors/ transport vessels with dome valve/ material handling valve and accessories	1	LOT						
1.1.2	Total price for Pyrite hoppers with level probes, temperature switch,rupture disk	1	LOT						
1.1.3	Total price for supply of pneumatic panel/ Air control module	1	LOT						
1.1.4	Total pricee for storage bunkers, pressure relief valves, bag filters with pressure switchs , terminal boxes , level probes, chain pulley blocks with accessories	1	LOT						
1.1.5	Total price for air compressors with drive etc	1	LOT						
1.1.6	Total price for Air receivers	1	LOT						
1.1.7	Total price of pipes for Mill reject conveying, Compressed air & cooling water services etc	1	LOT						
1.1.8	Total price for Air & Water line valves	1	LOT						
1.1.9	Total price for pneumatically operated knife gate valves/ plate valves for different application	1	LOT						
1.1.10	Total price for manually operated knife gate valves/plate valve for different application	1	LOT						
1.1.11	Lumpsum firm price for Alloy C.I bends/ fittings/laterals	1	LOT						
1.1.12	Total price for Field instruments other than those included above,cable glands & lugs, conduit & conduit accessories	1	LOT						
1.1.13	Lumpsum firm price of one no. trolley mounted sump pump complete with its control , hoses & other accessories	1	LOT						
1.1.14	Total price for PLC control panel/system	1	LOT						
1.1.15	Total price for <i>special</i> maintenance tools and tackles, if any	1	LOT						
1.1.16	Total price for Start-up & commissioning spares as required inclusive of all taxes, duties and other levies as applicable .	1	LOT						
TOTAL									

VOLUME-III					
PRICE SCHEDULE, REV-1					
DESIGN, ENGINEERING, MANUFACTURING, SUPPLY, ERECTION, COMMISSIONING ETC OF MILL REJECT SYSTEM FOR 1x500MW BOKARO-A TPS					
TENDER NO - PSER:SCT:BOK-M1389:12					
SCH-4 - SERVICE PRICE BREAK-UP					
SL NO	DESCRIPTION OF ITEM	QUANTITY		QUOTED PRICE (Rs)	
				RATE	TOTAL AMOUNT
(1)	(2)	(3)	(4)	(5)	(6)
PRICE BREAK-UP OF 1.2 OF SCH-2.					
1.2.1	denseveyors/ transport vessels with dome valve/ material handling valve and accessories	1	LOT		
1.2.2	Pyrite hoppers with level probes, temperature switch,rupture disk	1	LOT		
1.2.3	Pneumatic panel/ Air control module	1	LOT		
1.2.4	Storage bunkers, pressure relief valves, bag filters with pressure switches , terminal boxes , level probes, chain pulley blocks with accessories	1	LOT		
1.2.5	Air compressors with drive etc	1	LOT		
1.2.6	Air receivers	1	LOT		
1.2.7	Pipes for Mill reject conveying, Compressed air & cooling water services etc	1	LOT		
1.2.8	Air & Water line valves	1	LOT		
1.2.9	Pneumatically operated knife gate valves/ plate valves for different application	1	LOT		
1.2.10	Manually operated knife gate valves/plate valve for different application	1	LOT		
1.2.11	Price for Alloy C.I bends/ fittings/laterals	1	LOT		
1.2.12	Field instruments other than those included above,cable glands & lugs, conduit & conduit accessories	1	LOT		
1.2.13	Trolley mounted sump pump complete with its control , hoses & other accessories	1	LOT		
1.2.14	PLC control panel/system	1	LOT		
TOTAL					

**VOLUME-III
PRICE SCHEDULE, REV-1**

DESIGN, ENGINEERING, MANUFACTURING, SUPPLY, ERECTION, COMMISSIONING ETC OF MILL REJECT SYSTEM FOR 1x500MW BOKARO-A TPS

TENDER NO - PSER:SCT:BOK-M1389:12

SCH-5 - UNIT RATE ITEM (NOT FOR EVALUATION)

SL NO	DESCRIPTION OF ITEM	QUOTED PRICE (Rs)								
		SUPPLY PART						SERVICE PART	TOTAL	
		BASIC PRICE	ED (As per tender)	CST (As per tender)	VAT (As per tender)	FREIGHT	TOTAL			
(1)	(2)	(4)		(5)		(6)	(7)=(4+5+6)	(8)	(9)=(3+7+8)	
1.0	Unit price for compressed air pipe per meter length									
2.0	Unit price for conveying pipe per meter length									

VOLUME-III PRICE SCHEDULE, REV-1						
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TENDER NO - PSER:SCT:BOK-M1389:12						
SCH-6 - GUARANTEED POWER CONSUMPTION						
SL NO	DESCRIPTION OF EQUIPMENTS	NO OF EQUIPMENTS		TOTAL GUARANTEED POWER CONSUMPTION FOR EACH EQUIPMENT AT MOTOR INPUT TERMINAL AND CONTROL PANEL	DUTY FACTOR	TOTAL (KW)
		WORKING	STANDBY			
(1)	(2)	(3A)	(3B)	(4)	(5)	(6)=(3Ax4x5)
1.0	Conveying Air Compressors	2	1		1.0	
TOTAL						
NOTE						
1.0	Estimated power consumption (EPC) figure for the system (For working drives only) has been considered as 139 KW.					
2.0	Bidder's quoted GPC at the relevant schedule shall be demonstrated by the successful bidder during performance testing at works/ site. In case demonstrated power consumption is found more than GPC or EPC, whichever is higher, during inspection/ PG test, penalty @ Rs 1.874 lacs per KW of additional power over GPC or EPC, whichever is higher, will be lived.					

FORMAT FOR NO DEVIATION CERTIFICATE
(To be submitted in the bidder's letter head)

BHARAT HEAVY ELECTRICALS LIMITED,
 Power Sector - Eastern Region,
 Plot no 9/1, DJ Block, Sector – II, Salt Lake City,
 Kolkata – 700 091

Sub	No Deviation Certificate.	
Job	Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject System for 1x500 MW unit at Bokaro-A TPS, Jharkhand	
Ref	1.0	PSER:SCT:BOK-M1389:12
	2.0	BHEL's NIT, vide reference no PSER:SCT:BOK-M1389:2937, dated 31-08-2012.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:BOK-M1389:TCN-01, dated 13-09-2012.
	4.0	All other pertinent issues till date.

Dear Sirs,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized representative of the bidder)

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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