



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN – 06

Ref: PSER:SCT:RKL-M1810:TCN-06

Date: 01-04-2017

Sub	Tender change notice (TCN) 06	
Job	Design, Engineering, Manufacturing, Supply, Erection, Testing, Commissioning, etc. of CW Treatment Plant for 1x250 MW unit at PP-II Expansion, NSPCL, Rourkela, Odisha.	
Ref	1.0	Tender no PSER:SCT: RKL-M1810:17
	2.0	BHEL's NIT, vide reference no PSER:SCT:RKL-M1810:5465, Dated 08-02-2017.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:RKL-M1810:TCN-01, dated 01-03-2017.
	4.0	BHEL's TCN-02, vide reference no PSER:SCT:RKL-M1810:TCN-02, dated 08-03-2017.
	5.0	BHEL's TCN-03, vide reference no PSER:SCT:RKL-M1810:TCN-03, dated 15-03-2017.
	6.0	BHEL's TCN-04, vide reference no PSER:SCT:RKL-M1810:TCN-04, dated 22-03-2017.
	7.0	BHEL's TCN-05, vide reference no PSER:SCT:RKL-M1810:TCN-05, dated 28-03-2017.
	8.0	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-R-01 attached superseding PRICE SCHEDULE VOLUME-III-R-00 issued earlier along with NIT. Bidder shall quote as per this revised Volume-III, Rev-01 only. Bidders are also requested to submit a declaration in techno - commercial offer that they have submitted their price bid as per REVISED price schedule format (VOLUME-III- PRICE SCHEDULE, REV-01).
- 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

SR.ENGR (SCT)

Encl : As above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

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

Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for 1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.

TENDER NO - PSER:SCT:RKL-M1810:17

PREAMBLE

SL NO	DESCRIPTION
1	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully before filling in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender and other tender sections as applicable and shall have precedence over any contrary statement mentioned any where in this document.
2	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions. Drawings enclosed with the tender are only preliminary and for tender purposes and giving some idea of the work involved. The work is to be executed as per drawings & documents, which shall be furnished during execution.
3	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
4	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(except service tax), 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 complete tender document and this schedule.
5	The quantities of the various items mentioned in this schedule of items are approximate, based on very preliminary information and may vary to any extent or be deleted altogether. The quoted rates of each item will remain firm throughout the period of execution including extension, for reasons whatsoever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation remains, within fifteen percent ($\pm 15\%$) of the awarded price as per LOI .
6	Prior written approval of BHEL shall be sought by the contractor in case quantity variation of any item crosses +50% (plus fifty percent) limit during execution and approval to be obtained before execution of further quantity for this item.
7	In case Sealed /Paper Price Bids are opened for finalisation of the tender, for any Item Rate/BOQ based contract, possibility of variation of quantity/ addition/deletion of items can not be ruled out. Under such circumstances, after execution of work, if it is observed that standing as L-1 is changed based on actual quantity executed, the bidder shall give suitable rebate to maintain your standing as L-1. Since this aspect can be assessed at the end of execution, necessary adjustment will be effected at the end of execution in final bill.This condition shall not be applicable where the tender is finalised through Reverse Auction.
8	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.
9	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing , clearing of old structures 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.However, if separate rate for such item is available in the rate schedule, the same shall be considered.
10	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 language.

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Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for 1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.

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PREAMBLE

11	All works item wise shall be measured upon completion and paid for at the rates quoted and accepted as per BHEL approved payment schedule/billing break-up.
12	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.
13	No splitting of the job is envisaged. Decision of BHEL in this regard shall be final and binding to the bidders.
14	Bidders are not allowed to alter the Price Schedule format including item description, quantity etc. and the offer is liable for rejection if the bidders submit their prices in Price Schedules modified by them. BHEL reserves the right to reject the offers of bidders who submit offers in Price Formats which are modified/alterd by them. Also putting any comments instead of rates/price in the designated column of the rate schedule shall make the offer liable for rejection.
15	Bidders to note that for Civil &/Structural packages, against a particular item against a ST No. appearing in more than one schedule of the BOQ, same rate must be quoted in all schedules for that particular items with same descriptions. If by error, different rates are quoted in different schedules for same ST No. (i.e. item with same description), then the higher of the rates shall be considered for evaluation but awarding shall be done with the lower rate, if the bidder becomes L-1."
16	For Lumpsum Service Contract : The items/components indicated in the tender is indicative and may vary to any extent. No compensation shall be payable in case of any variation in the items/components listed in the bill of quantities if the executed weight remains within the variation limit. However, in case of deletion of any item or addition of new items over and above the items listed or variation of existing quantity beyond variation limit specified, adjustment (i.e. Payment or recovery as the case may be) shall be done on pro-rata basis based on the Rate per MT worked out from the quoted lump-sum Price and the total weight of components listed /indicated in price schedule plus 15% weight variation limit.
17	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.
18	In case of tender for Civil and/or Structural works, if the Non-schedule items are not quoted by the bidder, it will be treated at par with rate of corresponding item of CPWD/PWD/DSR schedule as prescribed in the tender/BOQ cum Rate Schedule.
19	No interest, whatsoever, shall be payable by BHEL on the security deposit, any bank guarantee submitted or any amount due to successful bidder/contractor.
20	Size and weights of various items are mentioned in the attached BOQ cum rate/price schedule for reference purpose only & these shall not be taken into consideration for quoting/calculating amount in the rate schedule. These shall be utilised as per relevant sections of tender. Bidders shall quote for each item in the rate column, taking unit as mentioned in the quantity column. Rates shall be filled in both figures and words. Amount shall be calculated based upon these rates multiplied by the mentioned quantity for the respective items.
21	Bidder's Total price will be considered for evaluation unless stated otherwise.
22	In case of BOP packages, if Bidder does not quote/indicate the price for freight charges against indicated rate schedule, the same shall be considered as 2% of basic price and adjusted with the total quoted price against each item keeping the total quoted price unaltered.

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

Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for 1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.

TENDER NO - PSER:SCT:RKL-M1810:17

SCH-1 - TOTAL PRICE

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	TOTAL QUOTED PRICE (Rs)
1.0	Total lumpsum price for supply and service parts for design, engineering, manufacturing, inspection, testing, painting, supply/delivery duly packed at project site including freight, receipt, unloading, storage & handling at site, design & construction of structural work at site, minor civil work at site, erection, commissioning, final painting at site, trial run, complete operation & maintenance of CW Treatment Programme shall be carried out by the bidder for one year after successful PG Test, handing over, 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, agreements till date, complete with all accessories, including fill of lubricants & consumables, supply of chemicals, erection & commissioning spares, special tools & tackles, mandatory spares, of CW-Treatment Plant for 1x250 MW PP-II Expansion Project, NSPCL, Rourkela, Odisha.	

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NOTE

1.0	Bidder to note that total price at sl no 1.0 above shall be considered for evaluation & awarding. As such total price at sl no 1.0 should be complete in all respect for the full scope defined and considering all terms and conditions.
3.0	Bidder to note that percentage break-up of above total price into supply part, service part are frozen and indicated in SCH-2. Base on this break-up and further break-up in subsequent schedules, separate orders will be placed for (i) Main supply; (ii) Mandatory spares supply and (iii) Service, as per respective price components. Based on this broad break-up, item/ system-wise percentage break-up of supply part & service part are frozen & indicated in subsequent schedules.
4.0	For supply part, bidder shall furnish break-up of broad allocated item/ system-wise prices into basic price, taxes & duties, freight, total in the respective schedule in the following manner.
4.1	SCH-3 - Main supply price break-up into basic, taxes & duties, freight, total for various items/ systems as per prescribed format.
4.2	SCH-4 - Erection & commissioning spares price break-up, indicating items-wise break-up into basic, taxes & duties, freight, total, corresponding to allocated percentage of SCH-3..
4.3	SCH-5 - Special tools & tackles for maintenance price break-up, indicating items-wise break-up into basic, taxes & duties, freight, total, corresponding to allocated percentage of SCH-3..
4.4	SCH-6 - Mandatory spares price break-up, indicating items-wise break-up into basic, taxes & duties, freight, total corresponding to allocated percentage of SCH-3.
5.0	For service part, break-up of allocated item/ system-wise prices is frozen and furnished in SCH-7 and shall be followed for all contractual purpose. For this, bidder need not to furnish any further break-up.

VOLUME-III PRICE SCHEDULE, REV-1	
Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for 1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.	
TENDER NO - PSER:SCT:RKL-M1810:17	
SCH-1 - TOTAL PRICE	
6.0	For operation & maintenance part, bidder shall quote their rates and amount in SCH-8, corresponding to allocated percentage of SCH-2.
7.0	For import content, price of which is included in sl no 1.0 above, but to enable issue of requisite documents by BHEL, bidder shall furnish details of CIF content in SCH-9.
8.0	Bidder shall note that while the allocated price in each schedule correspond to their respective prices, rates of various components will be worked out by apportioning the amounts wrt respective indicated quantities.
9.0	If the bidder fail to furnish break-up as per above or furnish break-up in variance to above, BHEL reserve the right to fill-in or amend break-up, as applicable, as per BHEL's discretion in line with broad frozen break-up. Decision of BHEL in this regard shall be final & binding on bidder.
10.0	Based on mode of finalisation of contract (Either through Reverse Auction or price bid opening, followed by negotiation, if any, while absolute price may change, percentage allocation as per the price schedule shall remain unchanged.
11.0	If freight component is not specifically indicated in the relevant section of price schedule, 2% of total corresponding amount will be considered as freight component against each item for further processing.
12.0	Bidder shall furnish item-wise rate/ price for mandatory spare as per list & as per technical specification, in the relevant schedule, if included. In case, bidder do not furnish any rate/ price or indicate `NA' against any item due to non-applicability as per bidder's design, etc, they have to supply such items, if found required on detail engineering or due to any other reason at a later date as per direction of BHEL/ customer.
13.0	Bidder shall furnish item-wise rate/ price for special tools & tackles for maintenance as per specified list of technical specification or separately furnish item-wise rate/ price break-up gainst allocated percentage in the price scehdule. In case, bidder do not furnish any rate/ price or indicate `NA' against any item due to non-applicability as per bidder's design, etc, they have to supply such items, if found required on detail engineering or due to any other reason at a later date as per direction of BHEL/ customer.
14.0	Bidder shall furnish item-wise rate/ price for erection & commissioning speares as per specified list of technical specification or separately furnish item-wise rate/ price break-up gainst allocated percentage in the price scehdule. In case, bidder do not furnish any rate/ price or indicate `NA' against any item, they have to supply such items, if required on detail engineering or due to any other reason at a later date as per direction of BHEL/ customer.
15.0	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, if applicable, they have to supply & execute such items, if required on detail engineering for completion of the package, at no extra cost to BHEL.
16.0	Quantity of variable items (marked *), if included, is likely to vary during detailed design & engineering stage mainly due to change in layout/ dimension, etc. The unit rates quoted & accepted by BHEL for these items shall be considered and no separate unit rates shall be quoted. Unit rates shall be valid throughout contract.
17.0	Unit rate items, if included, shall not be considered for evaluation. The rates for the Unit rate items shall be applied for addition/ deletion of scope and rates shall be valid through out the contract period, including extension.
18.0	Other optional items, if included, shall not be considered for evaluation.

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

**Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for 1x250 MW, PP-II Expansion
Project, NSPCL, Rourkela, Odisha.**

TENDER NO - PSER:SCT:RKL-M1810:17

SCH-1 - TOTAL PRICE

19.0	BHEL reserve the right to rationalize the rates, quoted by L-1 bidder against variable items, Unit Rate items other optional ,items with respect to item-wise lowest rates (amongst the participating bidders), before placement of order.
20.0	BHEL shall issue requisite document, if required, for imported items, if included, limited to the CIF values furnished by bidder in the relevant schedule.
21.0	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.
22.0	Price format shall not be changed by bidder in any case, since it may lead to cancellation of bidder's offer.

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PRICE SCHEDULE, REV-1			
Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for 1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.			
TENDER NO - PSER:SCT:RKL-M1810:17			
SCH-2 - TOTAL PRICE BREAK-UP			
SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	ALLOCATION OF TOTAL PRICE (IN PERCENT)	ALLOCATION OF TOTAL PRICE - ABSOLUTE VALUE (IN RUPEES)
(1)	(2)	(3)	(4)
BREAK-UP OF TOTAL PRICE, SL NO 1.0 OF SCH-1			
1.0	MAIN SUPPLY		
	Total lumpsum price for supply part for design, engineering, manufacturing, inspection, testing, painting, supply/ delivery duly packed at project site including freight, receipt, etc in line with drawings/ documents/ test procedures approved by BHEL/ customer, for total scope defined in technical specification and terms & conditions of tender, taking into account all clarifications, confirmations, agreements till date, complete with all accessories, including fill of lubricants & consumables, supply of chemicals, erection & commissioning spares, special tools & tackles, of CW-Treatment Plant.	75%	
2.0	MANDATORY SPARE SUPPLY		
	Total lumpsum price for supply part for design, engineering, manufacturing, inspection, testing, painting, supply/ delivery duly packed at project site including freight, receipt, 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, agreements till date, complete with all accessories of mandatory spares of CW-Treatment Plant.	5%	
3.0	MAIN SERVICE		
	Total lumpsum price for service part for receipt, unloading, storage & handling at site, design & construction of structural work at site, minor civil work at site, erection, commissioning, final painting at site, trial run, Supervision Of CW Treatment Programme, handing over, 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, agreements till date, complete with all accessories, of CW-Treatment Plant.	15%	
4.0	OPERATION & MAINTENANCE (O&M)		
	Total lumpsum price for complete operation & maintenance of CW Treatment Programme shall be carried out by the bidder after successful PG Test for the total scope defined in the technical specification and terms & conditions of tender, taking into account all clarifications, confirmations, agreements till date, complete with all accessories, of CW-Treatment Plant.	5%	
TOTAL (MAIN SUPPLY + MANDATORY SPARES SUPPLY + MAIN SERVICE + O&M)		100.00%	
NOTE			
1.0	Bidder to note broad percentage break-up prices at sl no 1.0 in SCH-1 into Main Supply, Mandatory Spare Supply, Main Service & O&M as per above.		
2.0	Bidder to note that, based on above break-up together with break-up in subsequent schedules, separate orders will be placed for (i) Main supply; (ii) Mandatory spares supply; (iii) Main Service & (iv) O&M.		

VOLUME-III									
PRICE SCHEDULE, REV-1									
Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for 1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.									
TENDER NO - PSER:SCT:RKL-M1810:17									
SCH-3 - MAIN SUPPLY PRICE BREAK-UP									
SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	ALLOCATION OF TOTAL PRICE (IN PERCENT)	QUANTITY	QUOTED COMPONENT OF ALLOCATION (IN Rs)					TOTAL PRICE
				BASIC PRICE	ED (As per tender)	CST (As per tender)	VAT (As per tender)	FREIGHT	
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)=(6)-(10)
BREAK-UP OF MAIN SUPPLY PRICE, SL NO 1.0 OF SCH-2									
1.0	Atmospheric tanks	16	1	Lot					
2.0	Valves	10	1	Lot					
3.0	Instruments	8	1	Lot					
4.0	Pumps with motor	10	1	Lot					
5.0	Piping & Fittings	14	1	Lot					
6.0	Chemicals	34	1	Lot					
7.0	Total price for erection & commissioning spares. (Bidder shall submit item-wise break-up in techno-commercial offer as well as in price offer)	2	1	Lot					
8.0	Total price for special tools & tackles for maintenance. (Bidder shall submit item-wise break-up in techno-commercial offer as well as in price offer)	2	1	Lot					
9.0	Misc. Balance Items	4	1	Lot					
TOTAL (MAIN SUPPLY)		100							
NOTE									
1.0	While break-up of main supply price (75%) w.r.t. total price is frozen in SCH-2. Further range of break-up of main supply price into various supply components is provided as per above SCH-3. Bidder has to quote a fixed percentage, within the range provided, against individual item such that sum total is equal to 100%. Moreover, bidder has to furnish detail break-up of price of individual item as per above prescribed format.								
2.0	Further break-up of LOT items into specific quantities, unit, shall be worked out by bidder based on detail design/ engineering for approval of BHEL.								

VOLUME-III									
PRICE SCHEDULE, REV-1									
Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for 1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.									
TENDER NO - PSER:SCT:RKL-M1810:17									
SCH-4 - ERECTION & COMMISSIONING SPERES SUPPLY PRICE BREAK-UP									
SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	ALLOCATION OF TOTAL PRICE (IN PERCENT)	QUANTITY	QUOTED COMPONENT OF ALLOCATION (IN Rs)					
				BASIC PRICE	ED (As per tender)	CST (As per tender)	VAT (As per tender)	FREIGHT	TOTAL PRICE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)=(5)-(9)
BREAK-UP OF ERECTION & COMMISSIONING SPARE SUPPLY PRICE, SL NO 7.0 OF SCH-3									
1.0									
2.0									
3.0									
TOTAL (ERECTION & COMMISSIONING SPARE SUPPLY)		100%							
NOTE									
1.0	Bidder may attach separate sheet to furnish item-wise break-up of erection & commissioning spare corresponding to allocation in SCH-3.								

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

**Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for 1x250 MW, PP-II Expansion
Project, NSPCL, Rourkela, Odisha.**

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SCH-5 - SPECIAL TOOLS & TACKLES SUPPLY PRICE BREAK-UP

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	ALLOCATION OF TOTAL PRICE (IN PERCENT)	ALLOCATION OF TOTAL PRICE (IN INR)	QUANTITY	QUOTED COMPONENT OF ALLOCATION (IN Rs)					
					BASIC PRICE	ED (As per tender)	CST (As per tender)	VAT (As per tender)	FREIGHT	TOTAL PRICE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)=(6)-(10)
BREAK-UP OF SPECIAL TOOLS & TACKLES SUPPLY PRICE, SL NO 8.0 OF SCH-3										
1.0										
2.0										
3.0										
4.0										
TOTAL (SPECIAL TOOLS & TACKLES SUPPLY)		100%								
NOTE										
1.0	Bidder may attach separate sheet to furnish item-wise break-up of special tools & tackles cporresponding to allocation in SCH-3.									

VOLUME-III PRICE SCHEDULE, REV-1									
Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for 1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.									
TENDER NO - PSER:SCT:RKL-M1810:17									
SCH-6 - MANDATORY SPARES SUPPLY PRICE BREAK-UP									
SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	QUANTITY		QUOTED PRICE (IN Rs)					TOTAL PRICE
				BASIC PRICE	ED (As per tender)	CST (As per tender)	VAT (As per tender)	FREIGHT	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(4)-(8)	
BREAK-UP OF MANDATORY SPARES SUPPLY PRICE, SL NO 2.0 OF SCH-2									
1.0	Vales (Gate/Globe/Butterfly/NRV)								
1.1	Reduction Gear operator (Gate/Globe/Butterfly)	10% of the population of each type and size	Number						
1.2	Flap/Door with pin (NRV) of each type and size	10% of the population	Number						
1.3	Disc (butterfly/globe)	5% of the population of each type and size	Number						
1.4	Seal rings (all type)	10% of the population of each type and size	Number						
1.5	Flap Rings (NRV)	10% of the population of each type and size	Number						
1.6	Gaskets	10% of the population of each type and size	Number						
1.7	Bearing	10% of the population of each type and size	Number						
2.0	Y type strainers								
2.1	Strainers elements with O rings and stiffeners	20% of the population of each type and size	Number						
TOTAL (MANDATORY SPARES SUPPLY)									
NOTE									
1.0	While break-up of mandatory spares supply (5%) w.r.t. total price is frozen in SCH-2. Further break-up of mandatory spare supply price (100%) into various components is to be furnished by bidder as per above prescribed format.								
2.0	Unless stated otherwise, a 'set' means item or sub-items required for each type/ size, range of assembly/ sub- assembly required for complete replacement in one equipment system; it is further intended that the assembly/ sub-assembly which have different orientation (like left hand or right hand, top or bottom), different direction of rotation or mirror image positioning or any other reasons which result in marinating two different sets of spares to be used for subject assembly/ sub assembly, these shall be considered as different type of assembly/ sub assembly.								
3.0	Wherever quantity has been specified as percentage (%), the quantity of mandatory spares to be provided by successful bidder shall be the specified percentage (%) of total population required to meet the specification requirements. In case the quantity of mandatory spares so calculated happens to be in fraction, same shall be rounded off to next higher whole number.								
4.0	Wherever the quantities have been indicated for each type, size, thickness, material, radius , range, etc, these shall cover all the items supplied and installed and the breakup of these shall be furnished by successful bidder during detail engineering.								
5.0	In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to the offered design with quantities generally in line with the approach followed in the above list.								
6.0	Wherever bidder has indicated an item as not applicable, the same will have to be supplied free of cost, in case it is found applicable during detail engineering.								
7.0	Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification apart from specified above, same shall be deemed to have been covered in bidders scope of supply.								

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

**Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW
Treatment Plant for 1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.**

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SCH-7 - MAIN SERVICE PRICE BREAK-UP

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	ALLOCATION OF TOTAL PRICE (IN PERCENT)	QUANTITY	ALLOCATION OF TOTAL PRICE - ABSOLUTE VALUE (IN RUPEES)
(1)	(2)	(3)	(4)	(5)
BREAK-UP OF MAIN SERVICE PRICE, SL NO 1.3 OF SCH-2				
1.0	Atmospheric tanks	16	1 Lot	
2.0	Valves	10	1 Lot	
3.0	Instruments	8	1 Lot	
4.0	Pumps with motor	10	1 Lot	
5.0	Piping & Fittings	14	1 Lot	
6.0	Chemicals	34	1 Lot	
7.0	Misc. Balance Items	8	1 Lot	
TOTAL (MAIN SERVICE)		100		

NOTE

- | | |
|-----|--|
| 1.0 | While break-up of main service price (15%) w.r.t. total price is frozen in SCH-2.. Bidder has to quote a fixed percentage, within the range provided, against individual item such that sum total is equal to 100%. For this, bidder will not be required to furnish any further break-up. |
| 2.0 | Further break-up of LOT items into specific quantities, unit shall be worked out by bidder based on detail design/ engineering for approval of BHEL. |

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

**Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant for
1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.**

TENDER NO PSER:SCT:RKL-M1810:17

SCH-8 - OPERATION & MAINTENANCE (O&M) PRICE BREAK-UP

SL. NO.	DESCRIPTION OF ITEM	QUANTITY	UNIT RATE	TOTAL AMOUNT
O&M PRICE BREAK-UP OF 4.0 OF SCH-2.				
1.0	Lumpsum price for operation & maintenance of CW TREATMENT PLANT for one year after successful PG Testas per tender and and as per direction of BHEL.	12	MONTH	
NOTE				
1.0	While break-up of O&M price (5%) w.r.t. total price is frozen in SCH-2. Further break-up of price into monthly rate is frozen as per above SCH-8.			

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

**Design, engineering, manufacturing, supply, erection, testing, commissioning, etc. of CW Treatment Plant
for 1x250 MW, PP-II Expansion Project, NSPCL, Rourkela, Odisha.**

TENDER NO - PSER:SCT:RKL-M1810:17

SCH-9 - IMPORT CONTENT

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	ALL INCLUSIVE PRICE (As per tender)
1.0	Total price (in terms of `Euro/US \$' and correspondingly in INR as on date) for supply of import content, as required, for total scope defined as per technical specification and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date.	
1.1.1	In Euro.	
1.1.2	In INR (Corresponding to 1.1.1).	
1.2.1	In US \$.	
1.2.2	In INR (Corresponding to 1.2.1).	
1.3	Total in INR (1.1.2 + 1.2.2).	
NOTE		
1.0	Bidder's quoted price/ allocations in various schedules shall be inclusive of above total price for import component at sl no 1.3 above.	
2.0	Bidder shall furnish item-wise break-up of imported items.	

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, Testing, Commissioning, etc. of CW Treatment Plant for 1x250 MW unit at PP-II Expansion, NSPCL, Rourkela, Odisha.	
Ref	1.0	Tender no PSER:SCT: RKL-M1810:17
	2.0	BHEL's NIT, vide reference no PSER:SCT:RKL-M1810:5465, Dated 08-02-2017.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:RKL-M1810:TCN-01, dated 01-03-2017.
	4.0	BHEL's TCN-02, vide reference no PSER:SCT:RKL-M1810:TCN-02, dated 08-03-2017.
	5.0	BHEL's TCN-03, vide reference no PSER:SCT:RKL-M1810:TCN-03, dated 15-03-2017.
	6.0	BHEL's TCN-04, vide reference no PSER:SCT:RKL-M1810:TCN-04, dated 22-03-2017.
	7.0	BHEL's TCN-05, vide reference no PSER:SCT:RKL-M1810:TCN-05, dated 28-03-2017.
	8.0	BHEL's TCN-06, vide reference no PSER:SCT:RKL-M1810:TCN-06, dated 01-04-2017.
	9.0	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)

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

फैक्स/Fax : (033) 23211960

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