



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER: SCT:NBN-M1618:TCN-01

Date: 20-11-2014

(PAGE 1 OF 2)

Sub	Tender Change Notice (TCN) - 01.	
Job	Design, engineering, supply, erection & commissioning of Coal Mill Reject System Package for, 3x660 MW NPGCL, Nabinagar Project, Bihar.	
Ref	1.0	Tender no PSER:SCT:NBN-M1618:14
	2.0	BHEL's NIT, vide reference no PSER:SCT:NBN-M1618:4029 Date : 05-11-2014
	3.0	Other References, if any.

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

- 1) Revised Price schedule is attached in Volume-III (Rev-01).
- 2) Correction in Volume IC- TAXES & DUTY PORTION of the referred tender is as follows :---

Ref. clause of Tender Document	Existing provision	Revised Provision
Volume- IC CLAUSE 29.3.5	VAT shall be payable extra limited to the quoted value on all items supplied from the state on submission of Tax Invoice & as per tariff applicable, if the same is payable to the respective Government authorities meeting all statutory requirements and availing all exemption/ concessions under the state Value Added Tax Act, 2003. The tax invoice pertaining to supplies made in a quarter must be presented within that quarter. . As such bidder's quoted price shall be exclusive of VAT amount.	VAT shall be payable extra limited to the quoted value on all items supplied from the state on submission of Tax Invoice & as per tariff applicable, if the same is payable to the respective Government authorities meeting all statutory requirements and availing all exemption/ concessions under the state Value Added Tax Act, 2003. The tax invoice pertaining to supplies made in a quarter must be presented within that quarter.
Volume- IC CLAUSE 29.3.7	Bidder's quoted price shall be exclusive of VAT amount and as such, VAT amount will not be included for evaluation of bidder's total price.	Stands Deleted

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211798/ 1691



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

Ref: PSER: SCT:NBN-M1618:TCN-01

Date: 19-11-2014

(PAGE 2 OF 2)

- 3) Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
- 4) All other terms & conditions of the tender shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

DGM (SCT)

Encl: As above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211798/ 1691

VOLUME-III PRICE SCHEDULE, REV-1	
Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR	
TENDER NO. PSER:SCT:NBN-M1618:14	
SL. No.	PREAMBLE
1	This preamble forms part of tender document and schedule of items. The bidder should read this preamble carefully for various items. Clauses under this preamble shall be read in conjunction with applicable volumes of Volume-IA, Volume-IB, Volume-IC, Volume-ID, Volume-IF, Volume-II, other part of this volume, together with subsequent changes/ modifications, etc thereto as applicable as on latest date of submission of price offer.
2	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.
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.
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.
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 the 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/altered by them.
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	In case of Lumpsum contracts, addition or deletion of the scope beyond the variation limit specified shall be derived from the quoted Lumpsum price and the tendered scope of work considering the allowable 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 , 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	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.
20	Bidder's Total price will be shall be considered for evaluation unless stated otherwise.
21	In case of BOP packages, if Bidder does not quote/indicate the price for freight chagses against indicated rate schedule, the same shall be considered as 2% of basic price and adjusted with the total quoated price against each item keeping the total quoted price unaltered.

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

Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-1- TOTAL PRICE

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	QUOTED PRICE (Rs)
		ALL INCLUSIVE TOTAL PRICE
(1)	(2)	(3)
1.0	Total lumpsum firm price inclusive of all taxes duties and other levies as applicable for design, engineering, manufacturing, inspection and testing, 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 System in line with drawings/ documents/ test procedures approved by BHEL/Customer, inclusive of all prevailing taxes, duties and other levies for Mill Reject System complete with all accessories including Mandatory spares , erection and commissioning spares and maintenance tool & tackles as required for the total scope defined as per technical specification PE-TS-393-160-A001 taking into account all clarifications, confirmations and agreements till date. for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR	
NOTE		
1.0	Bidder to note that total price indicated above at sl no - 1.0 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed including electrical and control & instrumentation.	
2.0	Bidder to furnish break-up of total price (1.0 above of this SCH-1) and other details in the following manner. While, evaluation will be done on 1.0 above, separate orders will be placed for supply part & service part , on the basis of respective price components in the corresponding schedules.	
2.1	SCH-2 - Main price break-up (Summation of prices at sl no 1.1 & 1.2 of SCH-2 shall match with total price at sl no 1.0 above).	
2.2	SCH-3 - Supply part price (Total price of SCH-3 shall match with total price at sl no 1.1 of SCH-2).	
2.3	SCH-4 - Service part price (Total price of SCH-4 shall match with total price at sl no 1.2 of SCH-2)	
2.4	SCH-5 - List of Mandatory Spares	
2.5	SCH-6 - Special tools & tackles	
2.6	SCH-7 - Start-up & Commissioning spares	
2.8	SCH-8- Unit rates for Mill Reject System (not for evaluation).	
2.9	SCH-9 - Optional price break-up (not for evaluation).	
2.10	SCH-10 - Guaranteed Power Consumption Mode: Pneumatic Conveying	

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

Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-1- TOTAL PRICE

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	QUOTED PRICE (Rs)
		ALL INCLUSIVE TOTAL PRICE
3.0	The quantity of variable items is likely to vary during detailed design & engineering stage mainly due to changes in building layouts/ dimensions etc necessitating change in quantities of variable items as above. The unit rates quoted & accepted by BHEL shall be considered and no separate unit rates shall be quoted. Unit rates shall be valid throughout the contract. Bidder to note that BHEL reserve the right to rationalize the rates quoted by L-1 bidder against variable items and optional item with respect to item-wise lowest rates (amongst the participating bidders), before placement of order.	
4.0	Any item as per scope of work if not included in price quoted above & shown separately will not be taken cognizance of and offer shall be liable for rejection.	
5.0	Offer is liable to be rejected in case bidder fail to furnish item-wise break-up as desired in various schedules and submit price bid complete in all respects.	
6.0	In absence of freight component, 2 % of total amount will be considered as freight component against each item for further processing of the tender.	
7.0	Quoted price for service part against sl no 1.2 in SCH-2 shall be minimum 20 % of total price quoted against sl no 1.0 of SCH-1. In case of any variance in this respect, BHEL will adjust finally accepted price in line with the stated minimum allocation.	
8.0	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.	
9.0	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.	
10.0	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.	
11.0	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.	
12.0	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 Handling System for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-2- SUPPLY PART & SERVICE PART BREAK-UP OF PRICE

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	QUOTED PRICE (Rs)			FREIGHT	TOTAL PRICE
		BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per		
(1)	(2)	(1)	(2)	(3)	(4)	(5)=(1) ~ (4)
1.1	Total lumpsum price on FOR site basis for supply part for design, engineering, manufacturing, inspection and testing, painting, supply/delivery duly packed at project site including freight, inclusive of all prevailing taxes, duties and other levies for Mill Reject System complete with all accessories including Mandatory spares supply of start-up & commissioning spares,maintenance Tools & Tackles as required for the total scope defined as per technical specification PE-TS-393-160-A001 taking into account all clarifications, confirmations and agreements till date for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR.					
1.2	Total lumpsum price for service part for 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 System in line with drawings/ documents/ test procedures approved by BHEL/Customer for Mill Reject System complete with all accessories as required for the total scope defined as per technical specification PE-TS-393-160-A001 taking into account all clarifications, confirmations and agreements till date for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR.					
TOTAL						
NOTE						
1.0	Total of 1.1, 1.2 shall match with 1.0 of SCH-1.					

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

Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-3- SUPPLY PRICE BREAK-UP

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per tender)	FREIGHT	TOTAL PRICE
		(1)	(2)	(3)	(4)	(5)=(1) ~ (4)

BREAK-UP OF SUPPLY PRICE (SL. NO 1.1 OF SCH-2)

1.1.1	Lumpsum firm price for supply of denseveyors with dome /butterfly/ vertical swing type valve and accessories inclusive of all taxes, duties and other levies as applicable .					
1.1.2	Lumpsum firm price for supply of Pyrite hopper with level probes, temperature switch, rupture disc inclusive of all taxes, duties and other levies as applicable .					
1.1.3	Lumpsum firm price for supply of pneumatic panel/ Air control module/ Solenoid box with accessories inclusive of all taxes, duties and other levies as applicable .					
1.1.4	Lumpsum firm price for supply of storage bunkers, pressure relief valves, bag filters with pressure switch , terminal boxes , level probes, chain pulley blocks with accessories inclusive of all taxes duties and other levies as applicable.					
1.1.5	Lumpsum firm price for air compressors with drive etc inclusive of all taxes, duties and other levies as applicable					
1.1.6	Lumpsum firm price for Air receivers with accessories inclusive of all taxes, duties and other levies as applicable					
1.1.7	Lumpsum firm price of pipes for Mill reject conveying, Compressed air & cooling water services etc inclusive of all taxes, duties and other levies as applicable					
1.1.8	Lumpsum firm price for Air & Water line valves inclusive of all taxes, duties and other levies as applicable					
1.1.9	Lumpsum firm price for pneumatically operated knife gate valves for different application inclusive of all taxes, duties and other levies as applicable .					
1.1.10	Lumpsum firm price for Alloy C.I bends/ fittings/laterals inclusive of all taxes, duties and other levies as applicable .					

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

Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-3- SUPPLY PRICE BREAK-UP

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per tender)	FREIGHT	TOTAL PRICE
		(1)	(2)	(3)	(4)	(5)=(1) ~ (4)
1.1.11	Lumpsum firm price for Field instruments/controls/special cables/cable glands & lugs, cable trays inclusive of all taxes, duties and other levies as applicable .					
1.1.12	Lumpsum firm price for instruments & controls cables inclusive of all taxes, duties and other levies as applicable.					
1.1.13	Lumpsum firm price of trolley mounted sump pump along with all its control, inclusive of all taxes, duties and other levies as applicable.					
1.1.14	Lumpsum firm price for Mandatory spares (SCH-5) as required inclusive of all taxes, duties and other levies as applicable .					
1.1.15	Lumpsum firm price for Start-up & commissioning spares (SCH-7) as required inclusive of all taxes, duties and other levies as applicable .					
1.1.16	Lumpsum price for special Maintenance tools and tackels as per (SCH-6) inclusive of all taxes, duties and other levies as applicable.					
1.1.17	Lumpsum firm prices of any other item under 1.1 inclusive of all taxes, duties and other levies as applicable (please specify quoted items)					
	Total of 1.1.1 to 1.1.17 should match with 1.1 of SCH-2. However, the break up prices indicated under this head are for internal use only & NOT for any comparision purpose & or making adjustment for scope variation.					
TOTAL						

VOLUME-III A
PRICE SCHEDULE, REV-1

Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL, NABINAGAR PROJECT,

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-4- SERVICE PRICE BREAK-UP

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	QUANTITY	RATE (Rs)	AMOUNT (Rs)
BREAK-UP OF SERVICE PRICE (SL. NO. 1.2 OF SCH-2)				
1.2.1	Denseveyors with dome /butterfly/ vertical swing type valve and accessories.	1	LOT	
1.2.2	Pyrite hopper with level probes, temperature switch, rupture disc	1	LOT	
1.2.3	Pneumatic panel/ Air control module/ Solenoid box with accessories	1	LOT	
1.2.4	Storage bunkers, pressure relief valves, bag filters with pressure switch , 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 with accessories	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 for different application	1	LOT	
1.2.10	Manually operated knife gate valves for different application	1	LOT	
1.2.11	Alloy C.I bends/ fittings/laterals.	1	LOT	
1.2.12	Field instruments/controls/special cables/ cable glands & lugs, cable trays.	1	LOT	
1.2.13	Instruments & controls cables, cable glands, lugs etc.	1	LOT	
1.2.14	Trolley mounted sump pump along with all its control.	1	LOT	
1.2.15	Any other item comes under 1.2 but not mentioned above.	1	LOT	
TOTAL				
NOTE				
1.0	Above total shall match with 1.2 of SCH-2.However , the break up prices indicated above are for internal use only & NOT for any comparision purpose & or making adjustment for scope variation.			

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

**Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL,
NABINAGAR PROJECT, BIHAR**

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-5 LIST OF MANDATORY SPARE

SL NO	DESCRIPTION OF ITEM	QTY	BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per tender)	FREIGHT	TOTAL PRICE
			(1)	(2)	(3)	(4)	(5)=(1) ~ (4)
1	Mill Reject Handling System						
1.A	Pneumatic Conveying System						
1.A.1	Conveying System Spares						
a)	Pneumatic main valves	4 sets of each type					
b)	Pneumatic/Solenoid Two/ Three position control valve	4 sets of each type					
c)	Plate/Dome valve(including seals) with Actuators (pneumatic/hydraulic) s	6 nos.					
d)	Plate/Dome valve seals	6 sets					
1.B	Compressors (Reciprocating type, if applicable)						
1.B.1	Compressor	1 no of each					
2	MEASURING INSTRUMENTS (for all systems including Air Compressor, Auxiliary Boiler, FOPH, Dosing System, ECW System etc.)						
2.1	Electronic Transmitters						

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

**Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL,
NABINAGAR PROJECT, BIHAR**

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-5 LIST OF MANDATORY SPARE

SL NO	DESCRIPTION OF ITEM	QTY	BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per tender)	FREIGHT	TOTAL PRICE
			(1)	(2)	(3)	(4)	(5)=(1) ~ (4)
2.1.1	Transmitters of all types, ranges and model no. (for the measurement of Pressure,differential pressure flow, level, etc.)	10% or 1 no. of each type and model whichever is more					
2.1.2	Level Transmitters (Ultrasonic/ radar type)	50% of each type and length, including sensors					
2.2	Temperature elements						
2.2.1	RTD's* of each type and length(with head assembly, terminal block & nipple)	10% or 2 nos. of each type and length, whichever is more					
2.2.2	Thermocouples of each type like K-type, R-type, metal etc. * (with head assembly, terminal block & nipple)	10% or 2 nos. of each type and length which ever is more					
2.2.3	Thermowell for application like mill outlet temperature and SH/RH/Eco/ flue gas temp. in furnace	10% or 2 nos. of each type and length whichever is more					
2.2.4	Temperature transmitters	10% of each type and length					

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

**Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL,
NABINAGAR PROJECT, BIHAR**

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-5 LIST OF MANDATORY SPARE

SL NO	DESCRIPTION OF ITEM	QTY	BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per tender)	FREIGHT	TOTAL PRICE
			(1)	(2)	(3)	(4)	(5)=(1) ~ (4)
2.3	Local Indicators like temperature gauges, pressure gauges, differential pressure gauges, flow gauges, flow meters etc.,	5% or 1 no. of each make, model and type whichever is more (to be divided to various ranges in proportion to main of all make, model, type population)					
2.4	Process Actuated Switch Devices Includes all types of Pressure, differential pressure, flow, temperature, differential temperature, level switch Devices	5% or 1 no. of each type and model whichever is more					
2.5	PD Type Flow Transmitters	1 no. of each type and model					
2.6	Flue gas Analyzer instruments for oxygen	1 no. Each complete instrument					
(i)	Electronic card Assemblies of each type	10%					
(ii)	Sets of gaskets/"O" rings	2 sets					
(iii)	Temperature Sensor & heater assembly	20%					

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

**Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL,
NABINAGAR PROJECT, BIHAR**

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-5 LIST OF MANDATORY SPARE

SL NO	DESCRIPTION OF ITEM	QTY	BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per tender)	FREIGHT	TOTAL PRICE
			(1)	(2)	(3)	(4)	(5)=(1) ~ (4)
(iv)	Complete Probe with shield assembly	2 nos.					
(v)	Consumables like filter elements etc	100%					
3	PROCESS CONNECTION PIPING (FOR IMPULSE PIPING/TUBING, SAMPLING PIPING / TUBING AND AIR SUPPLY PIPING AS APPLICABLE)						
3.1	Valves of all types and models	10% or 1 no. of each type, class, size and model whichever is more.					
3.2	2 way, 3way, 5way valve manifolds	10% or 1 no. of each type, class, size and model whichever is more.					
3.3	Fittings	10% or 1 packet of each type, class, size and model whichever is more.					
3.4	Purge meters	5% of each model or 1 no. whichever is more.					

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

**Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL,
NABINAGAR PROJECT, BIHAR**

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-5 LIST OF MANDATORY SPARE

SL NO	DESCRIPTION OF ITEM	QTY	BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per tender)	FREIGHT	TOTAL PRICE
			(1)	(2)	(3)	(4)	(5)=(1) ~ (4)
3.5	Filter regulators	20% of each model or 2 nos. whichever is more.					
4	INSTRUMENTATION CABLE, INTERNAL WIRING & ELECTRICAL FIELD						
4.1	Pre fabricated cable of each type.	10% of installed quantity					
4.2	Pre fabricated cable connector of each type	10% or 1 no. of each type and model, whichever is more.					
4.3	Other cables	5% of each type, pair and size of actual installed quantity					
5	CONTROL VALVES, ACTUATORS & ACCESSORIES						
5.1	Pneumatic and electro-hydraulic actuator assembly	10% or 1 no. of each type, model and rating, whichever is more					
5.2	Valve trim (including cage, plug, stem, seat rings, guide bushings etc.)	1 set for each type of control valve,					
5.3	Diaphragms, O' rings, seals etc. of all types, make etc.	200%					
5.4	Pressure Gauges of all types, make, rating etc.	10% or 2 nos. of each type whichever is more.					

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

**Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL,
NABINAGAR PROJECT, BIHAR**

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-5 LIST OF MANDATORY SPARE

SL NO	DESCRIPTION OF ITEM	QTY	BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per tender)	FREIGHT	TOTAL PRICE
			(1)	(2)	(3)	(4)	(5)=(1) ~ (4)
5.5	Positioner units (complete unit)	10% or 1 no. of each type whichever is more.					
5.6	Solenoid Valve(if Applicable)	10% or 2 nos. of each type whichever is more.					
	TOTAL						

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

Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR

TENDER NO. PSER:SCT:NBN-M1618:14

SCH- 8 UNIT RATES FOR MILL REJECT SYSTEM (NOT FOR EVALUATION; TO BE USED FOR ADJUSTMENT AGAINST ANY SCOPE VARIATION AND INFORMATION)

SL NO	DESCRIPTION OF ITEM	QUOTED RATE/ PRICE (Rs)						
		BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per tender)	FREIGHT	TOTAL SUPPLY	TOTAL SERICE	TOTAL PRICE OF SUPPLY & SERVICE
1.0	Unit price per meter with erection/ laying of conveying air Pipes inclusive of taxes, duties & other levies etc. (bidder to indicate the pipe size also)							
2.0	Unit price per meter with erection/ laying of Mill Reject conveying Pipes inclusive of taxes, duties & other levies etc. (bidder to indicate the pipe size also)							
3.0	Unit price of pneumatically operated knife gate valve along with actuator,size 200 NB, inclusive of all taxes, duties and other levies as applicable (The price will include all associated accessories ie, solenoide, Limit switch required etc.)							
4.0	Unit price of manually operated knife gate valve (size 200 NB) inclusive of all taxes, duties and other levies as applicable							

VOLUME-III A
PRICE SCHEDULE, REV-1

Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW
NPGCL, NABINAGAR PROJECT, BIHAR
TENDER NO. PSER:SCT:NBN-M1618:14

SCH-9- OPTIONAL PRICE BREAK-UP

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	BASIC PRICE	CST (If any, as per tender)	VAT (If any, as per tender)	FREIGHT	TOTAL PRICE
		(1)	(2)	(3)	(4)	(5)=(1) + (2) + (3) + (4)
1	Price for three years of recommended spares- inclusive of all taxes, duties and other levies as applicable . Bidder to furnish list in the format along with item wise prices for adjustment purpose.					

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

Design, engineering, manufacturing, supply, erection, commissioning etc of Mill Reject Handling System for 3 X 660 MW NPGCL, NABINAGAR PROJECT, BIHAR

TENDER NO. PSER:SCT:NBN-M1618:14

SCH-10 GUARANTEED POWER CONSUMPTION Mode: Pneumatic Conveying

Sl.No.	Description / Item	Working	Standby	Power Consumption (KW) (at motor input terminal)	Duty Factor	Total Power Consumption (KW)
1	2	3	4	5	6	7 = 3 x 5 x 6
1	Conveying Air Compressor	2	1		0.66	
						Total KW
Notes						
1	If the actual power consumption exceeds the guaranteed power consumption, liquidated damages shall be payable by the Contractor at the rate of 2484 USD per KW excess power consumption, over the base guaranteed figure indicated by him in his bid. Such liquidated damages may be recovered by the Owner by deduction from the contract price or by enforcing the contract performance guarantee or in any other manner deemed fit by the Owner. For this purpose, the drives of standby equipment shall not be considered .					
2	Power consumption (KW) of air compressors shall be measured at motor input terminals when operating at the rated capacity and pressure and performed on test rig at the vendor's works and actual motor shall be used for this purpose.					
3	For bid evaluation purpose on account of guaranteed auxiliary power consumption, the same shall be loaded at the rate of 2484 USD per KW for the differential power consumption.					
3	Base aux power figure is 219 KW at duty factor 0.66					

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, supply, erection & commissioning of Coal Mill Reject System Package for, 3x660 MW NPGCL, Nabinagar Project, Bihar.	
Ref	1.0	Tender no PSER:SCT:NBN-M1618:14
	2.0	BHEL's NIT, vide reference no PSER:SCT:NBN-M1618:4029 Date : 05-11-2014
	3.0	BHEL's TCN-01, vide reference no PSER:SCT: NBN-M1618:TCN-01 Date: 20-11-2014
	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)