

Ref: BHE/PW/PUR/KNFGD-MAIN-CIVIL/2421/Corg-01

Date: 08/06/2021

To,

ALL BIDDERS,

Sub: Corrigendum-01: Issuance of clarifications, amendments and Extension of offer submission due date

Scope of Work: Civil Works of Stage-I, II & III FGD System including LHP/GHP Facility at 3x200MW+4x500MW NTPC Korba FGD Project

References:

1. E-Tender Spec No: BHE/PW/PUR/KNFGD-MAIN-CIVIL/2421

Bidders to kindly take note of the following:

AA) Issuance of amendment:

NIT Clause ref	Existing Unit	Amended Unit
ST No A-906 of CHAPTER X-2421 - BILL OF QUANTITY AND % WEIGHTAGES FOR ITEM RATES W.R.T TOTAL LUMPSUM PRICE of Volume-IA	SQM	Kg

BB) ISSUE OF CLARIFICATIONS:

Sl No	NIT Clause ref	Description	Existing provision	Bidder's query	BHEL's clarification
1.	ST No A-101 BOQ of CHAPTER X-2421			A very high weightage is attached to this item. Either this item should be removed or weightage to be	Tender conditions shall prevail.

पावर सेक्टर- पश्चिमी क्षेत्र Power Sector-Western Region
श्रीमोहनी काम्पलेक्स, 345 किंग्सवे, नागपूर Shreemohini complex, 345 Kingsway Nagpur - 440 001
फोन / Phone 0712- 2858600, फैक्स FAX: 0712-2858699 www.bhelpswr.co.in

Ref: BHE/PW/PUR/KNFGD-MAIN-CIVIL/2421/Corg-01

Date: 08/06/2021

Sl No	NIT Clause ref	Description	Existing provision	Bidder's query	BHEL's clarification
				reviewed.	
2.	ST No A-111 & A112 BOQ of CHAPTER X-2421			Both items are backfilling with sand but having difference in rates. This will create confusion at the time of execution. It is requested that there should be only one item for sand filling, or if both are there, their weightage should be reviewed.	Tender conditions shall prevail.
3.	ST No A-906 BOQ of CHAPTER X-2421			The weightage of this item is worked out wrongly or unit of measurement is wrong. This item may be removed, as alternative item A909 is available.	Tender conditions shall prevail and for Unit of Measurement, please refer this corrigendum.
4.	General	HYSD TMT Steel Cost		In BOQ item no. 402, it has been mentioned that the cost is including the cost of reinforcement steel but in Vol-IA TCC clause no 1.18.3, reinforcement steel will be provided BHEL at free of cost.	It is clarified that TMT shall be provided by BHEL at free of cost. Vendor has to draw TMT from BHEL stores/Store yard.
5.	Drawings	Building & Silo		Please provide building and silo elevation drawings for reference.	Drawings shall be provided to successful bidder progressively after award to contract.
6.	General	Item Unit		In BOQ item no A210, UPV test for concrete item, unit is given as CUM. Whereas UPV test unit is in Numbers, Please confirm.	Tender conditions shall prevail.

पावर सेक्टर- पश्चिमी क्षेत्र Power Sector-Western Region
 श्रीमोहनी काम्पलेक्स, 345 किंग्सवे, नागपूर Shreemohini complex, 345 Kingsway Nagpur - 440 001
 फोन / Phone 0712- 2858600, फैक्स FAX: 0712-2858699 www.bhelpswr.co.in

Ref: BHE/PW/PUR/KNFGD-MAIN-CIVIL/2421/Corg-01

Date: 08/06/2021

Sl No	NIT Clause ref	Description	Existing provision	Bidder's query	BHEL's clarification
7.	Technical Requirement	Supply Item Make		Supply items like sanitary, paint, door, water supply etc. make is not mentioned in Volume-II of technical Specification. Please provide the approved make of supply item.	Approved indicative vendor list enclosed along with this corrigendum.
8.	ST No A-210 BOQ of CHAPTER X-2421		Unit: Cum	We presume unit should be in Nos. & weightage may be revised. Kindly clarify	Tender conditions shall prevail.
9.	ST No A-102 BOQ of CHAPTER X-2421	Extra over ST No. 101 for dewatering of ground water by well point method as per IS 9759.		We understand that this item is not complete in itself as work of dewatering through Well Point system water table are lowered for large area by applying the pipes driven underground and made a grid of pipes inter connected with each other also connected with required capacity of pumps. To well point system, a through detail of water table and nature of soils strata wise are required to design and finalized the system and number and capacity of pumps for efficient working for lowering of water table to execute the work without encountering the water.	Tender conditions shall prevail.

Ref: BHE/PW/PUR/KNFGD-MAIN-CIVIL/2421/Corg-01

Date: 08/06/2021

Sl No	NIT Clause ref	Description	Existing provision	Bidder's query	BHEL's clarification
				Therefore, we request to remove this item and the same should be operated as an extra item if the need arises from the same with unit of measurement as KW/H.	
10	ST No A-111 BOQ of CHAPTER X-2421	Supplying and filling sand upto any depth under floors, around foundations, plinths, paving, passages, etc. in layers not exceeding 300 mm thickness and compacted so as to achieve at least 80% relative density as per IS-2720 (Part-XIV) including spreading, watering, ramming/compaction by manual / mechanical means, dressing, royalty (if any) etc. all complete.		<p>Kindly confirm whether sand are coarse or fine for filling work.</p> <p>Please also confirm whether stone dust can we used in place of sand.</p>	<p>Please refer to Vol-IE technical specifications (Section-D, clause 3.7).</p>
11	ST No A-112 BOQ of CHAPTER X-2421	Supplying and filling clean and well graded sand (conforming to IS 383 with grading zone I to III) upto any depth under floors, around foundations, plinths, paving, tank foundations, etc. in layers not exceeding 300 mm thickness and compacted so as to achieve at least 80% relative density as per IS-2720 (Part-XIV) including spreading, watering, ramming/compaction by manual / mechanical means,		<p>Kindly confirm sand is it fine sand or coarse sand.</p> <p>Please confirm can we use stone dust in place of sand.</p>	<p>Please refer to Vol-IE technical specifications (Section-D, clause 3.7).</p>

Ref: BHE/PW/PUR/KNFGD-MAIN-CIVIL/2421/Corg-01

Date: 08/06/2021

Sl No	NIT Clause ref	Description	Existing provision	Bidder's query	BHEL's clarification
		dressing, royalty (if any) etc. all complete.			
12		Weightages of BOQ Items		The weightage and percentages assigned to various items are highly skewed and imbalanced, to illustrate the same for different items, We have derived the rate of each item assuming that the total cost of the package is Rs "X" crore. It can be seen that based on the percentage weightage assigned to each item, The rates being arrived at are not correct and need to be changed. To explain it future few examples of the same areas under:-	
13	ST No 201, 202 and 203 BOQ of CHAPTER X-2421	Concrete of different grade with 40 mm Aggregate.		The rate of item no 201, 202 and 203.	Tender conditions shall prevail.
14	ST No 204 BOQ of CHAPTER X-2421	Concrete of grade M20 (1 part cement, 1.5 part sand, 3 parts of 20 mm graded aggregate by volume) under floors, paving, plinth protection, pipe encasing etc complete. (BHEL will provide Cement free of Cost as per TCC)		Item no 204 is with 20 mm aggregate which rate are coming less than rate of concrete using 40 mm aggregate.	Tender conditions shall prevail.
15	ST No 204A BOQ of	Concrete of grade M20 (1 part cement, 1.5 part sand, 3 parts of 12		Item no 204A is with 12 mm aggregate which rate are coming	Tender conditions shall prevail.

Ref: BHE/PW/PUR/KNFGD-MAIN-CIVIL/2421/Corg-01

Date: 08/06/2021

Sl No	NIT Clause ref	Description	Existing provision	Bidder's query	BHEL's clarification
	CHAPTER X-2421	mm graded aggregate by volume) under floors, paving, plinth protection, pipe encasing etc complete. (BHEL will provide Cement free of Cost as per TCC)		much more than even concrete with 40 mm aggregate as well as with 20 mm aggregate.	
16	ST No 205 BOQ of CHAPTER X-2421	Providing and laying Design Mix cement concrete conforming to IS:456 & IS 10262-2009 for reinforced concrete works with coarse sand and graded hard stone aggregate of 20mm nominal size in foundations/substructure, grade slab, paving, drains, under floors etc at all level below finished floor level, any shape, position or thickness etc complete including use of plasticizer/ superplasticizer conforming to IS:9103 (latest) to achieve required slump in concrete all complete as per specification & drawing for the following.(BHEL will provide Cement free of Cost as per TCC) a) M 25		Item no 205 is with 20 mm aggregate for which rate is coming less than rate of concrete for item no 204A as PCC with stone aggregate of 12 mm nominal size.	Tender conditions shall prevail.
17	ST No 206 BOQ of CHAPTER X-2421	Providing and laying Design Mix cement concrete of grade		As compared to the Rate of Item no 205 of Mix M-25 that is below	Tender conditions shall prevail.

Ref: BHE/PW/PUR/KNFGD-MAIN-CIVIL/2421/Corg-01

Date: 08/06/2021

Sl No	NIT Clause ref	Description	Existing provision	Bidder's query	BHEL's clarification
		conforming to IS:456 & IS 10262-2009 for reinforced concrete works with coarse sand and graded hard stone aggregate of 20mm nominal size in superstructure at all level above finished floor level, any shape, position or thickness etc complete including use of plasticizer/superplasticizer conforming to IS:9103 (latest) to achieve required slump in concrete all complete as per specification & drawing for the following.(BHEL will provide Cement free of Cost as per TCC)		Ground, rate of item no 206 of same concrete is negligible as this item is for super structure, requiring more efforts and expenditure.	
18	ST No 212 BOQ of CHAPTER X-2421	Scree concrete conforming to IS 456 with coarse sand and graded hard stone aggregate 12.5mm/6 mm nominal size on the roof at any level or thickness, drains etc complete as per following.		The rate of concrete with same material as Item no 204A is higher than the rate of this item. The man power and other resources required for screening work are much more than normal PCC work.	Tender conditions shall prevail.
19	ST No 212a BOQ of CHAPTER X-2421	a)- 1:2:4 (1 part cement, 2 part sand, 4 parts of aggregate by volume) (M15)			
20	ST No 212b BOQ of CHAPTER X-2421	b)- 1:1.5:3 (1 part cement, 1.5 part sand, 3 parts of aggregate by volume) (M20)			

Ref: BHE/PW/PUR/KNFGD-MAIN-CIVIL/2421/Corg-01

Date: 08/06/2021

Sl No	NIT Clause ref	Description	Existing provision	Bidder's query	BHEL's clarification
21	ST No 301 BOQ of CHAPTER X-2421	Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface below finished ground floor level for foundations, footings, base of columns, walls, columns, pilasters, beams, mass concrete, trenches etc.including chamfering of edges as per drawing, specification and instruction of engineer in charge.		Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface below finished ground floor should be changed to existing ground level for foundations, footings, base of columns, walls, columns, pilasters, beams, mass concrete, trenches etc. including chamfering of edges as per drawing, specification and instruction of engineer in charge..	
22	ST No 302 BOQ of CHAPTER X-2421	Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface above finished ground floor level for columns, beams, suspended floors, roofs, lintels, cantilevers, staircases, landings, balconies, etc. including chamfering of edges as per drawing for all heights as per specification, drawing and instruction of engineer in charge.			Tender conditions shall prevail.
23	General			Kindly provide the detail of buildings which is in RCC and in steel Structure. Also provide the approximate height of building and	Drawings shall be provided to successful bidder progressively after award to contract.

पावर सेक्टर- पश्चिमी क्षेत्र Power Sector-Western Region
 श्रीमोहनी काम्पलेक्स, 345 किंग्सवे, नागपूर Shreemohini complex, 345 Kingsway Nagpur - 440 001
 फोन / Phone 0712- 2858600, फैक्स FAX: 0712-2858699 www.bhelpswr.co.in

Ref: BHE/PW/PUR/KNFGD-MAIN-CIVIL/2421/Corg-01

Date: 08/06/2021

Sl No	NIT Clause ref	Description	Existing provision	Bidder's query	BHEL's clarification
				floor to Floor height.	

CC) Extension of Last Date for Offer Submission:

The last date for submission of Tender has been re-scheduled to 14/06/2021, 13.00 hrs.

Technical Bid shall be opened on 14/06/2021 at 17.00 hrs.

=====

All other Terms and conditions of the Tender Specification shall remain unaltered unless expressly amended by BHEL in writing. Bidders are requested to submit as a part of their offer, a copy of this corrigendum duly digitally countersigned by the authorized signatory as a token of Bidder's unqualified acceptance of this corrigendum.

BIDDERS MAY PLEASE NOTE THAT SUBJECT TENDER IS E-TENDER AND THE OFFER IS TO BE SUBMITTED ONLY IN E-PROCUREMENT PORTAL → www.eprocurebhel.co.in

BIDDERS WHO HAVE ALREADY SUBMITTED THEIR OFFERS PRIOR TO ISSUANCE OF THIS CORRIGENDUM IN E-TENDER PORTAL ARE REQUIRED TO RESUBMIT THEIR OFFER AFTER TAKING COGNIZANCE OF THIS CORRIGENDUM.

Thanking you,
 Yours faithfully,

AGM (Purchase)

Enclosure: Annexure-A: Indicative Vendor list for civil BOI,

INDICATIVE VENDOR LIST

 PROJECT: PACKAGE: FGD MAIN SUPPLIER: CONTRACT NO.:	Indicative Vendor list for Civil BOI				NTPC DOC NO	
	SUB SYSTEM: CIVIL WORKS				REV. NO.	
					DATE	
SR. NO.	ITEM	QAP / INSP. CAT	QA P NO.	PROPOSED SUB SUPPLIER	PLACE OF MANUFACTURING	APPROVAL STATUS / CATEGORY
1.	CEMENT		-	BIS APPROVED SOURCES HAVING VALID BIS LICENCE	-	-
2.	CONSTRUCTION CHEMICALS, WATER PROOFING COMPOUNDS AND GROUTS		-	SIKA INDIA LTD	-	A
				CICO TECHNOLOGIES LTD	-	A
				FOSROC CHEMICALS (I) PVT LTD	-	A
				BUILTECH PRODUCTS INDIA PVT. LTD	ALWAR	A
				HINDCON CHEMICALS LTD	HOWRAH	A
				BASF	-	A
3.	PAINT AND PAINTING SYSTEM (On Masonry, Concrete & Wooden Structures)		-	BERGER	-	A
				SHALIMAR PAINTS	-	A
				JENSON AND NICHOLSON	-	A
				KANSAI NEROLAC	-	A
				(DULUX) AKZO NOBEL	-	A
				ASIAN PAINTS	-	A
4.	PAINT AND PAINTING SYSTEM (On Steel Structure)		-	BERGER	-	A
				SHALIMAR PAINTS	-	A
				KANSAI NEROLAC	-	A
				AKZO NOBEL	-	A
				CARBOLINE INDIA PVT. LTD	CHENNAI	A
				ASIAN PAINT PPG	-	A
5.	COLOUR COATED SHEET (FOR COIL)			BHUSHAN STEEL AND STRIPS LTD.	RAIGAD	A
				ESSAR STEEL LTD	PUNE	A
				NATIONAL STEEL & AGRO INDUSTRIES LTD	DHAR	A