

Corrigendum 3 dated August 21, 2021 to Tender Specification BHEL PSSR SCT 1979 for the works of Part A: Balance works for Civil, Structural and Architectural works of various buildings/structures including Ground improvement works (Inside plant boundary) and Balance works for construction of RCC Chimney and Part B: Providing, installing and handing over of two covered coal sheds covering three coal stock piles using tubular steel sections conforming to IS 1161 / IS 4923 and Steel structural sections conforming to IS 2062-2006, Roof monitor if required shall be provided on full length as per the requirement. Scope is inclusive of Design, supply, fabrication, welding, handling, assembling & erection in position of tubular space frame structure or Steel framed structure, cladding sheets (roof and side sheeting) and handing over to customer (as per specification) At 2 X 660 MW Ennore SEZ TPP (Unit 1 and 2)

A. Some of the Bidders had raised queries on the published tender Specifications. The clarifications are furnished below:

Sl. No.	Reference Clause No.	Bidder Query	BHEL reply
1)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Item at Ref. No. 404	Item No. 404 pertaining to Epoxy coating to reinforcement. Hence, all reinforcement received from BHEL has to be coated with Epoxy. Here, our understanding is that the scrap, cut length, full length of some quantity will be epoxy coated rods while returning to BHEL store, which will be accepted by BHEL. Please confirm	Bidder's understanding is correct.
2)	Volume-IA, Technical Conditions of Contract (Volume I Book I) Part-I, Chapter-III Facilities & Consumables In The Scope Of Contractor / BHEL (Scope Matrix) Clause 1.3.12 (Pg. 20/683 of pdf file SCT1979TCCPart1of3.pdf)	As per terms and conditions, IT facilities provided as per P20/ 683 will be the contractor's property on completion of the work. Also, there is no rate schedule available for this. Please confirm	Bidder's understanding is correct. Bidder may quote accordingly.

Corrigendum 3 dated August 21, 2021 to Tender Specification BHEL PSSR SCT 1979

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3)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Item at Ref. No. 2508	Test load on piles to be tested is given in numbers in BOQ. Kindly provide the load in MT to be applied on the piles for vertical load testing/ lateral load testing for each and every diameter of the pile to ascertain the rates.	Diameter wise approximate Test load on piles shall be as mentioned below: a. 760 mm dia - 250 MT (Vertical) and 10.5 MT (Lateral) b. 600 mm dia - 150 MT (Vertical) and 7.2 MT (Lateral) c. 550 mm dia - 90 MT (Vertical) and 6.25 MT (Lateral)
4)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Items at Ref. No. 2301, 2301(a), 2301(b)	As per Item No.2301, 2301(a), 2301(b) structural steel fabrication is including two coats of primer painting (one coat at shop and one coat after erection), whereas item no, A2302.0 specifies that it is extra over and above instead of two coats of primer. Hence, it is understood that there will not be any deduction in rate for not applying two coats of primer in item of 2301, 2301(a), 2301(b). Please clarify.	2 coats of red oxide zinc-chromate primer (one coat at shop and one coat after erection) has to be provided under Items No. 2301, 2301(a), 2301(b). Differential cost shall be payable under item 2302 and A2302 for providing primer as per respective item description instead of primer coat of red oxide zinc-chromate.
5)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Item at Ref. No. 2301.0	Item no, 2301.0 specifies Supply, Fabrication and Erection. But, it also specifies that collection of material from BHEL stores and return of excess materials back to stores. When the item is including the supply of materials, then what are the material to be collected from BHEL stores, also, what are all the materials to be returned to the stores. Please clarify.	Item 2301 includes supply of material by the contractor. The stores referred in the item description implies contractors' stores and therefore, no material is to be collected from/ returned to BHEL stores.
6)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Items at Ref. Nos. A213 (a), (b) & A213(c)	Item nos. A213 (a), (b) specifies that it is including top surface rendering with CM 1:3 whereas item no. A213 (c) also specifies only for rendering the top surface of concrete with CM 1:3 Our understanding is that, there will not be any reduction in rate for rendering the top concrete surface in item no A213 (b) but it will be paid in Item no A213 (c). Please clarify	Items A213 (a), (b) are applicable for Providing and laying Design Mix cement concrete in precast works including rendering the top surface of concrete with CM 1:3 whereas Item A213 (c) is applicable for only rendering the top surface of concrete with CM 1:3 for already executed pre cast works at site but rendering not completed.

Corrigendum 3 dated August 21, 2021 to Tender Specification BHEL PSSR SCT 1979

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7)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Items at Ref. Nos. 401 & 402	Item no 401 & 402 specifies that it is including providing, straightening, cutting, bending and placing of reinforcement i.e, with contractor's materials, The same item also specifies that transportation to & from stores. Our understanding is that, there will not be any material required to be transported to and from BHEL store, since all the materials are under Contractor's scope. Please clarify.	Item 401 & 402 includes providing of material by the contractor. The stores referred in the item description implies contractors' stores and therefore, no material is to be transported to and from BHEL stores.
8)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Items at Ref. Nos 401, 402, 402A, 16(i)(a), 16(B)(b), 404, 16(a)(i)(a), 16(a)(ii)(a), 16(a)(ii)(b)	Item no 402A & item no 16(i)(a), 16(B)(b) specifies that transportation of reinforcement from BHEL stores and contractors supply of reinforcement for Item no 401 & 402 and Item no 16 A (ii)(a) which includes cutting, bending, and placing in position including contractor's scope of providing MS binding wire. Also, Item no 404 specifies that extra over 401, 402, 402A for providing fusion bonded epoxy coating to BHEL supply of reinforcement steel and also contractor supply of reinforcement steel as per Item no 401 & 402 including supply of PVC coated binding wire. Our understanding is that there will not be any reduction in rate in Item No. 401, 402 & 402A for not providing MS binding wire, when PVC coated binding wire is provided as per Item No 404 for fusion bonded epoxy coating. Please clarify.	Contractor has to supply the binding wire under items 401, 402 & 402A. However, item 404 is Extra over ST No. 401, 402, 402A for providing fusion bonded epoxy coating including providing PVC coated binding wire.
9)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Item at Ref. No. 30	Item No 30 in chimney portion, supply of material will be BHEL scope or Contractor's scope. Please clarify.	For item no. 30 under head - Chimney works, SS liner shall be supplied by BHEL. Pls refer Sl. No.8 of corrigendum 1 dated August 11, 2021.
10)	Volume-II, Price Bid	Item No. 31 (b) lead sheet thickness be specified as it is related to material cost according to its thickness.	Since the Unit of measurement of item is kg for item 31 (b), vendor may quote the price

Corrigendum 3 dated August 21, 2021 to Tender Specification BHEL PSSR SCT 1979

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	Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Item at Ref. No. 31 (b)		accordingly irrespective of lead sheet thickness.
11)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Item at Ref. No. 64	Item no 64 in Chimney portion, specifies that conducting load testing on girders for 1.25 times of the full load. The full load value may be mentioned as it is related to cost estimation.	The full load may be considered as approx. 230T. The test has to be carried out for 1.25 times the full load. However, further details shall be furnished during detailed engineering.
12)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Item at Ref. No. 66.0	Item No 66.0 specifies that Supply and Erection of Elevator from GL to top of Chimney. Hence, Chimney height to be furnished. Please clarify.	Total height of Chimney above grade level : 275m as specified under clause 12.03.01 - General - Volume-VI(A): Civil, Structural & Architectural Works. (Chapter -2 in Part II of Volume -IA Technical Conditions of Contract). Chimney elevator with provision of landing at chimney ground floor, chimney platform @ EL 35.00 m, EL 70.00 m, EL 105.00 m, EL 145.00 m, EL 185.00 m, EL 225.00 m and EL 265.00m. Vertical travel shall be from chimney ground floor to internal platform @ EL 265.00 m.
13)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Item at Ref. Nos. 23.0, 25.0 & 26.0	Item no 23.0 & 26.0 chimney portion specify that, the structural steel work include transport of material from BHEL stores, Fabrication, Erection including bolts. But, Item No. 25 specifies providing bolts of 8.8 grade. Hence, our understanding is that there won't be any reduction in rate for not providing 8.8-grade bolt in Item no 23.0 & 26.0, as it is going to be measured under item no. 25.0. Please clarify.	Bidder's understanding is correct.

Corrigendum 3 dated August 21, 2021 to Tender Specification BHEL PSSR SCT 1979

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14)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Items at Ref. Nos. 25.0, 27.0	Item no. 27.0 chimney portion specifies that the structural steel work include supply of material, fabrication, erection, including bolt. But Item no 25 specifies providing bolt of 8.8 grade separately, Hence, our understanding is that there won't be any reduction in rate for providing, 8.8 grade bolt as it is going to be measured under Item no.25.0. Please clarify.	Bidder's understanding is correct.
15)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Items at Ref. Nos. 701, 702, 704, 705 and Items at Ref. No 26, 27, 28, 29, 30	Item No 701, 702, 704, 705 and Item No 26, 27, 28, 29, 30 specifies that it includes bolts and nuts. But there is a separate item for supply of bolt and nut as per item no 2310.0 & 2311.0. Hence, our understanding is that there won't be any reduction in rate for item no 701, 702, 704,705 for not providing bolt and nut. Please clarify	BOQ item no. 701 & 702 is not applicable for bolts and item no. 704 & 705 are only applicable for bolts. Item no. 2310 & 2311 are applicable for Supply and fixing of Bolt and nuts for structural steel work for which the payment shall be made separately as per the respective item of 2310 & 2311. Item no. 704 & 705 is applicable for concrete works for which the cost of nut and bolt is inclusive in the item rate and bidder shall necessarily supply the nut and bolt for this items.
16)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Item at Ref. Nos. A 2011/2010 & 2009	Item No A 2011/2010 & 2009 specify that providing Supply, Fabrication and Installation of MS gates including necessary all guides, rails etc Our understanding is that all supplied materials like gates, guides, rails will be measured for payment. Please clarify.	Bidder's understanding is correct.
17)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part A" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_A", Item at Ref. Nos. 111.0 and 11	Item No 111.0 and 11 of Chimney specify that supply and filling of Floors, around foundation, below grade slab is with sand. It is allowed M-sand in place of natural sand for concrete as per this tender condition without any cost impact on either side. Our understanding is that, the same condition will hold good for Floor filling, ground foundation	As already mentioned under TCC (Vol IA Part-I: Contract specific details Chapter-III) clause no. 1.3.6.1.5, Fine aggregate source shall be manufactured crushed stone or rock sand commonly known as M-sand.... thus vendor has to quote for M-sand for utilisation

Corrigendum 3 dated August 21, 2021 to Tender Specification BHEL PSSR SCT 1979

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		filling and below grade slab filling with M-sand in place of river sand. Please clarify	in concrete, Floor filling, ground foundation filling and below grade slab filling works.
18)	Volume-II, Price Bid Part C : Bill of Quantities pertaining to "Scope of Works-Part B" titled "Tender Specification BHEL:PSSR:SCT:1979_PART_B", Item at Ref. No. Item No 1	Item No 1 for Engineering, Construction, Procurement, supply and construction of 2nos of Structural covered shed for coal stock piles shows elliptical curvature in elevation as per tentative drawing attached with this tender. Since, this is an EPC contract, the shape of the Structure may be anything as per the design without compromising the design parameters and without any cost impact on either side. Please clarify.	Profile shown in elevation as per drawing is tentative. Final profile shall be as per approved design and shall be selected in such a way that structure shall not interfere with the machines and their clearances. Clearance of 1.5 meter to be maintained from the equipment / machines.
19)	Volume-IA, Technical Conditions of Contract (Volume I Book I) Part-I, Chapter-VII Terms of Payment Clause 1.7.2 Advance for Mobilization	We request you to provide us mobilization advance of 10% of the Contract value.	Tender condition prevails.
20)	Volume IC Book II General Conditions of Contract Clause 2.22 Retention Amount	<u>Query 1:</u> We request you to release the Retention money after the completion of the project after submission of the Bank guarantee which will be valid upto DLP. <u>Query 2:</u> We request you to consider the release of retention money against submission of Equivalent BG valid till Final Bill instead of Cash Retention	Tender condition prevails.

ALL OTHER CONDITIONS REMAIN UNCHANGED.

BIDDERS ARE REQUESTED TO CONSIDER THIS CORRIGENDUM AS PART OF TENDER SPECIFICATION AND QUOTE ACCORDINGLY.

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(Gurupriya L)
Manager/SCT