

Some of the bidders had raised queries in the published tender specification. The Clarifications issued by BHEL are furnished below:

Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Query	BHEL's clarification
1	TCC Volume 1A Part 1- Chapter II Clause No. 1.2.6	During the course of execution of work, certain rework / modification /rectification / repairs / fabrication etc will be necessary on account of feedback from various relevant source, and also on account of design discrepancies/ alterations, manufacturing defects, site operations/ maintenance requirements. Contractor shall carry out such rework / modification /rectification / fabrication / repairs etc promptly and expeditiously. Daily log sheets indicating the details of work carried out, man-hours etc shall be maintained by the contractor and got signed by BHEL engineer every day. Claims of contractor, if any, for such works will be dealt as per conditions of contract and payments will be released as per the agreed rates.	It is mentioned repair/fabrication etc. as this is an erection contract, please confirm the approximate quantity of fabrication.	Bidder to quote as per standard practice.
2	TCC Volume 1A Part 1- Chapter V Clause no. 1.5.1 serial no. 10 and clause no. 1.5.19.1	It is mentioned that induction heating machine with all accessories	Please confirm that induction heating machine will comprise the following: Main panel, capacitor panel, inter connection power control cable between panel, 185 sq. mm special connecting cables from capacitor panel output.	The induction heating machine will comprise the following: Main panel, capacitor panel, inter connection power control cable between panel, 185 sq. mm special connecting cables from capacitor panel output.
3	TCC Volume 1A Part 1- Chapter IV Clause no. 1.4.2 sl no. 8 and Chapter V clause no. 1.5.1 serial no. 3 and clause 1.5.19.5	Stand by diesel generator for P-91 welding.	1) As per serial no. 8 it is in the scope of contractor, however, as per serial no. 3 and clause 1.5.19.5 it is to be provided by BHEL free of cost, please confirm which is correct.	BHEL shall provide Stand by diesel generator for P-91 welding free of cost. Contractor need not deploy diesel generator for P-91 welding. TCC Volume 1A Part 1- Chapter IV Clause no. 1.4.2 sl no. 8 stands deleted.

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			2) Please clarify the whether DG set for P91 welding is to be provided by the bidder or M/s. BHEL as in Chapter-V sl.no. 3 it is mentioned that "250/500 KVA DG set for Standby Power for P91 welding shall be supplied by M/s. BHEL free of cost. Please confirm.	
4	TCC Volume 1A Part 1- Chapter XVII Clause 1.18.1.5 and clause 1.18.2.3	<p>1.18.1.5) All the exposed metal parts of the equipments including piping, structures, hangers etc., whereverAfterwards the above parts shall be finished with as per the instructions of BHEL/Customer official.</p> <p>1.18.2.3) Mostly the equipment / items / components will be supplied with one coat ofsuitable approved primer and finish paint matching with shop paint / approved final colour.</p>	<p>As the primer and one coat of final paint is to be applied in BHEL workshop, please confirm that in which area the primer shall be applied by contractor. Moreover only the final paint is in the contractor scope.</p> <p>If primer has to be applied at some area please confirm the approx.. quantum of work.</p>	Bidder to quote in line with standard practice followed in any power project.
5	TCC Volume 1A Part 1- Chapter IX Note 11 (a&b) of Note to Clause 1.9.1	<p>The welding joints indicated in the welding schedule in Volume I Part II Chapter 2 is typical for an 800MW supercritical boiler. However, following points to be noted,</p> <p>a. Quantity of welds (joints) for platen superheater coils S-33 ckts will be nearly double of the quantity given in the welding schedule.</p>	<p>We did not find the number of weld joint specifically for platen super heater and re-heater coils in welding schedule. Please confirm.</p>	TCC Volume 1A Part 1- Chapter IX- SI No. 11 (a&b) of Note to Clause 1.9.1 and TCC Volume 1A Part 2- Chapter 2- SI No. 1 of Note to Welding Schedule stands deleted.

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		b. Quantity of welds (joints) for reheater coils R-04 weld joints will be 1.5 times the quantity given in the welding schedule.		
6	Volume-IA Part-II Chapter 1 Sr. no. 2(correction/ revision in SCC and GCC)	Price variation compensation	Please confirm the maximum ceiling limit of PVC.	There is no maximum ceiling limit.
7	TCC Volume 1A Part 1- Chapter XV Clause 1.15.3	Welding of pressure parts, high tensile structural steel, Piping shall be done by certified high pressure welders who possess valid certificate and who are approved by BHEL Engineer. Links & Pipes for interlinking SH headers & RH headers are supplied with P91 materials.	Please confirm the approximate joints of P-91	Number of joints is available in the Welding schedule furnished in TCC Volume-IA Part II Chapter 2.
8	TCC Volume 1A Part 1- Chapter IV Sr. No. 5 of Clause 1.4.2	Trailer greater than 60 MT capacity	<ol style="list-style-type: none"> 1) We presumed that all materials weighing more than 60 MT is directly unloaded at site only 2) As per tender condition bidder responsibility is to deploy Trailer greater than 60T 1 No. But individual PG wise weight is not given. Pls furnish the list of equipments weighing above 60MT as an single piece for calculating required trailer capacity and months 	Clause to be modified as: Bidder Responsibility is to deploy Trailer of 60T capacity- 1 No. Expected weight of all items are below 60 MT
9	TCC Volume 1A Part 1- Chapter XVII Clause 1.17.48	After floating of safety valves inclusive of all these factors also	Please confirm the following: 1. a) Period from trial run to handing over	Bidder to quote in line with standard practice followed in any power project.

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			2. b) Manpower requirement in shift / maydays 3. c) Period of stabilization	
10	TCC Volume 1A Part 1- Chapter IX Clause 1.9.1.2	Weight of steel structure of bunker bay etc. are given	Please confirm that the fabrication or erection of bunker/hopper is excluded from the scope of contractor.	Fabrication or erection of bunker/hopper is excluded from the scope of contractor.
11	TCC Volume 1A Part 1- Chapter XIV Clause 1.14.1.24	Plate / Pipe shoes for piping supports shall be fabricated at site by the contractor at no extra cost. Other supports namely Hangers, U-clamps etc., shall be supplied by BHEL duly bent and threaded. Assembly and necessary cutting work etc., shall be carried out at site by contractor within the quoted rate.	Please confirm the approx. quantum of work of plate / pipe shoes for piping supports to be fabricated	Area cannot be specified at this stage. Bidder to quote in line with standard practice followed in any power project.
12	TCC Volume 1A Part 1- Chapter X Clause 1.10.1.1	BOCW Act & BOCW Welfare Cess Act BHEL shall recover an amount of 1% (one percent) from every RA Bill of the contractor towards BOCW Welfare Cess Act 1996 and shall be remitted to the Authority by BHEL by way adjustment of BOCW Cess recovery by customer. Amount will not be recovered from the contractor only on production of a certificate of no deduction from labour authorities.	There is a legal opinion to M/s BHEL by The Advocate General of India Mr. GE Vahanvati in 2011, that BOCW Act is applicable to only civil works and not applicable to BTG packages	Tender condition prevails.
13	TCC Volume-1A, Part-I, Chapter-V	Welding Electrodes for P91 welding.	Please confirm that Welding Electrodes and Filler Wire for P91 welding from BHEL manufacturing unit shall be supplied to us free of cost at site.	Materials (Welding Electrodes and Filler Wire for P91 welding) provided by BHEL units shall be passed down to Contractor.
14	TCC Volume-1A, Part-I, Chapter-IX	Auxiliary Boiler Piping.	Please confirm that scope of work of Boiler excludes the Main Boiler Piping work like P91, HP, LP piping. Only in PGMA detail description Auxiliary Boiler	Main boiler piping works are not in the scope of the contract.

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	Clause 1.9.1.2 Detailed (PGMA wise) BOQ		Piping work (PGMA 80 – 56 MT) is shown in TCC. Please confirm. Please also separate the different category of piping involved in Auxiliary Boiler Piping work – 56 MT like P91, HP, LP in Rate Schedule, so that we can put our proper elementary cost in different types of piping work.	P91 welding is not envisaged for auxiliary boiler piping works. Details cannot be specified at this stage. Bidder to quote as per tender specifications.
15	TCC Volume-1A, Part-I	Involvement of Temporary Piping for Chemical Cleaning.	Please specify the involvement of temporary piping work required for Chemical Cleaning in MT and the applicable Rate Schedule for installation work of Temporary Piping work.	Refer TCC- Volume-1A, Part-I, Chapter-IX -Note to clause 1.9.1- Sl No. 3 and Chapter-XVI-clause 1.16.11
16	TCC Volume-1A, Part-I, Chapter-IX Clause 1.9.1.1 PG 67	PG 67- Bunker – 100 MT.	Please confirm whether apart from Bunker Structure, Bunker Shell Erection or Assembly work of bunker is involved in this Package or not. If erection of Bunker Shell is in Bidder's scope of work, please confirm the type of Bunker required to be erected and all material required for Bunker erection shall be supplied to us in Pre-Fabricated condition.	Fabrication or erection of bunker/hopper is excluded from the scope of contractor. TCC Volume-1A, Part-I, Chapter-IX, Clause 1.9.1.1 PG 67-'Bunker 100MT' is to be changed as 'Feeder assembly-100 MT'

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17	TCC Volume-1A, Part-I, Chapter-IX Sl. No. XX	HV Rectifier Transformer – E&I items.	Please confirm that Electrical& Instrumentation items like HV Rectifier Transformer – mentioned in detail PGMA Schedule shall limited to erection and alignment of the transformer only. No testing, commissioning activity related to E&I items is involved in Bidder's Scope of Work.	Refer TCC- Volume-1A, Part-I, Chapter-IX- Note to clause 1.9.1- Sl No. 4
18	TCC Volume-1A,Part-I, Chapter- X Clause- 1.10.2.14	If applicable, all boiler, piping layout drawings received from BHEL for pipeline erection to be submitted to Boiler Inspector for approval. After approval of the above drawing, Erection of pipe line to be started. Inspection fee and registration fee as mentioned in Chapter VIII of Special Conditions of contract (Volume-IB in Volume-I Book-II) shall be paid by BHEL.	We presumed all drawing approval will be in the scope of BHEL and scope of bidder is limited to for getting approval from IBR authorities for erection works only. The statutory fees and incidental expenses shall be borne by BHEL	Erection approval from local IBR is in contractor scope. Only statutory fee will be borne by BHEL.
19	TCC Volume-1A,Part-I, Chapter- XII Clause- 1.12.7	Total grouting of the columns/equipments including pocket grouting, grouting at the gap between foundation and base plates top surface of column/equipments is in the scope of the contractor. The quoted rate shall inclusive of the same.	Pls confirm the tentative requirement of grouting cement in MT	Bidder to quote as per standard practice.

**Bidders are requested to consider this corrigendum as part of tender specification and quote accordingly.
All other conditions of the tender specification remain unchanged.**

-Sd-
Senior Engineer/ Sub Contracts