

CORRIGENDUM-3 TO TENDER SPECIFICATION BHEL: PSSR: SCT: 2062

Sub: Erection, Testing, Commissioning & Trial Operation of Steam Turbine, Turbo Generator & auxiliaries including Bought Out Items for Package-1 (Unit-1) & Package-2 (Unit-2) at 2X660MW Ennore SEZ Supercritical Thermal Power Project at Ash Dyke of NCTPS, Tamilnadu

A. The following clarification has been sought in regard to subject tender and BHEL's reply is furnished below for information:

Sl.no.	Reference clause of tender document	Existing Provision	Bidder query	BHEL's Clarification
1	TCC, Vol-1A, Part- 1, Chapter-II, Scope of Work, Sl.no. 1.2.3.1.13. Vol-1A Part-I, Chapter IX Bill of Quantity 1.9.1 Weight schedule Vol-1A, Part-XIII, Material Handling, Sl.no.1.13.3	Sl.no.1.2.3.1.13 Shifting of all materials including ODC consignments from BHEL/Shed to Site... Sl.no.A.1.123-LP turbine, Weight-104000KGs Sl.no.A.1.127 IP turbine, Weight-175000 KGs Sl.no.1.13.3 ODC consignments will be unloaded near to erection site (Power House).	Considering the site condition, we request BHEL to provide 350T crane for loading of IP turbine and similar heavy ODC items. If this scope falls under Bidder scope then the target price will be higher than usual.	Tender condition prevails. Bidder to quote accordingly.
2	Vol-1A,Part-I,Chapter-XVI, Hydraulic test,	Sl.no.1.16.1 ... Water for hydraulic testing will be provided by BHEL at free of cost...	We consider DM water will be provided for Hydraulic testing of Condenser Shell side, FST/Deaerator, CW and ACW piping.	Clause is self-explanatory. For clarity, it is reiterated that DM water will be provided by BHEL free of cost for Hydro Test of DM water circuit and equipment coolers. For Hydro Test of CW/ACW piping, clarified water will be provided by BHEL. Accordingly tender condition prevails
3	Vol-1A,Part-I,Chapter-XVI,Hydraulic test,	1.16.32 Pressurized Hydraulic test of Concrete Volute Chamber for CV-CWP is also covered under the scope of this contract within the quoted rates.	a) Please clarify the scope of Hydro test. We presume Hydraulic test is for CW piping from the CV pump to BFV near CW Pump house-supply line. b) We also presume in that case, DM water for Hydraulic testing will be provided by BHEL free of charge basis.	a) Hydro test of the equipment and piping erected by the agency is covered in their scope. Accordingly, tender condition prevails. b) DM water will be provided by BHEL free of cost for Hydro Test of DM water circuit and equipment coolers. For Hydro Test of CW/ACW

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				pipng, clarified water will be provided by BHEL. Accordingly tender condition prevails
4	Vol-1A,Part-I,Chapter-XVI,Hydraulic test,	Sl.no.1.16.5, 1.16.6,1.16.8,1.16.15,1.16.21,1.16.22,1.16.25,	We presume the scope of hydraulic testing of the mentioned clause will fall under Power Cycle Piping/ Boiler agency and exclusive of STG contract. Please clarify.	Clauses referred herein are to be read in conjunction with Clauses in CHAPTER II – SCOPE OF WORKS, VOLUME-IA, PART-I. However, for clarity, it is reiterated that Hydro Test of the equipment and piping erected by the agency is covered in their scope. Accordingly tender condition prevails
5	Vol-1A,Part-I,Chapter-III,Facilities in the scope of Contractor/BHEL	Sl.no.1.3.1.3 Water Supply, Sl.no.1.3.1.3.1; 1.3.5 Construction water	We have considered construction water for Grouting and curing purpose. We have not considered construction water for Hydraulic testing purpose. For Hydraulic testing purpose of Equipment/Piping, DM water has to be arranged by BHEL on free of charge basis.	Please refer BHEL's clarification in Sl.No. 2 above.
6	Vol-1A,Part-I, Chapter-XVII, Testing and Commissioning,	Sl.no.1.17.12,13,14,15,16,17,18,19,20,21,22,23,24,40,41,42,62,68	We presume the activities mentioned the clause are related to PCP and Boiler agency and exclusive of STG contract. Please clarify.	Clauses referred herein are to be read in conjunction with Clauses in CHAPTER II – SCOPE OF WORKS, VOLUME-IA, PART-I, for clarity. Accordingly tender condition prevails
7		Dragging of Generator Stator...	1) After visiting the site, it was observed that, dragging distance between unloaded position and Lifting position of Stator #1 is around 80mtr and Stator #2 is around 200mtrs. We request BHEL to support by provide	Tender conditions prevails. Bidder to quote accordingly

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			<p>concrete access road facility for dragging purpose or else opting other method will increase price.</p> <p>2) Anchoring Point for providing for Dragging in not available at site. Civil agency should provide the same before Dragging. If this scope falls under Bidder scope then the target price will be higher than usual.</p>	
8	TCC, Volume-1A, Part-1, Chapter-V, T&Ps to be deployed by BHEL	Sl.no.1.5.7.1.2 Maintenance of the BHEL own cranes... However, consumables for the maintenance of BHEL own cranes ...	We request to exclude this scope of provision of these items from contractor. For usage of crane, contractor is providing fuel. The cost of the listed maintenance items of the heavy cranes are on the higher side and increasing abnormally every year.	Tender condition prevails.
9	TCC, Volume-1A, Part-I, Chapter -VI, Time schedule; Sl.no.1.6.6 Guarantee Period GCC, Chapter-I,1.10 Security Deposit, Sl.no.1.10.6	The validity of Bank Guarantees towards Security Deposit shall be initially up to the completion period as stipulated in the Letter of Intent/ Award + Guarantee Period + 3 months...	<p>We request BHEL to consider validity of Bank Guarantee as LOI+ 3months and exclude Guarantee Period. As the Guarantee period is 24 months, the bank finance charges add more financial implication on the costing part.</p> <p>If the Project is extended due to delays, the existing clause will directly extend the validity of B.G also with certainly long tenure.</p> <p>Hence considering the matter of fact we request to revise the clause accordingly.</p>	Tender condition prevails.

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10	TCC,Volume-1A,Part-1,Chapter-V,T&Ps to be deployed by BHEL on sharing Basis	Sl.no.1.5.5 EOT crane; Sl.no.1.5.5.1 ... Construction power towards using EOT crane will be provided to the contractor on chargeable basis as per clause 1.3.4...	EOT crane is used on shareable basis by PCP agencies and STG agency. In that case, we request you to advice distribution of cost of power usage between the agencies.	Clauses referred herein are to be read in conjunction with Clauses in CHAPTER II – SCOPE OF WORKS, VOLUME-IA, PART-I, for clarity. Accordingly tender condition prevails.
11	TCC,Volume-1A,Part-1,Chapter-XV, Welding, Heat Treatment, Radiography,	Sl.no.1.15.38 BHEL Engineer reserves the right to alter the quantum of radiography of joints without any additional cost.	In the existing project packages at other regions, we had incurred heavy additional expenses due to imposing of additional QC procedures at site. There is huge cost difference such works which is not envisaged during tender estimate, hence adding financial burden on contractor. Thereby we request BHEL that the quantum of Radiography to be remained as fixed. Also, we request not to impose special/additional procedures which can increase the quantum of work as this will increase the cost on us. Else we request BHEL to consider suitable compensation under mutual discussion for additional works related to QC/QA.	Tender condition prevails.
12	GCC (Document No. PS: MSX: GCC. Rev 02), up-to Amend 05-SR,2021; Chapter-2, 2.12 Over run Compensation,	Sl.no.2.12.3 ORC during extended period...	We request BHEL to advice the time period to be considered for over run period. With our previous and current experience, we would to highlight that there have been abnormal delays in the projects which aren't attributable to Contractor. The rates quoted are for work completion within the contract period and to a maximum of 3-4 month over stay period only.	VOLUME-IA PART-I CHAPTER - VI TIME SCHEDULE may be referred for the contract period. Clause 2.12 of GCC may be referred for ORC. Bidder to quote accordingly

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13	GCC (Document No. PS: MSX: GCC. Rev 02), up-to Amend 05-SR,2021; Chapter-2, 2.12 Over run Compensation	Sl.no.2.12.3.5 The maximum of ORC payable.... Rs.5,00,000/-	<p>We request BHEL to advice the time period to be considered for over run period.</p> <p>With our previous and current experience, we would like to highlight that there have been abnormal delays in the projects which aren't attributable to Contractor. The rates quoted are for work completion within the contract period and to a maximum of 3-4 month over stay period only.</p> <p>For any package during the extended period even to retain minimum of 10 manpower the following expenses are incurred;</p> <ol style="list-style-type: none"> 1. Labour licence 2. WC policy 3. BOCW license charge 4. Insurance for workmen, staff 5. Cost for Maintaining T&Ps 6. Local work expense/Tips 7. BG & Finance/Bank charges 8. Security agency cost 9. Water charges 10. Electricity Charges-Living purpose 11. 3rd party inspections 12. Medical expenses 13. Freight & transportation cost 14. Fuel & lubricants cost <p>The minimum amount of Rs.1.0 lakh to Rs.5.0 lakh is not all sufficient to meet the above expenses. We request to consider increase of the ORC value.</p>	Tender condition prevails.

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14	GCC,2.15 Extra works. Sl.no.2.15.5 & 2.15.6	2.15.5 After eligibility of extra works... will be at Rs.108/- per man hour.	The Manpower hour rate is very low considering the current experience of works being executed at Project sites. Hence, we request to increase the rate.	Tender condition prevails.

Note:

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

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Amit Shukla
Dy. Manager / SCT