

**TITLE**

4 X 270 MW BHADRADRI TPS
TECHNICAL SPECIFICATION FOR
CW/RW/PW CHLORINATION PLANT

SPECIFICATION NO.

PE-TS-411-174-A001

VOLUME: II B

REV 00

SHEET 1 of 2

SECTION – C1-C

FUNCTIONAL / PERFORMANCE / DEMONSTRATION GUARANTEE

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The Bidder shall guarantee that the equipment offered shall meet the rating and performance requirements stipulated for various equipment covered in this specifications.

The guaranteed performance parameters furnished by the bidder in his offer, shall be without any tolerance values and all margins required for instrument inaccuracies and other uncertainties shall be deemed to have been included in the guaranteed figures.

The bidder shall demonstrate all the guarantees covered herein during demonstration test / PG test.

The various tests which are to be carried out during demonstration tests are listed in the specification. The guarantee tests shall be conducted by the bidder at site in presence of BHEL/ CUSTOMER. All costs associated with the tests shall be included in the bid price.

In case during demonstration test /PG test, it is found that the equipment/system has failed to meet the guarantees, the bidder shall carry out all necessary modifications and/or replacements to make the equipment/system comply with the guaranteed requirements at no extra cost to the BHEL/ CUSTOMER and re-conduct the demonstration test(s) / PG test with BHEL/ CUSTOMER's consent.

I. TECHNICAL GUARANTEES**1. GAS CHLORINATION PLANT**

A. Each chlorinator for **RW**-Chlorination system shall have a capacity not less than **10 Kg/ hr.**

B. Each evaporator & Chlorinator of CW -Chlorination system of (unit 1, 2 & 3, 4) shall have a capacity not less than **185 kg/ hr.**

C. Bidder to also demonstrate the capacity of cylinder mounted PW - Chlorination system.

D. Chlorinators of CW & RW chlorination shall have controllable capacity range of 20:1.

E. Each chlorination plant shall be tested to demonstrate for above mentioned Guarantees at site under demonstration test. In addition, demonstration of satisfactory working of chlorinators, evaporators, chlorine leak absorption system, efficiency of safety devices etc. shall be demonstrated by bidder.