B. Performance Guarantee & Functional Test

B.1. Performance Guarantee Test

B.1.1. PG Test - CO2 Capture, Compression and Storage Block:

a) PG Test shall be carried out to demonstrate the 50 TPD i.e 2.08 TPH of CO_2 production capacity while simultaneously meeting the quality of CO_2 on dry basis as mentioned elsewhere under the head 'Design Considerations'.

b) PG Test shall be carried out after completion of 'Trial Operation' and 'Functional Tests'

c) Liquidated damage for deviation in performance shall be computed as under:

i) Deviation in performance = [(Tested capacity of CO_2 Production - Guaranteed capacity of CO_2 Production) / Guaranteed capacity of CO_2 Production]

ii) Liquidated damage = 0.5 x (Contract Value) x (Deviation in performance)

d) PG Test duration shall be at least 24 continuous hours.

B.1.2. PG Test - Carbonated Brick (C-Brick) Manufacturing Block:

a) PG Test shall be carried out to demonstrate i) C-Brick Manufacturing Capacity of 2,00,000 Nos/Day (Minimum) and ii) Compressive Strength of C-Brick > 7.5 Mpa.

b) PG Test shall be carried out after completion of 'Trial Operation' and 'Functional Tests'

c) Liquidated damage for deviation in performance shall be computed as under:

iii) Deviation in performance = [(Tested capacity of C-Brick Production - Guaranteed capacity of C-Brick Production) / Guaranteed capacity of C-Brick Production]

iv) Liquidated damage = 0.5 x (Contract Value) x (Deviation in performance)

d) PG Test duration shall be at least 24 continuous hours.

B.1.3. PG Test - General:

a) Bidder shall provide the PG Test procedure for approval of NTPC.

b) PG test shall be carried out as per the approved PG Test procedure. PG test procedure shall be finalized within 120 days from the date of Notification of Award.

c) The Bidder shall be responsible for providing all material, equipment and manpower, specified or otherwise, which are required to carry out PG Test.

d) There shall be no incentive / reward in case of positive performance deviation i.e. when tested capacity of C-brick production is more than the guaranteed capacity.