

ANNEXURE - I TO APPENDIX - 4

MASTER NETWORK

The Master Network as per para 1.0 of Appendix-4
shall be enclosed as Annexure-I to Appendix-4







































A Maharatna Company

NTPC-NETRA Project Engineering Document Review Sheet

Project: Carbonated Fly Ash Brick (C-Brick) Plant (2 Lakh per Day Capacity) at NTPC Ramagundam		
Department: NETRA		
Description	L2-Network Schedule	
Contractor Name	Hamtek Technologies India Private Limited	
Document No	NETRA/C-Brick/01 dtd 07.01.2025	
Revision	R 0	
Review Category	Cat 1/2/3/4	Cat 2
Checked By	Dr. Gaurav Richhariya Executive NETRA	<i>Gaurav</i> 07/01/25
Reviewed By	Sh. Pranay Manager NETRA	<i>Pranay</i> 21/1/25
Approved By	Sh. Partha Mukherjee AGM NETRA	<i>Partha</i>

Cat 1	Final Approval
Cat 2	Approved as marked Revised drawing/document to be submitted after incorporating comments
Cat 3	Not approved-Resubmission
Cat 4	For Information & Record

Contractor Name		Hamtek Technologies India Private Limited																																							
Document No		5038 GD 04																																							
Client Name		M/s.NTPC Limited																																							
Project		Carbonated Fly Ash Brick (C-Brick) Plant (2 Lakh per Day Capacity) at NTPC Ramagundam																																							
Revision/date		R0 & 05-01-2026																																							
Title	L2 SCHEDULE	Design & detail engineering				Civil works				Manufacturing & Inspection				Dispatch/Transport				Pre-assembly / Erection works				Inspection,testing /trials/commissioning				Guarantee/ performance test				Lime supply, O & M											
Item Code	Description	Jan-26		Feb-26		Mar-26		Apr-26		May-26		Jun-26		Jul-26		Aug-26		Sep-26		Oct-26		Nov-26		Dec-26		Jan-27		Feb-27		Mar-27		Apr-27		May-27		Jun-27		17th Jun 2027 to 17th Jun 2028			
		1-15	16-31	1-15	16-28	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-31	1-15	16-28	1-15	16-31	1-15	16-30	1-15	16-31	1-15	16-30	365 days			
	Notification of Award	17th Dec 2025																																							
0.00	Design & detail engineering																																								
1.00	CIVIL WORKS																																								
1.01	Site handover to Hamtek	To be confirmed by NTPC																																							
1.02	SBC Data																																								
1.03	Site Survey																																								
1.04	Leveling & grading in the plant area																																								
1.05	Leveling & grading in the storage yard																																								
1.06	Periphery fencing Foundation upto plinth																																								
1.07	Periphery fencing Foundation and wall upto ground level																																								
1.08	Periphery fencing																																								
1.09	PEB Shed Foundation																																								
1.10	Flyash Silo Foundation																																								
1.11	Lime Silo Foundation																																								
1.12	Steam Autoclave Foundations																																								
1.13	CO2 Autoclave Foundations																																								
1.14	CO2 Storage Tank																																								
1.15	Batching Tower Foundation																																								
1.16	Belt Conveyor Foundation																																								
1.17	Unloading system for Flyash & Lime Foundation																																								
1.18	Flooring - Footings, pedestals and plinth beams																																								
1.19	Hydraulic Brick Press Section Foundation																																								
1.20	Floorings, leveling and filling																																								
1.21	Precuring chambers Foundations																																								
1.22	Steam header Foundation																																								
1.23	Piperack Foundation from Utility to CO2																																								
1.24	Piperack Foundation from CO2 TO 400 mtr																																								
1.25	Piperack Foundation from 400 mtr to 800 mtr																																								
1.26	Piperack Foundation from 800 mtr to Brick plant																																								
1.27	Piperack Foundation within Brick plant																																								
1.28	Cubing system Foundations																																								
1.29	Roads & Drains																																								
1.30	Open Stock Yard Area																																								
1.31	Transformer Yard																																								
1.32	Weigh Bridge Foundations																																								
1.33	Utilities room Foundations																																								
1.34	Toilets Foundations																																								
2.00	Mechanical Structures																																								
2.01	PEB Structure																																								
2.02	Sheeting																																								
2.03	Batching Tower																																								
2.04	Flyash Silo Structure																																								
2.05	Lime Silo Structure																																								
2.06	Monorail Structure																																								
2.07	Piperack Structure																																								
3.00	Machinery/equipment																																								
3.01	Unloading system for Flyash & Lime																																								
3.02	Flyash Silo																																								
3.03	Lime Silo																																								
3.04	Screw conveyors between Lime silos & Lime Unloading system																																								
3.05	Screw conveyors between Lime Storage Bin to Lime Weigh Bin																																								
3.06	Screw conveyors between Lime Weigh Bin to Attrition Mixer																																								
3.07	Screw conveyors between Flyash silos & Flyash Unloading system																																								
3.08	Screw conveyors between Flyash Storage Bin to Flyash Weigh Bin																																								
3.09	Flyash Storage Bin																																								
3.10	Lime Storage Bin																																								
3.11	Flyash weigh Bin																																								
3.12	Lime weigh Bin																																								
3.13	Sun & Planetary Mixer																																								
3.14	Intermediate Storage Hopper between Sun & Planetary Mixer & Carbonation Reactor																																								
3.15	Carbonation Reactor																																								

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1.04	Leveling & grading																																								
1.05	Boundary Wall/ Periphery fencing Foundation																																								
1.06	Vessels Foundations																																								
1.07	Tanks Foundations																																								
1.08	CO2 Storage Tank																																								
1.09	Heat Exchangers Foundation																																								
1.10	Pumps Foundation																																								
1.11	Compressors/Fans Foundation																																								
1.12	Filters Foundation																																								
1.13	Columns Foundation																																								
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2.00	Mechanical Structures																																								
2.01	Piperack Structure																																								
2.02	Utilities Structure																																								
3.00	Machinery/equipment																																								
3.01	Direct Contact Cooler (DCC) Column																																								
3.02	Scrubbing Column for SOx / Nox																																								
3.03	CO2 Absorber Column																																								
3.04	CO2 Stripper Column																																								
3.05	CO2 Stripper																																								
3.06	Heat Exchangers & Condensers																																								
3.07	Pumps																																								
3.08	Drums & Tanks																																								
3.09	Flue Gas Fan																																								
3.10	Cooling Water System																																								
3.11	Compressed Air Buffer Vessel																																								
3.12	Instrument Air Dryer																																								
3.13	Waste Handling System																																								
3.14	CO2 Storage Tank																																								
3.15	Water Pipeline																																								
3.16	Pneumatic Pipeline																																								
3.17	Steam/Co2 pipeline																																								
3.18	Fire Protection System																																								
3.19	Electrical systems																																								
3.20	C&I and Automation																																								
3.21	Utilities																																								
3.22	Laboratory equipment																																								
3.23	CCTV Surveillance																																								
4.00	Madatory spare																																								
5.00	Performance/guarantee test																																								
6.00	Operations & Maintenance																																								