

ANNEXURE-2

1 TPD Green Hydrogen Plant from Plasma Enhanced Gasification of MSW-RDF/ Agri-Waste at NETRA

Terminal points between BHEL & HPS Rev-0

A) Mechanical

1	PNG (Piped Natural Gas)	BHEL will provide following utilities at one point near Hydrogen Package
2	Raw Water	
3	Cooling water [supply & return]	
4	Instrument Air	
5	Nitrogen	
6	Tail gas	Package Vendor to terminate at one point near skid edge.

Note:-

B) Electrical

1.	HT Power supply: (if applicable)	At Vendor's consumption point , however cable trays for HT cables within the vendor block is by Vendor
2.	LT normal & Emergency Power supply:	i)At incomer of Vendor's 415V MCC , ii)At outgoing feeder of BHEL PCC for Vendor loads > 55kw , iii)At outgoing feeder of BHEL MLDB for vendors illumination
3.	DC power:	At outgoing feeder of BHEL DCDB
4.	UPS Power	At outgoing feeder of BHEL UPSDB
5.	Earthing system::	1.At two points of BHEL's below ground earth mat for interconnecting vendor's aux mat/vendor above ground earth strips to BHEL's earth mat . 2.For Electronic earthing terminal point shall be at the Electronic earth pits.
6.	Lightning protection	Terminal point shall be at Lightning earth pits(vertical air termination rods, Horizontal & vertical down conductors is under Vendor's scope.)
7.	Cable trays	At one point near Vendor block. Trays upto Vendor block shall be by BHEL and beyond shall be by vendor .
8.	Illumination system	Complete lighting with in Vendor block shall be by Vendor

C) Control & Instrumentation

1.	Instrument cable	No terminal point. Cable should be brought upto Central PLC.
2	Field instruments	No terminal point. Complete Instrumentation within Vendor scope for Block battery limit.