

ANNEXURE-E
SCOPE MATRIX TABLE

INTERFACE SCOPE MATRIX TABLE-I			ANNEXURE-E to PY 56182 Rev 00 FOR INTERFACE SCOPE MATRIX TABLE-I			
S.NO.	DESCRIPTION	REFERENCE	ENGINEERIG	SUPPLY	BHEL SUPPLY FOR E&C.	VENDOR SUPPLY FOR E&C.
1	Screened control cable (3Core x 2.5 MM2)	Schematic Diagram	BHEL	BHEL	Laying & Technician	Suprvision of Laying Termination
2	Power supply cables	Schematic Diagram	BHEL	BHEL	Laying & Technician	Suprvision of Laying Termination
3	FDA + Repeater Panel	Schematic Diagram	Vendor	Vendor	Erection including earthing	commissioning
4	Network component like LIUS/Patch Card / Media converters/ Network switches.	Schematic Diagram	Vendor (System engg)	Vendor	Erection including earthing	commissioning
5	FO cable	Schematic Diagram	Vendor	BHEL	Laying	Suprvision of Laying Termination
6	Optical LHS cable + Controller including all accessories	Schematic Diagram	BHEL	Vendor	Laying	Suprvision of Laying Termination
7	Layouts engineering	Schematic Diagram	BHEL	NA	NA	NA
8	Cable schedule + ICDs -Field	Schematic Diagram	BHEL	NA	NA	NA
	-Networking	Schematic Diagram	Vendor	NA	NA	NA
9	DCS interface. (OPC software with 3 client Licences) + Firewall + OPC Gateway Network switches and other necessary networking components including software as required.	Schematic Diagram	Vendor	Vendor	Erection.	commissioning.
10	Detector & Devices	Schedule Drawing & BOM / Specification.	BHEL	Vendor	Erection & Commissioning	Suprvision of E&C. Wire diagrams.
11	Fire Protection system (eg: Hydrent, HVMS, MVWS, Inert gas etc.) interface.	Schematic Diagram	BHEL	BHEL	BHEL	NA
12	All other equipments / items supplied by Vendor.	Schedule Drawing & BOM / Specification.	BHEL	Vendor	Erection & Commissioning	Suprvision of E&C. Wire diagrams.
13	Document for Statutory approach	Specification.	NA	Vendor	NA	NA
14	Erection hard wired for entire. FDA system including BHELscope of supplies.	Specification.	Vendor	Vendor	BHEL	Vendor

ANNEXURE-E
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	ANNEXURE-E TO PY56182 REV 00 FOR E&C SCOPE MATRIX TABLE-II	
	Broad scope marking of E&C between bidder & BHEL-Site (Purchaser) is as listed below:	
Sl No.	Activity Description	Scope
1	Transportation up to Project Site	Vendor
2	Unloading	BHEL-Site
3	Supply Verification as per packing list, Transit damage inspection	BHEL-Site
4	Storage	BHEL-Site
5	Custody of items in stores	BHEL-Site
6	Issue of Items from Stores	BHEL-Site
7	Shifting of panels/equipment's to Intended Location	BHEL-Site
8	Provision of Crane for Shifting of the equipment's	BHEL-Site
9	Unpacking of equipment's	BHEL-Site
10	Panel Base frames stand below false floor supply and installation	BHEL-Site
11	Installation of equipment's at intended locations	BHEL-Site
12	Supply of Erection Hardware accessories for installation of equipment's like cable glands, lugs, ferrules, marker wires as per technical specification.	Vendor
13	Loop Checking between FDA panels to field devices/items.	Vendor
14	Network Loop Checking of complete FDA system	Vendor
15	Earthing connectivity, termination & connections to BHEL's earth points	BHEL-Site
16	Erection Supervision	Vendor
17	Commissioning, Power On, Trail Run, SAT, PG Test and handing over to end user, Documentation submission for obtaining the statutory approval, completion certificate.	Vendor
18	Co-ordination between statutory body and vendor, Obtaining the statutory approval	BHEL-Site
19	Commissioning Supervision	BHEL-Site
20	Erection & Commissioning co-ordination	BHEL-Site