

TENTATIVE QUALITY ACCEPTANCE PROTOCOL (QAP)

System Characteristic	Methodology	Acceptance
Make and model of major systems	Physical verification	As per purchase order terms
Factory acceptance testing of system	As per finalized FAT	As per finalized FAT
Subsystem level acceptance at IPRC	As per finalized FAT	FAT to be repeated and demonstrated at IPRC at the time of installation and commissioning
Safety systems	Physical demonstration	As per technical specifications
Demonstration of coating process at supplier's site	As per system prove out clause mentioned	Normal functioning of the system without any error messages or adverse observations
Demonstration of coating process at IPRC	As per system prove out clause mentioned	Normal functioning of the system without any error messages or adverse observations
Hardware coating	Coating of 1 set of hardware (9 nos as per annexure-A)	Uniform coating thickness
Acoustic booth – noise isolation	Physical measurement using odometer	<89 db
Data acquisition system	Data acquisition and data retrieval shall demonstrated	Capable of acquiring and retrieving all the process parameters (Current, Voltage, primary gas flow rate, secondary gas flow rate, powder flow characteristics, error logs etc)
UPS system	Power shutdown shall be simulated and checked	PLC systems shall run for minimum 20 minutes in UPS backup.
Erection	Shall be installed and commissioned as per layout finalized by IPRC.	Layout and floor plan approved by IPRC
Installation and commissioning	As per PO specifications	To be installed, interfaced, interlocked as per the system requirements and complete functioning of the system shall be demonstrated.