

Clarification No. - II (Contractual) dated 14/12/2022 to the Bidding Documents for Package- Establishment of WiFi-Facility at NIT Jamshedpur Campus (ER2/NT/TELE/DOM/ZA4/22/00255)

SI No	Volume	Section	Heading /Sub-Heading	Clarification and Changes Sought	POWERGRID Reply
1	Vol I, Section-III_BDS _NIT (ITB)	21	44	Price Schedules provided in MS excel format shall be filled and uploaded on e-procurement portal viz. PRANIT Porta Schedule 5: Taxes and Duties applicable in Schedule 3 & 4b above	Please refer the Amendment-II of the bidding documents.
2	Vol I, Section-III_BDS _NIT (ITB)	4		Presently, the local content requirement to categorize a supplier as 'Class-I local supplier' is minimum 55%. Please clarify the definition of Class-I Local Supplier.	Please refer the Amendment-II of the bidding documents.

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Sr No	Ref No.	Clause No	Clause Description	Amended Clauses	Reason
1	Vol I, Section-III_BDS_NIT (ITB) Table at Sl.NO.44 Last row	44	Schedule 5: Taxes and Duties applicable in Schedule 3 & 4b above	Schedule 5: Taxes and Duties applicable in Schedule 3 & 4 above	Revised as per scheduled considered in 2 nd envelope
2	Vol I, Section-III_BDS_NIT (ITB) Table at Sl.NO.44 Last row	3	Presently, the local content requirement to categorize a supplier as 'Class-I local supplier' is minimum 55%.	Presently, the local content requirement to categorize a supplier as 'Class-I local supplier' is as follows; Minimum Local Content (MLC) for Wi-Fi based broadband wireless access systems (including Access point, aggregated block, core block etc): 55% Minimum Local Content for overall Package: 50%	Revised in line with administrative approval.

Clarification No. – II (Technical) dated 14/12/2022 to the Bidding Documents for Package- Establishment of WiFi-Facility at NIT Jamshedpur Campus

Sr No	Ref No.	Clause No	Clause Description	Clarification Sought	POWERGRID's reply
1	Vol II, Section 1, Project Implementation	1.3.2	The Project has to be implemented within a period of Eight (08) months from the date of award	<p>•Under Section-1 of the tender documents, against clause no. 1.3.2 Project Implementation, it is mentioned that “The Project has to be implemented within a period of Eight (08) months from the date of award.”</p> <p>•But the Implementation Schedule published under Appendix C of the tender document, shows the total project implementation schedule of 52 weeks (13 months), which has clear delivery time line of up to 32 weeks, followed by installation of the hardware and lastly Site Acceptance Tests for which separate timelines are clearly mentioned in the tender.</p> <p>We would request you to clarify on the actual delivery and project implementation timeline to be considered by PGCIL for this project and issue the necessary clarification by way of corrigendum (if needed), since LD clause is also applicable against this tender</p>	Project Implementation period is Eight (8) months only from the date of award. Please Refer Amendment 1 & 2 for revised Appendix- C and Table-5-2 respectively .
2	Vol II, Section 2 Technical Specification for Wi-Fi components 2.3. General Requirement for Active Components A-3 Managed L2-Switch-24 Port POE+ Layer 2 Switch: Edge Switch	3.2	Electrical power would be provided from the power distribution boards in each building by NIT/PGCIL and the bidder shall supply & install Primary & Secondary AC feeder cables & suitable circuit breakers for power termination. The bidder is responsible for all inter-rack (enclosure) and intra-rack (enclosure) power distribution required to support equipment supplied under this specification. The bidder shall provide all cabling, fusing, switching and circuit breaker and surge protection required and also provide and install all required primary power distribution sourced from the distribution panels and Load Balancingt	We would therefore request you to either provide dimensioning for the electrical cabling work including length of cable, any applicable IS standards to be followed for cabling, number of Switches, Circuit Breaker, Surge protectors, Switch boards etc for estimation purposes in the bid or confirm that electrical power would be extended by NIT/PGCIL up to each Network Rack location under each building.	Provisions of TS are amply clear . Please refer Section-I , Clause 1.4 & 1.3 and Section-II, Section 3 (Auxiliary Infrastructure) for more clarity .

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Sr No	Ref No.	Clause No	Clause Description	Amended Clause
1	Appendix -C, Implementation Schedule		Implementation Schedule	Revised Appendix- C , Implenetation Scheduln (Attached in pdf separately)
2	Vol II, Section 5, Table 5-2 , Documentation Plan for WI-FI Solution		Documentation Plan for WI-FI Solution	Revised Table 5-2 , Documentation Plan for WI-FI Solutionn (Attached in pdf separately)

Section 5

Table 5-2: Documentation Plan for WI-FI Solution

S. No	Document	Applicable Equipment /Item	Brief Description	Submission guidelines	Approval Category
1	Implementation Schedule	For all Major Activity	The document shall consist of schedule for major activities which shall be carried out during project implementation phase.	Within 1 week of contract award	Cat- I
2	Site Survey Format for approval & Site Survey Reports	For each location	Site wise survey reports as per TS, along with schematic floor & network Diagram	Format Within 1 week of contract award & Reports within 3 Weeks from Award	Cat- I
3	Self-Signed declarations and certificates	For all declarations and certificates mentioned in contract.	Shall be complete in all respect including all partners of the contractor.	Within 1 week of Contract award.	Cat- I
4	Copy of all Test results & certificates for security related certification as per DoT Guidelines	Security Documents (From Common criteria Lab or any other authorized certified agencies)	Shall cover all documents required by DoT as per their amendments & requirement updated time to time	Within 4 weeks of Contract Award Date	Cat-I
5	WI-FI Functional Description Document	For Fully functional WI-FI Solution which includes Wi-Fi network architecture having all hardware and software items etc .	The document shall consist of item as detailed as per Technical Specification	Within 5 weeks of contract award	Cat- I
6	<input type="checkbox"/> Product Documentation for WI-FI <input type="checkbox"/> Data Requirements Sheets for HW & SW	For each and every item to be supplied including Layer 3 device, DS Fiber switch , PoE access switch , Indoor & Outdoor AP, WiFi controller, NGFW, OFC, Cable & patch chords, Pipe etc	These document(s) shall describe all the technical parameters of the equipment being offered. The formats available in the appendices shall be used, which may be expanded as required.	Within 6 weeks of Contract award.	Cat- I

7	Deployment Architecture and Solution Documents	For WI-FI Solution which includes creating backbone infrastructure with Layer 2/3 connectivity within campus, seamless and uninterrupted bandwidth Wi-Fi coverage with adequate security , monitor and manage all the data traffic and active devices from central	Complete set of all manuals for that product, A set of product brochures, photographs etc.	Within 10 weeks of Contract award.	Cat- IV
8	Power Supply and Space requirement for WI-FI solution including Management & Reporting Components Installation.	As per technical specification.		To be submitted progressively	Cat-IV
9	All the documents including software details, HLD & LLD of all supplied Hardware & Software	For each and every item to be supplied including Layer 3 device, DS Fiber switch , PoE access switch , Indoor & Outdoor AP, WiFi controller, NGFW, OFC, Cable & patch chords, Pipe etc	These document(s) shall describe all the technical parameters of the equipment being offered. The formats available in the appendices shall be used, which may be expanded as required.	Within 12 weeks of Contract Award Date	Cat-I
10	Factory Acceptance Tests (FAT): Test plan and Procedures (Report format)	For all items to be supplied as WI-FI solution	This document shall include the list of Factory acceptance tests, the administrative test plans, and test procedures/formats for recording & reporting factory acceptance test results.	Within 14 weeks of Contract Award Date	Cat- I
11	Factory Acceptance Test (FAT) Report for WI-FI solution	For all Factory acceptance tests with regard to WI-FI solution		Within 3 days of completion of Test, progressively for each batch.	Cat- I

12	Site Acceptance Tests Test plan, procedures and report format for WI-FI	System document, end to end integration test plan with relevant logs and justifications with regard to WI-FI Solution.	This document shall include the list of Site acceptance tests, the administrative & functional test plans, end to end integration test procedures and formats for recording & reporting site acceptance test results. This document shall be restricted to describing the <i>acceptance</i> tests as per Technical Specifications of POWERGRID and other similar tests which shall be conducted in Employer presence for Site acceptance.	Within 30 weeks of Contract Award Date	Cat- I
13	Maintenance Philosophy & Procedures	System document	Shall cover breakdown maintenance procedures, preventive maintenance schedules and procedures as per Section 6.	Within 30 weeks of Contract Award Date	Cat- I
14	Site Test records (SAT)	Per location for installation testing	Test cases and Test Records of Complete integrated system containing testing of all use cases.	Within one week of Site testing, progressively for each batch, refer implementation schedule (Appendix-C)	Cat- I
15	SOP - Operational flow charts with description	Standard Operating Procedures for WI-FI Solution	Should include the general & POWERGRID specific SOP's	Within 30 weeks of Contract Award Date	Cat-1
-- End Of Table --					

--- End of Vol II Section 5 ---

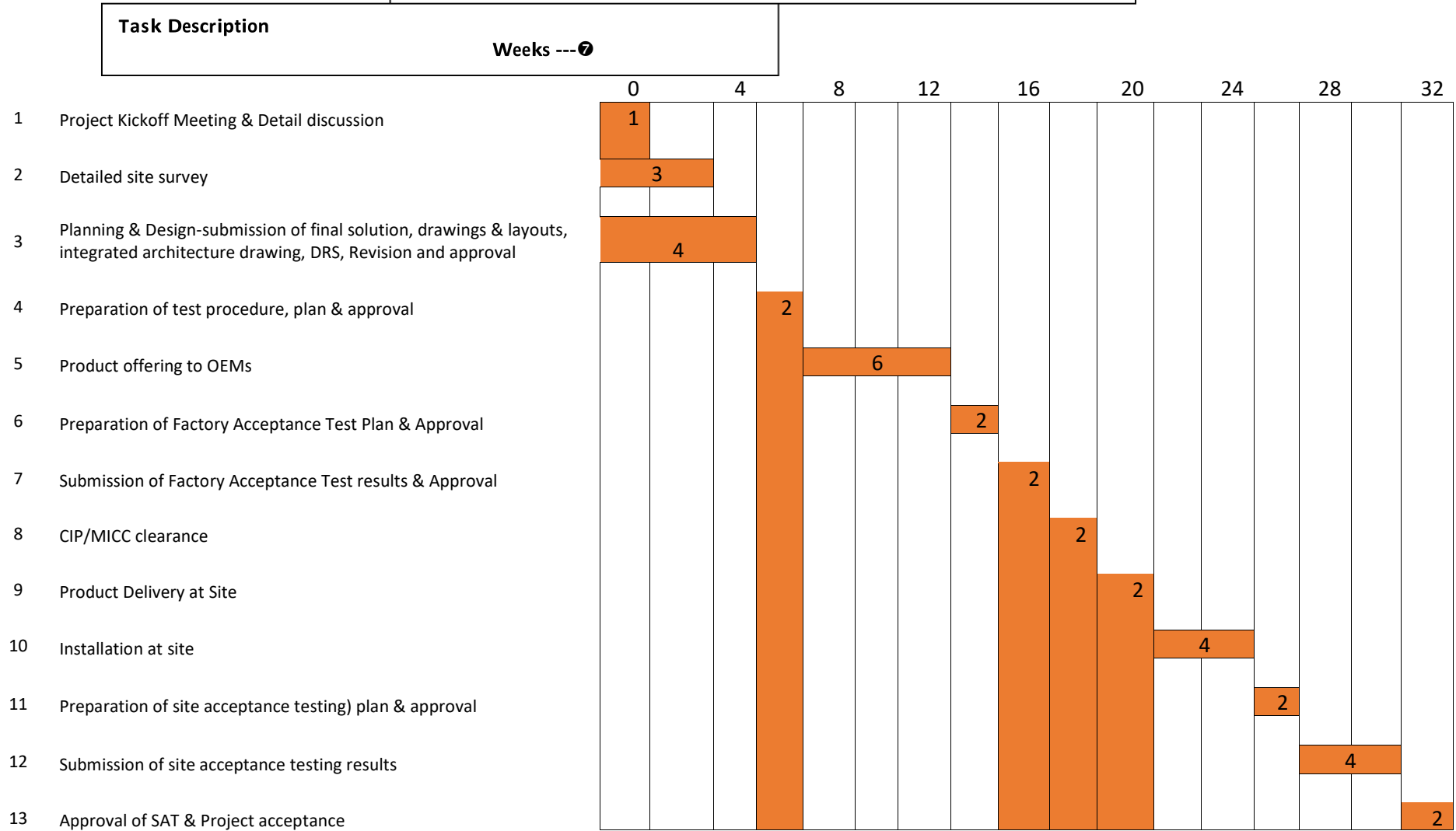


Appendix-C

IMPLEMENTATION SCHEDULE



NIT Jamshedpur WiFi Project Implementation Schedule





*Zero date is the date of Letter of Award (LOA); Warranty Period: 1 yrs from the date of operational acceptance; Annual Maintenance Contract (AMC): 4 yrs after the completion of warranty period

NOTE:

- **This is a sample project schedule with high level deliverable milestones and respective timelines.**
- **Bidder shall submit a detailed project plan depicting all key activities inside a milestone. Overall timeline (8 months) and key milestones shall remain same as mentioned above.**
- **Project plan will be discussed and concluded with the successful bidder (contractor)**
- **After acceptance, project shall be handed over to the operations team for warranty and further maintenance support.**