

CORRIGENDUM - 5, dated 05.07.2020 to BHEL PSSR TENDER No. ENQ:20:PS:0005:PUR:1(R), dt.18.05.2020

TENDER No. ENQ:20:PS:0005:PUR:1(R), dt.18.05.2020 : Procurement, Implementation, Further Development and Maintenance and Training of Construction

SR NO	CLAUSE NO	EXISTING CLAUSE	AMENDMENT
1	Section-V, Clause No 4.2.1.2, Sr No -v	v. The proposed CONSTRUCTION MANGEMENT SOFTWARE is intended to contain following list of modules. a. A module for managing Stores. b. A module to create for specification from material catalog. c. A module for Creation of specification driven isometric drawings. d. A module for Spool marking and generating material take off is done. e. A module for generating material takes off without drawing. f. A module for managing spool fabrication activity is done. g. A module for spool erection activity is done. h. A module for Steel Structure Designing i. A module for estimate cost and bid on items. j. A module to handle the entire activities in steel construction k. A module to handle and monitor CIVIL construction work from beginning to end l. A module for managing all the Equipment related activities in the Project m. A module for managing all the Electrical & Instrumentation related activities in the Construction Project.	v. The proposed CONSTRUCTION MANGEMENT SOFTWARE is intended to contain following list of modules. a. A module for managing Stores(contractor store for NPCIL material & NPCIL stores) b. A module to create for specification from material catalog. c. A module for managing all the Equipment related activities in the Project d. A module for piping erection works. e. A module for Creation of specification driven isometric drawings. f. A module for spool erection activity is done. g. A module for estimate cost and bid on items. h. A module to handle the entire activities in structural steel construction i. A module for managing NDEs j. A module to handle and monitor CIVIL construction work from beginning to end k. A module for managing all the Electrical & Instrumentation related activities in the Construction Project. l. A module for material accounting. m. A module for progress monitoring.
2	Section-V, 4.2.1.3. General Interfaces of the Software:	General Interfaces of the Software: The S/w must be, Points a to z	Complete clause is deleted.(Point a to Point z)

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3	Section-V, 4.2.2. Overall Description:	vi : A scheme of network for proposed software is as given below in sketch-1 for basic idea.	Clause deleted
4	Section-V, 4.2.4.9 Embedded parts	vi: Other than this all the work in fabrication and erection of embedded parts are similar to the structural platforms explained above in 4.2.3.10	iv. Other than this all the work in fabrication and erection of embedded parts are similar to the structural platforms explained above in 4.2.4.8
5	Section-V, 4.2.4.13. Specification driven Isomec Module:	4.2.4.13. Specification driven Isomec Module:	4.2.4.13. Specification driven Isometric Module:
6	Section-V, 4.2.4.14. Pipe support module	i. Complete pipe supports data shall be arrive from the auto spool data which was extracted from the neutral files supplied by the designer.	Clause deleted

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Reference Document:ANNEXURE –D-13.0, Section-V

Sl.No.	Section No.	Description	Bidder Query	BHEL Reply
1	4.1.ii	Deploying engineers at site for understanding the detail methodology how the contracts are being handled, how reports are being generated, how measurements are being generated etc	Can we get the existing formats used by engineers as a soft copy.	Sample formats are already attached along with the specification . Refer page No:34 to 67
2	4.2.1.3.x	Documentation	We assume that NPCIL will provide the required (TC/QC), IBR / Steam Services certificates	Clause modified, refer Corrigendum
3	4.2.4.6.v	Mechanical Erection module	Please provide format of inspection and checklist for different erection and fabrication works (Which are not provided in the spec document)	Sample formats are already attached along with the specification . Refer page No:34 to 67
4	4.2.1.3.d	MTO analysis: Comparison of various Piping MTOs (MTO-I, MTO-II, MTO-III etc.) to be done for analysis and decision making.	As per our understanding MTO-I,MTO-II etc. will be prepared by different persons for same work.CMS will compare these MTOs and indicate which MTO is technically and commercially viable.Please confirm.	Clause modified, refer Corrigendum
5		General	Please provide the workflow of each modules(Civil,Mechanical,Electrical,Instrumentation and Stores).	Typical work flow is provided for each module in the technical specification of the tender
6		Training	We assume that software training to NPCIL staff will be conducted at KKNPP site.	Yes
7		Barcode Scanner	NPCIL will provide the required barcode scanners.	Clause modified, refer Corrigendum
8		BOQ against Working Drawing	We assume that all type of BOQ is generating from the corresponding drawings.Please confirm.	Yes
9		Format	Please provide a copy of existing document formats being used now for estimation,planning,measurements and tracking.	There are no standard formats for these activities, Tender is floated in order to standardize these activities. Necessary information is provided in the technical specification.
10		SAP	Other than providing item codes, is there any specific integration to be planned with SAP environment	Clause modified, refer Corrigendum

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Sl.No.	Section No.	Description	Bidder Query	BHEL Reply
11		Server	Technical specification refers to usage of different software stacks include SQL Server/ MySQL, .Net/Java, Apache WebServer/ IIS. Is there any restriction /preference to any software technology stack that will be deployed in the server	Preferred to have open source software like MYSQL, JAVA & Apache WebServer etc.
12		Server	There is a defined server hardware specification given in the technical specification. Can we specify a different specification required for the platform?	Yes, Details of specification may be submitted along with the bid, will be reviewed.
13		System accessibility	We assume public/static access is not required to all modules of the web application. But is restricted to specific areas? Could you please confirm.	Yes, it is restricted to specific areas only. Applicable modules will be confirmed during execution.
14		Database Server	Is public/static access to the database server a requirement? We see it as a vulnerability	Provision shall be made available, based on the site SISO , it will be decided later
15		Software tools	If engineering software like PDMS/PDS/SP3D is used then what capability is planning to be achieved as part of the CMS with pipe cutting optimization and intelligent routing solution etc.	Clause modified, refer Corrigendum
16	4.2.1.2	Scope	Some of the modules mentioned in this section does not have its detailed explanation.	Modules are similar to the main modules explained in the technical specificalton
17	4.2.2	Overall description	Some of the modules mentioned in this section does not have its detailed explanation.	Modules are similar to the main modules explained in the technical specificalton
18		Isometric drawing tool	Please specify the number of client license required.	Unlimited license for KK site.
19	4.2.4.9	Embeded parts-refer item No.iv	Section 4.2.3.10 is missing.	Clause modified, refer Corrigendum

Note:-

All other Terms & Conditions remain unchanged. Bidders are requested to consider this Corrigendum as part of the Tender Specification and quote accordingly.