

	PE&SD, BHEL.R.C. Puram, Hyderabad-502032	Dt: 30.12.2021
PE&SD	Ref no.: T0AUX00073_NIT-61520. Tender ID: 2021_BHEL_6177_1 dtd. 18.11.21 (https://eprocurebhel.co.in)	Rev 00 Page 1 of 4

Sub-BHEL reply to the Pre bid query.

Name of the Work: “**STRUCTURAL STEEL & MECHANICAL EQUIPMENT ERECTION AND PIPING WORKS etc.” FOR IOCL PARADIP-STANDBY SRU (525TPD) TRAIN PROJECT”.**

Pre Bid queries raised by bidder, Name: **M/s SOPAN O&M COMPANY PVT. LTD.**

Form No: F-08 (Rev 00), **FORMAT FOR SEEKING CLARIFICATION**

Sl No.	Tender Document	Description	Bidders Query	BHEL's Clarification
1	Vol 1A TCC	All Mechanical equipment's, Pipes, fittings etc. has to be transported from BHEL stores to Site	Kindly confirm distance from BHEL Stores to the actual Site location where equipment erection is to be done.	Approximately 1.2-1.5KM
2		Surface Finish & Primer of all Pipes	Confirm whether Surface finish & primers for all the pipes is included in Erection Contractor scope or Pipe supplier scope? If it is in Contractor's scope then, kindly confirm the applicable painting scheme for each pipeline group/class.	<ol style="list-style-type: none"> 1. Scope of Surface finish & shall be as per TCC Chapter 2, Clause 1.1. Painting. 2. Please refer TCC, Annexure VI, and Doc No. Document No.080557C-000-JSD-2300-001
3		Painting / Touch up	Request you to provide details of Painting scheme equipment wise / pipes.	Please refer TCC, Annexure VI, and Doc No. Document No. 080557C-000-JSD-2300-001
4		Structural Works	Kindly confirm required necessary Structural Steel and Plates shall be supplied loose by BHEL at their stores. Only fabrication & Installation work will be in Contractor scope	Pre-Fabricated Structural Steel shall be made available by BHEL at BHEL Store.
5		Engineering for Structural stability	We understand that, the structural stability of existing pipe rack where we supposed to do pipe erection work is already checked & confirmed.	Point is noted. existing structure stability is not in scope of Bidders.

			Engineering verification related to existing structures / platforms / pipe racks etc. is not included in Bidder scope.	
6		Civil, Electrical & instrument work	We assume that Civil, Electrical & instrumentation work of any kind is not envisaged in Bidder scope.	<ol style="list-style-type: none"> 1. No scope related to Electrical & Instrumentation work is included in this tender. 2. For Civil work's scope please refer section A 6 of price bid format of NIT.
7		Insurance	Kindly confirm Insurance of any kind is not envisaged in Bidder scope	Bidders need not take insurance.
8		Supply of Gate Valves	VMS is not provided in the Tender document. Request to please provide VMS: 513 FE	Refer the published corrigendum no.1 dated: 26.11.2021.
9		Supply of hardware's / fittings /flanges/elbows etc.	Kindly confirm all hardware's / fittings /flanges/elbows etc. items required for pipeline connection will be provided by BHEL as loose item supply at its Store.	It is clarified that all the Piping Material is supplied by BHEL.
10		Insulation	Please provide more details on insulation (Ex: Density of Mineral wool, insulation thickness etc.)	<ol style="list-style-type: none"> 1. Density of Thermal Insulation (Rockwool) is 128 Kg/m³. 2. Thickness of individual mattress varies from 25mm to 75mm. 3. Insulation Thickness for the Individual lines varies from 25mm to 140mm.
11		Annexure-VIII	<p>Controtrace brochure for Installation procedure (Annexure-VIII) - Not available in Tender website. Request you to please provide us the same for our understanding.</p> <p>As per tender requirement, requisite manpower (12 skilled and 6 unskilled) is to be provided by bidder for this work. In case any additional manpower required over and above the tender requirement during actual installation work then same shall be suitably compensated man-day basis the bidder.</p> <p>Please confirm.</p>	<ol style="list-style-type: none"> 1. Refer the published corrigendum no.1 dated: 26.11.2021 for Annexure-VIII. 2. Tender document to be followed.
12		Electricity & water charges	Kindly confirm Electricity & water will be provided by BHEL	Confirmed. For detail refer the TCC.

			on chargeable basis.	
13		Erection & Installation Procedure	Kindly provide Erection & installation procedure for all Major mechanical equipment's.	Will be provided after award of work if applicable.
14		Hot Tapping	Kindly confirm whether Hot Tapping is required or not? If yes, provide no. of Tapping, Pipe MOC & size etc. with other process related parameter.	Hot tapping is not envisaged.
15		Piping Layout	Kindly provides us the Piping Layout.	The piping layout shall be provided during the execution stage .
16		Interface	Kindly confirm the Interface for scope of work of this tender with other facilities/Contractor works.	BHEL has engaged the others contractors also for doing other works like General civil and piling work, Electrical and C&I works, Material handling work etc. All the contractors have to work under the instruction of the construction manager/Site engineer of BHEL. Interface with other scope of work/contractors shall be as per BHEL approved drawing and same shall be informed during execution stage.
17		Temporary Cathodic Protection or Permanent Cathodic Protection	Kindly understand, Temporary Cathodic Protection (TCP) or Permanent Cathodic Protection (PCP) is not envisaged for this project. Kindly Confirm.	Cathodic protection is not envisaged for above ground piping.
18		Access Platform for Piping Erection (page no 8)	We understand that supply of access platform is not in bidder's scope of work. Bidder need to fabricate free supplied access platform whenever required. Quantity / weight of access platform is given in the tender documents. Please confirm the same.	The structural steel for valve access platforms shall be supplied by BHEL. The details of the Plat form shall be furnished during the Execution stage. The approximate Tonnage of platforms is envisaged as 10 MT.
19		Special Tools & Tackles	We understand that, during erection work all Special tools & tackles will be provided by BHEL to the Bidder as free issue material.	BHEL shall not provide any special tools and tackles other than as specified in the tender document.

20		OEM Support.	Any kind of OEM support required during erection, testing, Commissioning, Trial operation etc. of equipment's will be in the scope of BHEL. Please confirm.	Bidder's understanding is correct. However, overall responsibility of commissioning and trial run shall lie with bidder. For this Bidder need to have Expert Manpower for Commissioning Works as per price bid format section A and TCC chapter II, cl 1.4
21		Statuary Approval	Please enlist all the Statuary Approval in Bidder scope.	Tender document shall be followed.
22		Variation in Pipe Inch-Dia.	<p>For this tender, bidder requires to submit rates in weight basis of piping work however; exact Piping details are not mentioned. Also estimated piping work quantities are given in the form of Inch-diameter and Inch-meter.</p> <p>We understand that, the given quantity of Inch-diameter and inch-meter of piping is firm and there is unlikely any variation in the given inch-diameter and Inch-meter quantity of piping.</p> <p>During job execution, if any additional positive quantity variation is observed then same shall be suitably compensated to the bidder with extra price. The submitted weight basis rates will be not be applicable for the additional quantity variation.</p> <p>Kindly confirm.</p>	<p>Deviation limit for inch-dia and inch-meter quantities specified in the technical specification is +/-20%.</p> <p>If the quantities are exceeded beyond the +ve deviation limit, payment of excess quantities beyond deviation limit shall be regulated as "Supplementary item" as per clause no. 2.16 of GCC.</p> <p>Similarly, if the quantities are executed less than the -ve deviation limit, reduction shall be made in the payments of the corresponding line item of "Schedule of Quantities" as per rate derived for corresponding "Supplementary items" as per clause no. 2.16 of GCC.</p>
23		Dismantled material	<p>All dismantled material will be handed over to BHEL.</p> <p>Kindly confirm.</p>	Confirm
24		Payment Terms	We understand that all payments will be made on Pro-rata monthly billing basis.	Price bid format and Tender document to be followed.
25		Liquidated Damage/Penalty	<p>Liquidated Damage/Penalty at the rate of 0.5% of the undelivered contract value, per week of delay or part thereof subject to a maximum of 10% of the undelivered contract value.</p> <p>Kindly confirm.</p>	LD/Penalty rates are applicable on final executed contract value and not on undelivered contract value. Please follow tender specification clause no. 2.7.10 for details.