

Response to Pre-Bid Query

Work : Design, supply, construction, installation, testing and commissioning of Sewage Treatment Plant of 1.40 MLD at Dhalli-II at Ghati Mohanpur Shimla based on Modern SBR technology including entire network with all contingent civil, (including staff quarter), electrical, mechanical, piping and instrumentation works with three months' trial run including three-year defect liability period, Shimla and operation & maintenance of entire system for 5 years.

Tender Reference Number: SJPNL/sewerage/NIT/3794-97

Tender ID : 2026_SJPNL_132636_1

Sl. No	Volume and Clause	Page no.	Subject & tender Clause	Bidder Query	Clarification/Amendment
	Eco Paryavaran Engineers & Consultants Pvt. Ltd., Mohali, Punjab				
1.	Form -06 NOTICE INVITING TENDER E-TENDER	9	"MoU with Technology Partner or Bidder has to submit the certificate of successful operation of minimum 5 years of 15 decanter installation in Govt./Semi Govt. Department/Govt. of India."	The existing criteria requiring experience of 15 decanter installations is highly restrictive and limit the participation to a few numbers of bidders. Installation of at least 5 Decaners and their successful operation still ensures adequate technical capability while encouraging broader participation. This modification will promote fair competition, ensure competitive pricing, and align with the principles of transparency and inclusiveness in public procurement	The clause should be read as – "Bidder has to submit the certificate of successful operation of minimum 5 years of 10 decanter installation Govt. /Semi Govt. Department/Govt. of India."
2.	Form -06 NOTICE INVITING TENDER E-TENDER		Eligibility Criteria-(b)- Physical Criteria The Bidder should have Designed, executed and satisfactorily commissioned at least One Sewage treatment plant of capacity 1.12 MLD or more of SBR technology within last Seven years in India,	Installation of STPs is a specialized field, while pipeline laying is a separate area of specialization. We request to allow Joint Venture (JV)	Agreed and Joint Venture is allowed and be uploaded. One of the partners of any Joint Venture/Consortium has to be designated as Lead

		<p>with at least One Sewage treatment plant should have satisfactory completed Operation and Maintenance for Continuous duration of One year, with plant of the same technology i.e. Advanced SBR technology and should have laid at least 22 Km sewer line successfully having various diameter i.e. 150 mm or more.</p>	<p>wherein partners can collectively put their respective areas of expertise. This approach will enable wider participation of technically competent and specialized agencies, ensure quality execution, and align with the principles of transparency and competitive pricing in public procurement.</p> <p>In many infrastructure and water sector tenders, JV participation is allowed to combine complementary technical and operational expertise, which ultimately benefits the successful execution and long term operation of the project.</p>	<p>partner and the lead partner must hold minimum 51% of the equity capital of the Joint Venture/Consortium to be formed between them during the tenure of the contract implementation.</p> <p>In case of the Joint Venture/Consortium, the credentials of both the JV partners shall be considered for meeting pre-qualifying criteria.</p> <p>Note: If bidder(s) qualifies on the basis of credentials of his principal/ JV partner/ Collaborator/ joint bidder etc., then the Lead bidder shall be responsible for overall design vetting, warranty/ guarantee and completion of the package in all aspects.</p> <p>The maximum partner allowed in the Joint Venture/Consortium will be 02(two). The department will only communicate with Lead partner and have no dealing with other JV partner. The scope matrix clearly defining their respective roles including design vetting, manufacturing of critical component, E&C, O&M etc. and warranty/ guarantee shall</p>
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					be submitted along with the bid. In case of MoU with Technology provider; the bidder will alone be responsible to complete the contract in all aspects.
3.	Volume II B Part 4-1	29	Condition of Contract for Operation and Maintenance Clause No: 01 the O&M period has mentioned 10 years	As per Item Rate BOQ, we have to quote the rates for Operation & Maintenance for 05 years only. Kindly clarify.	The O&M period in Clause 1 should be read as 05 years.
4.	Part 4 Technical Specification	19	Clause No 47 It has mentioned that the Internal Plant Road and approaches shall be 0.5 meter above the site High Flood level.	Kindly provide the Average Ground level and High Flood Level at STP site.	The site is not situated at the bank of River/ Nallah. However, contour plan is uploaded on e-tender website.
5.	Vol III Preamble to price Schedule	06	The value of Civil work has shown 20% of the Contract Value (Excluding O&M)	20% Value of Civil work is less kindly considered it @ 35% of Contract Value (Excluding O&M)	The major percentage weightage shall be taken as- Civil Works: 25% – 35% Mechanical Works: 35% – 45% Electrical Works & Instrumentation: 10% – 20% The other breakup like design, internal breakup schedule, O&M etc will remain same. Note: The above weightage should be finalized while approving the payment schedule offered/submitted by the bidder.
6.	Part 4 Technical specification	20	Clause No 48 It has mentioned that all water retaining structures for Sewage applications shall construct in Sulphate Resistance (CRS) cement and for raw/treated water application & Buildings shall be constructed in OPC Grade 53 as per IS Specifications.	As the Quantity of CRS Cement required for Sewage applications will be very less, so it will not be easily available in market. So, we request you to allow for OPC 43 Grade and	As per NIT document.

				PPC (Fly Ash based cement) which will be easily available in market.	
7.	Part 4 Technical specifications	07	Clause No (e) It has mentioned that Reinforcement for Buildings and Sewage Treatment Units shall be HYSD-CRS (Corrosion resistance steel) of Grade FE 500.	As the Qty of Reinforcement steel will be very less so CRS steel will not be easily available in market, So, we request you to allow for Normal FE 500 Grade steel for reinforcement.	As per NIT document.
8.	Volume II A Part: Extend of work and process requirement.	07	Clause No: 2.9 Land Requirement.	Kindly confirm the size of land already available for the Construction and installation of STP.	Sufficient(Area) Land is Available
9.	Volume III	02	Approach Road	Kindly confirm that the approach road is available up to STP site.	Approach road is Available
10.	Volume II-A Part 2	06	Clause No.: 2.8 Units required in Treatment Process	The number of units specified in the table appears to be oversized; for instance, provision of 2 (1W + 1S) mechanical screens, flocculation chamber, flash mixer etc. and it could lead to unnecessary cost escalation. It is requested to kindly clarify whether the contractor may optimize and design the system based on actual requirements, and get the same vetted/approved, while ensuring compliance with the treated water quality norms specified in the DNIT.	As per NIT document.
11.	Volume II-A Part 2	27	Clause No.: 2.15.2 General Design Requirements	Conventional chlorination systems should be replaced with advanced oxidation	The bidder has option of installation of either

				processes such as ozonation. Ozonation provides chemical-free disinfection with superior oxidizing capability, resulting in enhanced treated water quality. Additionally, it does not leave harmful residuals and significantly reduces dependence on heavy chlorination	Chlorination system OR Ozonation system.
12.	Volume II Technical Specifications	30	Clause No.: 1.2.8 Wet Well	Kindly confirm whether the Submersible Non-Clog Type Pumps are acceptable for Wet Well as they are compact, require no priming, reduce civil and piping costs, minimize cavitation risk, and are better suited for handling sewage with solids in wet well applications.	As per NIT document.
13.	Volume II Technical Specifications	41	Clause No.: 1.3.3 Mechanical Fine Band (Escalator)/Perforated Plate Screen	Kindly confirm whether a mechanical fine bar screen is acceptable in place of a fine band (escalator) screen, as it offers a simpler and more robust design, lower maintenance requirements, improved handling of fibrous and sticky solids without blinding, and more reliable operation under varying sewage conditions.	As per NIT document.
14.	Volume II Technical Specifications	90	Ultrafiltration Units	Kindly confirm the capacity of Ultra Filtration Units.	The Ultrafiltration units should be designed and installed considering the STP capacity.

15.	General			Kindly provide approved Manufacturer make list for E&M Equipment's.	The materials provided should be confirming to IS Standard specifications or above, proven track record and confirming to all relevant codes and manuals.						
Dogra Construction Co. Pvt. Ltd, Distt. Hamirpur (HP)											
16.	NOTICE INVITING E-TENDER, ELIGIBILITY CRITERIA	09	C) Construction Experience in Key Activities: a. EXPERIENCE OF DESIGNING AND EXECUTION OF PROPOSED TECHNOLOGY PROVIDER: Technology provider as a 'Sole Bidder' or as a 'Joint Venture Partner' shall not participate in more than one bid for this tender. However, as a 'Memorandum of Understanding (MoU) partner' technology provider can participate in multiple bids for this tender.	We understand that technology provider can be MOU partner for bidders. But he cannot participate in the bidding process as a bidder or as a JV member. Kindly confirm.	As per NIT document						
17.	Volume II A Part 2: Extent of Work and Process Requirement	24	Process Air Blowers <table><tr><th>Items</th><th>Unit</th><th>Values</th></tr><tr><td>Capacity</td><td>%</td><td>110 (All systems shall use Dissolved Oxygen/Oxygen Uptake Rate control with VFD driven Blower).</td></tr></table>	Items	Unit	Values	Capacity	%	110 (All systems shall use Dissolved Oxygen/Oxygen Uptake Rate control with VFD driven Blower).	Kindly check and confirm the necessity of designing aeration system for 110% of design air capacity as this shall be unnecessarily increasing capacity of air blowers and aeration system resulting in increase in the project cost. Kindly Confirm.	As per NIT document
Items	Unit	Values									
Capacity	%	110 (All systems shall use Dissolved Oxygen/Oxygen Uptake Rate control with VFD driven Blower).									
18.	Volume II A Part 2: Extent of Work and Process Requirement	24	Process Air Blowers <table><tr><th>Items</th><th>Unit</th><th>Value</th></tr><tr><td>Max. SOTE per unit diffuser</td><td>%/</td><td>5</td></tr></table>	Items	Unit	Value	Max. SOTE per unit diffuser	%/	5	We request you to allow us to provide the SOTE per unit diffuser submergence as per standard design of diffuser manufacturer. If required,	As per NIT document
Items	Unit	Value									
Max. SOTE per unit diffuser	%/	5									

			submergence at peak air flow (for design calculations)	m		confirmation from the manufacturer can also be submitted for your records. Kindly Confirm.	
19.	Part 4: Technical Specification SECTION: II TECHNICAL SPECIFICATIONS FOR MECHANICAL WORKS	51	1.3 Process Equipments 1.3.8 Diffused Air Aeration system The pipe work to the tank shall be sized for 125% of the required oxygen transfer capacity to cater for the higher loadings.			Kindly confirm whether designing the aeration system for 125% of the design air capacity is necessary, as it may result in oversizing of blowers, diffusers, piping, and associated electrical systems, thereby increasing the overall project cost, whereas in SBR-based DBO projects, the required process flexibility is typically achieved through VFD-controlled blowers along with standby provisions. Kindly Confirm.	As per NIT document
20.	Part 4: Technical Specification SECTION: II TECHNICAL SPECIFICATIONS FOR MECHANICAL WORKS	52	1.3 Process Equipments 1.3.8.1 Diffused Air Blowers h) Appropriate cooling arrangement shall be provided at the blower discharge line so as to bring down the outlet air temperature within tolerable limits, so as to safeguard the life of fine bubble diffusers and satisfactory performance of the same. This cooling arrangement is mandatory with all types of Blowers.			In previous tenders of Himachal Pradesh, this requirement was not mandatory and the blowers which was provided previously in various Himachal Pradesh tenders are working satisfactory without after cooler arrangement. Hence we kindly request you to allow bidders to provide blowers without the provision of after cooler arrangement. Kindly confirm.	As per NIT document

21.	<p>Part 4: Technical Specification</p> <p>SECTION: II TECHNICAL SPECIFICATIONS FOR MECHANICAL WORKS, Page No. 70</p> <p>Volume II A Part 2: Extent of Work and Process Requirement</p>	23	<p>1.3 Process Equipments</p> <p>1.3.8.4 Aeration Diffusers</p> <p>i). Air diffuser system consist of tube type porous membrane of Acid resistant silicon based rubber with diameter not exceeding 65 mm size, single piece injection moulded PP support tube, SS clams.</p> <p>2.15.2 General Design Requirements:</p> <p>Diffused Aeration System</p> <p>Diffuser material :- PU/EPDM/Silicon elastomer with anti-microbial coating.</p>	<p>There appears to be ambiguity in the tender specifications regarding the material of construction (MOC) of diffuser membranes across different clauses.</p> <p>Kindly clarify the acceptable MOC for diffuser membranes and confirm whether alternative proven materials (such as PU/EPDM/Silicon elastomer) can be considered, subject to meeting the specified performance requirements.</p> <p>Kindly confirm.</p>	As per NIT document.
22.	<p>Part 4: Technical Specification</p> <p>SECTION: II TECHNICAL SPECIFICATIONS FOR MECHANICAL WORKS</p>	70	<p>1.3 Process Equipments</p> <p>1.3.8.4 Aeration Diffusers</p> <p>i). Air diffuser system consist of tube type porous membrane of Acid resistant silicon based rubber with diameter not exceeding 65 mm size, single piece injection moulded PP support tube, SS clams.</p>	<p>The tender specifications for air diffusers appear to be tailored to a specific manufacturer, particularly with respect to the diffuser diameter, which may be considered restrictive.</p> <p>Additionally, there is ambiguity regarding the specified diffuser material.</p> <p>In view of this, we request you to allow the use of PU/EPDM/Silicon diffusers with outer diameters ranging from 65 mm to 121 mm.</p>	<p>PU/EPDM/Silicon diffusers with outer diameters ranging from 65 mm to 121 mm are acceptable.</p>

				<p>A similar request was accepted the previous tenders of Himachal Pradesh.</p> <p>Kindly confirm if the same can be permitted for the current tender.</p>									
23.	Volume II A Part 2: Extent of Work and Process Requirement	23	<p>Diffused Aeration System</p> <table border="1"><tr><td colspan="2">Diffused Aeration System</td></tr><tr><td>Maximum Alpha Factor, α -</td><td>0.60</td></tr><tr><td>Maximum Beta Factor, β -</td><td>0.95</td></tr><tr><td>Maximum Fouling factor, F -</td><td>0.80</td></tr></table>	Diffused Aeration System		Maximum Alpha Factor, α -	0.60	Maximum Beta Factor, β -	0.95	Maximum Fouling factor, F -	0.80	<p>As per the Metcalf & Eddy Wastewater Engineering (5th Edition), the Alpha factor of 0.65 and Fouling factor of 0.95 is acceptable. Therefore, we understand that the bidder can consider the same.</p> <p>Kindly confirm.</p>	As per NIT document.
Diffused Aeration System													
Maximum Alpha Factor, α -	0.60												
Maximum Beta Factor, β -	0.95												
Maximum Fouling factor, F -	0.80												
24.	Volume II A Part 2: Extent of Work and Process Requirement	15	<p>EXTENT OF WORK AND PROCESS REQUIREMENTS</p> <p>2.14.1 Primary Treatment Units</p> <p>SBR Basins</p> <p>SBR process shall be designed to treat peak flow.....</p>	<p>We understand that, the SBR processes shall be designed to handle peak flow and to treat average flow.</p> <p>Kindly confirm whether bidder's understanding is correct.</p>	As per NIT document.								
25.	Part 4: Technical Specification	49	<p>1.3.7 Decanter Assembly</p> <p>Mechanical floating/swing down decanter and related equipment accessories as described herein for each basin.....</p> <p>.....The weir shall be circular in shape and permit liquid to enter the decanter from the entire 360 degrees without obstruction or equivalent.</p>	<p>As per tender both Moving Weir or Floating Decanter are acceptable. However, detailed specifications provided are pertaining to floating type decanter only.</p> <p>Therefore we presume that the moving weir arm decanter shall be acceptable as per the selected technology provider for the SBR system.</p>	Specifications for Moving Weir arm decanter should be in accordance to the approved manual published by the Central Public Health and Environmental Engineering Organisation (CPHEEO).								

				Kindly confirm.	
26.	Part 4: Technical Specification	71	1.3.8.5 Air supply Pipe Work General design Criteria However the air piping submerged in sewage has to be in SS316 confirming to IS specification.	In several SBR installations across India, uPVC has been successfully used as the material of construction (MOC) for diffuser air grids, with satisfactory performance and no operational issues. Accordingly, we request you to allow the use of uPVC diffuser air grids in place of SS316. A similar request was accepted during the previous tenders of Himachal Pradesh. Kindly confirm if the same can be considered for the current tender.	uPVC is acceptable for grid only.
27.	NOTICE INVITING E-TENDER	08	c) Construction Experience in Key Activities: a. EXPERIENCE OF DESIGNING AND EXECUTION OF PROPOSED TECHNOLOGY PROVIDER: Bidder has to submit the certificate of successful operation of minimum 5 years of 15 decanter installation Govt. /Semi Govt. Department/Govt. of India.	The clause regarding successful operation for 5 years and 15 installations in India appears to be applicable to all technology providers. A similar clarification was accepted during the previous tenders of Himachal Pradesh. Kindly confirm if our understanding is correct.	Clarified in Sr no 01.
28.	Part 4: Technical Specification	58	SUBMITTALS A. Bidder shall provide the following with bid:	We presume that Process description, system flow diagrams, Layout plan, P&I diagrams, hydraulic flow diagram only needs to be	As per NIT document.

		<p>1. Dimensional drawings of the specified blower unit(s). Dimensional drawing shall provide overall height and footprint dimensions of the blower unit(s). Dimensional drawings shall also include piping, electrical and instrumentation dimensions to all customer's connections.</p> <p>2. Copy of SUPPLIER's ISO 9001 Certificate.</p> <p>3. Installation list of blowers with equipment model and application type.</p> <p>4. CE certification of the product</p> <p>Failure of the SUPPLIER to provide the information listed above with its Bid may be ground for rejection of the Bid.</p> <p>Volume II A Part 2: Extent of Work and Process Requirement, Page No. 03</p> <p>2.2 Treatment Technology</p> <p>.....Bidder must provide all information necessary for complete evaluation of his SBR technology by the Employer, including drawings, design calculations, technical specifications, datasheets proposed construction/installation methodology and other relevant details. Any bid without above information will be considered as non responsive and summarily rejected.</p> <p>Volume II A Part 2: Extent of Work and Process Requirement, Page No. 08</p> <p>2.11 Plant Layout and Hydraulic Profile</p>	<p>submitted by the bidder along with the Technical bid for bid evaluation purpose. And other document shall submitted by successful bidder for approval purpose before execution of the work.</p> <p>Kindly confirm.</p>	
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		<p>The Contractor shall ensure that the layouts and hydraulic profiles submitted as part of the Contractor's bid.....</p> <p>Volume II A Part 2: Extent of Work and Process Requirement, Page No. 14</p> <p>2.14 Process and Facilities Description</p> <p>The Bidder shall submit plant layout, process calculations, hydraulic calculations, hydraulic flow diagram, P&ID, mass balance calculations, electrical load list etc. along with technical bid for his proposed technology to illustrate the offer submitted with all technical details.</p> <p>Volume II A Part 2: Extent of Work and Process Requirement, Page No. 10</p> <p>2.16.4 Bid Drawings and Details</p> <p>The bidder shall be responsible for including any and all drawings and information for any and all works that may be necessary for full and complete definition or clarification of the design, regardless of whether or not such drawings, information, or works are explicitly included in the lists below or elsewhere in these bid documents.</p> <p>General and Process</p> <p>(i) Narrative Description of the Works</p> <p>(ii) Plant Operation and Control Philosophy</p>		
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			<p>(iii) Sizing and Design Calculations covering all Major Unit Processes and components of the Works</p> <p>(iv) List of all structures (basins, tanks, channels, buildings, etc.) including dimensions and freeboards</p> <p>(v) Complete Equipment List</p> <p>(vi) All Equipment Catalogues and selection chart (with all relevant manufacturers' documentation).</p> <p>(vii) Major Piping Schedule to include service (process stream), installation type (e.g., buried, exposed, submerged, etc.), size, material, coating, lining, joint type(s), gauge/thickness, pressure rating, testing protocol, design standards</p> <p>(viii) Major Valve Schedule to include service (process stream), installation type (e.g., buried, exposed, submerged, etc.), size, type, material, joint type(s), pressure rating, differential pressure rating, testing protocol, design standards, operator/actuator type, and whether Open/Close or Modulating</p> <p>(ix) Major Gate Schedule to include service (process stream), installation type (e.g., buried, exposed, submerged, etc.) size, type, differential head, seating or unseating, testing protocol, design standards, operator/actuator type, and whether Open/Close or Modulating</p> <p>(x) Plant Layout.</p> <p>(xi) Hydraulic Profile.</p>		
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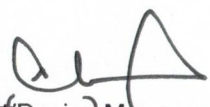
			<p>(xii) Process Flow Diagram.</p> <p>(xiii) Piping and Instrumentation Diagrams (P&IDs)</p> <p>(xiv) Electrical Load List & Power Consumption Chart.</p> <p>(xv) List of Chemical Consumption on Daily/ Monthly Basis.</p>		
29.	Volume II A Part 2: Extent of Work and Process Requirement	10	<p>2.16.4 Bid Drawings and Details</p> <p>Mechanical</p> <p>(i) To-scale dimensional layout and/or installation drawings minimum for the following Equipment :</p> <p><input type="checkbox"/> Major gates</p> <p><input type="checkbox"/> Fine Screens</p> <p><input type="checkbox"/> Grit removal equipment</p> <p><input type="checkbox"/> Fine Bubble Diffusers</p> <p><input type="checkbox"/> Process Air Blowers</p> <p><input type="checkbox"/> Secondary Clarifiers</p> <p><input type="checkbox"/> Return activated sludge pump sets</p> <p><input type="checkbox"/> Gravity Sludge Thickeners</p> <p><input type="checkbox"/> Thickened sludge pump sets</p> <p><input type="checkbox"/> Sludge Dewatering Centrifuges</p>	<p>The drawings and documents mentioned under these sections pertain to detailed engineering stage. Therefore, we request you to allow bidders to submit all these drawings & documents mentioned under mechanical, electrical, instrumentation, control & automation, after award of work by successful bidder for approval purpose before execution of the work.</p> <p>Kindly confirm.</p>	<p>The understanding is correct.</p>


		<p>☐ Chlorination system</p> <p>☐ Plant Water Pumps</p> <p>☐ Plant Drain Pumps</p> <p>(ii) Graphs for all major pumps and blowers (including but not limited to Return Activated Sludge Pumps, Thickened Sludge Pumps, Centrifuge Feed Pumps, Process Air Blowers)</p> <p>☐ Pump Performance Curves : Q vs H, speed, P, Efficiency, and NPSH</p> <p>☐ ISO-efficiency curves of the pump model proposed</p> <p>Electrical</p> <p>(i). Equipment layout</p> <p>(ii). Earthing layout</p> <p>(iii). Cable routing layout</p> <p>(iv). Lighting and power layout</p> <p>(v). Electrical Load List</p> <p>(vi). Electrical Single Line Diagram of STP</p> <p>(vii). Sizing Calculations for Transformers and DG Sets</p> <p>(viii). Specific Energy Consumption</p>		
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			<p>(ix). Technical Schedules for Electrical Works duly filled in</p> <p>(x). Instrumentation SCADA</p> <p>(xi). Construction schedule</p> <p>Instrumentation, Control & Automation</p> <p>(i) P&IDs for the complete process indicating all the local & remote /panel mounted measurements & controls, alarm & interlocking functions, using ISA symbols.</p> <p>(ii) Consolidated instrument list (Instrument Index) indicating description, application, location, type, quantity, accuracy, process parameters, measuring ranges, etc.</p> <p>(iii) Tentative instrumentation power (UPS & Non UPS) & air requirements, as applicable.</p> <p>(iv) Automation system configuration diagram along with a write up explaining the system functions, redundancy features, interfacing with other systems, etc.</p>		
30.	General		STP Site Levels	<p>Kindly provide following:</p> <ol style="list-style-type: none"> 1. FGL at site location 2. Incoming sewer level 3. High Flood Level 	Clarified in Sr No 04
31.	General		Plot Plan	Kindly provide the plot plan for proposed STP.	The contour plan shall be uploaded on the e-tender website.
32.	1.10.1_Technical Particulars_ SECTION: IV	383	Processor Redundancy - Dual redundant hot stand-by	We understand that redundant Processor has been specified to avoid long interruption in the plant operation & controls.	As per NIT document


				Alternatively, it can also be achieved by providing normal non-redundant PLC along with spares such as preprogrammed PLC hardware like CPU, Power supply etc. In the unlikely event of PLC system failure, the same can be made functional within 1-2 hrs with the help of the spares. Kindly confirm that we can consider non-redundant PLC with required spares.	
33.	1.10.1_Technical Particulars_ SECTION: IV	389	SCADA Development License Software, PLC Development License Software, SCADA Run Time License Software	Operator available in STP plant are not skilled to do programming of SCADA system and it is dangerous to do changes in SCADA with them. For this Expert programmer is required, who always carry required licenses with them. Hence, we request you to consider runtime software for SCADA.	As per NIT document
34.	1.10.1_Technical Particulars_ SECTION: IV	387	PLC hardware: G3 rated	G3 rated/Conformal coated hardware is generally considered for harsh and corrosive environment, whereas in STP's environment will not be harsh or corrosive. Also, PLC will be installed in air-conditioned room. Hence, we request you to re-consider normal PLC Hardware.	As per NIT document
35.	1.11_Control Philosophy for	392	Historian system	Alarm & trends are store in computer-based SCADA with inbuilt capability SQL server,	As per NIT document


	different Units_ SECTION: IV			hence separate system is not required to store data. We request you to consider PLC & SCADA system without Historian.	
36.	1.10 Instrument control panel with PLC based SCADA (Supervisory Control & Data Acquisition) system SECTION: IV	379	System initialization and application software shall be stored in EEPROM with necessary hardware	Please allow us to consider the system with latest modern functional requirement which meets the inbuilt features of non-volatile flash memory integrated inside the CPU instead of EEPROM or EPROM with necessary hardware. Kindly confirm.	As per NIT document



Asst Design Manager
SJPNL -Shimla (H.P.)


Procurement/Contracts Manager
SJPNL -Shimla (H.P.)


Finance Manager
SJPNL -Shimla (H.P.)


Additional General Manager
Sewerage
SJPNL -Shimla (H.P.)


General Manager (Operations)
SJPNL -Shimla (H.P.)


MD-cum-CEO
SJPNL -Shimla (H.P.)

Attendance Sheet of Pre bid meeting of the tender Design, supply, construction, installation, testing and commissioning of Sewage Treatment Plant of 1.40 MLD at Dhalli-II at Ghati Mohanpur Shimla held on 10.04.2026 in the office chamber of MD-cum-CEO, SJPNL.

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