

Pre - Bid Queries/Clarificatons

The comments made might be applicable to several other clauses in the Tender Documents than the reference clause.

Bid Documents - Part A

Sr. No.	Part A Page No.	Section Page No.	SEC/ PART	Sub Section	Clause No.	Clause Description	Bidder Comment 1	Employer Reply 1	Bidder Comment 2	Employer Reply 2
1	Page 4/238	page 2/3	Intent of specification	Intent of specification	1.01.00 Scope of the Proposal 2.iv	Compliance with statutory requirements and obtaining clearances from statutory authorities, wherever required;	Bidder requests Employer to take responsibility of the Approvals and Clearances to be taken in the name of the Employer. This applies to reference of Statutory Approvals here and anywhere else in the tender document.	Environment Clearance, CRZ Clearance and Wild Life Clearance shall be taken by the Employer. Remaining Clearances and Approvals shall be sought by the Bidders	Contradictory responses noted on the point in different clarification sheets. Request NVVN to please confirm that the response mentioned against this point is to be considered by bidder.	Environment Clearance, CRZ Clearance , Wild Life Clearance and Consent to Establish shall be taken by the Employer. Remaining Clearances and Approvals shall be sought by the Bidders.
2	Page 21/238	page 6/69	TS SECTION VI, PART A,	VOLUME III	11.02.00 SCOPE OF WORK (j)	Effluent treatment system consisting of clarifier/tube settler, oil water separation system etc. to make waste water usable, to the extent possible and to comply with CPCB/SPCB norms for final discharge of remaining water into sea.	Only effluent from the plant is rejected water from RO Plant this can be discharged in to sea.	Bidder to comply to Technical specifications Requirements	Only effluent from the plant is rejected water (1m3/hr) from RO Plant this can be discharged in to sea. Bidder therefore doesn't envisage need of ETP.	Bidder to refer previous reply.
3	Page 87/239	(page2/28)	TS SECTION VI, PART A,	VOLUME IV	3.01.00 Note	Bidder shall use Hydrogen/Carbon Relation Ratio under GRI method as per ISO/TR 22302:2014(E) for calculating the Methane number for deciding reference point of correction curve as well as for calculating the Methane number of supplied gas during Performance guarantee test. Bidder shall necessarily submit the calculation of reference methane number as mentioned above along with the bid.	Bidder uses the EN 16726 standard for calculating methane number. Employer is requested to consider the same.		The question was missed out and later shared as separate email on 27 August 2020. Bidder shall use Hydrogen/Carbon Relation Ratio under GRI method as per ISO/TR 22302:2014(E) for calculating the Methane number for deciding reference point of correction curve as well as for calculating the Methane number of supplied gas during Performance guarantee test. Bidder shall necessarily submit the calculation of reference methane number as mentioned above along with the bid.	Bidder to comply technical specification requirement.
4	Page 89/237	(page5/28)	TS SECTION VI, PART A,	VOLUME IV	3.04.01	Performance test of each Engine (output & Heat rate) shall be calculated during PG tests at Site. During evaluation of Performance Guarantee Test results, corrections shall be applicable only for following: a. Methane Number RLNG fuel b. Power Factor c. Frequency	Bidder requests NVVN to kindly specify the Ambient Conditions like last tender and also consider Ambient derating graph for corrections. Methane number , Fuel LHV , Gas Pressure , Ambient Temperature and Relative Humidity as well as Altitude all of these affect the performance of gas engines.	Bidder to refer Cl. No. 4.03.01 of VolIV, Part A of technical specification for ambient conditions. Bidder to comply specification requirement.	Bidder noted that site conditions mentioned at Cl. No. 4.03.01 of VolIV, Part A will be referred for Guarantee Ambient Conditions. We further request NVVN to consider Ambient derating graph for corrections. Methane number , Fuel LHV , Gas Pressure , Ambient Temperature and Relative Humidity as well as Altitude all of these affect the performance of gas engines.	Cl. 4.03.01 of Vol IV gives a design reference as well as range of variation of parameters. As confirmed by various vendor during pre-NIT stage, variation on ambient parameters are not considerable and hence no correction provided.
5	Page 93/238	(page 9/28)	TS SECTION VI, PART A,	VOLUME IV	6.02.03	NOx Control equipment shall be designed to achieve the above specified NOx level in all ambient conditions specified.	Bidder requests NVVN to let bidder decide the solution for Nox control.	Bidder has to meet the specification requirement of NOx control as per Cl. 1.03.01(i) of Vol V, Part A	Bidder requests NVVN to let bidder decide the NOx control methodology. Bidder will ensure Tender NOx requirement is met.	Bidder to refer previous reply.
6	Page 106/238	(page22/28)	TS SECTION VI, PART A,	VOLUME IV	15.08.02 (a)	The Bidder or its Sub-vendor should have manufactured and supplied the solar PV modules of cumulative installed capacity of 1MWp or above using any rating of modules and any source of indigenous or imported PV cells in any one financial year.	Bidder proposes NVVN to remove the requirement of 'manufacturer' from qualification of solar PV Vendor as it would be difficult to get the same for 40kWp power requirement.	As this clause is for Module manufacturer, it is relevant for any small capacities also. Bidder to comply with specifications	Bidder proposes NVVN to remove the requirement of 'manufacturer' from qualification of solar PV Vendor as it would be difficult to get the same for 40kWp power requirement.	The bidder has some confusion in this related,as this requirement is for the solar PV module manufacturer not for the bidder.For the solar PV module manufacturer this requirement will not be a problem
7	Page 116/238	(page 4/9)	TS SECTION VI, PART A,	VOLUME-V PERFORMANCE GUARANTEES	1.03.01 (ii)	Noise level (near field and far field) of Engines, Generators/Alternators and including all the auxiliaries and their system at 100% and 80% of the base load of Gensets as per the applicable Norms.	Bidder requests guarantees be only at 100% loading. 80% load can be measured but only for reference not as guaratees. Request NVVN to kindly share the referred Norms or preferably the exact value.	Bidder to comply specification requirement regarding guarantees. Regarding Norms please refer amendment.	"85 dBA at 1m from source" , bidder understands this means 85 dBA at 1m outside power plant boundary. Noise attenuation is achieved by suitable design of engine hall wall panels and roof. Acoustic enclosure is not possible for this range of Gensets. Bidder requests NVVN to re-consider guarantee at only 100% loading.	Please refer Annexure-IA, Vol IV, Part A, Sec VI. Specification requirement is clear in this regard.
8	Page 126/238	(page 5/71)	TS SECTION VI, PART A,	VOLUME-VI GENERAL TECHNICAL REQUIREMENTS	5.06.00	Two (2) English language copies of all national and international codes and/or standards used in the design of the plant and equipment shall be provided by the Contractor to the Employer within two (2) weeks from the date of the Notification of Award.	Submission of standards are not possible.	Bidder to comply specification requirement.	These being license based , submitting standards is not possible.	Refer amendment.
9	Page 129/238	(page 8/71)	TS SECTION VI, PART A,	VOLUME-VI GENERAL TECHNICAL REQUIREMENTS	B) DETAILED ENGINEERING DOCUMENTS	xvi) Instrument schedule, measuring point list, I/O list, Interconnection & wiring diagram, functional write-ups, installation drawings for field mounted instruments, logic diagrams, control schematics, wiring and tubing diagrams of panels and enclosures etc. Drawings for open loop and close loop controls (both hardware and software). Motor list and valve schedule including type of actuator etc.	Bidder propose deviation as information sought are proprietary. However bidder proposes to share limited information which shall be discussed during detailed Engg.	Bidder to comply specification requirement.	Bidder propose deviation as information sought are proprietary in nature. However bidder proposes to share limited information which shall be discussed during detailed Engg.	These document are indispensable from detailed engineering point of view. Therefore Bidder has to comply specification requirement.

10	Page 129/238	(page 8/71)	TS SECTION VI, PART A,	VOLUME-VI GENERAL TECHNICAL REQUIREMENTS	B) DETAILED ENGINEERING DOCUMENTS	xviii) Sequence and protection interlock schemes	Bidder proposes to discuss such requirement during detailed engg.	Bidder to comply specification requirement.	Bidder proposes to discuss such requirement during detailed engg.	These document are indispensable from detailed engineering point of view. Therefore Bidder has to comply specification requirement.
11	Page 93/238	page 9/28	TS SECTION VI, PART A,	Vol IV	6.02.01	The Guaranteed NOx level (on dry volume basis correspond- ing to 15% excess oxygen in flue gas) for each Engine shall be as follows: RLNG - less than 80 ppm	This needs to be discussed, as per Emission standard mentioned in MOEF dated 22.12.1998 for Gas / Naphtha based power plants mentions the NOx level to be less than 100 ppm @ 15% O2. Also request to clarify if environmental clearance for NOx Emission level de- fined as 80 ppm @ 15 % O2, has been obtained by client / owner.	Provisions of Bid Documents and its amendments shall Prevail. Environmental Clearance for the said Project shall be taken by the NVVN and its in progress.	Request NVVN to consider the MOEF norms for Nox	Bidder to comply specification requirement
12	Page 39/238	page 24 of 69	TS SECTION VI, PART A,	Vol-V	21.09.02	The Contractor shall be responsible for making all necessary arrangements required for conductance of specified tests and accordingly the cost associated with the specified tests shall be included in the bid price. Contractor shall pro- vide permanent arrangements in various equipment/systems for conductance of Performance and Guarantee tests by the Owner periodically. Employer's/ Client's responsibility shall be limited to ensure power evacuation and arranging fuel.	For performance testing, provision of 100% load is client's responsibility	Provisions of Bid Documents are clear and shall Prevail. Employer's/Client's responsibility shall be limited to ensure power evacuation and arranging fuel.	We understand at the time of performance test at site suitable load will be provided the Employer's responsibility.	Bidder to refer previous reply.
13						General	If plant not commissioned after complete installation, Who will responsible for preservation of genset and other utility? And for how long? Who will bare cost of preservation?	The Preservation of facilities, if required after the complete installation shall be in the scope of Bidder. Further please refer clause 25 of GCC.	After a agreed duration deemed acceptance to be considered.	The Preservation of facilities, if required after the complete installation shall be in the scope of Bidder. Further please refer clause 25 of GCC.
14						General	We are unable to locate the "cure period", which is generally provided or incorporated in commercial contracts. Moreover, considering the fact the geographical location or site location may pose difficulty in operation; consequently, delay in performance can- not be rule out. Therefore, we request that at least a cure period of 45 to 60 days should be provided; considering the quantum of liquidated damages.	Provisions of Bid Document shall prevail.	Request NVVN to share the reference clause for cure period.	Provisions of Bid Document shall prevail.The stipulated time period of completion is already extended to 28 months
15	Page 210/238	Page 18 of 46	TS SECTION VI, PART A,	Vol - III	36.05.00 (m	m) Compliance to all environment and other conditions stipulated by the concerned statutory authorities while according clearance / NOC (No objection certificate) to the project.	Bidder's understanding is that the compliance is limited to construction works related only.	Compliance to all environment and other conditions stipulated by the concerned statutory authorities while according clearance / NOC (No objection certificate) to the pro- ject including construction work, transportation, sanitation, water supply etc.	We understand that Andaman is having multiple state statutory compliance requirement we would like to know which State govt Norms will be followed.	Provisions of Bid Document and its amendments are clear and shall prevail. The Bidder is envisaged to do it own due diligence.
16	Page 4 /238	Page 2 of 3	TS SECTION VI, PART A,	Vol - I	1.01.00 v)	Complete manufacturing including shop testing/type testing.	Type Test: Will the certificate of type test be valid? Or repeat tests are needed? We also propose to discuss with you the equip- ment which will have type test requirement, since for small motors or pumps which are part of skid, such type test requirement shall not apply	Shop test/Type tests are to be conducted as stipu- lated in relevant chapters of specification. Certificate produced will not be valid for the equip- ments identified for shop test/type test in the spec- ification.	For equipments which are type tested only certificates will be provided. No new test apart from Generator and Transformer are considered in in our Bid.	Bidder to refer previous reply.
17	Page 7 /238	Page 2 of 10	TS SECTION VI, PART A,	Vol - I	36617	Land Availability	This needs to be discussed	Bidder to comply specification requirement	Entire power plant designed and costing is based on the topography information shared with us. Employer to ensure availability of land shown in the topography	Availability of land is as shown in tender drawing "General layout Plan" dwg no. 6400-999-POC-F-001
18	Page 21 /238	Page 6 of 69	TS SECTION VI, PART A,	Vol - III	12.01.00, a)	Two (2) numbers (2x100%) oil free, rotary screw type air cooled air com- pressors for instrument air and ser- vice air applications for complete plant each of adequate capacity & ad- equate pressure, with their motor drives and other accessories as per equipment sizing criteria mentioned in Volume-IV (Plant Performance & Design Philosophy), Part-A of Tech- nical Specification. However, mini- mum capacity of each air compressor shall be 5 Nm3/min at discharge pres- sure of 8.0 Kgf /cm2 (g).	We shall be supplying air cooled reciprocating type compressor and rating shall be as per OEM requirement, sufficient for start and control air system (no separate instrument air compressor is required). We have control air module for instrument air supply for plant and service air requirement. The air receiver shall be designed suitable for 3 start of the engine. The compressors capacity will be sufficient to charge the air receivers from atm to max. pressure required in 60 minutes.	Reciprocating Compressors are now obsolete. Bidder to comply with specification requirements.	Request NVVN to reconsider OEM std. design and it is being used globally by us. Also we do not have any PTR for the requested compressor type, we request NVVN to accept our request.	Bidder to refer previous reply.
19	Page 21 /238	Page 6 of 69	TS SECTION VI, PART A	Vol - III	12.01.00, b)	Two (2) numbers (2x100%) air cooled Air Drying Plants (one for each air compressor) of adequate capacity with all interconnecting piping, valves, fittings, etc	Control Air module, 1 per 2 Engines including air dryer shall be supplied as per OEM standard design. No separate compressors are required. In case of redundancy, we can supply one additional control air module.	Dedicated air drying plants for IA & SA application has been envisaged. Bidder to comply with specification requirements	Starting Air do not require any drying plant hence not considered. Instrument Air drying plant is part of the offered system.	Bidder to refer previous reply.

20	Page 28 /238	Page 13 of 69	TS SECTION VI, PART A	Vol - III	16.01.00, a)	The requirements of statutory Author- ities (e.g. MOEF, Inspector of Facto- ries, IBR, TAC, CPCB/SPCB/CERC etc. with regard to various plant areas like main plant, Chlorinating Plant, Fire-fighting system, Emission meas- urements etc.) shall be complied even if not actually spelt out.	This needs to be discussed.	Bidder to comply specification requirement	NVVN to confirm Approvals are as per Clarification 1 above	Environment Clearance, CRZ Clearance and Wild Life Clearance shall be taken by the Employer. Remaining Clearances and Approvals shall be sought by the Bidders
21	Page 36 /238	Page 21 of 69	TS SECTION VI, PART A	Vol - III	19.02.14	Complete sewage collection including sewage treatment plant and disposal system of the plant and its convey- ance either by pumping or by gravity to the sewage treatment plant.	Does it means connecting the STP plant within power plant building to any main STP plant?	Complete Sewerage system including collection & conveyance of sewage either by pumping or by gravity to the sewage treatment plant, disposal and reuse of treated sewage for hoticulture etc. and sewage treatment plant(STP) are in bidder's scope.	We have considered Septic Tank/Soak Pit adequately designed.	Bidder to refer previous reply.
22	Page 88 /238	Page 4/28	TS SECTION VI, PART A	Vol - IV	3.02.00	The Power Consumption of entire common auxiliaries shall be the power consumed by the respective auxiliary at design point as deter- mined during shop test. In case shop test power consump- tion 3.02.00for equipment/system mentioned above is not available, then rated power consumption of the equip- ment/system shall be taken into ac- count while calculating Net Power Output In case any of the above mentioned equipment/system is not required to be operated during the Performance Guarantee tests, power consumed by the equipment/system shall be taken into account while calculating the Net power output.	The Shop test / test at manufacturer's works shall be carried as per manufactur- er's standard test protocols, without any project specific auxiliaries. The clause herewith is needed to be dis- cussed. And in case the above mentioned equip- ment are required to be operated, then what shall be the performance evaluation criteria?	Shop tests shall be as per relevant sections defined in QA chapter of Part B of specification. Bidder to comply specification requirement. The power consumption of the all mentioned equip- ments shall be considered as per referred clause of Query.	Power Consumption will only demonstrated at site during performance. The aux power consumption with project specification aux is not possible during shop test	Refer amendment.
23	Page 88 /238	Page 4/28	TS SECTION VI, PART A	Vol - IV	3.03.00	LHV of the fuel shall be calculated as per relevant codes and standards. Detail procedure for calculating LHV of the fuels shall be finalized at the time of finalizing Performance Guarantee test procedure.	LHV is calculated but software licensed / purchased by OEM, consider proprietary and cannot be shared	Bidder to comply specification requirement.	The calculation of LHV is not responsibility of Bidder. It shall be provided by Owner or gas supplier. The LHV no. shared will be used for calculating performance nos. which shall be done at the time of finalizing Performance Guarantee test procedure	Bidder to refer 3.01.01(a) of Vol IV, Part A for conversion factor of GHV & LHV.
24	Page 105/238	Page 21/28	TS SECTION VI, PART A	Vol - IV	15.07.03	Successful Bidder shall finalize the agency (ies) for each work in consul- tation with Engineering- charge at site before engaging them	This needs to be discussed.	Bidder to comply Specification requirement	The list of sub suppliers and sub-contractors shall be submitted to Engineering In-charge for information during bid and during execution stage	Bidder is requested to comply specification requirement. Agencies shall be finalised after consultation with Engineer incharge
25		Page 25 of 69	TS SECTION VI, PART A	VOLUME III	23.02.00 (f)	Supplied mandatory spares shall be under the ownership of client/owner and same shall not be taken into account by the contractor for the scope of O&M contract.	We request owner to allow use of mandatory spare during O&M period by Bidder for attending any unplanned maintenance. The bidder will replenish the same at free of cost.	Bidder to comply with the provisions of Bid Document.	We request owner to allow use of mandatory spare during O&M period by Bidder for attending any unplanned maintenance. The bidder will replenish the same at free of cost. We request NVVN to reconsider, this point.	Bidder to refer previous reply.
26		Page 4 of 9	TS SECTION VI, PART A	VOLUME-V PERFORMANCE GUARANTEES	1.02.04.(b)	'Availability' of each Genset:	Note to be added for clarification: 1. For Purpose of Calculation "P" Net Power Generation of genset, the accepted value of "P" post PG test Value after LD application if any shall be used. 2. LD s for Annual Availability shall be calculated at end of each Operating year.	1. Specification requirement is clear. "P" shall be the quoted value. 2. Bidder to refer Cl. No. 3.01.00 of Vol V, Part A. LD will be levied at the end of every year for 03 years. Specification requirement is clear in this regard.	Note to be added for clarification: 1. For Purpose of Calculation "P" Net Power Generation of genset, the accepted value of "P" post PG test Value after LD application if any shall be used. After LD application in performance test if any after EPC completion, the accepted value post LD should be applicable during O&M. We request NVVN to reconsider, this point.	Bidder to refer Cl. No. 1.02.04. Specification requirement is clear in this regard.
Bid Document - Part B										
1	Page 7/581	(page 5/19)	TS SECTION VI, PART-B	VOLUME-I CHAPTER – M1	1.02.02.00 Purification System		Bidder doesn't envisage the need for Lube Oil purification system.	ThereferredOilpurification system is external purifier which shall be used for transferring of oil from one tank to another and wet oil sump. Hence, the capacity mentioned is in order. However capacity of engine integral purifier(If any) can be as per OEM standard.	Gas being a cleaner fuel , Lube Oil purification system is not required for Gas engine based power plants. Request NVVN to re-consider.	Bidder to refer previous reply
2	Page 9/581	(page 5/19)	TS SECTION VI, PART-B	VOLUME-I CHAPTER – M1	1.02.02.05 a	Oil return lines from bearings are fitted with sight glass (as per OEM practice).	As per OEM standard no sight glass are fitted on oil return line of bearing. We understand OEM standard will be acceptable.	Sight glass to be fitted in oil return line.	Tender requirement cannot be met as the oil lines are engine mounted and as per OEM design.	Refer Amenment.
3	Page 50/581	(page 14/36)	TS SECTION VI, PART-B	VOLUME-I CHAPTER – M4	8.01.00 (i)	i) Stainless Steel to ASTM A312, Gr. 316L welded for sizes 65 NB and above. stainless steel to ASTM A312, Gr. 316L sch.40s seamless for sizes 50 NB and below.	Bidder proposes to use carbon steel for piping.	Bidder to comply with specification requirements.	Bidder proposes to use carbon steel for piping.	Bidder to refer previous reply
4	Page 301/581	(page 11/52)	TS SECTION VI, PART-B	VOLUME-III CHAPTER-III-C	4.00.00	CONTINUOUS EMISSION MONITORING SYSTEM	The specification mentioned herein is not required for a plant of this capacity. NVVN to reconsider requirement of NMHC analyser.	Bidder to comply with specification requirements.	As per our experience of GEG plants NMHC is not required for a Gas Engine based power plant. Request NVVN to reconsider and pursue the same in your EC application.	Bidder to refer previous reply

5	Page 347/581	(page 5/37)	TS SECTION VI, PART-B	VOLUME-IV CHAPTER-IVD	3.01.06	Plinth level of all buildings shall be kept at least 500 mm above the finished grade/formation level.	Suggested Plinth level is 300 mm since the soil is rocky.The storm water will be drained through gravity and through the grades	Bidder is requested to comply the provisions of technical specification	Request NVVN to reconsider	Bidder to refer previous reply
6	Page 359/581	(page 17/37)	TS SECTION VI, PART-B	VOLUME-IV CHAPTER-IVD	7.03.00	O&M Store- Permanent store shall be of suitable size and this will be of mixed construction with structural steel roof truss/purlins supported over RCC columns.	Already part of the utility block building.	Bidder is requested to comply the provisions of technical specification	Already part of the utility block building.	Bidder to refer previous reply
7	Page 262/581	(page 20/37)	TS SECTION VI, PART-B	VOLUME-IV CHAPTER-IVD	10.03.00	RCC drains located within and along both sides of peripheral roads of the main plant shall be covered with perforated precast RCC slabs of minimum 100 mm thickness with provision of openable galvanized steel grating covers at about 4.0 metre intervals.	Bidder proposes to consider one side drain as the space is limited	Bidder is requested to comply the provisions of technical specification	Due to space constraint the motorable road can be built with one side drain. The drain design will take care of the strom water requirment with propoer road alignment so as to avoid road flooding. Rquest NVVN to reconsider bidder solution.	Bidder to refer previous reply
8	Page 363/581	(page 21/37)	TS SECTION VI, PART-B	VOLUME-IV CHAPTER-IVD	11.01.00	The roads shall be (6.5 metre wide) with 5.5 metre wide concrete pavement and 0.5 metre wide raised shoulders on both sides of the roads and drain of 0.5 m on both side.	Due to space constrain, Bidder suggests to keep shoulder to one side.	Bidder is requested to comply the provisions of technical specification	with above reason we request NVVN to consider Bidder suggestion.	Bidder to refer previous reply
9	Page 366/581	(page 24/37)	TS SECTION VI, PART-B	VOLUME-IV CHAPTER-IVD	13.02.01	Sand Cast Iron pipes with lead joints conforming to IS: 1729 shall be used for sanitary works above ground level.	Bidder requests employer to consider sanitary pipes as PVC 6kg/cm2 instead pf cast iron pipe	Bidder is requested to comply the provisions of technical specification	Request NVVN to reconsider	Bidder to refer previous reply
10	Page 402/581	(Page 17/17)	TS SECTION VI, PART-B	VOLUME-IV	Test Result	Appendix III Site Layout	Request NVVN to provide a readable copy of General Layout Plan (6400-999-POC-F-001) along with the contour lines.	General layout Plan is already provided in tender at page 380 of 581 Part -B For Topographical survey data, refer Tender Drawing No. CCPL/1178/2 Rev-1 at page no.420 of 581 Part- B	The drawings in the tender document are already referred. They are not very clear we therefore request NVVN To share readable copies of the drawing.	The drawing General Layout Plan (6400-999-POC-F-001) in the tender document are very clear and readable. Refer Page No. 380/581
11	Page 299/581	Page no. 9 of 52	TS SECTION VI, PART-B	Vol III	37744	Transmitter shall be HART compatible, have EMC compatibility as per EN 61326, weather proof IP-67 metallic housing with durable corrosion resistant coating, plug and socket type electrical connection, integral digital display with self-indicating diagnostics, operating ambient temperature of 85 deg C without display & 70 deg C with display, suitable for 2 inch pipe mounting in enclosure/rack.	Please clarify whether display is required for TT ? Does this mean that TT having max design amb temp 85 deg C shall be without display and the TT having max design amb temp 70deg C shall be with display? Please confirm whether my understanding is correct.	As per referred clause, Temperature transmitters (TT) shall be provided with integral digital display with self-indicating diagnostics. Accordingly, TTs with operating ambient temperature of 70 Deg C with display shall be provided.	The engine power plant control system is a modular PLC based control system. All regular instruments and actuators are directly connected to distributed I/O units.Advanced instruments are connected to the plant control system.With this design, HART-based instruments are not used.	Bidder to comply with the specification requirement.
12	Page 422/581	Page 2 of 12	TS SECTION VI, PART-B	Vol V		The bidder has to install the solar PV rooftop system on the buildings in this package on the basis of 15 square metre area (shadow free) per kwp and the bidder shall also consider utilizing all the roof-tops(Buildings) for installing solar PV project. The final plant capacity shall be as per detailed approved engi-neering design of each of the buildings rooftops.	Owner may please specify minimum total KW rating of roof top solar plant system for bid purpose. Any change in kw rating shall be dealt through per kw rate for addition/deletion at later stage.	From our past experiences, NTPC is not mentioning the minimum capacity for solar PV rooftop. The same will be decided during detailed engineering stage. Bidder to comply with specifications	NVVN to confirm that bidder's quoted rating would be final and any change in kw rating shall be dealt through per kw rate for addition/deletion at later stage.	Bidders understanding is in line with specifications
13			General			Land for laydown	Very small area is allocated for laydown and pre-assembly. Bidder understands that additional land if required for laydown, office, fabrication yard, stores, batching plant etc. shall be arranged by Owner near to plant boundary. Please confirm.	Bidder is requested adhere to specification of contract. Pl refer cl no. 22.01.00 of part A, volume III and General layout plan	We request NVVN to suggest near by location for laydown area during execution.	Bidder is requested to visit site and explore the land availability nearby site.
14			General			Land for disposal of excess material	Bidder understands that land for disposal of excess excavated material shall be arranged by Owner within 5kms of plant boundary. Please confirm	Land for disposal of excess excavated material shall be arranged by bidder	Space/location for dumping boulders, vegetation – NVVN reconfirmation	Land for disposal of excess excavated material shall be arranged by bidder
15	Page 7/581	Page 3/19	TS SECTION VI, PART-B	Vol - I, M1	1.02.02.00	Purification System	No additional external lube oil separator is required. The lube oil filter and small engine mounted lube oil centrifuge cleaner is sufficient as per OEM standard design.	Bidder to comply specification requirement.	No additional external lube oil separator is required. The lube oil filter and small engine mounted lube oil centrifuge cleaner is sufficient as per OEM standard design.	Bidder to refer previous reply
16	Page 7/581	Page 4/19	TS SECTION VI, PART-B	Vol - I, M1	1.02.02.00	Purification System: Type test(s) to be conducted: Particle size impurities test and moisture test as detailed out in the technical specification, is to be carried out on purification system of engine.	As per OEM FAT & QAP	Bidder to comply specification requirement.	As per OEM FAT & QAP	Bidder to refer previous reply

17	Page 13/581	Page 9/19	TS SECTION VI, PART-B	Vol - I, M1	2.00.02	Redundancy level and type of instrumentation in gas supply system shall be the minimum required for safe and reliable operation of the unit.	The gas module shall be supplied with in-	Bidder to comply specification requirement.	The gas module shall be supplied with instrumentation as per OEM standard design.	Bidder to ensure safe operation with amount of redundancy & type of instrumentation offered. Bidder to comply specification requirement.
18	Page 15/581	Page 11/19	TS SECTION VI, PART-B	Vol - I, M1	3.02.02, iii	Design, construction, installation and operation of the Flow Meter shall be in accordance with the relevant Recommendations/ Reports from AGA/ API.	Shall be as per OEM standard, non- API	Bidder to comply specification requirement	The flow meter shall be as per OEM std	Bidder to refer 3.07.00 of part B, sec VI for gas flow measurement.
19	Page 293/581	Page 3/52	TS SECTION VI, PART-B	Vol - III	2.02.03	All Electronic modules of PLC shall have conformal protective coating as per G3 / GX classification in accordance with ISA S-71.04 standard	Kindly note that the Engine Control Cabinet shall be supplied with OEM standard protective coating	OEM's Standard and Proven practice shall be acceptable for Gas Engine PLC, subject to Employer's approval on submission of documentary evidence for Standard Practice. However for BOP, Electrical & Common Controls, Bidder to comply the specification requirements	NVVN to confirm the requirement	Bidder to refer previous reply
20	Page No 522 of 581 till 543 of 581	522 of 581	TS SECTION VI, PART-B	Vol - VI		Indicative vendor list for Generator and auxiliaries	The Vendor list provided herewith is mentioned as indicative and is not composite covering all GEG scope of Supply. More over it appears that the alternator manufacturer provided therein are very limited and catering to mostly high capacity turbine side applications. Can we follow our standard vendor list and same list to be captured while bidding and performance certificate for the same to be provided later on after award of contract?	The provided Vendor list is an indicative list only and is not composite covering all GEG scope of Supply. The bidder may propose their standard vendor list for Alternator & Auxiliaries including other elect. items and the same shall be reviewed and accepted based on the Sub-QR/Type Test clearance and / or Vendor works assessment after award of contract. BOI shall be finalised during detail engg. and MQP approval.	Bidder will submit the Generator/Alternator & its auxiliaries details & documentation for NTPC approval to meet the provenness criteria and/or qualification requirement.	Bidder to refer previous reply
21	Page No 522 of 581 till 543 of 581	522 of 581	TS SECTION VI, PART-B	Vol - VI		List of sub vendors	many vendors listed i.e. of generator, air bottle „are not from regular vendor base. bidders may be allowed to offer their standard vendors based on the earlier supplied record basis for the equipment in scope. Wherever the vendors are not defined, bidder shall use the appropriate vendor having track record in particular business segment.	The bidder may propose their standard vendor list for Alternator & Auxiliaries including other elect. items and the same shall be reviewed and accepted based on the Sub-QR/Type Test clearance and / or Vendor works assessment after award of contract. BOI shall be finalised during detail engg. and MQP approval.	Bidder will submit the Sub-vendor details & documentation for such items to NTPC approval to meet the provenness criteria and/or qualification requirement for the items/ services listed.	Bidder to refer previous reply
22	-	-	-	-	-		Is Topography/Contour Survey Detail drawing in AutoCAD format with spot levels available. If so, request to share which is critically required to decide the various internal formations GL's. In technical specifications doc, it is mentioned that site RL varies from +4.00M to +12.00M	Autocad format drawing is not envisaged in tender	The attached drg in pdf form is not readable. Since this is an important input for our design we request NVVN to share the clear readable drg.	Topographical drawing at page no. 320/581 is readable.
23	-	-	-	-	-	-	Laydown & Preassembly area - Is it just Paved floor area ?	Laydown & Preassembly area shall be paved as per cl. no. 13.05.15 of chapter IVD Civil work volume VI Part -B	Clause could not be found in Tender Spec. Request NVVN to share the details.	Bidder to refer previous reply
24	-	-	-	-	-	-	Guard wall on Sea facing boundary side (Required Length has to be discussed with M/s NTPC)	Retaining wall/Guard wall on Sea facing boundary side has been shown in General Layout Plan with Grid and scale. Bidder may evaluate length from General Layout Plan	There are conflicting replies to this point in the Clarification documents. Request NVVN to reconfirm that Retaining wall is Bidder's scope whereas Guard wall at the sea is owner's scope.	RCC Retaining wall (sea wall) is in Bidder's scope whereas Guard wall as shown in General Layout plan in black colour is existing old guard wall.
25	-	-	-	-	-	-	Store Building- 8.00m x 6.50m - Is Shed type okay?	Store building shall be as per technical specification cl. No. 7.03.00 of chapter IVD Civil work volume VI Part-B	Ok..Included in Utility building	Bidder is requested to comply the provisions of technical specification
26	-	-	-	-	-	-	Fire station building- Building Size to be based on Fire tender size/ model / nos ? Pl clarify / confirm .	For details of fire tenders and fire station equipment, Bidder to refer clause 12.02.00, h) Page- 9 & 10 of 69, Volume-III, Part-A and clause 11.00.00, Page-15 of 36, Chapter- M4, Volume-I, Part-B of Technical Specification. Building Size to be decided by bidder confirming to requirement of technical specification.	RCC Building with single tender considered	Building Size to be decided by bidder confirming to requirement of technical specification.
27	-	-	-	-	-	-	Please confirm the requirement of Sewage Treatment Plant & if any ETP ?	Complete Sewerage system including collection & conveyance of sewage either by pumping or by gravity to the sewage treatment plant, disposal and reuse of treated sewage for horticulture etc. and sewage treatment plant (STP) are in bidder's scope. Requirement of ETP– Bidder is requested to refer Point j) of Clause No.11.02.00 (Scope of work) of Part-A of Tech Specs	Septic Tank/Soak away pit considered..	Bidder to refer previous reply

[illegible]