



## Bid invitation

### Information

Description:Tender for Bhopal Rail Plant

Bid invitation number:6300040354

Version: 6

### Bid invitation rules

Bid invitation currency: INR

**Timezone:** INDIA

**Submission period:** 31.03.2026 13:00:00

**Tech Opening date:** 31.03.2026 13:30:00

**Created On:** 06.02.2026 06:06:16

### Bid invitation text:

NAME OF THE WORK : : Engineering, Procurement & Construction pertaining to establishment of Rail coach factory including Civil Construction of manufacturing blocks, testing bay, other utility buildings (Non factory buildings), Railway Track sidings, water supply and distribution System, Roads, Drainage and sewerage systems, General Electric works including regular and emergency power supply and distribution system, related installations & services ( Fire, Gas, Compressed air, IT, BMS, etc.), MFA ( Miscellaneous fixed assets) and other Land & Site development works including grading, levelling works in connection with setting up of a Rail Coach Factory hereinafter referred as BEML RAIL HUB FOR ADVANCE MANUFACTURING (BRAHMA)near Umaria village, Obaidullaganj, District- Raisen, Madhya Pradesh (India) PIN code 464993 on EPC Mode.

Bids should be only on SRM Portal. (Quotations sent by Fax / Email / Quotations on letter heads or in any other mode will not be considered). Conditional offers are liable for rejection.

TENDER CLOSING DATE : 10.03.2026.

Earnest Money Deposit (EMD) :

EMD Amount Rs.13,14,04,465

FIRST PRE BID MEETING : DATE OF First - PRE-BID MEETING IS SCHEDULED ON 18-02-2026 @ 10:30 HOURS.

Date of Second Pre-bid meeting is scheduled on ON 28-02-2026 @ 14:30 HOURS.

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Contact Person : For Civil Engineering related issues , Technical specification & Drawings contract : Mr. Nagendra Mishra , Project Manager , Rail plant Bhopal (Mobile- 8310857967)

CIVIL Maintenance Rail plant Bhopal- Mr. Vinodh (Sr. Manager, Rail plant, Bhopal) (Mobile- 8285252187)

QUOTE: LUMPSUM VALUE WITH GST TO BE QUOTED ON SRM COMMERCIAL BID ONLY.

BOQ; Bill of Quantities are as per NIT & BOQ (PDF File) for your reference & to arrive at the Total contract Value including GST. Firm to submit breakup for the same  
Signed filled BOQ to be uploaded in SRM PORTAL at 'Notes & price attachments' only, No Price documents as a part of technical bid under "C-folder technical attachments " otherwise bid will be rejected.

For details refer NIT Document

Order shall be finalized as per QCBS Formulation  
Completion period- 18 MONTHS from work commencement.

PAYMENT TERMS : As per NIT

Bidders are requested to indicate / select SRM code = L046 (100% payment against certification of user departments) while quoting Bid.

### NOTE :

Bidders are advised to check corrigendum if any and up loading the signed with seal corrigendum's are mandatory for Technical Evaluation of the Bid. This Letter + Tender document + Corrigendum if any, will be part of the contract.

Please contact BEML SRM Team for getting user ID & password / clarification during the submission of bid through SRM / guidance on submission of bid in SRM system. Phone : 080-22963269 e-mail ID : admin.srm@beml.co.in, anithak@bemltd.in

For any tender related clarification, please Mr. Atul Thombre, Sr. Manager, Rail plant, Bhopal (9632270759) Mail- atulthombre@bemltd.in

NO PRICE SHOULD BE INDICATED IN TECHNICAL BID.

General Information while uploading Docs in SRM

a. Use Edge Browser with Internet Explorer mode ONLY for SRM portal.

b. SRM Portal Link : <https://bemlepci.bemlindia.in:50001/irj/portal>

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c. Mail to admin.srm@beml.co.in / anithak@bemltd.in for creation of SRM User Credentials After Logging in, search for the tender.

d. Open the tender, click on "Technical Rfx" to download the tender documents.

All necessary training manuals are available in the link for ready reference

<https://www.bemlindia.in/eprocurement/Valid Class 3 Organization Digital Signature with Signing and Encryption certificate is mandatory for submission of bid in SRM e-Procurement System.>

### General Note :

(a) Bidders are suggested to upload all documents well in advance before closing date not resorting to last date last minute uploading, which may result in improper / missing of documents uploading.

(b) Bidder has to submit all the requisite documents for qualifying in Technical bid. It is Recommended to cross check all the documents against the list after uploading on SRM to ensure that all the necessary documents are correctly uploaded.

(c) In case any of the required documents are not submitted / uploaded by the bidders/ if clarity in documents are not found, BEML reserves the right to reject the bid. Decision of BEML in this regard will be final and binding.

(d) To have better clarity and easy identification, bidders are advised to upload the documents separately by giving appropriate names, i.e.,

(1) For signed & sealed NIT Acceptance letter –FILE NAME = NIT\_AL\_Signed & Sealed

(2) For Annual Turnover certificate – FILE NAME = Annual Turnover, etc., Do not club all the documents in one single file.

### General Note :

(a) FIRM has to study and understand complete scope of Work and Terms & conditions before quoting the tender.

(b) Subject contract comprises of full and satisfactory completion of the works as per the Bill of Quantities, Terms and conditions.

(c) Scope of work as per NIT to be executed all as per instructions / directions of Contract in-Charge of Civil Maintenance /Electrical Maintenance/Project Manager, Rail plant Bhopal.

Please quote lump-sum charges inclusive of all taxes.

Attachments:

SOIL\_REPORT

DRAWINGS

FURNITURE\_DETAILS

ANNEXURES\_OF\_NIT

BOQ

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- Attachments:  
 COLOUR\_CODES  
 DESC\_OF\_FACILITIES  
 NIT  
 Corrigendum-1  
 Corrigendum-2  
 Digital Signature

Bid invitation details					
Item	Product	Description	Vendor product number	Delivery date/ performance period	Quantity
1	Price Condition	CIVIL & MEP TENDER FOR BHOPAL RAIL PLANT			1 NO

**Item long text:**

Details uploaded with corrigendum-2 dated 11.03.2025 is as follows:

- Response to pre-bid queries
- Revised annexure 13A (Submitted in corrigendum-1 stands cancelled)
- Revised Annexure-4

Last date for receiving queries from bidders is 18.03.2026

Corrigendum-1 Uploaded

Details uploaded in Corrigendum-1 as follows-

- BOQ\_Rev\_1
- Revised\_Furniture\_Details
- Revised Annexure 13 & 13A
- Microsoft Teams Link of drawings

Drawings, Furniture details, BOQ and annexure 13 & 13 A uploaded in C-folder attachments is replaced with documents uploaded in Corrigendum-1  
 Soil report uploaded in C-folder attachments

Basic Price

INR

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**BEML LIMITED**

A Govt. of India Mini Ratna Company under Ministry of Defence)

**BEML RAIL HUB FOR ADVANCE MANUFACTURING  
(BRAHMA), BHOPAL- MADHYA PRADESH**

**Tender No. – 6300040354**

Tender description- Title : Engineering, Procurement & Construction pertaining to establishment of Rail coach factory including Civil Construction of manufacturing blocks, testing bay, other utility buildings (Non factory buildings), Railway Track sidings, water supply and distribution System, Roads, Drainage and sewerage systems, General Electric works including regular and emergency power supply and distribution system, related installations & services ( Fire, Gas, Compressed air, IT, BMS, etc.), MFA ( Miscellaneous fixed assets) and other Land & Site development works including grading, levelling works in connection with setting up of a Rail Coach Factory hereinafter referred as BEML RAIL HUB FOR ADVANCE MANUFACTURING (BRAHMA)near Umaria village, Obaidullaganj, District- Raisen, Madhya Pradesh (India) PIN code 464993 on EPC Mode.

Corregendum-2

With respect to the described work, Corrigendum -2 to be read as mentioned below:

Sl No.	NIT Ref	FOR as per NIT (	Read as Corrigendum
1	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 14 of 152, The bidder should have valid Class I contractor enlistment with Central I State Government department for civil works details	Sl. 2	Sl. 4
2	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 14 of 152, Original Authorization Letter details	3	5
3	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 14 of 152, details of Letter of Transmittal	5	6

4	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 14 of 152, details of valid CIN GST, PAN, ESIC, EPFO number	6	7
5	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 14 of 152, Name, Address, details of the Organization	7	8
6	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 14 of 152, black listed certificate details	8	9
7	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 15 of 152, Site visit certificate details	9	10
8	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 15 of 152, contact details of supplier details	10	11
9	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 15 of 152, NIT acceptance letter details	11	12
10	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 15 of 152, Average annual financial turnover	12	13
11	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 15 of 152, loss details	13	14
12	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 15 of 152, solvency details	14	15
13	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 16 of 152, works of order value details	15	16
14	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 16 of 152, Built up details	16	17
15	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 16 of 152, Steel fabrication details	17	18

16	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 16 of 152, RCC work details	18	19
17	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 16 of 152, Minimum value of invoice details	19	20
18	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 17 of 152, In house engineering capability details	20	21
19	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 18 of 152, Equipment & machinery details	21	22
20	F. Technical Bid – Part–A1 (Quality and cost based selection) Page No. 20 of 152, Key personnel details	22	23
21	Scope Variation / Change Management, Page no. 125 of 152- NIT	LL	OO

## 22. Scoring Criteria

c. Plant and Equipment- 07 Marks, Page no. 23 of 152 of NIT ( Total Marks remains same)

Scoring formulation for plant and machinery is amended as follows

FOR				READ				
SL A	Concreting Machineries	No s	Mar ks	SL A	Concreting Machineries	No s.		Marking s per machine per Number
1	Batching Plant 30 cum incl Silo (CP30)	1	1	1	Batching Plant 30 cum incl Silo (CP30)	1	1	0.167

2	Transit Mixer	8		2	Transit Mixer	8		0.021
3	Boom Pump	2		3	Boom Pump	2		0.083
4	Backhoe Loader	1		4	Backhoe Loader	1		0.167
5	JCB	1		5	JCB	1		0.167
6	Concrete Pump	2		6	Concrete Pump	2		0.083
<b>B</b>	<b>Common Machineries</b>	No s	Mar ks	<b>B</b>	<b>Common Machineries</b>	No s	Mar ks	<b>Marks per Machine per No.</b>
1	Trailer	2	1	1	Trailer	2	1	0.0625
2	Farana	2		2	Farana	2		0.0625
3	JCB	1		3	JCB	1		0.125
4	Tractor with trolley	2		4	Tractor with trolley	2		0.0625
5	Mini Truck	1		5	Mini Truck	1		0.125
6	Water Tanker 12KL	1		6	Water Tanker 12KL	1		0.125
7	Gas cutting equipment	200		7	Gas cutting equipment	200		0.000625
8	Welding equipment	200		8	Welding equipment	200		0.000625
					<b>Sub-Total</b>			
<b>C</b>	<b>Reinforcement Steel</b>	No s	Mar ks	<b>C</b>	<b>Reinforcement Steel</b>	No s	Mar ks	<b>Marks per Machine per No.</b>
1	Bar bending machine	10	1	1	Bar bending machine	10	1	0.05
2	Bar Shearing machine	10		2	Bar Shearing machine	10		0.05
<b>D</b>	<b>On-site fabrication/PEB Works Machineries</b>	No s.	Mar ks	<b>D</b>	<b>On-site fabrication/PEB Works Machineries</b>	No s	Mar ks	<b>Marks per Machine per No.</b>
1	Crawler Crane 150MT	2	2	1	Crawler Crane 150MT	2	2	0.125
2	Crawler Crane 75/90/100MT	4		2	Crawler Crane 75/90/100MT	4		0.0625

3	Tyre mounted 50 MT Crane	2		3	Tyre mounted 50 MT Crane	2		0.125
4	Manlift 120 Ft	6		4	Manlift 120 Ft	6		0.04166 6667
5	Hydra (New Generation 23 MT)	2		5	Hydra (New Generation 23 MT)	2		0.125
6	Hydra (New Generation 15 MT)	3		6	Hydra (New Generation 15 MT)	3		0.08333 3333
7	Tailor (40T)	2		7	Tailor (40T)	2		0.125
8	Goliath Crane	1		8	Goliath Crane	1		0.25
<b>E</b>	<b>Earthwork Equipment's</b>	<b>No s</b>	<b>Mar ks</b>	<b>E</b>	<b>Earthwork Equipment's</b>	<b>No s</b>	<b>Mar ks</b>	<b>Marks per Machine per No.</b>
1	20-22T Excavator	4	2	1	20-22T Excavator	4	2	0.071
2	30-35T Excavator	8		2	30-35T Excavator	8		0.036
3	Rock Breakers (attachments)	3		3	Rock Breakers (attachments)	3		0.095
4	Wheel Loader	2		4	Wheel Loader	2		0.143
5	Vibratory Roller	1		5	Vibratory Roller	1		0.286
6	Tippers (16-20T)	30		6	Tippers (16-20T)	30		0.010
7	Water Tankers ( 04 KL/05 KL)	2		7	Water Tankers ( 04 KL/05 KL)	2		0.143

SI No.	NIT/Annexure details Ref	FOR as per NIT	Read as Corrigendum
23	Annexure-04-	Average annual turnover of the bidder from consulting works in India during last three years (2022-23, 2023-2024, 2024-25)	Financial capacity of bidders during last three years (2022-23, 2023-2024, 2024-25) (Revised Annexure-4 is enclosed)
24	Page no. 13 of 152 of NIT	The bidder should have at least an average annual turnover in India of INR 197.10 Cr. from contract execution (engineering & construction works) during the last three years, 2022-23, 2023-24 & 2024-25.	The bidder should have at least an average annual turnover in India of INR 197.10 Cr. during the last three years, 2022-23, 2023-24 & 2024-25.
25	Page no. 15 of 152, point 12	Average annual financial turnover on similar work should	Average annual financial turnover should be at least Rs. 197.10 Crores during the immediate last three consecutive financial

		<p>be at least Rs. 197.10 Crores Only during the immediate last three consecutive financial years ending 2024-25.</p> <p>The turnover, profit, net worth certificates must be certified by Statutory Auditor of the firm/company</p>	<p>years ending 2024-25. The turnover, profit, net worth certificates must be certified by Statutory Auditor of the firm/company.</p>
26	Page no. 16 of 152, point no. 15	<p>The contractor should have satisfactorily completed the works as mentioned below during the last seven years ending previous day of last date of submission of tender</p>	<p>The contractor should have satisfactorily completed the Experience of having successfully completed works of similar nature during last 07 years ending last day of the month previous the one in which the tenders are invited</p>
27	Page no. 63 of 152 of NIT	<p>For Services like road work, Trenches, Drains, Pathways, Hard stand, Parking areas, railway siding Payment shall be regulated as per percentage completion in terms of a square meter or running meter which ever is applicable</p>	<p>For Services like road work, Trenches, Drains, Pathways, Hard stand, Parking areas, railway siding, Earth work ( Cutting &amp; Filling works) Payment shall be regulated as per percentage completion in terms of a square meter or running meter which ever is applicable</p>
28	Page no. 38 of 152 of NIT	<p>All design and drawings are to be duly vetted by premier institution like IIT/IISC before final submission to BEML for its acceptance and release for construction.</p> <p>Minimum four sets of drawings to be submitted on appropriate size of drawing sheets along with soft copy of the same</p>	<p>“All design and drawings are to be duly vetted by premier institution like IIT/IISC before final submission to BEML for its acceptance and release for construction.</p> <p>Minimum Four set of drawings to be submitted and two sets of design documents along with soft copy of the same”</p>
29	Page no. 40 of 152 NIT	<p>I. Major building/structure/facilities/infrastructure covered under the scope are as follows:</p>	<p>I. Major building/structure/facilities/infrastructure covered under the scope are as follows:</p> <p style="text-align: center;"><b>“ The Broad specifications &amp; design basis of MEP systems/utilities included in the scope are in consideration of</b></p>

			<p>all the facilities/infrastructures forming part of the scope of this tender along with one additional manufacturing block of size 400 m x 72 m and one additional test bay of size 326 m as part of future expansion plan.”</p> <p>As per the design of system BOM to be finalized and supply may be done accordingly in line with project schedule and requirement.”</p>
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30. F. Technical Bid – Part–A1, page no. 16-17 of 152 of NIT

Point no. 16 to 20 & (Annexure- 18A-18E), Works experience will be considered of last 7 years ending last day of month previous to the one in which tenders are invited.

31. Clause No. G, Point no. 2, Page no. 22 of 152 of NIT, Experience in similar nature of work- All particulars categories Works experience will be considered of last 7 years ending last day of month previous to the one in which tenders are invited.



(A Govt. of India Mini Ratna Company under Ministry of Defence)

Pre-bid Meetings – BEML Response to Pre-bid Queries from Bidders

Name of the Work

Engineering, Procurement & Construction pertaining to establishment of Rail coach factory including Civil Construction of manufacturing blocks, testing bay, other utility buildings (Non factory buildings), Railway Track sidings, water supply and distribution System, Roads, Drainage and sewerage systems, General Electric works including regular and emergency power supply and distribution system, related installations & services ( Fire, Gas, Compressed air, IT, BMS, etc.), MFA (Miscellaneous fixed assets) and other Land & Site development works including grading, levelling works in connection with setting up of a Rail Coach Factory hereinafter referred as BEML RAIL HUB FOR ADVANCE MANUFACTURING (BRAHMA) near Umariya Village, Obaidullaganj, District- Raisen, Madhya Pradesh (India) on EPC Mode.

Tender Notice No. :6300040354

Tender Date: 10.02.2026

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
1	Commercial – Price Variation Clause	Not provided in Tender	Request to consider Price Variation formula for Cement, Rebar Steel, Structural Steel, Other materials, and Labour as per CPWD formula.	It is a firm price contract. No price variation what so ever is permitted.
2	Commercial – Mobilization Advance	Not provided in Tender	Kindly consider interest free mobilization advance @10% of Contract Sum against submission of ABG, recovery to start from 20% of work completion on pro-rata basis.	No mobilization advance is admissible.
3	Tender Notice, Page 1 & 132 of 152	EMD – Rs. 13,14,04,465/-	Request to reduce EMD amount to less than 1% of tender estimate value, instead of 2% of tender estimate value.	EMD has been reduced to INR 6.6 Crores (Approx. 1% of Tender estimate value)
4	Tender Notice, Page 87 of 152	E. Measurement Book (MB) All measurements of all items having financial value shall be entered by the Contractor and compiled in the measurement Book as per the format so that a complete record is obtained of all the items of Works performed under the contract.	Request to delete the entire clause E. Measurement Book (MB). Being Design & Build Lump Sum project, measurement with financials are not applicable & will not be submitted, as payments are governed by milestone billing breakup stipulated in the document. Please confirm.	(1) If the line item is payable on the basis of milestone wise completion, payment against the milestone shall be made by duly recording the completion of milestone in MB. (2) If the line item is payable on the basis of progressive completion of quantity indicated in the BOQ payment against the same shall be made by duly recording the quantity completed in MB.
5	Tender Notice, Page 84 of 152	C. LIQUIDATED DAMAGES FOR DELAY IN COMPLETION OF WORKS: In case the Contractor fails to complete the works ..... pay sum equal to 0.5% of the Contract sum (excluding non-tendered/extra items, if any) for every week's delay subject to maximum of 10% of the total final bill value of the Contract	Request to reduce Liquidated Damages to 0.25% of the Contract sum per week, max. 5% of the Contract Sum	Follow Tender condition.
6	Tender Notice, Page 86 of 152	D.3 In case the Work is hindered by the BEML or for any reason / event,..... the Contractor shall be entitled to only extension of time and no damages	Request you to consider cost compensation for the delayed period, in addition to the EOT for the reasons not attributable to Contractor.	Follow Tender condition.
7	Tender Notice, Page 110 of 152	B. CONTROLLING OF CONTRACTOR LABOUR & POLICE VERIFICATION ii. The Contractor shall submit Police Verification Certificate to move inside BEML premises during execution of Work and shall submit as affidavit for conduct and credibility of the labour force engaged for the Work to the OIC/EIC	Request to delete the entire sub-clause (ii), as being a fast track project, conducting police verification for all workmen is practically not possible in the short duration and will impact project progress.	It is a statutory requirement which cannot be done away with.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
8	Tender Notice, Page 105 of 152	i. Termination for Contractor's Default b) Failure to achieve milestones or maintain progress of work as per the approved Project Schedule, and such failure continues for a period of 14 days after receipt of written notice from BEML. f) Sub-letting or assignment of the Contract or any part thereof without prior written approval of BEML. k) Failure to obtain statutory approvals, clearances, or compliances required under the scope of EPC obligations.	Request you to delete the sub-clauses (b), (f) and (k)	Follow Tender condition.
9	Tender Notice, Page 91 of 152	(a) PAYMENT OF GST: Contractor shall be entitled to reimbursement of GST paid, upon submission of GST Invoice and GST Challan for having paid the same to the Department.	This will affect the project cashflow, hence we request to consider submission of previous month bill GST paid challan for release of current month bill including GST.	Follow Tender condition.
10	Tender Notice, Page 119 of 152	iv. BEML shall arrange to recover from the contractors bills requisite amounts of both Employer's and Employee's contribution for both ESI and PF calculated on the basis of 25% of the value being taken as the labour cost and recover such amounts from the respective bills and keep the same in suspense account. On production of requisite documentary evidence supporting payment of ESI/PF Authorities/supported by the acquaintance rills, the amount earlier recovered from contractor's bills shall be paid duly adjusting the shortfall in remittance, if any.	This will affect the project cashflow, hence we request to consider submission of previous month compliance for release of current month bill without any withheld amount.	Follow Tender condition.
11	Tender Notice, Page 60 of 152	A. Payment terms of RCC building	Request to revise Payment Schedule as follows :	Follow Tender condition.
12	Tender Notice, Page 61 of 152	B. Inspection & Testing Block	Request to revise Payment Schedule as follows :	Follow Tender condition.
13	Tender Notice, Page 60 of 152	C. Car Body Manufacturing Block (each)	Request to revise Payment Schedule as follows :	Follow Tender condition.
14	Tender Notice, Page 66-67 of 152	B. Requirement of Technical Representative(s) and recovery rate List of Designations & Monthly deduction	The given list is very exhaustive, we request to limit the same to 5 designation (key personnels) i.e. Sr. No. 1 – Project Manager, 2 – Construction Manager, 3 – Planning Manager, 15 – HSE Engineer and 16 – QA/QC Engineer Request you to remove the balance designations from the recovery / monthly deduction	Follow Tender condition.
15	Tender Notice, Page 68 of 152	C. Equipment Note : ..... Failure to deploy the above equipment as per mutually agreed programme shall attract penalty @ Rs. 5,000/- per day of delay in deployment for each equipment.	We request you to delete the note for penalty of Rs. 5000 per day	Follow Tender condition.
16	DEFECT LIABILITY PERIOD: Page No -95 (NIT)	The period of maintenance for the subject work shall be TWO YEAR FROM THE DATE OF COMPLETION OF WORK	We request you to kindly consider DLP of 12 month from the issue of virtual completion certificate of complete or part completion of works	Follow Tender condition.
17	Mobilization Advance	Not Mentioned	We request to provide 10% of Mobilization advance against the Bank Guarantee.	No mobilization advance is admissible.
18	Secure advance	Not Mentioned	We request you to kindly provide 80% as material advance.	No secure advance against material is admissible.
19	SECURITY DEPOSIT	The successful Bidder shall be required to furnish security deposit for the fulfilment of contract and the amount shall be 10% of the value of the contract, to be paid by the contractor.	We request to modify the clause to:- Bank Guarantee equivalent to 3% of the Contractor Contract Value towards Performance security valid till virtual completion of work.	Follow tender condition.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
20	Basic Rates	Not Mentioned	To bring all contractor at par we request to provide the basic rates/Star rates for the followings:- 1) Cement OPC 53 Grade 2) Structural Steel (all grades) 3) Reinforcement Steel (FE500 & FE500D) 4) Major MEP Items Any change/variation in actual procurement cost over basic rates against all BOQ line items will be reimbursed to us every month with RA Bill.	The rates have to be worked out by the individual bidders and quote accordingly. It is a firm price contract. No price variation what so ever is permitted.
21	NIT, Pg 1, Approx. Estimated Value.	Rs. 657,02,23,268.00	Kindly clarify whether the cost is excluding GST or not.	The estimated cost indicated is inclusive of GST.
22	NIT	Retention	Kindly clarify whether any cash retention is applicable for the project or not	Retention of payment at RA bill stage may be because of various reasons such as substandard/incomplete works, frequent definance of owner's instructions in the interest of project, non-compliance of statutory provisions entailing penal action by statutory authorities etc.
23	F. RAR (RUNNING ACCOUNT REMITTANCE) BILLS PAYMENT - Page No - 88 (NIT)	On submission of RAR bills by Contractor to the OIC/EIC, 50% of the RAR Bill value shall be released within <b>Ten (07)</b> working days without detailed check on the claim The balance shall be released after the claim is scrutinized in detail as per procedure by BEML within Twenty-Eight (28) working days.	We are requesting for 70% of RA bill valuse as adhoc to release within 7 days and balance 30% in 21 days of RA bill submission.	Follow tender condition.
24	C. LIQUIDATED DAMAGES FOR DELAY IN COMPLETION OF WORKS: (NIT) Page no - 84	In case the Contractor fails to complete the works and clear the site on or before the stipulated time mentioned in the Work order he shall without prejudice to any other right or remedy of the Company in this behalf pay, as agreed Liquidated Damages and not as penalty, pay sum equal to 0.5% of the Contract sum (excluding non-tendered/extra items, if any) for every week's delay subject to maximum of 10% of the total final bill value of the Contract.	We request to consider the caluse as 0.25% every week upto maximum of 2.5%.	Follow tender condition.
25	5. Valuation Principles - Page no 126 (NIT)	Unless otherwise specified, valuation of Scope Variations shall follow the principles below, in order of precedence: 1. Rates already quoted in the Contract 2. Derived rates from similar items in the Contract 3. Derived rate based on MPSR/DSR/Market-based rates with cost justification 4. Actual cost plus 15% overheads and profit	We request to consider 20% of overheads & profits.	Follow tender condition.
			We request you to kindly provide escalation. Our quoted rates are valid upto 12 months from the date of submission. For the period beyond 12 months we request you to consider payment towards escalation in prices of Materials, labour and P.O.L. as per the following escalation formulae. Base date shall be 28 days prior to the offer submission date. Escalation in cost of Base rated materials shall be paid as per the actual difference in the cost of materials. Escalation for the value of work excluding Base rated materials shall be paid based on the formula as given below: 1. Component of other Materials $X_m$ (Other than Basic rate material) The compensation for escalation of Material shall be worked out as per the following formula given below: $V_m = 0.85 (W \times X_m - x (M_I - M_{IO}) / M_{IO})$ Where, $V_m$ = Variation in materials cost i.e. increase or decrease in the amount in Rs. to	

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
26	Escalation, Pg 108,NIT	The rates as per the accepted Bill of Quantities shall be firm and hold good till the completion of the works, and no additional claim or amount shall be admissible on account of fluctuations in market rates, increase in fees royalties unless specifically provided for in the Contract, under any circumstances.	<p>be paid or recovered after adjustment of basic rate of materials.  W = Cost of work done.  Xm = Components of "Materials" expressed as percent of the total value of the work minus percentage of value of material covered under base rate.  MI = All India Wholesale Price Index for civil component/electrical component of construction material as worked out on the basis of All India Wholesale Price Index for individual Commodities/Group items for the period under consideration as published by Economic Advisor to Govt. of India, Ministry of Industry &amp; Commerce and applying weightages to the individual Commodities/Group items.  MIO = All India wholesale price Index for construction material valid on the last stipulated date of receipt of tenders including extension, if any as published by the Economic Advisor to Government of India, Ministry of Industry &amp; Commerce.</p> <p>2. Component of POL Z  The compensation for escalation of POL shall be worked out as per the following formula given below:  <math display="block">VF = 0.85 W \times Z \times (FI - FIO) / FIO</math> Where,  VF = Variation in cost of fuel, oil and lubricants i.e. increase or decrease in the amount in rupees to be paid or recovered.  W = Cost of work done.  Z = Component of fuel, oil and lubricants expressed as percent of total value of work.  FI = All India wholesale price Index for fuel, oil and lubricants for the period under consideration as published by the Economic Advisor to Government of India, Ministry of Industry &amp; Commerce, New Delhi.  FIO = All India wholesale price Index for fuel, oil and lubricants published by Economic Advisor to Govt. of India, Ministry of Industry and Commerce, New Delhi valid on the last stipulated date of receipt of tenders including extension, if any.</p>	Follow tender condition.
27			<p>3. Component of Labour Y  The compensation for escalation of labour shall be worked out as per the following formula given below:  <math display="block">VL = 0.85 W \times Y \times (LI - LO) / LO</math> Where,  VL = Variation in labour i.e. increase or decrease in the amount to be paid or recovered.  W = Cost of work done.  Y = Labour component expressed as percent of total value of work  LO = Minimum daily wages of an un-skilled adult male mazdoor, as fixed by any Law, statutory rule or order as on date of tender submission.  LI = Minimum daily wages of an un-skilled adult male mazdoor, as fixed by any Law, statutory rule or order as applicable on the last day of the quarter previous to one during which escalation is being paid.</p> <p>4. Component of Plant &amp; Machinery Pm  The compensation for escalation of Plant &amp; Equipment cost shall be worked out as per the following formula given below:  <math display="block">Vp = 0.85 W \times Pm \times (P1 - P10) / P10</math> Where,  Vp = Variation in Plant &amp; Equipment i.e. increase or decrease in the amount to be paid or recovered.</p>	Follow tender condition.

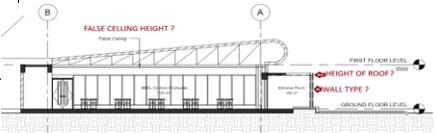
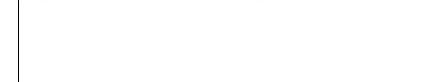
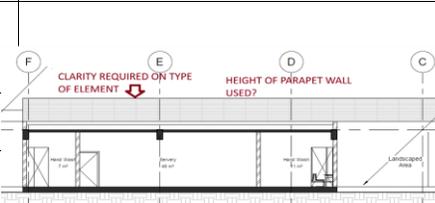
Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
			<p>W = Cost of work done.</p> <p>Y = Plant &amp; Equipment component expressed as percent of total value of work</p> <p>PI0 = All India wholesale price Index for Plant &amp; Equipment for the period under consideration as published by the Economic Advisor to Government of India, Ministry of Industry &amp; Commerce, New Delhi.</p> <p>PI = All India wholesale price Index for Plant &amp; Equipment published by Economic Advisor to Govt. of India, Ministry of Industry and Commerce, New Delhi valid on the last stipulated date of receipt of tenders including extension, if any.</p> <p>Note: Base date for escalation will be 28 days prior to date of submission of tender/Bid</p>	
28	7. INSTRUCTIONS TO BIDDERS, Sr. No. 17, Page 70 of 152 of RFP	Bailing out of rain water, if required during excavation, shall be the responsibility of the contractor and no extra payment shall be allowed for bailing out of sub soil water.	If flooding at the Site due to rainwater causes delay, disruption, or restricted access affecting execution of the Works, the Contractor shall be entitled to Extension of Time and compensation for all reasonable additional costs incurred as a result thereof.	Follow tender condition.
29	8. GENERAL CONDITIONS OF CONTRACT (GCC), A.6 DISCREPANCIES, ADJUSTMENT OF ERRORS AND ORDER OF PRECEDENCE, Page 81 of 152 of RFP	<p>Note:</p> <p>2. In the event of any error in the description or in the quantity in Price bid or any omission there from shall not vitiate the Contractor or release the Contractor from the execution of whole or any part of contract comprised there in according to the drawings and specifications, or from any of his obligations under the contract.</p>	In the event of any error in the description or in the quantity in Price bid or any omission there, subsequently leading to execution of additional/extra works, the Contractor shall be entitled to Extension of Time and compensation for all reasonable additional costs incurred as a result thereof.	Any work incidental to successful execution of works enlisted under the scope of work shall form the integral part of the scope even if it is not explicitly mentioned which shall be obligatory on the part of EPC contractor to execute without any additional cost and time.
30	8. GENERAL CONDITIONS OF CONTRACT (GCC), A.7(A) TENDER OR AGREED RATE: Page 81 of 152 of RFP	2. In the event of anything evidently necessary to the due and complete performance of the works being omitted to be shown on the drawings or described in the specification or being omitted from the Bill of Quantities through oversight or error, the contractor shall, notwithstanding, execute (in the most perfect manner) all such works the same as if they had been severally shown, described and included without being entitled to make any extra claim or charge.	In the event of any error in the description or in the quantity in Price bid or any omission or absence there, subsequently leading to execution of additional/extra works, the Contractor shall be entitled to Extension of Time and compensation for all reasonable additional costs incurred as a result thereof.	Scope variation shall be dealt in accordance with clause <b>OO. Scope Variation / Change Management</b> (Page no 125- 126). This is an EPC tender wherein, a scope covers engineering, procurement and constructions of all buildings/facilities/ infrastructures/ plant&machinery mentioned there in. The intent of the referred clause is to impress that all associated finer details/works may not be explicitly mentioned in the scope/BOQ/drawing or would have been adventently missed out but essentially required for successful performance of the particular system/project will deemed to be integral part of the scope and the EPC contractor is bound to carry out such works with out any additional cost. If the bidder brings out any discrepancy at pre-bid stage the same can be taken care of by BEML Ltd. Finer details pertaining to any facility/building/infrastructure to be discussed and finalised during detailed design stage in accordance with broad specifications
31	8. GENERAL CONDITIONS OF CONTRACT (GCC), A.10 HANDING OVER OF SITE FOR COMMENCEMENT OF WORK, Page 82 of 152 of RFP	The Contractor having signed the contract, the PIC/OIC/EIC will forthwith give him notice to commence the Work by issuing Work order mentioning handing over of Site and the Contractor shall upon receipt of such notice commence the works and carry them on at such point or points and in such portions as directed by PIC/OIC/EIC from time to time. Work shall start on priority basis as per BEML requirement/notification. However, if any portion of site is not made available by BEML for any reason whatsoever no claim on account of this towards compensation or otherwise will be entertained. The handing over of Site for carrying on the Works shall not confer any right over work site except temporary possession only for the purpose of the Works under the Contract	We request that the Employer hand over the complete site and free of hindrances, rather than in a piecemeal manner. Any delays arising from partial handover or site hindrances should be compensated to the Contractor in terms of both time and cost.	No delay is contemplated. The site will be handed over to successful bidder by BEML in complete and free of hindrances without any delay.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
32	8. GENERAL CONDITIONS OF CONTRACT (GCC),D. EXTENSION OF TIME, Page 85 of 152 of RFP	Sub-Clauses D.2, D.3, D.4 and D.5	<p>It is observed that Clauses D.2, D.3, D.4 and D.5 refer to Sub-Clauses 4.2, 4.3 and 4.4; however, these clauses are not available in the Tender Document. Kindly provide the complete text of Clauses 4.2, 4.3 and 4.4 for clarity and proper understanding of the events entitling Extension of Time and related limitations on damages.</p> <p>Further, we request that:</p> <ol style="list-style-type: none"> <li>Where delay is attributable to BEML or events beyond the Contractor's control, the Contractor shall be entitled to both Extension of Time and associated cost compensation;</li> <li>Liquidated Damages shall not be levied for periods of delay attributable to BEML; and</li> <li>The 14-day notice requirement shall be reckoned from the date of occurrence/knowledge of the delaying event and not from the Scheduled Date of Completion.</li> </ol> <p>Kindly confirm</p>	<p>Sub clauses 4.2, 4.3, 4.4 to be read as D.2, D.3 &amp; D.4 If delay is attributed to BEML or due to Force Majeure conditions the contractor shall be entitled to suitable time extension. However, no cost compensation is admissible.</p>
33	8. GENERAL CONDITIONS OF CONTRACT (GCC),P. FORECLOSURE OF CONTRACT DUE TO ABANDONMENT OR REDUCTION IN SCOPE OF WORK, Page 94 of 152 of RFP	<p>If any time after acceptance of the tender BEML decides to abandon or reduce the scope of Work for any reason whatsoever and hence not require the whole or any part of the Works to be carried out, the Officer-in-Charge shall give notice in writing to that effect to the Contractor. The compensation, if any payable for such foreclosure of Work will be discussed mutually between BEML and the Contractor and settled after taking into consideration the actual financial loss, if any, suffered by the Contractor on account of foreclosure of the contract, which in no case shall exceed 2% of cost of incomplete work on the date of closure. The Contractor shall have no claim to any payment of compensation or otherwise whatsoever on account of any loss of profit or advantage which he might have derived, but for the foreclosure of the whole or part of the Works or reduction in Scope of work. BEML shall have the option to take over the Contractor's materials or any part thereof, either brought to the site or for which the Contractor is legally bound to accept the delivery from the suppliers.</p>	<p>We request that in the event of foreclosure or reduction in scope not attributable to the Contractor, the Contractor shall be entitled to:</p> <ol style="list-style-type: none"> <li>Payment for work executed;</li> <li>Reimbursement of all committed and unavoidable costs;</li> <li>Reasonable overheads and profit on the unexecuted portion;</li> <li>Full payment for materials procured or legally committed; and</li> <li>Demobilization costs.</li> </ol> <p>Accordingly, the shall be paid reasonable amount without any capping as the same may not adequately compensate actual losses arising from foreclosure.</p>	<p>CLAUSE P - FORECLOSURE OF CONTRACT DUE TO ABANDONMENT OR REDUCTION IN SCOPE OF WORK. BEML reserves the right to accept the offers in part or in full, cancel the Tender enquiry or short close the contract without assigning any reason.</p> <p>If at any time after acceptance of tender BEML decides to abandon or reduce the scope of work for any reason whatsoever the Engineer-in-Charge shall give notice in writing to that effect to the contractor &amp; the contractor shall have no claim to any payment of compensation or otherwise whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of foreclosure of the whole or part of the works. In the event of such foreclosure after acceptance of tender the contractor shall be paid at contract rates full amount of works executed at site &amp; in addition a reasonable amount as certified by the Engineer-in-Charge for the items mentioned below which could not be utilized on the works in the full extent because of Foreclosure.</p> <ol style="list-style-type: none"> <li>Any Expenditure incurred on site infrastructure work/enabling works.</li> <li>Any Expenditure incurred on materials meant for incorporation in the work lying unutilized which the contractor does not desire to retain. The cost of such materials shall however take into account purchase price, cost of transportation &amp; deterioration which may have been caused to material whilst in the custody of contractor.</li> <li>For Contractors material not retained by BEML reasonable cost of transportation of such materials from site to contractors permanent store or to his other works whichever is less shall be payable.</li> <li>Reasonable compensation for transfer of T &amp; P from site to contractors permanent store or to his other works whichever is less shall be payable to the contractor.</li> <li>In case of foreclosure all surplus material issued to the contractor either free of charge or on chargeable basis &amp; lying at site shall be returned by the contractor to BEML after proper reconciliation taking into account normal wastage &amp; allowance for any deterioration/damage as may be permitted.</li> </ol>
34	8. GENERAL CONDITIONS OF CONTRACT (GCC),Z. DISPUTE RESOLUTION AND JURISDICTION ,A. Conciliation between Parties to Dispute, Page 102 of 152 of RFP	<p>All disputes or differences whatsoever arising between the parties out of or relating interpretation or application of the terms and conditions of NIT, PO or agreement whatsoever, pertaining to construction, meaning and operation or effect of the contract or the breach thereof etc. arising during the progress of work or during or after completion or abandonment hereof shall be mutually discussed and settled amicably by a conciliation Committee comprising of an independent subject experts and one representative from each party to dispute to be constituted by BEML, within a</p>	<p>We request that:</p> <ul style="list-style-type: none"> <li>The Conciliation Committee shall be constituted jointly by both parties;</li> <li>Proceedings shall be governed by the Arbitration and Conciliation Act, 1996 (conciliation provisions);</li> <li>The recommendation shall be binding only upon written acceptance by both parties; and</li> <li>In case of failure of conciliation, the dispute shall be referred to arbitration.</li> </ul>	<p>Follow tender condition.</p>

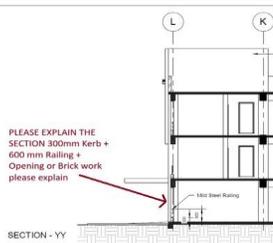
Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
		period of 30 days from the date when the dispute has been intimated by either part to this contract. The conciliation proceedings shall be completed within a period of 90 days, the minutes of the conciliation proceedings shall be recorded by the Conciliator.		
35	8. GENERAL CONDITIONS OF CONTRACT (GCC),Z. DISPUTE RESOLUTION AND JURISDICTION, B. Arbitration between Parties to Dispute, Page 102 of 152 of RFP	a). In event of failure of both the parties to contract to reach any amicable settlement or conciliation of the dispute within 90 days from the date of first notice of dispute and within 15 days of failure of conciliation proceedings, either party to contract shall refer the dispute for settlement by "Arbitration" consisting of a sole arbitrator to be appointed by the IIAC, New Delhi (Plot No 6, Vasant Kunj Institutional Area, New Delhi 110070), as per the Rules of IIAC New Delhi and in accordance with the Rules of IIAC. The arbitration proceedings shall be conducted at New Delhi (Seat of Arbitration) or any other place mutually decided by and between BEML Ltd and the supplier/contractor.	We respectfully request that the Sole Arbitrator be appointed through mutual consent of both parties. In case of failure to mutually agree within 30 days, either party may approach the competent authority under the Arbitration and Conciliation Act, 1996 for appointment.	Follow tender condition.
36	8. GENERAL CONDITIONS OF CONTRACT (GCC),DD. TERMINATION OF CONTRACT, Page 102 of 152 of RFP	2. Termination for Convenience of BEML BEML reserves the right to terminate the Contract, in whole or in part, at any time for its convenience, by giving 30 days' written notice to the Contractor. In such an event: ☐ The Contractor shall stop the work in an orderly manner. ☐ The Contractor shall be paid for the work executed satisfactorily up to the date of termination, as certified by BEML. ☐ No claim for loss of profit, overheads, idle charges, loss of opportunity, or any consequential damages etc. shall be payable. ☐ The Contractor shall hand over all drawings, designs, documents, and partially completed works to BEML.	We request to delete the sub-clause 2-Termination for Convenience of BEML	In addition to the provisions contained in the clause provisions of Foreclosure clause (Modified as above at sl no.....) shall also be applicable.
37	8. GENERAL CONDITIONS OF CONTRACT (GCC),INDEMNIFICATION, Page 108 of 152 of RFP	Indemnity against all actions of Contractor, Agents, Employees: The Contractor shall hold and save harmless and indemnify BEML and its employees, from all actions, suits, proceedings, loss, costs, damages, charges, claims and demands of every nature and description brought against or recovered from BEML and their employees by reason of any act, deed, omission or commission of the Contractor and/or his representative and/or his Employees and/or his sub-contractors in the execution of the works under the Contract. All the sums payable by BEML by way of compensation to any third party/ies, under any of these conditions, shall be recovered from the dues of the Contractor, without reference to the actual loss or damage sustained, and whether or not any damage shall have been sustained.	we request the following clarifications/modifications: 1. <del>Limitation</del> Limitation of Contractor's Fault: The indemnity may kindly be limited to losses or claims to the extent caused by the negligence, willful misconduct, breach of contract, or statutory violation by the Contractor, its employees or subcontractors. 2. <del>Exclusion</del> Exclusion of Employer's Fault: The Contractor shall not be liable for claims arising due to any act, omission, negligence, design defect, unilateral instruction, or breach attributable to BEML, its personnel, consultants, or other agencies engaged by BEML. 3. <del>Proportionate</del> Proportionate Liability: In case of contributory negligence, liability may be restricted to the proportion attributable to the Contractor. 4. <del>Actual</del> Actual Loss Basis: Recovery from Contractor's dues may kindly be limited to actual, proven losses, duly supported by documentary evidence, and not on notional or unsubstantiated basis. 5. <del>Exclusion</del> Exclusion of Indirect Damages: The indemnity may exclude indirect, consequential, remote or special damages such as loss of profit, loss of business opportunity, etc.	Follow tender condition.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
38	8. GENERAL CONDITIONS OF CONTRACT (GCC),9. ADDITIONAL CONDITIONS OF CONTRACT, Page 112 of 152 of RFP	D. In the event of anything evidently necessary to the due and complete performance of the works being omitted to be shown on the drawings or described in the specification or being omitted from the Bill of Quantities through oversight or error, the contractor shall, notwithstanding, execute (in the most perfect manner) all such works the same as if they had been severally shown, described and included without being entitled to make any extra claim or charge.	In the event of any error in the description or in the quantity in Price bid or any omission or absence there, subsequently leading to execution of additional/extra works, the Contractor shall be entitled to Extension of Time and compensation for all reasonable additional costs incurred as a result thereof.	Scope variation shall be dealt in accordance with clause <b>OO. Scope Variation / Change Management</b> (Page no 125- 126). This is an EPC tender wherein, a scope covers engineering, procurement and constructions of all buildings/facilities/ infrastructures/ plant&machinery mentioned there in. The intent of the referred clause is to impress that all associated finer details/works may not be explicitly mentioned in the scope/BOQ/drawing or would have been adventently missed out but essentially required for successfull performance of the particular system/project will deemed to be integral part of the scope and the EPC contractor is bound to carry out such works with out any additional cost. If the bidder brings out any descrespeny at pre-bid stage the same can be taken care of by BEML Ltd. Finer details pertaining to any facility/building/infrastructure to be discussed and finalised during detailed design stage in accordance with broad specifications
39	NIT, Pg. 1 of 152	EMD (Earnest Money Deposit): Rs. 13,14,04,465.00 In Words- Rupees Thirteen crore fourteen Lakhs four thousand four hundred sixty five only	We request you to keep the keep the EMD at 1% of the estimated value i.e. Rs. 6,57,02,233.00 In Words- Rupees six crore fifty seven Lakhs two thousand two hundred thirty three only	EMD has been reduced to INR 6.6 Crores (Approx. 1% of Tender estimate value)
40	Pg. 112/152 9. Additional Conditions of Contract B. Contract not to be assigned or underlet and consequence of Gratuities being given:	The contractor shall not assign or make over the contract to any other person, or underlet it, or make a sub-contract with any workmen or workman for the execution of any part of work(s), but shall employ his own workmen for the labour thereof, who shall be paid by him in wages by the day. And in case the Contractor assigns or makes over the contract, or underlet or make sub-contract, contrary to this clause or either himself or his agents give any gratuity to any employee of the Company, the company shall be at liberty to terminate the contract.	We would like to highlight that the Scope of Work is a <b>multi-disciplinary EPC project</b> encompassing specialized segments such as PEB Structures, Railway Track Sidings, MEP, Architectural Finishes, STP's, BIM, IT & Telecommunications etc, However, the current <b>restrictive clause prohibiting sub-contracting</b> and requiring the employment of workmen on a 'daily wage' basis is inconsistent with modern EPC project management. Execution of such diverse and specialized works requires the engagement of technically qualified sub-agencies and OEMs. Also, note that the scope includes Railway Track Sidings and MEP services, which often require execution by agencies holding specific licenses and statutory certifications.  We request the Employer to amend this clause to allow subcontracting for specialized components of the work, subject to the Employer's approval, as is standard practice in large-scale Industrial EPC contracts. This will ensure the highest quality of installation and adherence to statutory standards." We propose the following modified clause: "The Contractor may, with the prior written consent of the Employer, appoint sub- contractors for the work. The Main Contractor shall remain fully responsible for the acts and omissions of any sub-contractor."	Before out sourcing/sub-contracting part of total works to any specialised agency, the EPC contractor is required to obtain prior approval of M/s BEML. However, outsourcing of engineering works is not permitted except for IT & Telecommunication as per Corrigendum-1.
41	NIT Document- Pg. 60/152 Payment Schedule	Payment against a building/facility/ infrastructure shall be made as per the percentage of total price of the facility against completion of milestone as mentioned below A.Payment terms of RCC building B.Inspection & Testing Block C.Car body manufacturing Block (Each) D.STP E.Switchyard F.MEP Equipment/system	With reference to the Price Schedule, we note that the percentage breakup is provided for individual building components/sub-heads (totaling 100% for each unit). However, the overall weightage of each sub-head relative to the Total Contract Price (e.g., the weightage of the Inspection & Testing Block vs.RCC Buildings vs. Car body Manufacturing block) is not defined.  To ensure transparency in billing, progress monitoring, and cash flow planning, we request the Employer to provide a Master Percentage Weightage Schedule for all major sub-heads in the scope of work. Kindly clarify.	Follow tender condition.
42	General	Project Completion Period	We note that the project completion period is set at 18 months. Given the extensive EPC scope— which includes Detailed Engineering (BIM/Structural), procurement of long-lead MEP items, and specialized Railway Track Sidings—we believe a more realistic timeline is required to ensure high-quality execution and safety standards. Statutory approvals and the integration of complex utility systems typically follow a sequential timeline that exceeds the current limit. We request the Employer to reconsider and extend the completion period to a minimum of 24 months.	Follow tender condition.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
43	L. Submission of EMD (Earnest Money Deposit): EMD:	The bidders shall submit EMD along with their bids. The EMD/bid security shall be accepted in the form Of Account Payee Demand Draft, Banker's Cheque or Bank Guarantee from any of the commercial banks or online payment in an acceptable form. No Benefits of EMD exemption and price preference shall be extended to MSE Firms, as the subject tender falls under works cate or	As per the office memorandum vide no :F.1/1/2022.PPD, Dated: 2nd Feb 2022 from Ministry of Finance, Government of India, Insurance surety bonds are also accepted towards EMD. In this regard, we request you to accept Insurance Surety Bonds as EMD. We request you to review and confirm.	Follow tender condition.
44		Description of facilities	<b>Car Body inspection and testing line Facility:</b> Size is given as 850 x 24m in "Description of Facilities" document. But drawings (MEC-I0047-01-48-D1-XX-02-A-01100, MEC-I0047-01-48-D1-XX-02-A-01200, MEC-I0047-01-48-D1-XX-02-A-01300) indicate 4 buildings of size 420 x 24m each. Kindly clarify and provide drawings.	The revised size of the facility is 758mx24m. Please refer the revised drawings provided in Corrigendum No.1.
45		DRAWINGS ( MEC-I/0047-01-31-D1-XX-02-DR-T-13200 and MEC-I/0047-01-31-D1-XX-02-DR-T-13300)	Drawings MEC-I/0047-01-31-D1-XX-02-DR-T-13200 and MEC-I/0047-01-31-D1-XX-02-DR-T-13300, are not given in the Master list of drawings. The drawings are indicated with the title "CAR BODY INSPECTION & TESTING LINE FUNCTIONAL LAYOUT - FLOOR PLAN" and also "CENTRAL SCRAP YARD & DUMMY BOGIE & JIGS STORAGE COMPLEX." Kindly clarify and confirm the scope.	Please refer the revised master list of drawings provided in Corrigendum No.1. The drawings enclosed are in line with the revised master list
46		Description of facilities; DRAWINGS (MEC-I/0047-01-31-D1-XX-01-DR-T-13202)	In the document "Description of Facilities", for Car Body Fabrication & Assembly Line Facility, the major functional areas in Ground Floor Bay 1 are indicated as A.WATER TIGHTNESS TEST, B. Under frame fabrication facility and C. BOGIE LOAD TESTING. However, in the drawing MEC-I/0047-01-31-D1-XX-01-DR-T-13202, that bay does not indicate these items. Hence it is assumed that Anti-drumming facility, car body furnishing and bogie trucking are done in Ground floor Bay 1 and Bay 3 as per the drawings. All testing facilities are considered only in Car Body inspection and testing line facility. Kindly confirm.	Majority of the test on ready coaches shall be carried out in inspection and testing bay however, water tightness test shall be done in car body fabrication and assembly line facility as indicated in the drawing. Error in the description may be ignored. No water tightness test proposed at inspection block due to OHE.
47		Description of facilities (1.2 BUILDING list)	Pg. 7 of 269 specified future line of Assembly & Testing Shop. As per master layout, the provision for these future lines are not specified (non-availability of space for Inspection and testing line). Please clarify.	Master plant layout depicts only those facilities and infrastructure which are part of the scope of present EPC tender. However, in future following facilities are planned by BEML; 1. Manufacturing Block of identical size (400mx72m) - 3 Nos. 2. Inspection and Testing Line (326mx24m) - 2 Nos. 3. Additional Multi level parking of identical size (G+2) - 1 No. 4. Additional Office Space (G+4) of builtup area - 2817 Sq.m - 1 No. For present case follow Master Plan Layout and scope defined in the tender. Above information is provided to the bidders to impress that the design basis of MEP systems has the due consideration of the above future facilities
48		DRAWINGS (MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100)	Space for Township, Space for Auditorium and Space for Guest house are not considered in scope. Please confirm.	They were shown only as space for future facilities and not to be considered in scope of EPC tender. Please refer the revised master layout drawings provided in Corrigendum No.1 wherein the facilities which are not part of the EPC's scope have been removed.
49		Description of facilities (6.1 in Pg.21)	Please provide drawings for Office complex (G+5) of size 75.60m x 18.90m	Please refer the revised master list of drawings provided in Corrigendum No.1 wherein the drawings of Office Complex are provided.
50		Description of facilities (2.1 in Pg.6 & 6.10 in Pg.40)	Please provide drawings for Plant Office / Annex building (G+5) 2 nos. of size 120 x 4m	Please refer the revised master list of drawings provided in Corrigendum No.1 wherein the drawings of Annex building are provided.
51		DRAWINGS (MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100)	Please provide details and scheme drawing for Elevated Circular Test track.	Elevated circular test track will not be covered under EPC tender. Revised drawings without this track have been provided in Corrigendum No.1
52		Description of facilities(2.1 1st floor Bay 3"; DRAWINGS (MEC-I/0047-01-31-D1-XX-01-DR-T-13202)	In Car Body Fabrication & Assembly Line Facility, First floor Bay-3, Drawing no. MEC-I/0047-01-31-D1-XX-01-DR-T-13202 indicates 2 nos. of 25T/5T EOT contradicting with document "Description of Facilities" which mentions 2 nos. of 10T/2T EOT.	Required EOT is only 2 Nos. of 10T/2T EOT. Revised drawings are provided in Corrigendum No.1.
53		Description of facilities; DRAWINGS (MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100)	3 Gate complexes are mentioned in the documents (Main gate complex with security office, Gate complex for trucks with security office & Gate complex at railway siding main gate complex with security office). But Master Plan has 3 Site entry gate office + 1 siding gate office. Kindly confirm.	There are 4 gates altogether. All gates are marked on the revised master layout which has been provided in the Corrigendum No.1

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
54		Bill of Quantities (Item no. 20)	Please provide Storage Yard location and details	Location is provided in revised master layout. The detail drawings of the facility is also enclosed in the Corrigendum No.1.
55		Description of facilities	Provide the type of Rail, Its cross-section and Level above FFL and its supporting arrangement	Flat footed rails to be adopted (60kg/m). The head of the rail will be flushed with FFL.
56		General	Provide any schematic dwgs for EPSS, Compressed Air System, Gas Bank, RO Plant, Railway Yard and Traversors	Bidder to decide.
57		DRAWINGS	Kindly note that block wall heights and wall sheeting level for Car body fabrication Facility & Car body inspection and testing facilities are not mentioned in drawings, Shall we consider 3.00m high block wall from FFL and balance height with wall sheeting. Please confirm.	Both Car body Manufacturing Facility & Car body inspection and testing facilities are required to have 3.0m high block wall above FFL.
58		DRAWINGS	Please share autocad format for all drawings, as we found that there are differences between the scale and dimension marked.	AutoCAD drawings are provided in corrigendum-1
59		DRAWINGS (MEC-I/0047-01-31-D1-XX-01-DR-T-13300)	For Car body fabrication Facility & Car body inspection and testing facilities, the roof slopes are mentioned as 1:60. But the ridge level and eave level are not complying with this ratio. Please confirm which one to be followed	Ridge level to be adjusted as per the specified slope 1:60. eave height for car body fabrication facility and car body inspection facility to be considered as 35500mm and 10000mm respectively.
60		DRAWINGS	Kindly confirm whether the Traverser-2 is covered on all sides & roof or to be kept open	Traverser should be provided with Arch-roof and sides are also to be covered, Front & rear sides will not be covered so that coaches can enter and exit the traverser while coach shifting
61		DRAWINGS (MEC-I/0047-01-31-D1-XX-01-DR-T-13202)	Please clarify the purpose of refuse area provided in the floor plans of Car body fabrication facility. Also provide section for the same.	This refuse area shown earlier is replaced by emergency assembly point indicated in master the plant layout.
62		DRAWINGS	To comply with NBC, additional fire escape staircases shall be provided over and above the existing staircases serving the plant office area. Please provide locations with respect to the process flow.	Fire staircasees have already been shown in the drawing. However, Bidder to assess it further during the detail design stage and provision for additional ones if required.
63		<b>4-(OFFICE COMPLEX-2)</b>	Please provide office building plan and sections.	Refer corrigendum-1
64		<b>05A-(CANTEEN BUILDING)</b>	Please mention the clear height requirement from FFL to bottom of roof beam.	The clear height requirement from FFL to bottom of roof beam is 3.5m
65			As per drawing, False ceiling is shown for BEML Contract Employees Dining area only, please confirm whether it will be required for other areas also. Also please provide false ceiling height.	False ceiling is to be provided for all the dining areas. False ceiling height to be kept as 3.0m (minimum). To be maximised to the extent possible by optimising the duct sizing above False ceiling.
66			Please confirm the type & thickness of external and internal Blockwall. Also provide the room dimensions.	Drawings are provided in Corrigendum - 1, Room size are to worked out based on grid sizes provided in drawing and thickness of AAC block masonry on external face of the building shall be invariably 200mm. For internal partitions/walls thickness of block masonry can be 200/100mm as decided by EPC contractor provided it meets the functional requirements.
67			Please confirm the height, thickness & type (Blockwork or RCC) of Parapet wall.	Minimum Parapet height specified in general building specification to be followed (inclusive of cap beam). Thickness of 100mm block masonry with columns protruding above the slab level to the full height of parapet wall.
68			Please provide necessary elevations and sections for external walls on all sides.	Bidders to visualize and assess themselves it on their own
69			Please clarify the height & wall type for the entrance porch.	Entrance porch height and wall type to be decided by bidders to make it aesthetically pleasing meeting functional requirement
70			Kindly confirm whether any restrictions or limitations are to be considered with respect to the element sizes.	Within the overall ambit of drawings and specifications minor changes shall be acceptable as long as functional requirement are met.
71			Please share details on level difference from FGL to FFL for canteen building.	level difference should be kept as 450mm
72		<b>6-(MEDICAL CENTRE)</b>	Please mention the clear height requirement from FFL to bottom of roof beam.	The clear height requirement from FFL to bottom of roof beam to be decided by bidder in consideration to the fact that false ceiling height is to be kept as 3.0m.
73			Please confirm whether false ceiling is required. If yes, kindly provide height of false ceiling.	Yes, false ceiling to be provided with the height of false ceiling as 3.0m. This should be taken as governing parameter for working out the overall height of the building.
74			Please confirm the height, thickness & type (Blockwork or RCC) of Parapet wall.	Minimum Parapet height specified in general building specification to be followed (inclusive of cap beam). Thickness of 100mm block masonry with columns protruding above the slab level to the full height of parapet wall.

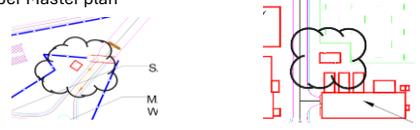
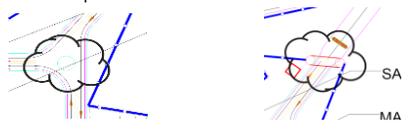
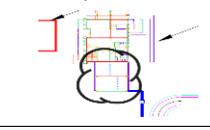
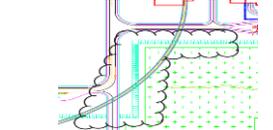
Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
75			Please share details on level difference from FGL to FFL for medical centre.	Level difference should be kept as 450mm
76		<b>08A&amp;08B-(MULTILEVEL CARPARKING)</b>	Please mention the clear height requirement from floor to floor(FFL to Bottom of Beam).	Minimum 4.0m is the clear height requirement from floor to floor for the Ground floor and for the subsequent floors it may be taken as 3.5m
77			Please confirm the height, thickness & type(Blockwork or RCC) of Parapet wall.	Parapet wall shall be of RCC of required thickness(to be assessed by bidder) height of parapet is 1m.
78			Please confirm the type & thickness of external Blockwall.	Not applicable
79			Please share details on level difference from FGL to FFL for multi level car parking.	The level difference is 200mm refer relevant drawings provided in Corrigendum-1.
80			Kindly provide details regarding: (i) Lift pit depth (ii) Type of infill wall — RC infill wall or brick infill wall (iii) Requirement of machine room	(i) Available AutoCAD drawing for the Multi level car parking is provided in Corrigendum - 1, Bidder to assess it on their own (ii) RCC infill walls (iii) No Machine room is not envisaged at the present stage
81			Please confirm if staircase headroom is required for staircase 02&03.	Yes. Please refer the available AutoCAD drawing for the Multi level car parking is provided in Corrigendum- 1.
82		<b>10A-(MAIN GATE COMPLEX)</b>	Please confirm the projection length for slab and pergola at terrace floor level.	Please refer the relevant AutoCAD drawing provided in Corrigendum- 1.
83			Please mention the clear height requirement from floor to floor(FFL to Bottom of Beam).	The clear height requirement from FFL to bottom of beam is 3.0m.
84			Please confirm the height, thickness & type(Blockwork or RCC) of Parapet wall. (900mm height shown in drawing is found not matching with minimum requirement specified in document“Description of Facilities”.	The height as shown in the drawing to be followed.
85			Please provide the height for all entry and exit gates.	Follow the drawing, However it (clear headroom)should not be less than 6.2mtr. For main gate complex from general aesthetics point of view the slab top level and gate top level to be matched.
86			Please provide details on headroom clear height for staircase (FFL to Bottom of Beam).	Minimum headroom clear height to be considered as 2.1m. Available drawing for the Main Gate Complex is provided in Corrigendum- 1, Bidder to assess it on their own
87			Please share details on level difference from FGL to FFL for main gate complex with security building.	The level difference to be kept as 450mm. Available Drawing for the Main Gate Complex is provided in Corrigendum- 1, Bidder to assess it on their own
88		Drawings ( Page 3 of 42) Master plan layout	Master plan indicates space for auditorium. However the head load summary indicated in Description of facilities; (page no 139-140 of 269) Table 2 does not include Auditorium for chiller sizing. Kindly confirm.	Auditorium is not in the scope of this tender. Revised master layout is provided in Corrigendum-1
89		Drawings ( Page 24-25 of 42) Multi level car parking layout	It is the understanding of the bidder that MLCP area ( above ground structure) shall be naturally ventilated. Kindly confirm.	Yes
90		Description of facilities; (page no 20-22 of 269) Clause 4.1 & 6.1	2 no of Canteen are planned in the facility. Please confirm on the no. of kitchen and the respective type of kitchen (heavy cooking or pre heating type) with no of pax .	Only 1 No of canteen building is in the scope of this tender. The second canteen building is proposed only for the future. Details of canteen building is already provided in Clause 6.3 Canteen Building at Page no. 23 of Description of Facilities. Please refer.
91	Drawings, Page 3 of 42	Master Plan Layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	We need to understand "How the Finished Car is moving from Inspection & Testing Building to Railway track".	Please refer the revised master layout provided in Corrigendum-1 which is self explanatory.
92	Drawings, Page 3 of 42	Master Plan Layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	As per levels indicated in Masterplan, the railway track levels vary from 459.15 lv to 452.55 lv which is 6.60m level difference. Kindly validate the levels and confirm the main track levels at connection point of Main Line.	Please refer the revised master layout provided in Corrigendum-1
93	Drawings, Page 1 of 42	Sr. No. 24 & 25 - MRSS Building MEC-I0047-01-48-D1-XX-14-DR-A-01100 MEC-I0047-01-48-D1-XX-14-DR-A-01200	Both drawings are not available in the document, kindly provide	Revised set of drawings are provided in Corrigendum-1. Please refer.
94	Drawings	Inspection & Testing Building, Fabrication Building	As per tender Drawings, Toilet is not indicated in these two Buildings. Please provide locations to place the toilets requirement.	For manufacturing block, Washrooms have been proposed in office buildings annexed to it. There is no separate provision of washroom in inspection and testing bay. Refer Corrigendum-1.

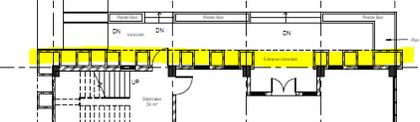
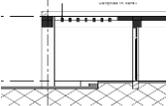
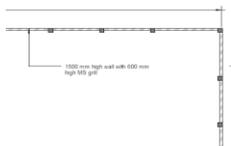
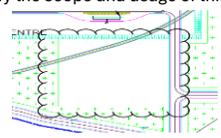


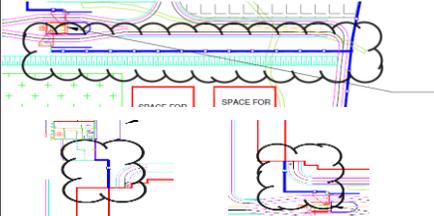
Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
95	Drawings & Description of Facilities (Page 6 & 40 of 269)	Inspection & Testing Building, Fabrication Building & Annexe Building (Page 6 & 40 of 269) The Plant offices for the above Manufacturing line has been attached as Annex building by the side of the Fire exit staircase for optimum utilisation of spaces.	Kindly share the location of Annexe Building in the master plan, Also require the floor wise layout, section & elevation of the building. Further, we need layout showing lift location having connection between annexe building and manufacturing bay.	Revised set of drawings are provided in Corrigendum-1. Please refer.
96	Drawings, Page 3 of 42	Master Plan Layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	As per the master layout, the proposed track (near Traverser-2) is starting at level 457.55m and ends at 452.55m. If those levels are to be maintained, there will be high chances of water stagnation / flooding inside the track areas. Kindly confirm the levels.	Water stagnation / flooding inside the track areas are to be taken care of by adopting proper drainage system. The details are to be discussed during the detail design stage
97	Drawings, Page 3 of 42	Master Plan Layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	There is proposed road of width 4m all around the plot boundary. Whether any storm water drainage to be considered for the road. Kindly clarify	Yes. Storm water drainage needs to be considered for the road.
98	Drawings	Drawings not available	The layout, section drawings for the below buildings are not available. Kindly provide 1. Office complex (G+5) 2. Main Receiving Sub Station (MRSS) (33 KVA) 3. Emergency Power Supply System (EPSS)(750x2) 4. Compressed air system (12 bar) 5. Centralized gas bank (Acetylene + Argon) 6. Annex Building	Revised set of drawings are provided in Corrigendum-1. Please refer.
99	Drawing (Page 33 of 42) Description of Facilities (Page 212 of 269)	MEC-I10047-01-40-D1-ZZ-15-DR-N-03002 23.2 AIR COMPRESSOR	We presume 7 bar air compressors is required in all columns for the Car Body Fabrication & Assembly Shop only. Please confirm.	In case of usage of Pnuematic tools of assembly purpose a minimum of 10-bar and for brake testing of trians minimum of 12- bar delivery pressure are to be ensured.
100	Drawing (Page 33 of 42) Description of Facilities (Page 212 of 269)	MEC-I10047-01-40-D1-ZZ-15-DR-N-03002 23.2 AIR COMPRESSOR	7-bar air compressor supply is not considered for the inspection facility area. Please confirm	A minimum delivery pressure of 12-bar is required at inspection facility area.
101	Drawing (Page 33 of 42) Description of Facilities (Page 212 of 269)	MEC-I10047-01-40-D1-ZZ-15-DR-N-03002 23.2 AIR COMPRESSOR	12 bar air compressors shall be located in the Inspection Bay at frequent intervals with the minimum piping to serve the overall inspection area. Please confirm.	Yes
102	Drawing (Page 38 of 42)	MEC-I10047-01-40-D1-ZZ-16-DR-N-03004	In the drawing, the distribution is mentioned as "ACM Gas To Process". Kindly confirm the location of process.	Revised set of drawings are provided in Corrigendum-1. Please refer.
103	Drawings, Page 3 of 42	Master Plan Layout MEC-10047-01-14-D1-ZZ-ZZZ-DR-J-10100	Request to share the CAD file (scale plan) of master layout plan to check the feasibility of curvature of Track.	Revised set of drawings along with CAD files are provided in Corrigendum-1. Please refer.
104	Drawings, Page 3 of 42	Master Plan Layout MEC-10047-01-14-D1 -ZZ-ZZZ-DR-J-IOI OO The combined track consisting of Standard gauge and broad gauge shall be laid of length 420meters between the two traversers.	Bidder understands that the track In Image-I IS B track and Track in Image -2 is combination of BG & SG track (within Traverser 1 and Traverser 2). Please provide the indicative cross-section of both track for bidder's reference. Additionally, kindly share clear and legible images of the testing facility, as the drawings provided earlier are not clear.	Revised set of drawings along with CAD files are provided in Corrigendum-1. Please refer. Cross-section of combination of BG & SG track needs to be visualized by the bidder as this is a basic drawings.
105	Drawings, Page 3 of 42	Master Plan Layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100 Turnouts	Turnout type is not mentioned in master layout plan. Client is requested to convey the specific details for bidders' consideration.	Please refer the revised master layout provided in Corrigendum-1

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
106	Drawings, Page 3 of 42	Master Plan Layout MEC-10047-01-14-D1-ZZ-ZZZ-DR-J-10100 Alignment & Track Cross section	Bidder understands that the track outside the facility will be a ballasted track, while a ballast less system will be provided inside the facility. Accordingly, please provide the detailed specifications for the ballasted track (such as ballast cushion depth and sleeper spacing) as well as the foundation type for the ballast less track (pit, plinth, or embedded system). Kindly also share the indicative cross-section for each track type for our reference. Additionally, the Client is requested to share the following parameters w.r.t. track alignment design for bidders' consideration: <ul style="list-style-type: none"> <li>• Maximum Design/Operating speed</li> <li>• Permissible cant</li> <li>• Track spacing</li> <li>• Minimum curve radius</li> <li>• Maximum gradient of the proposed track</li> </ul>	The specifications of IRS codes are to be followed.
107	Drawings, Page 3 of 42	Master Plan Layout MEC-10047-01-14-D1-ZZ-ZZZ-DR-J-10100 Embankment	Bidder understands that embankment will be prepared as latest RDSO guidelines (RDSO GE:004 Sep-2020) for railway embankment.	Yes
108	Drawings, Page 3 of 42	Master Plan Layout MEC-10047-01-14-D1-ZZ-ZZZ-DR-J-10100 Buffer Stop	Request you to confirm the type of buffer stop or dead end to be provided at the terminal.	Fixed/ rigid type is to be considered
109	Autocad Drawings	General	Kindly Provide All architectural concept drawings in autocad format.	AutoCAD drawings are provided in Corrigendum - 1
110	Area Statement	General	Kindly provide the structure wise area statement.	Please refer Pg.no. 4 & 5 in description of facilities document. Additional details may be derived from the AutoCAD drawings provided in Corrigendum - 1
111	EOT crane Layout		Kindly share the structure wise levelwise EOT crane layout showing the Running length of each crane with span.	Available details are provided in the drawings attached in Corrigendum - 1. Please refer.
112	BOQ	20. Storage Yard	Kindly specify the location of storage yard specified in BOQ.	Please refer the revised Master Layout drawing provided in Corrigendum -1.
113	Drawings		Request you to kindly provide the drawings of the following building <ol style="list-style-type: none"> <li>1). Office complex- This facility shall be RCC Framed structure with Ground + 5 Floor configuration. The ground floor size of building shall be 75.6m x 18.9 m</li> <li>2)Centralised Gas bank Shed – 01</li> <li>3)Main Receiving Sub Station – MRSS- 01</li> <li>4)RO Plant (Hard Stand)- 01</li> <li>5)Centralised compressed air station 01 No.</li> <li>6)Traverser Foundation – 02 Nos</li> </ol>	Available set of all drawings (both PDF and AutoCAD) are provided in Corrigendum - 1
114	General,Description of facilities Drawings-Master plan layout	Mismatch in the dimension.	For the below given buildings there is a discrepancy in the building dimensions as indicated in the Description of Facilities document and the Master Plan drawing. Kindly confirm which document should be referred to for final dimensions: <ul style="list-style-type: none"> <li>•Car body Inspection &amp; testing Bay</li> <li>•Medical centre</li> <li>•Fire station</li> <li>•Safety office</li> <li>•RO plant (Container based)</li> <li>•Traversers (75 Ton)</li> <li>•Traversers (75 Ton)</li> <li>•Canteen building (Single Storey)</li> <li>•Fire water pump house &amp; sump</li> <li>•Main Receiving Sub Station (MRSS)</li> <li>•Chiller plant</li> </ul>	The mis-match has been corrected either in description of facilities or Both Please refer to the Corrigendum-1.
115	General,Description of facilities	Office complex dimension discrepancy	There is a discrepancy in the dimensions of the office complex between the Description of Facilities on: <ul style="list-style-type: none"> <li>• Page no. 4 - 75.6m x 18.9m</li> <li>• Page no. 22 - 22m x 36m</li> </ul> Kindly confirm which one to follow.	Refer revised drawings in attached in Corrigendum No. 1

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
116	General, Description of facilities	Fire station dimension discrepancy	There is a discrepancy in the dimensions of the Fire station between the Description of Facilities on: <ul style="list-style-type: none"> <li>Page no. 4 - 32.4mx10.8m</li> <li>Page no. 23 - 27m x 12m</li> </ul> Kindly confirm which one to follow.	Refer revised drawings in attached in Corrigendum No. 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
117	General, Description of facilities	Safety office dimension discrepancy	There is a discrepancy in the dimensions of the Safety office between the Description of Facilities on: <ul style="list-style-type: none"> <li>Page no. 4 - 25.2mx14.4m</li> <li>Page no. 23 - 18m X 15m</li> </ul> Kindly confirm which one to follow.	Refer revised drawings in attached in Corrigendum No. 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
118	General,		We have observed substantial variation in plot level, kindly confirm weather bidder can finalize individual building plinth level as per terrain.	Please refer revised drawings provided in Corrigendum - 1 for formation levels of all the proposed structures																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
119	General, Drawing	Elevation drawing missing	Kindly provide elevations of the buildings listed below, as these are not given: <ul style="list-style-type: none"> <li>Canteen complex</li> <li>Common chiller plant</li> <li>Fire station</li> <li>Multilevel car parking</li> <li>Security office</li> <li>Medical centre</li> </ul>	All the missing Drawings are provided in Corrigendum - 1. Please refer.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
120	General	Door Window schedule & tags	Kindly provide us with door window schedule along with the door tags for all the areas.	The drawings are conceptual in nature, the bidder needs to assess and finalize it during the detail design stage.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
121	General	Blockwork layout	Kindly provide the blockwork layout and type for all the buildings	Available Drawings are provided in Corrigendum - 1, Blockwork type is AAC, refer NIT for its specification																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
122	Drawing, MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	Master plan layout	Site logistic layout required for understanding the circulation.	Master plan layout clearly indicates the roads for the movement of vehicles. The tender drawings may be followed.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
123	Drawing, Drawings Overall master list of Drawings/Document	List of buildings	Following list of buildings are given in list of drawings but however drawings for the same is not provided: <table border="1"> <thead> <tr> <th colspan="4">ARCHITECTURAL DRAWINGS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>100 FT ROAD FABRICATION AND ASSEMBLY FACILITY</td> <td>05A</td> <td>MEC-I0047-01-00-01-03-00-04-01-0100</td> <td>FLOOR PLAN</td> </tr> <tr> <td>2</td> <td>100 FT ROAD FABRICATION AND ASSEMBLY FACILITY</td> <td>05B</td> <td>MEC-I0047-01-00-01-03-00-04-01-0100</td> <td>SECTIONS</td> </tr> <tr> <td>3</td> <td>100 FT ROAD FABRICATION AND ASSEMBLY FACILITY</td> <td>05C</td> <td>MEC-I0047-01-00-01-03-00-04-01-0100</td> <td>SECTION</td> </tr> <tr> <td>4</td> <td>OFFICE COMPLEX 1</td> <td>4</td> <td>MEC-I0047-01-00-01-03-00-04-01-0100</td> <td>SECTION, FLOOR PLAN AND THIRD FLOOR PLAN</td> </tr> <tr> <td>5</td> <td>OFFICE COMPLEX 2</td> <td>4</td> <td>MEC-I0047-01-00-01-03-00-04-01-0100</td> 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</tr> <tr> <td>103</td> <td>OFFICE COMPLEX 100</td> <td>4</td> <td>MEC-I0047-01-00-01-03-00-04-01-0100</td> <td>SECTION AND VIEW</td> </tr> </tbody> </table>	ARCHITECTURAL DRAWINGS				1	100 FT ROAD FABRICATION AND ASSEMBLY FACILITY	05A	MEC-I0047-01-00-01-03-00-04-01-0100	FLOOR PLAN	2	100 FT ROAD FABRICATION AND ASSEMBLY FACILITY	05B	MEC-I0047-01-00-01-03-00-04-01-0100	SECTIONS	3	100 FT ROAD FABRICATION AND ASSEMBLY FACILITY	05C	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION	4	OFFICE COMPLEX 1	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION, FLOOR PLAN AND THIRD FLOOR PLAN	5	OFFICE COMPLEX 2	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION, FLOOR PLAN AND FIFTH FLOOR PLAN	6	OFFICE COMPLEX 3	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND ELEVATION	7	OFFICE COMPLEX 4	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	8	OFFICE COMPLEX 5	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	9	OFFICE COMPLEX 6	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	10	OFFICE COMPLEX 7	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	11	OFFICE COMPLEX 8	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	12	OFFICE COMPLEX 9	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	13	OFFICE COMPLEX 10	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	14	OFFICE COMPLEX 11	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	15	OFFICE COMPLEX 12	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	16	OFFICE COMPLEX 13	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	17	OFFICE COMPLEX 14	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	18	OFFICE COMPLEX 15	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	19	OFFICE COMPLEX 16	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	20	OFFICE COMPLEX 17	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	21	OFFICE COMPLEX 18	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	22	OFFICE COMPLEX 19	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	23	OFFICE COMPLEX 20	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	24	OFFICE COMPLEX 21	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	25	OFFICE COMPLEX 22	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	26	OFFICE COMPLEX 23	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	27	OFFICE COMPLEX 24	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	28	OFFICE COMPLEX 25	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	29	OFFICE COMPLEX 26	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	30	OFFICE COMPLEX 27	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	31	OFFICE COMPLEX 28	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	32	OFFICE COMPLEX 29	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	33	OFFICE COMPLEX 30	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	34	OFFICE COMPLEX 31	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	35	OFFICE COMPLEX 32	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	36	OFFICE COMPLEX 33	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	37	OFFICE COMPLEX 34	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	38	OFFICE COMPLEX 35	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	39	OFFICE COMPLEX 36	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	40	OFFICE COMPLEX 37	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	41	OFFICE COMPLEX 38	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	42	OFFICE COMPLEX 39	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	43	OFFICE COMPLEX 40	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	44	OFFICE COMPLEX 41	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	45	OFFICE COMPLEX 42	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	46	OFFICE COMPLEX 43	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	47	OFFICE COMPLEX 44	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	48	OFFICE COMPLEX 45	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	49	OFFICE COMPLEX 46	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	50	OFFICE COMPLEX 47	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	51	OFFICE COMPLEX 48	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	52	OFFICE COMPLEX 49	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	53	OFFICE COMPLEX 50	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	54	OFFICE COMPLEX 51	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	55	OFFICE COMPLEX 52	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	56	OFFICE COMPLEX 53	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	57	OFFICE COMPLEX 54	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	58	OFFICE COMPLEX 55	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	59	OFFICE COMPLEX 56	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	60	OFFICE COMPLEX 57	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	61	OFFICE COMPLEX 58	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	62	OFFICE COMPLEX 59	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	63	OFFICE COMPLEX 60	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	64	OFFICE COMPLEX 61	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	65	OFFICE COMPLEX 62	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	66	OFFICE COMPLEX 63	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	67	OFFICE COMPLEX 64	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	68	OFFICE COMPLEX 65	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	69	OFFICE COMPLEX 66	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	70	OFFICE COMPLEX 67	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	71	OFFICE COMPLEX 68	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	72	OFFICE COMPLEX 69	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	73	OFFICE COMPLEX 70	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	74	OFFICE COMPLEX 71	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	75	OFFICE COMPLEX 72	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	76	OFFICE COMPLEX 73	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	77	OFFICE COMPLEX 74	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	78	OFFICE COMPLEX 75	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	79	OFFICE COMPLEX 76	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	80	OFFICE COMPLEX 77	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	81	OFFICE COMPLEX 78	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	82	OFFICE COMPLEX 79	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	83	OFFICE COMPLEX 80	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	84	OFFICE COMPLEX 81	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	85	OFFICE COMPLEX 82	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	86	OFFICE COMPLEX 83	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	87	OFFICE COMPLEX 84	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	88	OFFICE COMPLEX 85	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	89	OFFICE COMPLEX 86	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	90	OFFICE COMPLEX 87	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	91	OFFICE COMPLEX 88	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	92	OFFICE COMPLEX 89	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	93	OFFICE COMPLEX 90	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	94	OFFICE COMPLEX 91	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	95	OFFICE COMPLEX 92	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	96	OFFICE COMPLEX 93	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	97	OFFICE COMPLEX 94	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	98	OFFICE COMPLEX 95	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	99	OFFICE COMPLEX 96	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	100	OFFICE COMPLEX 97	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	101	OFFICE COMPLEX 98	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	102	OFFICE COMPLEX 99	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	103	OFFICE COMPLEX 100	4	MEC-I0047-01-00-01-03-00-04-01-0100	SECTION AND VIEW	All the missing Drawings are provided in Corrigendum - 1. Please refer.
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124	Drawing, Master plan layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100		Kindly confirm the scope of work for the areas listed below as these are given under proposed facility list in master plan: 1. Space for township, 2. Space for Auditorium, 3. Space for Guest House	Not in the scope of EPC tender. Revised drawings are enclosed in Corrigendum-1. Please refer.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
125	Drawing, Master plan layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	Elevated Circular Test Track scope.	An Elevated Circular Test Track is indicated in the Master Plan. Kindly clarify the detailed scope of work for the same. 	Not in the scope of EPC tender. Revised drawings are enclosed in Corrigendum-1. Please refer.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
126	Drawing, Master plan layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	Shop Drive way scope.	Shop driveway is indicated in the Master Plan. Kindly clarify the detailed scope of work for the same.	After completion of construction, the shop driveway shall be marked with suitable floor paint.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
127	Drawing, Master plan layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	Existing footpath scope.	There is existing footpath indicated in the Master Plan. Kindly clarify the detailed scope of work for the same.	Existing footpath shown in the master plan is to only show the location of existing footpath road having access to the site.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
128	Drawing, Drawings Description of facilities_pg.no. 4	List of buildings drawings not available	Following list of buildings are given in list of facilities but however drawings for the same is not provided: 1. 100 ft road Weight bridge & office 2. RO plant (Container based) 3. Railway yard (BG) with OHE	For weigh bridge & RO plant, the details will be made available by the respective suppliers and execution is to be done by EPC contractor in accordance with the same. However, before execution details are to be submitted to BEML an Approval of same is to be obtained.  Railway yard work is to be carried out in accordance with specifications spelt out in relevant IRS code.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
129	Drawing, NIT100226_Major building/structure/facilities/ infrastructure covered under the scope are as follows:	List of buildings drawings not available	The following building is mentioned in NIT, drawings not available. Kindly provide the detailed drawings: 1. Material Gate (G + 1) 2. Interplant Traverser - 2nos	Refer the Drawing No: MEC-I0047-01-48-D1-XX-9B-DR-A-01100 for material Gate (G+1). Drawings for the traverser should be as per the OEM. The EPC contractor shall coordinate with OEM and finalize the same with approval of BEML
130	Drawing,BOQ-1002_Tender No. 6300040354	List of buildings drawings not available	The following component is mentioned in BOQ kindly provide location, scope and detailed drawing: 1. Storage Yard	All the missing Drawings are provided in Corrigendum - 1. Please refer.
131	Drawing,Master plan layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10101	Unidentified structures	Kindly provide the details and scope of these highlighted unknown structures as per Master plan 	Refer the revised master layout provided in Corrigendum - 1 in which the highlighted portion is about security post, Tungsteel of the gate marked beside the office, the drop down of the formation level, junction of the roads.
132	Drawing,Master plan layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10101	Unidentified structures	Kindly provide the details and scope of these highlighted unknown structures as per Master plan 	Refer the revised master layout provided in Corrigendum - 1 in which the highlighted portion is about security post, Tungsteel of the gate marked beside the office, the drop down of the formation level, junction of the roads.
133	Drawing,Master plan layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10101	Unidentified structures	Kindly provide the details and scope of these highlighted unknown structures as per Master plan 	Refer the revised master layout provided in Corrigendum - 1 in which the highlighted portion is about security post, Tungsteel of the gate marked beside the office, the drop down of the formation level, junction of the roads.
134	Drawing,Master plan layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10101	Unidentified structures	Kindly provide details and scope of this marked lines as per Master plan 	Refer the revised master layout provided in Corrigendum - 1 in which the highlighted portion is about security post, Tungsteel of the gate marked beside the office, the drop down of the formation level, junction of the roads.
135	,Scope of work Pg. No. 38	Coordination of all disciplines while designing and preparation of a drawing taking care of all aspects/related disciplines is the sole responsible of the EPC contractor. All design and drawings are to be duly vetted by premier institution like IIT/IISC before final submission to BEML for its acceptance and release for construction	Kindly clarify if this is applicable for Architectural drawings too.	Yes, including Architectual Drawings
136	Drawing,MEC-I0047-01-48-D1-XX-5A & 5B-DR-A-01101 CANTEEN BUILDING	Roof Detail of Canteen	Kindly Provide roof level plan and details for the Canteen complex. 	Roof level plan is not available however for load calculation purpose In addition to live load & water tanks of required capacity and provision for solar geyser/ induction geyser may be considered. Besides this load of AHUs may also be considered.
137	Drawing,MEC-I0047-01-48-D1-XX-5A & 5B-DR-A-01100 CANTEEN BUILDING	Canteen Complex toilet layout	For toilet area Canteen complex kindly provide detail toilet layout as the drawing shows only toilet block.	the toilet block should be planned in accordance with the population it is serving to in one slot. At the time of detail engineering this can be discussed with BEML team and finalise.
138	Drawing,MEC-I0047-01-48-D1-XX-5A & 5B-DR-A-01100 CANTEEN BUILDING	Canteen Complex kitchen detail	Kindly provide detail kitchen layout in canteen complex.	Available AutoCAD drawings for canteen building are provided in Corrigendum - 1. Bidder to assess as per the available drawings

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
139	Drawing,MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	Elevated circular test track	As the track is running above the canteen building, requesting the required levels and detailed specifications to understand how it is intended to work.	Not in the scope of EPC tender. Revised master layout drawing is being enclosed with Corrigendum-1.
140	Drawing,MEC-I0047-01-48-D1-XX-9A-DR-A-01200 MAIN GATE COMPLEX WITH SECURITY OFFICE	Main gate complex with security office pergola detail	Kindly provide details of pergola in main gate complex with security office 	As per Auto Cadd drawing the projection length for pergola and slab on different sides of the building is 2.1m, 0.9m, 0.95m, 3.4m. For further details please refer the AutoCAD drawings provided in Corrigendum-1.
141	Drawing,MEC-I0047-01-48-D1-XX-9A-DR-A-01100 MAIN GATE COMPLEX WITH SECURITY OFFICE	Main gate complex with security office detail required	Kindly provide detail of the marked element in entrance verandah of Main gate complex and also provide with planter bed height and wall details. 	Please refer the Description of facilities for further details of respective building/facility
142	Drawing,MEC-I0047-01-48-D1-XX-9B-DR-A-01100 GATE COMPLEX FOR TRUCK ENTRY / EXIT	Gate complex for truck entry exit type of staircase	Kindly provide details of staircase and specify its type it will concrete or steel 	Staircase type will be RCC. Available AutoCAD drawings are provided in Corrigendum - 1. Bidder to assess as per the available drawings
143	Drawing,MEC-I0047-01-48-D1-XX-12-DR-A-01100 SAFETY OFFICE	Safety office pergola detail	Kindly provide detail of pergola in safety office. 	As per AutoCAD drawings provided in Corrigendum -1, the projection length for pergola and slab on different sides may be assessed by the bidder.
144	Drawing,MEC-I0047-01-48-D1-XX-10K-DR-A-01100 100 KLD MBR BASED STP BUILDING	100 KLD MBR based STP building tank detail	Kindly provide detail of tanks along with the depth of tank.	In NIT Broad specification of the facility is provided along with Process flow diagram showing different tanks. These are for reference. The EPC contractor has to design it and assess the tank capacity.
145	Drawing,MEC-I0047-01-48-D1-XX-10K-DR-A-01100 100 KLD MBR BASED STP BUILDING	100 KLD MBR based STP building roof detail	Kindly provide roof details of the STP building.	Metal sheet roofing is considered for STP. Available AutoCAD drawings are provided in Corrigendum - 1. Bidder to assess further details as per the available drawings
146	Drawing,MEC-I0047-01-48-D1-XX-07-DR-A-01100 RAW MATERIAL STORAGE YARD	Raw material storage yard compound wall detail	Kindly provide details of the compound wall in the the raw material storage yard. 	The drawing is enclosed and it is amply clear that it is having a pucca boundary wall of height -1500 mm and above that 600 mm MS grill, specified there in with two leaf (5mtr width) gates along with pedestrian entry gate(1Mtr width) ,office and parking area,please follow the drawing.
147	Parking,MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	BUILDING	Kindly clarify the scope and usage of this empty space 	Please refer revised AutoCAD drawings are provided in Corrigendum - 1
148	Parking,MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	Ambulance Parking	Kindly provide details for the ambulance parking area.	Please refer revised AutoCAD drawings are provided in Corrigendum - 1

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
149	Furniture, Furniture Details Pg no. 1	Furniture	Furniture quantity is given for Admin block, however floor plans for the same is not available, kindly provide us with the plan.	Please refer revised AutoCAD drawings are provided in Corrigendum - 1
150	Medical Center MEC-I0047-01-48-D1-XX-08C-DR-A-01100	Partition detail	Kindly provide wall partition details and type in medical center	Available AutoCAD drawings are provided in Corrigendum - 1. Bidder to refer description of facilities for further details
151	Drawing, MEC-I0047-01-48-D1-XX-5A & 5B-DR-A-01101 CANTEEN BUILDING	Canteen complex glass facade detail	Kindly provide glass facade detail for canteen complex .	Available AutoCAD drawings are provided in Corrigendum - 1. Bidder to assess themselves. Before using in work the bidder has to obtain approval from BEML
152	Drawing, EC-I0047-01-48-D1-XX-21-DR-A-01100 TOILET BLOCK AND RESTROOM AT PARKING	Toilet block and restroom glass facade detail	Kindly provide detail of glass facade shown in restroom area of toilet block	Available AutoCAD drawings are provided in Corrigendum - 1. Bidder to assess themselves. Before using in work the bidder has to obtain approval from BEML
153	Boundary Wall, Master plan layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10101	Compounding / fencing	Kindly provide the configuration/type/material of the compound wall, as these compound wall is shown inside the plot boundary. 	Boundary wall inside plant is in the scope of EPC tender.
154	Grading Plans,	Master plan layout	Levels of the building with respect to the building formation and natural ground level are not very clear, please share the relevant information. Please Provide Levels and demarcations of roads, gate, trees for proposed areas. Provide levels for compound wall /Retaining wall required in EPC scope	Available AutoCAD drawings are provided in Corrigendum -1. Please refer.
155	Landscape Design Intent,	Master plan layout	Please provide detailed drawings/ specifications for landscape within the proposed building, and courtyard areas.	Available AutoCAD drawings are provided in Corrigendum -1. Please refer.
156	Design Element, (pg. no. 44) 8. COMMON DRIVEWAYS / LANDSCAPING AROUND THE FACILITIES	Decorative water fountains	Water feature details required. Location and design concept/layout is missing.	Location of fountains can be mutually decided at the time of detailed engineering
157	General ,	Drawings format	All drawings received are in PDF format. Kindly share the CAD format of drawings to get clarity on any dimensions which is missing	AutoCAD drawings are provided in Corrigendum-1.
158	Drawings, Page 8 of 42	Drawing No. MEC-I/0047-01-31-D1-XX-01-DR-T-13300	Request detailed design parameters for the EOT crane girders, including dynamic load factors and fatigue considerations for the high-capacity cranes expected in the Car body fabrication & assembly Line Facility. We need to confirm if the columns must be designed for tandem lifts of fully assembled coaches.	Yes, the columns must be designed for tandem lifts of fully assembled coaches. Please follow the tender specifications for EOT cranes provided therein along with relevant IS codes.
159	General		Kindly provide the CAD drawings to enable us to proceed with the work.	Available AutoCAD drawings are provided in Corrigendum - 1.
160	General		We have not received any AutoCAD drgs of HVAC services i.e. Schematic drgs, All floor layouts, Ventilation system schematic & layout drgs etc. We request you to provide the same.	Available AutoCAD drawings are provided in Corrigendum - 1.
161	General ,Description of Facilities document/Sec.17/Pg.140	As per Drg No MEC-I/0047-01-40-D1-ZZ-ZZZ-DR-H-05001 R01.0 the chilled water distribution system catering to Office complex 1,2,Canteen 1,2 & Medical Center.	We have noted discrepancies in the tender documents and drgs. Following areas needs to be cater by chilled water distribution system. 1.Safety offices . We seek your confirmation on the same and request you to provide updated schematic drgs in AutoCAD.	Available AutoCAD drawings are provided in Corrigendum - 1.
162	Description of Facilities document/Sec.17/Pg.140 and drg no MEC-I/0047-01-E5-D1-XX-01-DR-I-00002 R00.0		We have noted discrepancies in Tender Documents and Drg No : MEC-I/0047-01-E5-D1-XX-01-DR-I-00002 R00.0 VRF system indicates for Main Gate Complex with security office only while tender indicates VRF system for Annexe building. The building layout and schematic for Annexe building is missing. Please provide the same.	Annexe building will have split type air facility. Please refer the revised AutoCAD drawings provided in corrigendum- 1.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
163	HVAC Pumps (Primary & Secondary) Drawings Ref Clause Drg. no.: MEC-/I0047-01-40-D1-ZZ- ZZZ-DR-H-05001 Page no 39	In schematic drawings 4 Nos. of Primary & 4 Nos. of Secondary Pumps	In schematic drawings 4 Nos. of Primary & 4 Nos. of Secondary Pumps shown, whereas in Description of facility document mentioned 2 Nos (1W+ 1S) of Chilled water pumps & 2 Nos (1W+ 1S) of Condenser water pumps mentioned. Please confirm.	Please follow 2 Nos (1W+ 1S) of Chilled water pumps & 2 Nos (1W+ 1S) of Condenser water pumps of adequate capacity. Bidder is to assess it in detail and propose it during detail design finalization
164	Description of facilities Ref Clause Table-2, Equipment Capacities Page no 140	Chilled water pumps (120 m3/hr) - 2 Nos. (1W+1S) Condenser water pumps (140 m3/hr) - 2 Nos. (1W+1S)		Capacity of Chilled water pump - 165 - 170 CMH @ 2.6 GPM/TR Capacity of Condensate water pump - 190 - 200 CMH @ 3.0 GPM/TR
165	Air Compression Units Drawings Ref Clause Drg. no.: MEC-/I0047-01-04-D1-ZZ-15-DR-N-03002 Page no 32	7 Nos. of 100 CFM, 12 kg/cm2 pressure & 1 No of 3500 CFM, 7.5 kg/cm2 Air compressor	In the drawings 7 Nos. of 100 CFM, 12 kg/cm2 pressure & 1 No of 3500 CFM, 7.5 kg/cm2 Air compressor units shown, whereas in Description of facility document mentioned 5 Nos of 100 CFM, 12 kg/cm2 pressure Air compressor units. Please confirm.	Following items have been deleted from the scope of current NIT: 1. Centralised compressed air system building and all the equipments proposed to be installed therein including piping work to the user point from the building. 2. As per the current requirement only 7-Nos. Oil-free Screw compressors are included in the scope. Refer the page No.212 under the clause 23. compressed Air facility.
166	Description of facilities Ref Clause 23. Compressed air Facilities Page no 212	Lubricated screw compressor of capacity 100 CFM with delivery pressure of 12 kg/cm2 (g). mounted on 500 liters horizontal air receiver. 5-Nos. (5W+0S)	In the drawings 7 Nos. of 100 CFM, 12 kg/cm2 pressure & 1 No of 3500 CFM, 7.5 kg/cm2 Air compressor units shown, whereas in Description of facility document mentioned 5 Nos of 100 CFM, 12 kg/cm2 pressure Air compressor units. Please confirm.	Following items have been deleted from the scope of current NIT: 1. Centralised compressed air system building and all the equipments proposed to be installed therein including piping work to the user point from the building. 2. As per the current requirement only 7-Nos. Oil-free Screw compressors are included in the scope. Refer the page No.212 under the clause 23. compressed Air facility.
167	PHE ,MEC-I0047-01-40-D1-ZZ-12-DR-N-03001	Description of Facilities document	The raw/fresh water tank capacities shown in the "Description of Facilities document" and the PFD water supply schematic do not match. Kindly clarify	Available drawings are provided in Corrigendum - 1.
168	PHE ,MEC-I0047-01-40-D1-ZZ-12-DR-N-03001	Description of Facilities document	The schematic indicates 1 working + 2 standby pump sets. However, the "Description of Facilities document" specifies 3 working and 1 standby pump set. Kindly confirm.	Follow tender conditions as per drawing
169	MEP Drawing / SLD- AutoCAD Ref Clause Page no		Please share drawing / SLD in Auto CAD format	Available drawings are provided in Corrigendum - 1.
170	General	AutoCAD drawings	Kindly provide FF services External & internal layouts and schematics in CAD format if available.	Available drawings are provided in Corrigendum - 1.
171		General	Kindly specify the minimum bumper-to-bumper distance to be maintained between tandem-operated cranes.	1.0m to be adopted.
172		General	Please specify the block wall height to be considered along the peripheral sides.	3m from FFL to be considered
173		General	Kindly confirm the loading requirements for the mezzanine floor.	2000 Kg/m2
174		General	Please provide the ground floor loading criteria to be adopted for the grade slab design.	3000 Kg/m2
175		General	Confirm if any minimum clear gap is required between the mezzanine beam and crane equipment and specify the same.	Minimum 2m to be maintained from the crane crab assembly platform
176		General	kindly confirm the wall bracing type whether to consider Portals or 'X' bracings	Bidder to decide, however at the time of detailed design, BEML to be consulted for assimilating full functional requirement
177		General	Kindy confirm the minimum thickness requirement of cold form sections.	The minimum thickness requirement of cold form sections is 8mm
178		General	It is informed that for the proposed facility , Raw water source is from Narmada water canal. Kindly share the raw water parameters to decide the WTP treatment	Raw water parameters have been provided in Corrigendum - 2
179		General	Kindly provide the Narmada water tap off location at plot boundary and the available pressure and pipe diameter at the plot boundary.	Near municipal solid waste disposal plant. Diameter shall be as per municipal norms for such industrial facility
180		General	Kindly provide Water requirement for Train compartment filling and type of water to be filled.	Not relevant as far as EPC tender is concerned
181		General	Kindly provide Water requirement for Platform washing & Roof cleaning and type of water which is used for cleaning	Not relevant as far as EPC tender is concerned
182		General	Kindly provide Process water requirements (type of water) and consumption points inside the shop areas.	RO water to be used for water tightness test. Consumption point shall be water tightness test indicated in the drawing. Painting booth will also require potable water

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
183		General	Kindly Provide overall water requirement per day requirement  1. Domestic water Per day requirement 2. Flushing water Per day requirement 3. Irrigation water Per day requirement 4. Process water Per day requirement 5. Drinking water Per day requirement	The water requirement for the plant has been worked out as per the table provided under the clause 22.2 titled, "Requirement of water" at page no 204 of document Description of facilities. The table has been revised and enclosed in Corrigendum 1.
184		General	Kindly provide the effluent generation points inside the shop areas with flow rate	The bidder to assess
185		General	For Effluent conveyance , we propose pipe network below the grade slab inside the shop areas with catch pit arrangements through gravity and finally it will be get collected in the pit located inside the shop. From the pit effluent will be pumped outside to external manhole near to the building. From the manhole , further it will be conveyed to STP with pipe and manhole arrangements through gravity.  Kindly confirm the proposal	Yes, as per the slope pumping / gravity flow are the options for conveyance of effluent from shop area to outside manhole.
186		General	Kindly confirm the overall effluent generated per day from the proposed facility.	Refer STP design capacity in the tender document
187		General	Kindly furnish the raw water effluent parameters and treated water effluent parameters	Already influent parameteres are given in the tender document in Clause No. 20, Page no. 186 (Description of Facilities)
188		General	Kindly provide the rainfall intensity for the proposed area to design the roof and storm water design	Bidders have to collect local meteorological data themselves for designing purpose
189		General	Kindly provide the discharge location of storm water drain considered in the proposed facility. Kindly provide the existing drain invert levels located outside the plot boundary	The discharge point no.1 shall be the naturally existing nalla located near material gate/ municipal solid waste disposal plant. The discharge point no. 2 shall be on eastern side of the plot near mandir and to be directed towards the nearest pond
190		General	Please clarify whether Rerouting of existing external works in and around the proposed site extent like water supply line, sewerage network and storm water drain	Rerouting of such facilities are not envisaged so far
191		General	Please clarify whether Conventional or Siphonic system to be followed for steel shed roof rainwater dwntake purpose	Siphonic systems to be followed
192		DESCRIPTION OF FACILITIES	Kindly Confirm the Scope of Fire approval.	After completion of construction of facilities and putting fire fighting systems in place, the bidder has to coordinate and pursue with concerned authorities to obtain fire NOC which is a pre-requisite for starting the operation. Relevant documentation works required from BEML shall be made available.
193		General	As per NBC #3.4.6.3.1 and IS 3034 transformer required fire protection system for Water spray system or nitrogen injection system . Kindly confirmin	Yes all the NBC norms to be complied and water spray system to be installed
194		General	Automatic Sprinkler System has been considered as per NBC 2016, Please confirm the requirement	Confirmed.
195		General	gas suppression system requirement for sever Room. Please confirm	Yes.
196		General	As per IS 1642 : 1989, and NBC Table 1 fire resistance rating Type II which specifies 120 / 90 min fire rating paint required for columns,beam and framing. Kindly Confirm the Fire rating paint requirement .	Yes, NBC norms for the fire resistance rating Type II of Minimum120 Minutes to be complied as per the tender document.
197		Muit level Car parking	Manual water curtain system. As per NBC 4.5 Compartmentation is required for 120 min fire curtain . Kindly confirmin whether fire curtain or Water curtain to be considered	No curtain system for fire suppression is envisaged.However, fire fighting pipelines with fire stand post along with landing valves at required interval (as per codal provision) to be provided for ensuring fire safety of the premises.
198		General	As per NBC #3.4.6.3 MV Main distribution panel required Clean agent gas suppression system .kindly confirmin	Comply as per NBC requirement.
199		General	Fire Overhead tank with pumping system. Kindly share the overhead tank location and pump in the drawing.	No overhead tank has been envisaged. However, supply of water to various location of the plant is envisaged through pumping system.
200		Office (G+5) Building	For high rise buildings, seismic bracings are required for firefighting installations as per Part 4, NBC 2016. Please confirm.	In general, provisions as specified in NBC to be complied with.
201		Gerenal	VESDA detectors shall be provided in critical or high-value areas where early detection is essential, such as: a) Server Rooms. Kindly clarify what are all the areas are qualified as 'Critical areas'.	At present the requirement is only at Server Rooms

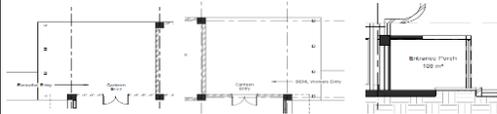
Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
202		NIT (Tender notice 3 document, Page 6 of 152) - Clause B - Proposed works	<p>It is mentioned that EPC scope ""including liaisoning work to <b>facilitate BEML for getting all local body clearances</b> viz., obtaining commencement certificate, completion/occupancy certificate, or/and any other legal/statutory compliance which is required for operation of business as per the scope of this NIT Consents to establish and operate from pollution control board in accordance with the requirement of project as enumerated in the tender, enclosed drawings ( Plan, Architectural, Elevation, section, etc.) and broad specifications mentioned therein.</p> <p>Please clarify whether EPC scope is limited to facilitating / providing technical support to BEML in terms of drawings, design calculation documents related to statutory approvals and the scope of obtaining the statutory clearances will be taken care by BEML. Kindly confirm.</p>	<p>Following statutory approvals / permissions will be required at different stages of project:-</p> <ol style="list-style-type: none"> <li>Before physical commencement of project construction work (BEML's Responsibility) <ol style="list-style-type: none"> <li>EC &amp; CTE</li> <li>Building permission</li> <li>Building plan &amp; site layout approval</li> <li>Fire NOC</li> <li>Registration on Shram Suvidha Portal/ Madhya Pradesh Shram Seva Portal</li> </ol> </li> <li>During Construction: (EPC Contractor's Responsibility) <ol style="list-style-type: none"> <li>License for storage handling and usage of explosives.</li> <li>Labour license.</li> <li>Registration with BOCW.</li> <li>Ground water withdrawl permission from CGWA/MPIDC</li> <li>Other permissions required during execution</li> </ol> </li> <li>Post Construction: <ol style="list-style-type: none"> <li>Factory License from DIHS - (BEML's Responsibility with support of EPC contractor)</li> <li>Structural Safety Certifications - EPC Contractor's Responsibility</li> <li>CTO - EPC Contractor's Responsibility</li> <li>Fire NOC - EPC Contractor's Responsibility</li> <li>Electrical Safety Certification - EPC Contractor's Responsibility</li> <li>Emergency Management plan approval - EPC Contractor's Responsibility</li> <li>Registration under shops and establishment act - (BEML's Responsibility with support of EPC contractor)</li> <li>Hazardous waste authorization from MPPCB - (BEML's Responsibility with support of EPC contractor)</li> </ol> </li> </ol> <p>Note: Wherever responsibility is assigned to EPC contractor necessary documentation required from BEML's end will be provided.</p>
203			Please confirm the Slab sunken locations(Toilet area,wash area etc.)If yes, what is the sunken depth?	Bidder is to assess it during the detail design stage.
204			Any Requirement for internal trenches to be confirmed. If any,please provide sectional details.	The service lines are to be routed through columns/Structures of manufacturing blocks and Testing block. However, inside the block/bay if the services are required to be taken to a particular location owing to fuctional requirement we may have to route it through internal trenches which shall be discussed and decided during detailed designed stage.
205			Please confirm if any equipment loading (other than live load) to be considered in terrace.	In addition to live load & water tanks of required capacity provision for solar geyser/ induction geyser may be considered. Besides this load of AHUs may also be considered.
206			Steel Roof slope for BEML Contract Employees Dining area to be confirmed. Also confirm if insulation sheeting is required to be provided at the roof.	Bidder to assess the steel roof slope on their own. Insulation sheeting is not Envisaged.
207			Please confirm if any, roof access staircase (maintenance) is required.	Yes, required for maintenance purpose.
208			Please confirm if any surcharge load needs to be considered for footing design for canteen building.	All the necessary loadings for the canteen building as per its requirements are to be considered for footing design
209			Please confirm if any anti-termite coating to be considered for substructure.	Bidder to assess it as per the site condition.
210			Please share details on ambient temperature difference to be considered in temperature load.	Bidder to assess it as per the site location.
211			Please confirm if any, roof access staircase (maintenance) is required.	The roof access staircase is envisaged for maintenance.
212			Please confirm the type & thickness of external and internal Blockwall.Also provide the room dimensions.	Drawings are provided in Corrigendum - 1, Room sizes are to be worked out based on grid sizes provided in drawing and thickness of AAC block masonry External wall thickness will invariably be 200mm (min) & internal wall thickness may be 100mm/200mm as decided by EPC bidder meeting functional requirement.
213			Please confirm if any equipment loading (other than live load) to be considered in terrace.	No equipment loadings are considered in terrace.
214			Please confirm if any anti-termite coating is required for substructure.	Bidder to assess it as per the site condition.
215			The grade slab load is proposed to be taken as 2 T/m <sup>2</sup> for design. Request your confirmation on the same.	Normal floor load as recommended in IS 875 (latest revision) for OHC / medical centre to be considered.
216			Please confirm if any equipment loading (other than live load) to be considered in terrace.	No equipment loadings are considered in terrace.
217			Please confirm if any anti-termite coating is required for substructure.	Bidder to assess it as per the site condition.

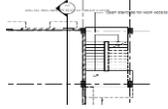
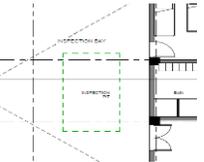
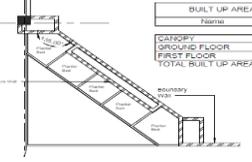
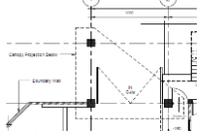
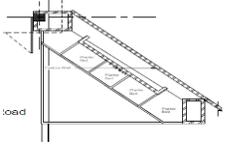
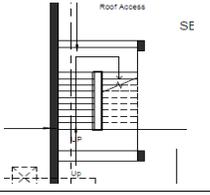
Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
218			Please clarify if buses are to be allowed inside the multi level car parking as indicated in the client share document“Description of Facilities” but not indicated in drawings.	Passenger busses are to be allowed inside the multi level car parking restricted to Ground Floor. Refer relevant drawings provided in Corrigendum- 1 as slots for bus parkings are already indicated in the drawing.
219			Please explain whether it is an opening above handrail as attached in screenshot.	Yes its opening above the handrail. Refer 3d Render.
220			Kindly confirm if the staircase width of 1500mm ( as suggested in client shared document) shall be followed.	Yes
221			Please confirm if any surcharge load needs to be considered for footing design for multi level car parking.	All the necessary loadings for the MLCP building as per its requirements are to be considered for footing design
222			Please share details on ambient temperature difference to be considered in temperature load.	Bidder to assess it as per the site location.
223			Please confirm whether false ceiling is required.If yes,kindly provide height of false ceiling.	Yes, false ceiling to be provided. Drawing for the Main Gate Complex is provided in Corrigendum- 1, Bidder to assess it on their own however to maximize the height they should endeavour to optimize the size of ducting
224			Please confirm if any equipment loading (other than live load) to be considered in terrace.	The load of outdoor units of VRF types air conditioner shall be considered.
225			Please provide details on Slab sunken depth for Toilet area.	Bidder is to assess it themselves
226			Please provide details on MEP loads.	Bidder is to assess it themselves
227			Please provide details on the highlighted portion attached.	Bidder to decide keeping in my mind the durability of structure and overall aesthetics
228		General	Provide staff and workmen population in each building in each shift, including male: female ratio.	The total manpower deployment shall be around 2200 to 2300 when plant would be operational in full capacity which will happen once both the manufacturing blocks (including the one which is planned in future) come in to existence. A total of 660 to 700 persons are expected to work in one shift in manufacturing block and testing block combined together. Deployment shift wise (1, 2 & 3rd) to be considered in the ratio of 6:3:1 for manufacturing block and testing facility together. For office complex and other areas the deployment to be considered as 100% in first & general shift and in other shifts minimum skeleton staff to be deployed to manage the respective functions. The ratio of female to male staff may be considered as 1:5. In other buildings, population may be assessed as per seating plan provided in the respective drawings
229		Description of Facilities, Pg 3 of 269,	Please clarify the requirements to be considered for the future block if any	One number additional manufacturing block of identical size i.e 72mx400m and one number inspection & testing bay of size 24mX326m has been considered as future expansion plan. Accordingly MEP system is to be designed and constructed to take care of the facilities included in the scope of current NIT and BEML's future expansion plan as above.
230		General	There is no harvesting pond inside the proposed facility , all the storm water collected via RCC drains and it will be discharged outside the plot boundary. Kindly confirm	It is envisaged that the storm water collected through drains will be used for ground water recharging after passing it through suitable filter under rain water harvesting system. Overflow will be discharged outside the plot boundary.
231		General	Please clarify on the requirement of process hot water and chilled water for Car body- Assembly / fabrication line& Inspection facility	Not Required
232		General	Please confirm on the requirement of spot exhaust system for Car body- Assembly / fabrication line& Inspection facility	Not Required
233		General	Please confirm on the requirement of any specialized exhaust , scrubber / filtration system etc for Car body- Assembly / fabrication line& Inspection facility	Not Required
234		General	Please confirm on the areas which require 24x7 air conditioning with standby.	Only at Server Rooms
235		Warehouse Bay	We assume that the warehouses are used for storing the non-hazardous goods.If it is then as per IS 1642 : 1989, and NBC Table 1 fire resistance rating will be Type II. Kindly Confirm.	The warehouse will also be storing paints, putties, glues, foams, etc. and hence it needs to be treated accordingly.
236		General/Geotechnical	Kindly provide the Expected Floor Loads UDL and Point load includings wheel loads from Material Handling Equipment, for the grade slab design	Bidder to refer the equipment manufacturer data for loading details
237		General/Geotechnical	Kindly confirm the use of TR-34 for the desing of Grade Slab	Follow IS codes
238		General/Geotechnical	Kindly Provide the Axle load to be considered for Fire Tender vehicle for the pavement design	Refer Clause 6.5.4 FIRE TENDERS in Description of Facilities to obtain the details of Fire tenders. Preferred manufacturer may be referred for axle load details.
239		General/Geotechnical	Kindly provide the CBR values from Trail Pits	Bidder to assess on their own
240		General/Geotechnical	Kindly Provide the High Flood Level of the site	Bidder to obtain and assess the required data from concerened department.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
241		General/Geotechnical	As per IS 1893-2025, Shear wave velocities are required for site classification. Kindly provide the corresponding test results	Available Geotechnical investigation report conducted at project site has already been provided. For additional studies, bidder has to arrange and carryout on their own.
242		General/Geotechnical	As per the geotechnical report, the recommended safe bearing capacity (SBC) is 40 t/m <sup>2</sup> . Kindly confirm whether it is permissible to adopt an SBC value higher than 40 t/m <sup>2</sup> for the design.	Available Geotechnical investigation report conducted at project site has already been provided which may be used for bidding purpose. However, if bidder requires additional confirmation/ studies, they can carryout preliminary soil investigation at site on their own. The successful bidder is required to carryout their fresh investigation studies (required/ additional studies) to confirm and assess the strata before the designing of foundations.
243	General	Battery Limit	We presume Contractor's scope is within Plant Boundary wall. Any scope beyond plant boundary wall will be part of Employer's scope. Please confirm.	Yes, except for drainage which is to be connected to discharge water body.
244	General		With the available data, many MEP high side equipment need to be imported from China. Kindly confirm whether any restrictions or we are allowed for such imports.	Please follow latest policy guidelines issued by Govt. of India and order on public procurement issued by Department for promotion and internal trade.
245	General		We presume the Elevated Test Track is not in current Tender Scope. Kindly confirm. Also confirm whether any other test track to be considered in current scope, if so please share the details.	Elevated test track is not in the scope of EPC tender.
246	General	Order of Precedence is not provided	Kindly confirm the order of precedence of all documents provided in the tender document.	Please refer Claus A.6 (DISCREPANCIES, ADJUSTMENT OF ERRORS AND ORDER OF PRECEDENCE) Page no. 78-80 of NIT document.
247	Tender Notice, Page 37 of 152	B. SCOPE OF PRESENT TENDER 4. Statutory Approvals	Request you to kindly provide clarity on the scope of statutory approvals in contractor scope. Also, kindly provide the list of Statutory Approvals applicable for the Project.	Following statutory approvals / permissions will be required at different stages of project:- 1. Before physical commencement of project construction work (BEML's Responsibility) (i) EC & CTE (ii) Building permission (iii) Building plan & site layout approval (iv) Fire NOC (v) Registration on Shram Suvidha Portal/ Madhya Pradesh Shram Seva Portal 2. During Construction: (EPC Contractor's Responsibility) (i) License for storage handling and usage of explosives. (ii) Labour license. (iii) Registration with BOCW. (iv) Ground water withdrawal permission from CGWA/MPIDC (v) Other permissions required during execution 3. Post Construction: (i) Factory License from DIHS - (BEML's Responsibility with support of EPC contractor) (ii) Structural Safety Certifications - EPC Contractor's Responsibility (iii) CTO - EPC Contractor's Responsibility (iv) Fire NOC - EPC Contractor's Responsibility (v) Electrical Safety Certification - EPC Contractor's Responsibility (vi) Emergency Management plan approval - EPC Contractor's Responsibility (vii) Registration under shops and establishment act - (BEML's Responsibility with support of EPC contractor) (viii) Hazardous waste authorization from MPPCB - (BEML's Responsibility with support of EPC contractor) Note: Wherever responsibility is assigned to EPC contractor necessary documentation required from BEML's end will be provided.
248	Tender Notice, Page 103 of 152	AA. WATER FOR WORKS The Contractor shall obtain all statutory approvals and all statutory payments shall be borne by the Contractor.	Request you to kindly provide clarity on the scope of statutory approvals & all statutory payments in contractor scope.	
249	Tender Notice, Page 1 of 152	Due Date & Time for Submission of Tenders – 10.03.2026 at 13.00 Hrs	We request you to extend the bid submission date to 31.03.2026	Please refer Corrigendum-1, the last date of submission of Bid has been extended till 31.03.2026
250	General	Rail Panel Length	Bidder understands that 13 m 60 KG rail length will be used for track laying with no provision of LWR. Please confirm bidder's understanding or convey the details in case of difference of opinion.	Yes, 13m and 60 KG rail length as per IRS will be used.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
251	A.5 SUFFICIENCY OF TENDER: Page No 78 (NIT)	Quoted rates shall also include the following: i) Working hours as per factory timings.	Kindly clarify the working hours limits.	Not applicable as the project is Greenfield. Refer Corrigendum No. 1.
252	NIT, Pg 6	services including liaisoning work to facilitate BEML for getting all local body clearances viz.,obtaining commencement certificate, completion/occupancy certificate, or/and any other legal/statutory compliance which is required for operation of business as per the scope of this NIT Consents to establish and operate from pollution control board	Request you to provide a responsibility scope matrix of approvals for the project ,specifying the approvals falling under clients and in bidders scope, along with the confirmation on the approvals already taken by the client.	Following statutory approvals / permissions will be required at different stages of project:- 1. Before physical commencement of project construction work (BEML's Responsibility) (i) EC & CTE (ii) Building permission (iii) Building plan & site layout approval (iv) Fire NOC (v) Registration on Shram Suvidha Portal/ Madhya Pradesh Shram Seva Portal 2. During Construction: (EPC Contractor's Responsibility) (i) License for storage handling and usage of explosives. (ii) Labour license. (iii) Registration with BOCW. (iv) Ground water withdrawl permission from CGWA/MPIDC (v) Other permissions required during execution 3. Post Construction: (i) Factory License from DIHS - (BEML's Responsibility with support of EPC contractor) (ii) Structural Safety Certifications - EPC Contractor's Responsibility (iii) CTO - EPC Contractor's Responsibility (iv) Fire NOC - EPC Contractor's Responsibility (v) Electrical Safety Certification - EPC Contractor's Responsibility (vi) Emergency Management plan approval - EPC Contractor's Responsibility (vii) Registration under shops and establishment act - (BEML's Responsibility with support of EPC contractor) (viii) Hazardous waste authorization from MPPCB - (BEML's Responsibility with support of EPC contractor) Note: Wherever responsibility is assigned to EPC contractor necessary documentation required from BEML's end will be provided.
253	N. ATTENDANCE UPON BUILDING: Page No - 97 (NIT)	The contractor shall permit free access and generally afford facilities and usual convenience to other agencies and or departmental workmen to carryout works under separate arrangements. Therefore, the rates quoted by the contractor shall be deemed to include for all such costs as consequence for having to work in the circumstances described above and no claim shall in any event be entertained on this account.	Kindly clarify this requirement.	It is just to impress that the contractor shall not pose any obstruction to the other agencies if permitted by BEML
254	BOQ	Execution of the work pertaining to establishment of Rail coach manufacturing facility mode on EPC Mode as per scope detailed. Earthwork in formation (Cutting & Filling)- RCC Road- Storm water drainage system- Sewerage system excluding (STP) RCC service trench Greenbelt Development ,Other External Development works Gate Complex for Truck entry & exit Gate Complex for railway siding Material Gate Laying of Stabling and dispatch Railway Track (4 km)	Kindly clarify & provide more details for this package outlining the location of this package.	Details and locations are already provided in the Description of facilities and revised Master Layout drawing provided in Corrigendum -1.
255	Space for Site Establishment, Pg 72 NIT		We request to provide space for establishment of site offices, batching plant, shuttering yard, reinforcement yard, fabrication yard etc. free of cost inside the site premises.	Bidder to assess their own requirement and suitable location inside the site premises
256	Space for Labour Colony, Pg 72 NIT		We request to provide the space for labour colony free of cost inside the site premises.	Bidder to assess their own requirement and suitable location inside the site premises

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
257	Water & Power for construction, Pg 72, NIT.	The Procuring Entity may supply without any obligation to do so, to the contractor part or whole of the quantity of the water and electricity required for the delivery of Services from the Procuring Entity's existing water/ electricity supply system at or near the site of Services on specified terms and conditions and on chargeable basis	Request you to kindly provide power & water for construction work free of cost or on chargeable basis.	Though BEML will make all efforts to have electricity and water connection at site before start of work, In the event of being unsuccessful in its endeavour, the EPC contractor will have to arrange these on their own without wasting any time at their own cost.
258	Time Extension for Tender Submission	Due Date & Time for Submission of Tenders : 10.03.2026 at 13.00 Hrs	Since this is an EPC project, may we kindly request an extension of the tender submission date up to 10th June 2026, as the additional time will enable us to complete the detailed tender working, soil investigation, design, estimation, and technical assessment.	Last date of submission of bid has been extended till 31.03.2026. Please refer Corrigendum-1.
259	Soil investigation report		The soil investigation report provided consist of only 5 bore hole detail, Request you to kindly provide a detailed soil investigation report for design purpose.	Available Geotechnical investigation reports conducted at project site has already been provided. For additional studies, bidder has to arrange and carryout on their own.
260	Make List		We request you to kindly provide make list for equipment to be provided by bidder. Interplant Traverser (75 t) Double Girder Goliath Crane with Lifting Beam DG EOT Crane -25/5T DG EOT Crane -10/2T Single girder under Slung 02 Ton Crane for Water Pump House	Refer Corrigendum No. 2
261	Railway crossing		We presume that connection over railway track for logistic movement will be provided by client.	Yes
262	Google map		There is an existing settlement covering some part of site area (UMARYA VILLAGE ). We presume that the same will be cleared by client before handing over the encumbrance free site to the contractor 	Yes
263	EC & Tree NOC	Environmental clearance scope	We presume that Environmental Clearance and tree cutting approvals have already been approved by the client please share copy of the same for our reference	EC and tree cutting approvals are under process. Hopefully the same will be available before commencement of Physical construction
264	General	Demolition Works	Kindly confirm the scope of demolition works and provide us with the details of the same.	Bidder to assess same from their site visit.
265	General, pg.no. 40-Exclusion	EXCLUSION Production machineries and process equipment	Kindly define what will be part of Production machineries and process equipment.	Production machineries and process equipments are those which are directly used for production.
266	Major building/structure/facilities/ infrastructure covered under the scope are as follows: A. Land & Site Development pg.no. 41	Major quantity	Quantities have been provided for the major items of work. Kindly confirm whether these quantities are to be considered for bidding purposes or if they are provided for reference only.	These major quantities are to be considered for bidding purpose only
267	General,	Technical specification required	Kindly provide technical specifications for all the item of works.	Majority of the line items have been covered in the document Description of Facilities & Broad specifications in tender document for technical specifications for all the item of works.
268	General, NIT100226 pg. no. 7	The Site is feasible for construction considering the terrace level of plant building at MSL 458.6m.	Kindly clarify the statement and also kindly provide plinth level of all the buildings marked on master plan.	The FFL of Manufacturing block, Test block and other facilities in the vicinity to be kept as MSL 458.6m owing to functional requirement which is also indicated in the drawing as terrace level or the FGL. In this zone to maintain the recommended level difference of 450mm between FFL & FGL, the additional excavation may be warranted below 458.6m. In other zones, the indicated FGL/ terrace level in the drawing maybe followed ensuring no ingress of storm water into the building/ facility.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
269	,BOQ-1002 NIT100226-pg. no. 41	Laying of Stabling and dispatch Railway Track (4 km) B.10-Laying of Stabling and dispatch Railway Track (4 km) with OHE	We presume that, said work is not part of bidders scope, Please clarify.	Laying of Stabling and dispatch Railway Track (4 km) with OHE is very much part of scope of EPC tender. Refer the list of Building / facilities in the scope. Laying of stabling and dispatch railway track / railway yard / railway siding (4km) with OHE are all same and is in bidder scope.
270	Drawing,MEC-10047-01-14-D1-ZZ-ZZZ-DR-J-10100	Master plan layout	Roads connecting site to highway - is it SPCPL's scope?	Road connectivity from Plant Entry to State highway will be in BEML's Scope.
271	Drawing,MEC-10047-01-14-D1-ZZ-ZZZ-DR-J-10100	Boundary wall scope & type	Kindly provide us with the details of boundary wall and type/configuration/material of wall need to be considered for the same.	Boundary wall is not in the scope of EPC tender.
272	Drawing,MEC-10047-01-14-D1-ZZ-ZZZ-DR-J-10100	Parking layout	Parking for visitors not clear in master plan although multilevel parking structure is provided. Bus drop of point for worker to be provided in traffic circulation plan with other logistical moment.	These are the finer details not affecting price as such which can be discussed and decide at the time of finalization of architectural plan.
273	Drawing,Master plan layout MEC-10047-01-14-D1-ZZ-ZZZ-DR-J-10100		Proposed railway track is going outside the plot boundary on the north side, Details and scope to confirm.	Railway track only upto plot boundary is in the scope of EPC tender. The EPC contractor is required to co-ordinate and provide support to railway authorities at the time of its connection to outside broad gauge line (to be laid by railways).
274	Drawing,Master plan layout MEC-10047-01-14-D1-ZZ-ZZZ-DR-J-10100	Existing pond scope.	Kindly provide us with the details of the existing Pond. If the pond needs to be filled up.	Please refer the Master Layout and Topographic survey drawing. Bidder to assess it as per the project requirement.
275	,	Interior scope	Kindly confirm the scope of interior finishes and provide us with detail interior drawings.	Broad specifications of Buildings/facilities have already been provided in NIT Detail of interiors is to be planned by the EPC contractor. However, before implementation approval is to be taken from BEML.
276	Description of facilities,Pg. no. 23-6.3 CANTEEN BUILDING	Kitchen Equipment's is a specialized subject, hence the cost of the same is not considered in this document.	We understand kitchen equipment is not in scope. Kindly confirm.	Yes
277	Description of facilities,Pg. no. 22-6.1 OFFICE COMPLEX	Welfare facilities including indoor games, reading rooms, gym, and open gathering spaces	Kindly confirm the scope of gym equipment's. If in scope provide us with the details.	Not in scope.
278	General,	Battery Limit of Tracks	Kindly confirm the battery limit of track. Scope of work for tracks laying and specification of item of works.	Railway yard work is to be carried out in accordance with indian railway standards specifications spelt out in relevant IRs code.
279	NIT100227,E. Construction scope/Pg No. 40	Signages	Kindly confirm the scope for signage works and provide us with the details of internal & external signages for the same.	Signages shall include the following: 1. Name of the plant at main entrance gate with BEML logo with Gate No. 2. Gate No. at all gates with BEML logo. 3. Name of the facilities at the entrance of facility 4. Direction boards at prominent places like road junctions / entrance gate.
280	Parking,		Kindly provide us with the parking calculations and their basis	Please refer Clause 6.9 PARKING FACILITY for Details on the parking requirement. In addition parking for trucks/trailer and trolleys is also indicated near to entry of the factory premises this is also included in scope,the area need to be assessed and constructed by EPC contractor. the area of goliath yard is also to be paved with RCC wherein movement and parking of Hydraulic trailer is envisaged for dispatch of metro coaches by road.
281	Building Bye-laws,Description of facilities Pg. No. 20		Kindly clarify which Local byelaws are to be followed along with the NBC, I.S. Codes and other relevant laws.	All the applicable and relevant laws, byelaws, act, guidelines are to be followed in conjunction with NBC, I.S. Codes
282	Drawing,MEC-10047-01-48-D1-XX-5A & 5B-DR-A-01100 CANTEEN BUILDING	Canteen Complex Pergola detail	Kindly provide with the details of Entrance Porch, Canteen Entry & Executive Entry for canteen complex. 	Entrance porch height and wall type to be decided by bidders to make it aesthetically pleasing meeting functional requirement

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
283	Drawing, DRG NO. MEC-I0047-01-48-D1-XX-10M-DR-A-01100 COMMON CHILLER PLANT	Chiller Plant staircase detail	Kindly provide the details of staircase in chiller plant and specify its type it will concrete or steel 	RCC staircase is planned.
284	Drawing, MEC-I0047-01-48-D1-XX-10E-DR-A-01100 FIRE STATION	Fire station inspection chamber detail	Kindly provide the detail of Inspection pit in the Fire station. 	Please ignore the inspection pit in fire station.
285	Drawing, MEC-I0047-01-48-D1-XX-9A-DR-A-01100 MAIN GATE COMPLEX WITH SECURITY OFFICE	Main gate complex with security office feature wall detail	Kindly provide detail for feature wall and planter bed 	Fasia of any structure or building is to match with the view enclosed in the tender, improvisation over this is welcome.
286	Drawing, MEC-I0047-01-48-D1-XX-9B-DR-A-01100 GATE COMPLEX FOR TRUCK ENTRY / EXIT	Gate complex for truck entry exit canopy detail	Kindly provide detail of canopy in gate complex for truck entry exit. 	It is RCC frame work and AAC block masonry infill wall. Roof is also RCC. AutoCAD drawing are provided in Corrigendum - 1. Bidder to assess
287	Drawing, MEC-I0047-01-48-D1-XX-9B-DR-A-01100 GATE COMPLEX FOR TRUCK ENTRY / EXIT	Gate complex for truck entry exit feature wall detail	Kindly provide detail for feature wall and planter bed 	Fasia of any structure or building is to match with the view enclosed in the tender, improvisation over this is welcome.
288	Drawing, MEC-I0047-01-48-D1-XX-12-DR-A-01100 DOMESTIC AND FIRE WATER PUMP HOUSE AND SUMP BUILDING	Domestic and Fire water pump house and sump building staircase detail	Kindly provide details of staircase and specify its type it will concrete or steel 	Staircase type will be RCC. Available AutoCAD drawings are provided in Corrigendum - 1. Bidder to assess as per the available drawings
289	Furniture ,Furniture Details Pg no. 1	Furniture	Furniture quantity is given for following building, Kindly specify the location of this building as we are not able to locate the same in master plan and list of buildings: 1. Manufacturing blocks and security office	Please refer the revised list attached with Corrigendum-1
290	Furniture, Fire Station-MEC-I0047-01-48-D1-XX-11-DR-A-01100 Raw Material Storage yard-MEC-I0047-01-48-D1-XX-07-DR-A-01100	Furniture	In the following building drawings, furniture is seen, kindly confirm the scope of furniture's for these buildings: 1. Fire Station 2. Raw Material Storage yard	Please refer the revised list attached with Corrigendum-1
291	Furniture Details, Furniture Details	Furniture	We presume furniture quantity given in the BOQ can be considered for bidding purpose.	Please refer the revised list attached with Corrigendum-1

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer				
292	Furniture Details, Furniture Details	Safety office furniture	For safety office furniture following note is given. We presume that this is applicable only for safety office building. <table border="1"> <tr> <td>Pantry</td> <td rowspan="3">The quantity shall be assessed based on the requirement by the EPC Contractor</td> </tr> <tr> <td>Over head cabinet</td> </tr> <tr> <td>under counter cabinet</td> </tr> </table>	Pantry	The quantity shall be assessed based on the requirement by the EPC Contractor	Over head cabinet	under counter cabinet	Please refer the revised list attached with Corrigendum-1
Pantry	The quantity shall be assessed based on the requirement by the EPC Contractor							
Over head cabinet								
under counter cabinet								
293	Masterplan Layout,		Landscape Design Intent Package for External Development is not clear. Please provide detailed demarcation of external development scope of work.	Though no specific requirement has been spelt out in the tender the landscape surrounding the facilities is to be developed in such a manner that it goes well with infrastructure and it aesthetically appealing. No major formation work is envisaged in these developments except for few minor dressing and all. Mostly natural terrain shall be maintained.				
294	Masterplan Layout,		Please provide Landscape design intent/drawings and site sections for understanding overall percentage of Hardscape and softscape for external area development.	Though no specific requirement has been spelt out in the tender the landscape surrounding the facilities is to be developed in such a manner that it goes well with infrastructure and it aesthetically appealing. No major formation work is envisaged in these developments except for few minor dressing and all. Mostly natural terrain shall be maintained.				
295	Masterplan Layout,		Please provide clarity on preservation of existing landscape if any so as to retain this, survey data sustainability report is required.	Wherever facilities are not planned the areas will be maintained as natural terrain.				
296	Landscape Design Elements,		Please clarify on requirement of Landscape elements like loose furniture, trellis, Signages, sculpture, seating, water bodies/ fountains, flower pots etc.	Bidder to plan and propose to BEML during detailed engineering				
297	Landscape Service coordination,		Please share design intent for proposed Irrigation system- Automated or regular	Regular Irrigation system is preferred				
298	Landscape Service coordination,		Please share design intent for proposed Lighting system for external area	The external area should have adequate lighting and lux level to be maintained as NBC guidelines				
299	Landscape Design Details,		Please Provide Levels and demarcations of roads, gate, trees. Existing Building levels, Compound wall and Retaining Wall.	Details are provided in the revised master layout in Corrigendum - - 1. For additional details, bidders are advised to visit the site and aquant himself with existing site conditions and levels.				
300	Site survey,	Spot levels are required to understand the site drainage.	Please Provide Hydrological survey done for the site	Hydrological Survey has not been carried out for the site. Bidder to visit the site asses themseves.				
301	Connectivity, MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	Master plan layout	Please clarify the scope of road , track linking to main road, service road and railway track,	All the required details are provided in the Master Layoout, bidder to study carefully				
302	Design Element, 8. COMMON DRIVEWAYS / LANDSCAPING AROUND THE FACILITIES (pg. no. 44)	BEML Logo -Installation of "BEML" Logo/signage of appropriate size at the entrance of the plant and other various locations inside the plant and offices.	Kindly provide signage details.	Signages shall include the following: 1. Name of the plant at main entrance gate with BEML logo with Gate No. 2. Gate No. at all gates with BEML logo. 3. Name of the facilities at the entrance of facility 4. Direction boards at prominent places like road junctions / entrance gate.				
303	General ,20260211 RFP Documents/ Work Item Documents/ Description of facilities/ 5.2.2 GREEN RATING SYSTEM	Certification Scope	Please share the list of buildings considered under non- technical typology/ scope of Griha certification.	All non-technological buildings such as Admin Building, Canteen, Medcial Centre, Safety Office, Gate Complexes, etc., shall be planned and constructed as a GRIHA rated/ certified building with minimum GRIHA 3-star rating.				
304	General ,20260211 RFP Documents/ Work Item Documents/ Description of facilities/ 5.2.2 GREEN RATING SYSTEM	Appointment of Consultancy	We assume GRIHA certification will be in Client scope.	Yes, However EPC contractor has to extend all documentation and support for the same .The EPC contractor required to keep the records ready with them and furnish the same as and when required.				
305	General ,20260211 RFP Documents/ Work Item Documents/ Description of facilities/ 5.2.2 GREEN RATING SYSTEM	Griha certification feasibility	Please share Feasibility checklist for achieving 3 star rating for Griha certification	It is understood that the EPC contractor is well aware of GRIHA-3 star certification.				

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
306	General ,20260211 RFP Documents/ Work Item Documents/ Description of facilities/ 5.2.2 GREEN RATING SYSTEM	Energy Optimization	Please inform if Building envelope, roof, lighting, HVAC etc will be designed as per GRIHA Norms, with the mandatory requirements of ECBC 2017 considerations. Please inform if Onsite-offsite renewable energy system to offset a part of the annual energy consumption of internal artificial lighting, HVAC, and domestic hot water systems etc. will be considered in project	Building envelope, roof, lighting, HVAC etc. will be designed as per GRIHA Norms, with the mandatory requirements of ECBC 2017 considerations. Roof top solar power plant (using roof area of manufacturing block) is already planned by BEML. The EPC contractor while installing roof panel has to consider this aspect for keeping a provision for ease of installation of solar panels along with other safeguards such as side railing and life-line..etc. along with convenient roof access.
307	General ,20260211 RFP Documents/ Work Item Documents/ Description of facilities/ 5.2.2 GREEN RATING SYSTEM	Indoor air quality	Please inform if strategies like, Water efficient fixtures, Water Demand Reduction, Wastewater Treatment, Rainwater Harvesting will be considered in project	Yes , all are included in the scope.
308	General ,20260211 RFP Documents/ Work Item Documents/ Description of facilities/ 5.2.2 GREEN RATING SYSTEM	Water management	Please inform if strategies like, Visual, Thermal and acoustic Comfort, Indoor air quality, will be considered in project	Yes, all to be taken care of.
309	General ,20260211 RFP Documents/ Work Item Documents/ Description of facilities/ 5.2.2 GREEN RATING SYSTEM	Material and Waste management	Please inform if strategies like, Construction and Organic Waste Management - Post-occupancy, Alternative construction materials, Low impact/ Low VOC materials, will be considered in project	Yes, However, approved makes are to be followed; provided, suggested alternative construction material is superior to the one specified in NIT and subject to the approval from BEML.
310	General ,20260211 RFP Documents/ Work Item Documents/ Description of facilities/ 5.2.2 GREEN RATING SYSTEM	BMS and Utility System management	Please inform if strategies like, Smart metering/ Monitoring/ Operation and maintenance - Post occupancy, system commissioning/audit will be considered in project	Yes.
311	General ,20260211 RFP Documents/ Work Item Documents/ Description of facilities/ 5.2.2 GREEN RATING SYSTEM	Innovation	Please inform of any additional considerations done for Green Innovation, resource conservation, Green awareness etc.	Please refer NIT and provide solution suiting to requirement of GRIHA-3 certification.
312	Structural codes	Structural codes supposed to revised in May 2026 onwards, however our working will be based on current available codes.	Request client, please advise on the same.	Bidder to follow the latest available code at the time of bidding
313	Description of Buildings/ Facilities and their broad specification, Page 69 of 269	Clause 12.7 Design for Earthquake Resistance. IS: 1893: (Part I) 2016 -Criteria for earthquake resistant design of structures	kindly confirm which seismic code is to be adopted for the earthquake-resistant design of structures, IS 1893 (Part 1): 2016 or IS 1893 (Part 1): 2025.	Bidder is to follow the latest version of all the relevant IS codes.
314	Drawings, Page 6 of 42	Drawing No. MEC-I/0047-01-31-D1-XX-01-DR-T-13202	Required Loading Diagram with maximum flooring loads (KN/m <sup>2</sup> ) for the manufacturing and assembly areas, and specify requirements for specialized floor finishes to handle heavy fabrication, welding, and material handling traffic.	G.F load- 3 KN/m <sup>2</sup> F.F load- 2 KN/m <sup>2</sup> .
315	Description of Buildings/ Facilities and their broad specification,	General	Turn Table requirement not mentioned, Please confirm.	Turn Table is not required.
316	Description of Buildings/ Facilities and their broad specification, Page 258 of 269	List of Approved Makes sr no 6. M.S. Pipe, Tubes, Bar, Flats, angle, Tee Sections SAIL, TATA, TISCO, JINDAL	Can Appolo tubes be considered as it provides large variety of section sizes & thicknesses	The approved make provided in the tender document shall be followed.
317	Description of Buildings/ Facilities and their broad specification, Page 67 of 269	12.1 GENERAL DESCRIPTION	It is mentioned that the thickness of structural elements will not be less than 8mm (except for webs of rolled sections and the gutter). This shall exclude rolled hollow pipe & tube sections.	Allowed to use subject to design validation.
318	Description of Buildings/ Facilities and their broad specification,	Structural Detailing	Chapter 12 of IS 800 2007 is not specifically mentioned or mandatory requirement, please confirm.	Refer page.No.68 under the clause of 12.4 The list of codes.
319	Description of Buildings/ Facilities and their broad specification, Page 78 of 269	13. PRE-ENGINEERED BUILDING (PEB)	1. Built-up sections IS 2062 E350 MPa steel, 2. pre galvanized Z purlin Gr50 (345 MPa). 3. Bracing rods and sag rods should be conforming to IS 2062 (240 MPa). 4. Anchor bolts should be with a minimum yield strength of 250 Mpa. 5. For rolled tubes & pipe sections, the minimum grade is not mentioned. Can we consider E250 or E300.. please confirm.	For rolled tubes and pipe sections grade E300 to be used.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
320	Soil & survey Report,Page 7	2.4. BENCH MARK DETAILS	A level difference of approximately 16–17 m has been observed across the site. During cutting, filling, or leveling works, any excess may lead to an increase in foundation costs and shall be duly considered to ensure that foundations are not resting on filled ground.	Topographic Survey Report, Geotechnical Survey report along with all the drawings of proposed facilities are provided to the bidder. Bidder is required to carryout their own assessment before bidding.
321	Soil & survey Report,Page 17, 47 & 66	3.5. FOUNDATION SYSTEM RECOMMENDATION The suggested safe bearing pressure of different sizes of footings when placed at 0.6m to 1.0m below the existing ground level may be taken as 40 t/m <sup>2</sup>	As per sample calculation the qs (Safe Bearing Pressure) is 440 t/m <sup>2</sup> . "qs = qcNj = 4400.0 x 0.1 = 440.0 t/m <sup>2</sup> [Refer IS:12070-1987] where qs = Safe bearing pressure (gross), qc = average unconfined compressive strength of rock cores Nj = empirical coefficient depending on the spacing of discontinuities = 0.1 (Table 4 of IS:12070-1987)", Please confirm.	Geotechnical Survey report along with all the drawings of proposed facilities are provided to the bidder. Bidder is required to carryout their own assessment before bidding.
322	VRF / VRV -Approved Makes --Ref Clause --Page no --	--	Kindly Provide VRF / VRV units approved makes, can we proposed following makes as ; Daikin / Toshiba/ Midea / LG/ Hitachi / Samsung/ Mitsubishi/ Equivalent	Bidder to follow the approved makes given in Corrigendum-1. For other items, Bidder to get approval from BEML for the proposed vendor before the supply
323	Expansion Tank -Approved Makes --Ref Clause --Page no --	--	Kindly Provide Expansion Tank approved makes, can we proposed following makes as ; Anergy/ Emerald/ Grundfos / KD Agency /Equivalent	Bidder to follow the approved makes given in Corrigendum-1. For other items, Bidder to get approval from BEML for the proposed vendor before the supply
324	Air Compressor System - Approved Makes --Ref Clause --Page no --	--	Kindly Provide Air Compressor System approved makes, can we proposed following makes as ; Kaeser, Atlas Copco / KLK india / CCD/ Excel / Deneb/ Aditi Engg /Equivalent	Bidder to follow the approved makes given in Corrigendum-1. For other items, Bidder to get approval from BEML for the proposed vendor before the supply
325	General	DBR	Kindly provide the plumbing DBR & technical specification .	All works are to be executed in accordance with referred specifications in the absence of specifications provided in the tender, relevant IS Code and CPWD specifications. maybe followed
326	General	AutoCAD drawings	Kindly provide PHE services External & internal layouts and schematics in CAD format if available.	Follow tender conditions. Bidder to assess and finalize with BEML during the detail design stage
327	General	ETP	Kindly confirm ETP is required or not.	Not required.
328	General	sewer & storm	Kindly provide the connection point for municipal sewer & storm water.	The storm water discharge point no.1 shall be the naturally existing nalla located near material gate/ municipal solid waste disposal plant. The discharge point no. 2 shall be on eastern side of the plot near mandir and to be directed towards the nearest pond
329	AMC & O&M - STP system for 5 years Description of facilitiesRef Clause SECTION II: Scope of work Page no 187	The successful bidder is also to undertake operation & maintenance of the facility for a period of 5-years (1+4) from the date of signing of the handing over document.	Please confirm.	To be followed, As per tender document
330	STP - System Integrators Description of facilitiesRef Clause Page no		Please provide the System Integrators for the STP Work, however all the component wise make provided in the tender document.  Can we proposed following STP system integrator as follows; BS Enviro / Ion Exchange/ WTE infra/ Thermax / Aqua Pro / Passim water / Equivalent	Bidder to get approval from BEML for the proposed vendor before the supply
331	OWC - SCOPE Ref Clause Page no		Please confirm the scope of OWC works.	If OWC is organic waste converter: it is not part of the scope
332	General	NOC	Kindly provide the provisional Fire NOC, if available.	Process for obtaining provisional Fire NOC is under progress.
333	Fire Fighting Pumps --Ref Clause --Page no --	--	Approved makes FF Pumps are Kirloskar/ MATHER & PLATT/ Crompton, however can we proposed following additional make i.e Grundfos / Wilo etc	Bidder to get approval from BEML for the proposed vendor before the supply
334	NIT, Pg. 1	Due Date & Time for Submission of Tenders- 10.03.2026 at 13.00 Hrs	Owing to the vast requirements of the tender including site investigation, Design, quantification, costing, coordination with multiple vendors and consultants, we request you to kindly extend the due date for submission by 4 weeks to 7-April-2026.	Last date of submission of bid has been extended till 31.03.2026. Please refer Corrigendum-1.
335	General	Tender submission date; 10.03.2026	As the subject tender is in EPC mode it requires a lot of calculation and time for design. It is requested to extend the bid submission date at least for 01 month.	Extension for submission of bid is provided till 31.03.2026. Please refer Corrigendum-1.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
336	General	Bid due date	The subject tender involves a high degree multi- disciplinary coordination across Civil, Structural, Mechanical, and Electrical domains for a major industrial facility. Given the requirement for 'end-to- end services' and the need to obtain firm quotes from various specialized technology partners (BIM, Railway, etc.), the current timeline is insufficient for a project of this complexity. We request the Employer to grant an extension of 30 days to allow for thorough due diligence and the preparation of a comprehensive execution plan	Extension for submission of bid is provided till 31.03.2026. Please refer Corrigendum-1.
337		Due Date & Time for Submission of Tenders 10.03.2026 at 13.00 Hrs	We request you to extend the bid submission date by 30 days.	Extension for submission of bid is provided till 31.03.2026. Please refer Corrigendum-1.
338		Description of facilities; (page no 124 of 269)	Network components & subsystems: Please specify the locations where LAN points, Wifi Points are required in manufacturing and testing blocks.	In manufacturing area LAN point shall be provided adjacent to electrical supply terminal boxes at every pillar. Bidder is free to propose as per the industrial practice and submit line diagram for approval
339		Description of facilities; (page no 131 of 269)	Access control system: Please specify the areas of access control in manufacturing and testing blocks	ACS shall be provided at main entry gate and admin block, In addition ACS shall also be installed at the entrance of Testing bay, substation and control room and all safety critical locations including IT server room. ACS is not envisaged in manufacturing block.
340		Description of facilities; (page no 131 of 269)	CCTV: Please specify the areas of surveillance by CCTV is required along with type of cameras and Storage requirement	CCTV storage backup should be for 3-months.CCTV is required along the perimeter boundary wall, Warehouse, Entry and Exit points of Manufacturing and testing Blocks, All four gate complexes, all road crossings and corners.
341	General		System architecture for each individual system is required in order to proceed with independent system design and development	EPC bidder is to assess and propose during detail design stage
342	ACS		In acs system what is the no of doors please mentioned.	ACS shall be provided at main entry gate and admin block, In addition ACS shall also be installed at the entrance of Testing bay, substation and control room and all safety critical locations including IT server room. ACS is not envisaged in manufacturing block.
343	General		Is network redundancy (ring topology) required?	EPC bidder is to assess and propose during detail design stage
344	Network		Is structured cabling (fiber & Cat6) under IBMS scope or network contractor scope?	EPC bidder is to assess and propose during detail design stage
345	Approved Makes Description of facilitiesRef Clause Page no		Approved makes for TURNSTILES is not mentioned, please clarify.	Bidder to get approval from BEML for the proposed vendor before the supply
346	Approved Makes Description of facilitiesRef Clause Page no		Approved makes for X-Ray Baggage Scanners is not mentioned, please clarify.	Bidder to get approval from BEML for the proposed vendor before the supply
347	Approved Makes Description of facilitiesRef Clause Page no		Approved makes for Boom Barriers is not mentioned, please clarify.	Bidder to get approval from BEML for the proposed vendor before the supply
348	Approved Makes Description of facilitiesRef Clause Page no		Approved makes for Video Conference System is not mentioned, please clarify.	Bidder to get approval from BEML for the proposed vendor before the supply
349		Description of facilities; (page no 82 of 269)	Please provide Electrical loads (power KW/KVA, Voltage,frequency,3ph/1ph) along with demand factors for "Process & Testing Equipment" as indicated in clause 15.1	It is proposed that MRSS shall have 3 (2W+1S) transformers 33KV/ 415V, 3000KVA each to take care of the plant load requirements for the tendered project. One separate 33kV Three phase / 25kV single phase scott wound transformer of <b>4000KVA</b> rating for testing of trains. Though the supply of 33KV / 25KV transformer is not in the scope of EPC tender, the laying of transmission line from transformer to inspection & testing bay and railway siding shall be in the scope of EPC tender. Associated control and protection equipment for 33KV/ 415V transformers shall be part of the EPC tender scope. The vendor shall submit the single line diagram and specifications for above MRSS for approvals during detailed designing. SLD enclosed earlier in the tender stands withdrawn.
350		Description of facilities; (page no 84 of 269)	Please confirm the vector group of Power transformer. 15.7 A table 7.d. indicates "DNyn", we understand it as Dyn11.	1) Vector group for Power & distribution transformers is DYN11.
351		Description of facilities; (page no 93 of 269)	Clause 15.7 F, mentions HT capacitor bank at MRSS. Please clarify the requirement of HT capacitor	This is primarily to improve the power factor and enhance voltage stability.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
352		Description of facilities; (page no 219 of 269)	EPSS: Please confirm emergency load requirement and no of working DG sets (3W) or (2W+1S)	Confirmed, requirement of 750KVA DG-sets is 3 Numbers (2W+1S). However, this should not be construed as emergency power requirement.
353		NIT100226(page no54 of 152)	Referring Clause ""2.14 Power supply", Please clarify the scope of Stabilizers and Isolation transformers. If bidder to consider, provide requirement (numbers and rating) of Voltage stabilizers and Isolation transformers for process machines	As per the KVA/KW rating of the machines, the capacities of isolation transformers and voltage stabilizers shall be decided with the concurrence of OEM
354		Drawing No MEC-/10047-01-40-D1-ZZ-15-15-DR-N-03002 AND DESCRIPTION OF FACILITIES 23.2 AIR COMPRESSOR	We find there are differences in the number of machines (100CFM) between the drawing and Document.Please clarify	Please follow Clause 23.1 titled, " Compressed Air facilities" Page-No.211-212 of document, "Description of facilities and their broad specifications", which mentions only 7-Screw compressors(100 CFM), All working & No standby. Accordingly the revised PFD will be provided in subsequent Corrigendum-1.
355		DESCRIPTION OF FACILITIES	In clause 23.1 ,the type of compressor is mentioned as oil lubricated whereas in clause 7.3 and 23.2 the type of compressor is mentioned as oil free.Please clarify	Please refer Corrigendum 1. (It has to be oil-free)
356		DESCRIPTION OF FACILITIES	All the tank mounted air compressors are oil lubricated . Moreover here the application does not require oil free ( Inspection ) Please clarify	Oil Free compressors are envisaged
357		DESCRIPTION OF FACILITIES	In Clause 23.2 , Driving motor capacity requires 10% margin in the shaft Power . Please clarify.	As per tender documents
358		DESCRIPTION OF FACILITIES	Kindly confirm the machines of capacity 3200CFM requires oil free or oil injected.	No Requirement of 3200CFM machines
359		DESCRIPTION OF FACILITIES	As per clause 23.2 MOC of rotor and casing shall be as per OEM Standard .Please confirm	As per OEM standards.
360		DESCRIPTION OF FACILITIES	As per clause 23.2, 100 CFM compressor shall be belt or direct driven. please confirm.	Compressor shall be Direct Driven
361		Drawing No MEC-/10047-01-40-D1-ZZ-15-15-DR-N-03002 AND DESCRIPTION OF FACILITIES 23.2 AIR COMPRESSOR	Please clarify whether the 3200 CFM compressor is air cooled or water cooled, as the details provided in Drawing and Description of facilities Document are differing.	No Requirement of 3200CFM machines
362		DESCRIPTION OF FACILITIES	As per the Page no 215 ( 6 . Fine Filter) the dry compressed air is specified as 1-4-1 but that is Oil lubricated. For the oil free the specification shall be 0-4-1. please clarify	The dry-compressed air quality Should be 1:2:0 according to ISO 8573-1:2010 and the Air dryer should be desiccant.
363		DESCRIPTION OF FACILITIES	As per sec 8 page 215:Document says the manufacturing /Design standard as API which is not applicable for this application.All standard are as per ISO 1217& ISO 8573. API is applicable for oil and gas requirement. Please confirm.	In addition to ISO 8573-1:2010 which specifies the contaminates group and purity class of compressed air, ISO 1217:2009 (Confirm 2021) shall also be applicable for consistent performance of the equipments including manufacturing performance claims regarding capacity and efficiency.
364		DESCRIPTION OF FACILITIES	Kindly confirm whether 3200CFM compressor needs to be complied or the total capacity of 6400CFM can be matched with lower capacities machine with high number of machines .	3200 CFM compressors are not required and the screw compressors of 100CFM capacity in the required quantity specified in the tender document are to be treated as project requirement as of now.
365		Drawing No MEC-/10047-01-40-D1-ZZ-15-15-DR-N-03002	As per the Drawing there is no difference between the Plant air and the service air as the generation is from the same machines. Please clarify the difference between Plant and service air.	As such no difference
366		DESCRIPTION OF FACILITIES	MEP systems described below has design basis considering one manufacturing block envisaged in near future after 03 years. Please clarify the statement	Design basis of MEP systems described in the tender is to take care of all the facilities included in the scope of current tender plus 1-No. identical manufacturing block which is our future expansion plan.
367		DESCRIPTION OF FACILITIES (Page No : 207 of 269 ). 22.6 Firefighting facilities	As per Document 22.6 Firefighting facilities, It is Mentioned that " Refer separate writeup for Firefighting facilities" . Kindly share the Missing Document of writeup for Firefighting facilities	Please refer Page-No.24 under the clause 6.5.
368		DESCRIPTION OF FACILITIES (Page No : 8 of 269 )	For Paint shop facility, please clarify if any special type of fire protection system is required . (foam /Gas based system)	Foam based fire extinguishers are to be installed near paint shop facility in adequate numbers as a measure of fire production system.
369		Sustainability, Clause 10: Solid waste Management Page no : 257 of 269	Kindly clarify whether any organic waste converter to be considered for treating organic wastes. Bidder understood that handling and treatment of Inorganic waste is not part of bidder scope	The solid waste management is not envisaged in the scope of bidder.
370		Plumbing Fittings and Fixtures: Clause 9.8: Water Closet Page no : 45 of 269	Please clarify closet type to be used shall be flush valve type or flush tank with exposed or concealed tank type	Wall hung closet type, with concealed flush tank shall generally be used at all places except for rest room provided in Parking Area for trucks/ trailers and in washrooms of annexe office building where single unit floor mounted closets to be provided
371		Plumbing Fittings and Fixtures: Clause 9.8: Water Closet Page no : 45 of 269	Please clarify whether wash basins shall be provided with push cock or sensor type is preferred	Push Cock type to be considered

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
372		Plumbing Fittings and Fixtures: Clause 9.8: Water Closet Page no : 46 of 269	Please clarify whether urinals shall be provided with push cock or sensor type is preferred	Sensor type to be used at places other than shop floor & parking area near material gate where pushcock type is preferred
373		Description of Facilities : '9.8 PLUMBING FITTINGS AND FIXTURES: Page 45 of 269	It is understood from the clause that . For the domestic usage , water from the WTP will be pumped to all the OHT located in the terrace of each RCC building. From there water will be supplied to fixtures via gravity.  Similarly for flushing , water from the STP will be pumped to all the OHT located in the terrace of each RCC building. From there water will be supplied to fixtures via gravity.  Kindly Clarify	Yes, but the effluent water from STP is not proposed to be used for flushing. Hence, separate OHT tank for STP effluent water is not required.
374		Description of Facilities, Pg 22 of 269,	Please clarify whether any standby geysers shall be considered for Admin block in absence of solar generated hot water	Stand by geysers may not be required but provision is to be made for installation in future if the need arises.
375		Description of facilities; (page no 86 of 269)	Please share the specification for 33KV HT panel.	It is proposed that MRSS shall have 3 (2W+1S) transformers 33kV/ 415V, 3000KVA each to take care of the plant load requirements for the project. One separate 33kV Three phase / 25kV single phase scott wound transformer of 4000KVA rating. Associated control and protection equipment shall be part of the scope. The vendor shall submit the line diagram and specifications for above MRSS for approvals.
376		Description of facilities; (page no 86 of 269)	Please confirm the impedance of power transformer as per Description of facilities document (15.7 EQUIPMENT SPECIFICATION.A.6)it is 12.5 %. But as per SLD it is 8.34%.	12.5% to be adopted
377		Description of facilities; (page no 86 of 269)	Please confirm the tap changer for power transformer, On load tap changer or Off load tap changer	Off load tap changer to be adopted.
378		Description of facilities; (page no 139-140 of 269) Table 2  Drawings : Page No 39 of 42 Chilled water system P&ID	Chilled water inlet and outlet temperature mentioned in Chilled water system P&ID is 7 deg C and 12 deg C respectively. The corresponding pump capacity shall be 165 CMH @ 2.6 GPM / TR . However as per Description of facilities (page no 139-140 of 269) Table 2 the pump capacity is indicated 120 CMH which corresponds to 1.9 GPM / TR. Kindly clarify.	Pump Capacity Should be atleast 165-170 CMH @ 2.6 GPM / TR
379		Description of facilities; (page no 139-140 of 269) Table 2  Drawings : Page No 39 of 42 Chilled water system P&ID	We noticed that there are differences in pump configuration between Description of facilities & Drawings . However it is the understanding of bidder that pump configuration shall be 3W+1SB in line with chiller configuration, as mentioned in Chilled water system P&ID. Please confirm.	Yes confirmed.
380		Description of facilities; (page no 139-140 of 269) Table 2  Drawings : Page No 39 of 42 Chilled water system P&ID	Condenser water inlet and outlet temperature mentioned in Chilled water system P&ID is 32 deg C and 37 deg C respectively. The corresponding CDW pump capacity shall be 255 CMH @ 4 GPM / TR . However as per Description of facilities (page no 139-140 of 269) Table 2 the pump capacity is indicated 140 CMH which corresponds to 2.2 GPM / TR. Kindly clarify.	CDW pump capacity to be worked out @ 3 GPM / TR as per which 190-200 CMH would be adequate.
381		Description of facilities; (page no 139-140 of 269) Table 2  Drawings : Page No 39 of 42 Chilled water system P&ID	We found that there are differences in Cooling tower configuration between Description of facilities & Drawings . However it is the understanding of bidder that pump configuration shall be 3W+1SB in line with chiller configuration, as mentioned in Chilled water system P&ID. Please confirm.  Also there are differences noted in Condenser water pump configuration between Description of facilities & Drawings . However it is the understanding of bidder that pump configuration shall be 3W+1SB in line with cooling tower configuration, as mentioned in Chilled water system P&ID. Please confirm.	Yes, Confirmed
382		Description of facilities; (page no 139-140 of 269) Table 2	The capacity of cooling tower indicated in Description of facilities document , does not suit for a chiller capacity of 280 TR. Kindly clarify.	The corrected capacity of cooling tower may be considered as 350 TR (3W+1S)
383		Description of facilities; (page no 139-140 of 269) Table 2  Drawings : Page No 39 of 42 Chilled water system P&ID	As per Chilled water system P&ID, secondary pumping system is envisaged. However, as per Description of facilities, there is no mention on secondary pumping system. It is the understanding of bidder that secondary pumping system shall be followed in line with P&ID. Please confirm.	Yes, secondary pumping system shall be followed in line with P&ID

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
384		Description of facilities; (page no 139-140 of 269) Table 2	Kindly provide heat load summary of various buildings in the facility served by chilled water , along with diversity to be considered for chiller sizing.	Heat load calculation to be worked out by bidder at the time of detailed designing of the system . For bidding purpose the bidder should go with the base line of 280TR chiller capacity (3W + 1S)
385		Description of facilities; (page no 165 of 269) Clause 17.24	<i>"Air-washer Unit shall be of Double skin type made out of 16-gauge GI casing and shall be of injection filled with PUF / PHENOTHERM / Rockwool slab / rolls (48 kg/m<sup>3</sup> density) of 50 mm thick Insulation between the two galvanized metal sheets"</i>  Kindly note that for double skin casing , each layer shall be 0.8 mm thick as per OEM standards, while for 16G GI sheet each layer shall be 1.6 mm. It is the undersanding of bidder that double skin type shall be followed. Please confirm.	It will as per OEM specification.
386		General - ( External chilled water Piping)	Kindly confirm routing of chilled water pipes from Chiller plant room to various blocks like office complex, canteen, medical center, safety office. Whether it is through below ground trench or through elevated pipe rack. Please confirm.	Majorly, the routing of service lines including chilled water pipes is envisaged through below ground RCC trenches. However, at some locations it may require to route these through elevated pipe racks from operational convinience and safety concideration. This can be discussed and decided specific to location during detailed design stage.
387		Description of facilities; (page no 159 of 269) Clause 17.20.15	<i>"Air handling units shall be selected for the lowest noise level (&lt;60 dBA) of the equipment"</i> For AHUs with capacity ranging from 7000-20000 CFM, the above said noise level will not be achivable at 1M distance from equipment as per OEM standards. However, permissible noise level for habitual spaces outside the AHU rooms ( such as office area, lobby, dining area etc) shall be maintained by considering necessary acoustic treatment along AHU room walls and ducting Please confirim.	If AHUs with desired capacity do not come with the sound level (<60 dBA) asked for then the bidder has to arrange for necessary acoustic treatment to achive the level.
388		Description of facilities; (page no 158 of 269) Clause 17.20.10	Fan motor efficeincy class mentioned as IE2 with class F insulation. However as per Description of facilities; (page no 100 of 269) Clause R , <i>"All continuous duty motors shall be complied to IE4 efficiency class and shall confirm to IS 12615."</i> It is the understanding of the bidder to follow as per Electrical specifications (IE4) since the same will be required for Griha 3 compliance as well. Kindly confirm.	Yes, confirmed with class of insulation as asked for in the Tender.
389		Description of facilities; (page no 158 of 269) Clause 17.20.12	<i>"Additional cooling coil may be provided in fresh air chamber for pre-cooling of fresh air to meet high latent load requirement."</i> It is the understanding of bidder that TFA shall be used for fresh air provision. However the same shall be confirmed based on receipt of office block, canteen block layouts with AHU room locations. Kindly provide the same.	Please refer the revised drawings (Both in PDF & DWG Format) provided in Corrigendum-1.
390		Description of facilities; (page no 139 of 269) Clause 17.2	<i>"The capacity of Air conditioning system shall be arrived based on room sizes, Temperature, RH, Occupancy, solar loads, internal equipment heat loads, lighting loads etc. as per ISHRAE / ASHRAE standards. 20% factor of safety (for de-rating of equipment / air leakages in ducts etc.) shall be considered on the capacity of the equipment."</i> It is the understanding of bidder that the above statement is applicable only for areas served air conditioning with modular system like VRF / DX split and not applicable for chilled water AHUs . Kindly confirm.	This is applicable also for chilled water AHUs. The system is to be designed by the EPC contractor taking all factors into consideration to ensure the efficacy of system.
391		Description of facilities; (page no 139 of 269) Clause 17.2	<i>"A minimum of 50% standby capacity is provided for the air conditioning systems proposed and a minimum of one no. unit / equipment shall be provided as standby for the premises provided with Split type Air conditioner units."</i> It is the understanding of bidder that the above statement is applicable only for areas served air conditioning with modular system like VRF / DX split and not applicable for chilled water AHUs . Kindly confirm.	This clause as of now stands dropped. During execution depending upon the criticality of the premises/facility decision with respect to provision of stand by capacity for Split type Air Conditioner units shall be taken.  This clause will not be applicable for other type of Air conditioning system.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
392		Describtion of Facilities 28. INDUSTRIAL GASES	Please provide the total number of point-of-use or take-off connections required for each type of gas.	This will be required on first floor of each manufacturing bay take-off point shall be obtained every alternate column. This will be provided on both rows of columns of the bay. The system shall ensure continuous, safe and regulated supply of gases in manufacturing bays.
393		Describtion of Facilities 28. INDUSTRIAL GASES	Kindly confirm the List all components that must be included at each take-off point (e.g., regulators, valves, fittings, safety devices).	The bidder to decide for continuous, safe and regulated supply of gases.
394		Describtion of Facilities 28. INDUSTRIAL GASES	Kindly Specify whether the gas manifold should be semi-automatic or manual in operation.	Gas manifold should be semi-automatic.
395		Describtion of Facilities 28. INDUSTRIAL GASES	Kindly Provide the required operating pressure of each gas at the point of use for the respective tools.	The bidder to decide for continuous, safe and regulated supply of gases.
396		Describtion of Facilities 28. INDUSTRIAL GASES	Please clarify gas consumption whether it is peak flow or average consumption?. Also kindly provide the calculations for the same.	The bidder need not to go into the detail of consumption pattern and they shall be required to supply install and commission the system as asked for in the tender for continuous, safe and regulated supply of gases.
397		Describtion of Facilities 28. INDUSTRIAL GASES	Kindly clarify whether we need to consider 10%-20% additional capacity for Expansion while designing main header?	The relevant IS code/best engineering practices to be followed.
398		Describtion of Facilities 28. INDUSTRIAL GASES	Kindly confirm the following. Gas Consumption, considered for each cylinder as the full withdrawal . whereas only 85% can be withdrawn from the system as follows: Considering 7m3 in 50 Liter Cylinder only 5.5 to 6m3 only be utilised. For the consumption of 3days approx as per the real off take , the followings are the number of cylinders : O2-58 Cylinders Ar- 109 Cylinders AOM- 299 Cylinders ACM-194 Cylinders Acetylene- 55 Cylinders	Follow the quantity given under respective clause of Tender for quoting purpose. However, the supply is to be made as per actual requirement to be committed at the time of execution.
399		Describtion of Facilities 28. INDUSTRIAL GASES	Kindly confirm the Utilisation factor of all the gases per day.	Not Relevant
400		Description of facilities 23.2 Description Of Equipment Air compressor	Driving motor capacity will have '10% margin over the required shaft power including all shaft driven auxiliaries at maximum 'capacity of compressor.This shall be as per the OEM Standard. Oil free shall be able to manage this requirement. But Oil Injected the abovementioned requirement is difficult. Please clarify	It is oil free only.
401		Describtion of Facilities 28. INDUSTRIAL GASES	Contractor scope will be to provide the Manifold systems comprises of Pipe, Braided tube, header etc. Supplying the cylinders will be in the scope of BEML .Also for the testing and commissioning along with the original cylinders shall be in the scope of BEML.	Follow Tender condition.
402		Drawings ( Page 37 of 42) FIRE FIGHTING SYSTEM - MEC-I0047-01-14-D1-ZZ-ZZZ-DR-N-04100 -FIRE WATER PIPELINE NETWORK	In Note 13 of the drawing, it states: "TAPPING FOR AUTOMATIC SPRINKLER SYSTEM SHALL BE TAKEN FROM HYDRANT HEADER."  However, as per the latest IS code (IS 15105:2021, Clause 3.1.3), separate headers are required for the fire hydrant and sprinkler systems.  Please confirm if we can include a separate header for the sprinkler system.	Inlcude separate header for the sprinkler system as per the latest IS Code IS 15105:2021.
403		Drawings ( Page 37 of 42) FIRE FIGHTING SYSTEM - MEC-I0047-01-14-D1-ZZ-ZZZ-DR-N-04100 -FIRE WATER PIPELINE NETWORK	The drawing shows the typical mounting detail for the external hydrant, indicating that each hydrant valve includes a butterfly valve.  Please confirm whether the butterfly valve should be removed or to retain the butterfly valve .	Butterfly valve is to be retained
404		Gerenal	We will consider all the Pipes for the fire figthing systems as Mild steel with Butt weld.we have not considered the GI Pipe & grooved fitting .Please confirm.	Being EPC Tender, design & engineering is in the scope of Bidder. Bidder to quote inconsideration of same.
405		Gerenal	Pumps,Valves,Pipes and fittings are all IS approved makes. We havn't considered the UL /FM . Please confirm.	Follow Tender condition.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
406		General	As per IS15105 : 2021, Table 1 Types of Sprinkler and Annex C, it is mentioned that the High storage, ESFR type Roof Sprinkler has to be provided. (It is suitable for all materials under category I through IV). Kindly confirm whether we can follow the ESFR Sprinkler or K115 Sprinkler	Follow Tender condition.
407	General NIT100226Ref Clause --Page no --	--	<p>We understood the overall scope of MEPF services is limited to RFQ requirement which is as follows;</p> <ul style="list-style-type: none"> <li>-Electrical Works (HT &amp; LT Distribution)</li> <li>-Plumbing Works (Water Supply Facilities)</li> <li>-Fire fighting Works</li> <li>- HVAC Works (Chiller, VRF, Split &amp; Ventilation)</li> <li>- ELV System (FA, VESDA, PA, ACS, PSS, IBMS, IT Networking, Tel &amp; VC, Instrumentation and Process control etc)</li> <li>- Treatment Plants - STP, RO</li> <li>- Elevators Works</li> <li>- Compressed Air System</li> <li>- Centralised Gas Bank</li> </ul> <p>Please confirm if any other services need to be considered.</p>	Plumbing work should include drainage and sewerage systems along with distribution of treated Effluent from STP. Rainwater harvesting system also forms the integral part of scope.
408	Statutory Approvals NIT100226Ref Clause H. Documentation and handover Page no 40	Statutory Approvals documents from relevant authorities	It is understood that the Statutory Approvals is in EPC Contractor scope. i.e. Permanent Power Supply, CEIG Lift NOC, CEIG DG Set Permission, CEIG Substation Layout Approval, CFO NOC, Storm Water Connection, Sewerage Connection & Permanent Water Connection Permission along with necessary liaisoning work. Please confirm.	<p>Following statutory approvals / permissions will be required at different stages of project:-</p> <ol style="list-style-type: none"> <li>1. Before physical commencement of project construction work (BEML's Responsibility) <ul style="list-style-type: none"> <li>(i) EC &amp; CTE</li> <li>(ii) Building permission</li> <li>(iii) Building plan &amp; site layout approval</li> <li>(iv) Fire NOC</li> <li>(v) Registration on Shram Suvidha Portal/ Madhya Pradesh Shram Seva Portal</li> </ul> </li> <li>2. During Construction: (EPC Contractor's Responsibility) <ul style="list-style-type: none"> <li>(i) License for storage handling and usage of explosives.</li> <li>(ii) Labour license.</li> <li>(iii) Registration with BOCW.</li> <li>(iv) Ground water withdrawal permission from CGWA/MPIDC</li> <li>(v) Other permissions required during execution</li> </ul> </li> <li>3. Post Construction: <ul style="list-style-type: none"> <li>(i) Factory License from DIHS - (BEML's Responsibility with support of EPC contractor)</li> <li>(ii) Structural Safety Certifications - EPC Contractor's Responsibility</li> <li>(iii) CTO - EPC Contractor's Responsibility</li> <li>(iv) Fire NOC - EPC Contractor's Responsibility</li> <li>(v) Electrical Safety Certification - EPC Contractor's Responsibility</li> <li>(vi) Emergency Management plan approval - EPC Contractor's Responsibility</li> <li>(vii) Registration under shops and establishment act - (BEML's Responsibility with support of EPC contractor)</li> <li>(viii) Hazardous waste authorization from MPPCB - (BEML's Responsibility with support of EPC contractor).</li> <li>(ix) Coordination for Permanent power supply from MPMKVCL-EPC Contractor's Responsibility</li> <li>(x) NOC for lift, DG-set permission, Approval of substation layout from CEIG-EPC Contractor's Responsibility</li> </ul> </li> </ol> <p>Note: Wherever responsibility is assigned to EPC contractor necessary documentation support from BEML's end will be provided.</p>
409	General, BOQ-1002 Drawing-Layout and section of DG set for emergency power	DG set	Please confirm the number of DG sets to be provided as it is mentioned 2 no. in the BOQ and in the drawing it is given as 3 no.	Confirmed requirement of 750KVA DG-sets is 3 Numbers (2W+1S). However, this should not be construed as emergency power requirement.
410	General		Electrical Technical Specifications to be provided separately.	Please refer the Description of Facilities and BEML responses to pre-bid queries in this sheet for further details
411	General		Kindly provide the Electrical Services AutoCAD drawings & Schematics.	Available autocad drawings are provided in Corrigendum - 2

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
412	Description of Facilities document P.g. 83 & MEC-I/0047-01-E1-D1-ZZ-ZZZ-DR-E-07220	Short Circuit Withstand Capacity	There is a discrepancy in the short-circuit withstand duration for the 33-kV switchboard. The Description of Facilities indicates 3 seconds, whereas the SLD shows 1 second. Kindly confirm the correct short-time withstand rating to ensure alignment across all documents	Follow SLD i.e. 1 Second
413	General		Please provide external electrical service layout.	External electrical service layout with regards to 33kv HT line will be in the scope of MPEB.
414	General		We presume that Incoming power supply from Grid line up to MRSS bldg. will be provided by Client. We seek your confirmation on the same.	Yes.
415	General		We have not received any electrical load details along with diversity factor. Please provide electrical load calculation along with diversity factor to be considered.	It is proposed that MRSS shall have 3 (2W+1S) transformers 33KV/ 415V, 3000KVA each to take care of the plant load requirements for the tendered project. One separate 33kV Three phase / 25kV single phase scott wound transformer of 4000KVA rating for testing of trains. Though the supply of 33KV / 25KV transformer is not in the scope of EPC tender, the laying of transmission line from transformer to inspection & testing bay and railway siding shall be in the scope of EPC tender. Associated control and protection equipment for 33KV/ 415V transformers shall be part of the EPC tender scope. The vendor shall submit the single line diagram and specifications for above MRSS for approvals during detailed designing. SLD enclosed earlier in the tender stands withdrawn.
416	General		Please provide location of DG Set on master plan as the same is not indicated on any drgs.	Please refer the revised master layout drawings provided in Corrigendum-1.
417	General		Please provide DG & Transformer load calculation along with loading factor as the same is not available .	It is proposed that MRSS shall have 3 (2W+1S) transformers 33KV/ 415V, 3000KVA each to take care of the plant load requirements for the tendered project. One separate 33kV Three phase / 25kV single phase scott wound transformer of 4000KVA rating for testing of trains. EPSS shall have 3 Nos. DG sets (2W+1S) of capacity 750V.
418	Liasoning for Infeed Cable (33kV incoming Power Supply) Description of facilitiesRef Clause 15.5 Scope of work and battery limitsPage no 82	33kV incoming Power Supply shall be made available inside the Plant boundary at the Metering cubicle by State electricity Board	Please confirm the scope of liasoining for 33kV incoming Power Supply	EPC's scope of services includes providing technical documents, technical support and liaisoning work to facilitate BEML for obtaining the33kV incoming power supply
419	HT panel Description of facilitiesRef Clause 15.7-D-7Page no 91	Busbar material- Copper/ Aluminium	We consider Aluminium, please confirm	Follow tender condition, preferably copper
420	HT panel(33kV) Description of facilitiesRef Clause Page no		Specifications for 33kV HT panels not mentioned. Required.	t is proposed that MRSS shall have 3 (2W+1S) transformers 33KV/ 415V, 3000KVA each to take care of the plant load requirements for the project. One separate 33kV Three phase / 25kV single phase scott wound transformer of 4000KVA rating. Associated control and protection equipment shall be part of the scope. The vendor shall submit the line diagram and specificatiuons for above MRSS for approvals.
421	APFC panel rating Description of facilitiesRef Clause 15.7-F-2Page no 93	Bank rating in Kvar- refer SLD	APFC panel not shown in SLD. Please confirm rating.	Capacitor Bank rating in KVAR shall generally be 30-40% of the transformer capacity, which will be finalised during detailed design stage.
422	LT POWER /MOTOR CONTROL CENTRE (PMCC/MCC): Description of facilitiesRef Clause 15.7-HPPage no 95	The 415V switchgear shall confirm to IS-8623 and IS 13947.	IS 8623 has been discontinued and is replaced by IEC 61439, IEC 61439 has no concept of TTA/PTTA assemblies, but has concept of verified design. Please confirm which IS to follow.	Follow latest codes and specifications as per railway applications
423	Interlocking of incomers Ref Clause Page no		Please confirm interlocking mechanism in case of LT panels with multiple incomers- Interlocking can be done through UV coil or DC shunt coil. Confirmation required.	EPC contractor to propose during the design and specification during detail engineering stage
424	UN-INTERRUPTED POWER SUPPLY (UPS) Description of facilitiesRef Clause 15.7-QPage no 100		Requirement of isolation transformer is not mentioned. Please confirm.	As per the KVA/KW rating of the machines, the capacities of isolation transformers and voltage stabilizers shall be decided with the concurrence of OEM

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
425	UN-INTERRUPTED POWER SUPPLY (UPS) Description of facilitiesRef Clause 15.7-QPage no 100	Each UPS set shall consist of common battery bank for 30 minutes back up (for lighting) and 1hour backup (for workstation) in case of power failure.	Backup ratings are not clear. Please clarify.	Follow Tender Conditions.
426	Type of insulation for wires. Description of facilitiesRef Clause 15.8Page no 106	HFFR wires shall be used for building electrification	The type of insulation is ambiguous. Please clarify.	Bidder to assess and finalize with BEML during the detail design stage
427	Description of facilitiesRef Clause 15.19Page no 112	The point wiring consists of wiring from the switch board in conduit with its ancillary work, such as inspection bends, junction boxes and FRLS wires up to the fixed terminals of ceiling roses, connectors, batten holders, etc. depending upon the type of point.		Follow Tender Conditions.
428	Voltage drop Description of facilitiesRef Clause 15.8Page no 106	The voltage drops from LDB and any fixture shall not exceed 3%.	We consider 3% voltage drop for wiring between LDB and fixtures. Provide clarity on voltage drop in distribution cables.	Bidder to assess and finalize with BEML during the detail design stage
429	LT/HT cables Description of facilitiesRef Clause 15.7-KPage no 97	All HT and LT power and control cables shall be double armoured type.	Please confirm.	Double Armoured cable to be used.
430	LT/HT cables Description of facilitiesRef Clause 15.7-KPage no 97	Cables for 415 V system shall be heavy duty, 1.1KV grade, PVC /XLPE insulated PVC sheathed aluminium conductor, double armoured type FRLS type.	Please confirm the type of insulation - PVC or XLPE.	Bidder to assess and finalize with BEML during the detail design stage
431	LT/HT cables Description of facilitiesRef Clause 15.7-KPage no 97	The HT cables shall conform to IS-7098 –1988, whereas LT power and control cable shall confirm to IS-1554-1988.	IS 1554-1988 is for PVC INSULATED ( HEAVY DUTY ) ELECTRIC CABLES and 15.7-K specifies XLPE insulated cables for LT cables. Please clarify	XLPE is preferred.
432	LIGHTNING PROTECTION Description of facilitiesRef Clause 15.17Page no 110		Level of lightning protection system design is not mentioned anywhere. Please clarify.	Bidder to assess and finalize with BEML during the detail design stage
433	Road crossing Description of facilitiesRef Clause 15.7-KPage no 97	HT & LT Cables shall be laid through Underground Cable Service corridors. HDPE Pipes shall be used at road crossings and paved area.	Please clarify over the road crossing - HDPE pipes or Hume pipes	Follow tender specification
434	Description of facilitiesRef Clause 15.18Page no 111	Road crossing through Hume pipe/Conduits.	Please clarify over the road crossing - HDPE pipes or Hume pipes	Follow tender specification
435	Earthing network Description of facilitiesRef Clause 15.18Page no 111	50x6 MM GI earth strip shall run along the cable network and necessary additional route as required to make a complete ring.	Description not clear. Please clarify.	Bidder to assess and finalize with BEML during the detail design stage
436	Earthing network Description of facilitiesRef Clause 15.18Page no 111	Earthing system shall be designed to achieve earth resistance of value not exceeding 1 ohm.	Soil resistivityreport required.	Geotechnical Survey report conducted at the project site is provided to the bidder. Bidder is required to carryout their own assessment before bidding.
437	Ceiling Fans Description of facilitiesRef Clause 15.19Page no 115	Electric ceiling fans shall be capacitor type, with double ball bearing complete with capacitor,	Type of ceiling fans to be confirmed.	As per tender document.
438	Description of facilitiesRef Clause Page no 263	(5 star BEE rated BLDC with regulator shall be used)		Follow Tender Conditions.
439	EPSS: EMERGENCY DIESEL GENERATOR SETS. Description of facilitiesRef Clause 24Page no 219		Requirement of Bulk oil storage tank is not mentioned. Please confirm.	Bidder to assess and finalize with BEML during the detail design stage
440	Approved makes Description of facilitiesRef Clause Page no		Approved makes for HFFR wires not mentioned. Please clarify	Bidder to assess and finalize the reputed make during detailed design stage and bidder to get approval from BEML for the proposed vendor before the supply

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
441	Approved makes Description of facilitiesRef Clause Page no		Approved makes for DG sets and transformers is not mentioned. Please clarify.	Refer Corrigendum No. 2
442	Elevator --Ref Clause --Page no --	--	Kindly Provide Elevators approved makes, can we proposed following makes as ; Otis/ Kone/ Schindler/ TKE/ Johnson / Equivalent	Refer Corrigendum No. 2
443	General		We request you to provide DBR along with Heat load, ventilation calculation .	Follow tender specification. Bidder to assess and finalize with BEML during the detail design stage
444	General ,Description of Facilities document/Sec.17/Pg.140	The chiller capacities mentioned is 280TR - 4nos.(3W+1S) with chilled water pump capacity indicated is 122CMH (1W+1S)	The chilled water pump capacity indicated in available tender documents 122 CMH (1W+1S) need to be corrected as 152 CMH (3W+1s).We seek your acceptance & confirmation on the same.	Pump Capacity Should be atleast 165-170 CMH @ 2.6 GPM / TR
445	General ,Description of Facilities document/Sec.17/Pg.140	The chiller capacities mentioned is 280TR - 4nos.(3W+1S) with cooling tower capacities as 225 TR (1W+1s)	The cooling tower capacity indicated in available tender documents 225 TR (1W+1s) needs to be corrected as 350 TR (3W+1s).We seek your acceptance & confirmation on the same.	The capacity of cooling tower suggested by bidder is agreed i.e. 350 TR (3W+1S)
446	General ,BOQ		The BOQ is given on lumpsum basis. We required detailed Bill of Quantities	Follow Tender document
447	General		As per chilled water schematics the total chiller capacities = 280TR x 4nos.(3W+1S) = 840TR Working TR. However there is a below note given below Table 2 page no.140. Note: The Capacity of equipment indicate in above table are indicative and for reference only. The system is to be designed to arrive at desired capacity of each equipment. The bidder to consider this aspect and quote accordingly. We presume that in the event of change in configuration and qty, additional cost will be reimburse to the bidder.	Bidder to assess and finalize with BEML during the detail design stage
448	General		The Tender approved makes for VRF equipment is missing in the tender. Please provide the acceptable approved makes for VRF equipment's.	Bidder to get approval from BEML for the proposed vendor before the supply
449	Ambient temperature Description of facilitiesRef Clause 15.6Page no 83	Ambient temperature=50°C	Kindly confirm the ambient temperature for substation and internal	Bidder to assess as per the site location
450	Ref Clause 15.7-B-13Page no 86	Ambient temperature=45°C	Kindly confirm the ambient temperature for substation and internal	Bidder to assess as per the site location
451	Cooling Towers DrawingsRef Clause Drg. no.: MEC-/I0047-01-40-D1- ZZ- ZZZ-DR-H-05001Page no 39	In schematic drawings 4 Nos. of FPR Cooling Towers (3W+ 1 S/b) show	In schematic drawings 4 Nos. of FPR Cooling Towers (3W+ 1 S/b) shown, whereas in Description of facility document mentioned 2 Nos (1W+ 1S) of 225 TR. Please confirm.	The corrected capacity of cooling tower may be considered as 350 TR (3W+1S)
452	Description of facilitiesRef Clause Table-2, Equipment CapacitiesPage no 140	Description of facility document mentioned 2 Nos (1W+ 1S) of 225 TR	In schematic drawings 4 Nos. of FPR Cooling Towers (3W+ 1 S/b) shown, whereas in Description of facility document mentioned 2 Nos (1W+ 1S) of 225 TR. Please confirm.	The corrected capacity of cooling tower may be considered as 350 TR (3W+1S)
453	Annexe Building Description of facilitiesRef Clause Table- 2, Equipment CapacitiesPage no 140	Annex Building - Air Cooled VRF System (50Nos)	Please share details for Annexe Building, including all MEP Services	Air cooled VRF system (50-Nos.) should be read as 1.5T capacity split type air conditioner (50-Nos.) of 5-star rating.
454	Centralized Gas Bank System -Approved Makes -- Ref Clause --Page no --	--	Kindly Provide Centralized Gas Storage System approved makes, can we proposed following makes as ; Kaeser, Atlas Copco / KLK india / CCD/ Excel / Deneb/ Aditi Engg / Inox/ Super Cryogenic system/ Bosco / Equivalent	Bidder to get approval from BEML for the proposed vendor before the supply
455	NIT Annexure, Page 5 of 50	(Average Annual Turnover of the Bidder from consulting works in India during last three years (2022-23, 2023-24, 2025-25))	As being a Construction contract, we request you to delete the words "Consulting works in India" (Average Annual Turnover of the Bidder from consulting works in India during last three years (2022-23, 2023-24, 2025-25))	The phrase 'Consulting works in India' stands deleted.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
456	NIT, Pg. 9 of 152, Cl. 1. E d	Bidder must not be stand declared ineligible/ blacklisted/ banned/ debarred by the Procuring Organization or its Ministry/ Department from participation in its Tendering Processes. (Annexure-13 A)	<p>The tender mentions different requirements for the clause on debarment/ blacklisting under various clauses.</p> <p>Request you to keep the criteria in all clauses as per NIT, Pg. 9 of 152, Cl. 1. E d. that states " Bidder must not be stand declared ineligible/ blacklisted/ banned/ debarred by the Procuring Organization or its Ministry/ Department from participation in its Tendering Processes".</p> <p>The same is also in line with Government of India Notification No. F1/20/2018/PPD dated 2-November-2021 on Debarment of firm requirement in Government procurement process.</p> <p>Please refer Annexure enclosed herewith.</p>	Refer Corrigendum No. 1
457	NIT, Pg. 14 of 152, Cl. 2, F 8	Bidder should not be blacklisted/ debarred by any government/ semi government department/ PSU..	<p>The tender mentions different requirements for the clause on debarment/ blacklisting under various clauses.</p> <p>Request you to keep the criteria in all clauses as per NIT, Pg. 9 of 152, Cl. 1. E d. that states " Bidder must not be stand declared ineligible/ blacklisted/ banned/ debarred by the Procuring Organization or its Ministry/ Department from participation in its Tendering Processes".</p> <p>The same is also in line with Government of India Notification No. F1/20/2018/PPD dated 2-November-2021 on Debarment of firm requirement in Government procurement process.</p> <p>Please refer Annexure enclosed herewith.</p>	Refer Corrigendum No. 1
458	NIT, Pg. 70 of 152, Cl. 7, 19	The Agency should give undertaking that they have not been blacklisted debarred from quoting by any Govt./PSU organizations in the last Five years from the date of Tender Notice	<p>The tender mentions different requirements for the clause on debarment/ blacklisting under various clauses.</p> <p>Request you to keep the criteria in all clauses as per NIT, Pg. 9 of 152, Cl. 1. E d. that states " Bidder must not be stand declared ineligible/ blacklisted/ banned/ debarred by the Procuring Organization or its Ministry/ Department from participation in its Tendering Processes".</p> <p>The same is also in line with Government of India Notification No. F1/20/2018/PPD dated 2-November-2021 on Debarment of firm requirement in Government procurement process.</p> <p>Please refer Annexure enclosed herewith.</p>	Refer Corrigendum No. 1
459	Annexures of NIT, Pg. 4, Annexure-3	We hereby declare that we have not been placed on any holiday list or blacklist declared by BEML or its Administrative Ministry (Ministry of Defence)/ Central /State Govt. Dept. /Autonomous Institution / PSUs in India	<p>The tender mentions different requirements for the clause on debarment/ blacklisting under various clauses.</p> <p>Request you to keep the criteria in all clauses as per NIT, Pg. 9 of 152, Cl. 1. E d. that states " Bidder must not be stand declared ineligible/ blacklisted/ banned/ debarred by the Procuring Organization or its Ministry/ Department from participation in its Tendering Processes".</p> <p>The same is also in line with Government of India Notification No. F1/20/2018/PPD dated 2-November-2021 on Debarment of firm requirement in Government procurement process.</p> <p>Please refer Annexure enclosed herewith.</p>	Refer Corrigendum No. 1

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
460	Annexures of NIT, Pg. 22, Annexure- 13A	This is to certify that (Name of the Firm) has not been banned / black listed / debarred from Trade by any Central /State Govt. Dept. / Autonomous Institution / PSUs in India	<p>The tender mentions different requirements for the clause on debarment/blacklisting under various clauses.</p> <p>Request you to keep the criteria in all clauses as per NIT, Pg. 9 of 152, Cl. 1. E d. that states " Bidder must not be stand declared ineligible/ blacklisted/ banned/ debarred by the Procuring Organization or its Ministry/ Department from participation in its Tendering Processes".</p> <p>The same is also in line with Government of India Notification No. F1/20/2018/PPD dated 2-November-2021 on Debarment of firm requirement in Government procurement process.</p> <p>Please refer Annexure enclosed herewith.</p>	Refer Corrigendum No. 1
461	NIT, Pg. 16 of 152, Cl. 2, F. 19	The Bidder should have the credential of having executed civil construction works of similar nature (Involving Fabrication and /or RCC) of minimum value of Rs.25 Crore per month on an average in a completed contract of similar works....	<p>Request modification in the criteria as :</p> <p>The Bidder should have the credential of having executed civil construction works of similar nature (Involving Fabrication and /or RCC) of minimum value of <b>Rs. 22 Crore</b> per month on an average in a completed contract of similar works....</p>	Refer Corrigendum-1
462			The works to be submitted shall be of similar nature (Involving Fabrication and /or RCC) as mentioned and not necessarily be from OR as per similar works mentioned for clause 2. F. 15. Kindly clarify.	Refer Corrigendum-1
463	NIT, Pg. 16 of 152, Cl. 2, F Notes 2	TDS (26 AS) downloaded from the web matching with the experience certificate should be attached	TDS (26 AS) downloaded from the web matching with the experience certificate are required generally for completed works with private sector client. The same shall not be required in case of works with Government sector client.	Refer QCBS evaluation table page no 22 of NIT which is self explanatory.
464	F. Technical Bid – Part–A1 (Quality and cost based selection) - Clause No. 17	The Bidder should have executed steel fabrication work to the tune of minimum 16,000 MT in a single completed contract.	Modification Required - The Bidder should have executed steel fabrication work to the tune of minimum 16,000 MT in a multiple completed contracts.	Refer Corrigendum-1
465	F. Technical Bid – Part–A1 (Quality and cost based selection) - Clause No. 19	The Bidder should have the credential of having executed civil construction works of similar nature (Involving Fabrication and /or RCC) of minimum value of Rs.25 Crore per month on an average in a completed contract of similar works. (This should be the billing amount against works and not the advance received, if any) Substantial documentary evidence to be provided in support of above	Modification Required - The Bidder should have the credential of having executed civil construction works of similar nature of minimum value of Rs.15 Crore per month on an average in a completed contract of similar works. (This should be the billing amount against works and not the advance received, if any) Substantial documentary evidence to be provided in support of above	Refer Corrigendum-1
466	F. Technical Bid – Part–A1 (Quality and cost based selection)	Similar* work sh all mean Railway workshops, Industrial project ( Manufacturing industries, Process Industries, Power Plants, and Metro depots, etc.)	Modification Required - Similar* work sh all mean Railway workshops, Industrial project (Manufacturing industries, Process Industries, Power Plants, and Metro depots, etc.), Ware Houses , Data Centers etc.	Follow tender condition.
467	Similar Work	Similar work shall mean Railway workshops, Industrial project (Manufacturing industries, Process Industries, Power plants, and Metro depots, etc.)	<b>Query/ Proposed Item:</b> Similar Work shall mean Railway workshop and manufacturing units, <b>Railway Bridges</b> , Industrial Project (Manufacturing Industries, Process Industries, Power Plants, and Metro depots, etc.)	Follow tender condition.
468	F. Technical Bid – Part–A1 (Quality and cost based selection) Clause No. 16-19	The Bidder should have successfully completed an industrial project during last 07 Executed on design and build basis with total construction area (Built up area) of Industrial Shed and RCC Buildings combined together should not be less than 82,150 Sqm (Design and Build) The Bidder should have executed steel fabrication work to the tune of minimum 16,000 MT in a single completed contract The bidder should have executed RCC Work to the tune of minimum 50,000 CuM in a single contract. The Bidder should have the credential of having executed civil construction works of similar nature (Involving	It is requested to amend the criteria for minimum quantity from summation of quantity executed through different similar projects completed/ substantially completed instead of an industrial project/single completed project.	Refer Corrigendum-1

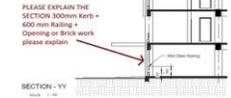
Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
		Fabrication and for RCC) of minimum value of Rs.25 Crore per month on an average in a completed contract of similar works		
469	F. Technical Bid – Part–A1 (Quality and cost based selection) Clause No. 16-19		It is requested to clarify whether executed quantity prior to seven years for the projects completed within 07 years will be considered or not.	It will be considered. Follow tender condition.
470	NIT Document - Pg. 11/152 - Cl. 2. Submission of Bid in SRM Portal & Eligibility and Qualification Criteria		We understand that this volume requirement is intended to demonstrate the bidders capacity for large-scale steel management, procurement, and fabrication. As such, we assume that experience from any heavy engineering or infrastructure sector (e.g., Oil & Gas, Power Plants, Industrial Sheds. or Specialized Bridge Works) will be considered valid. Kindly confirm.	Refer Corrigendum-1, This PQR doesn't seek the experience of specific project.
471	NIT Document - Pg. 11/152 - Cl. 2. Submission of Bid in SRM Portal & Eligibility and Qualification Criteria	F. Technical Bid — Part—A1 18. The bidder should have executed RCC Work to the tune of minimum 50,000 CuM in a single contract.	We understand that as long as the bidder demonstrates the capability of executing the required volume of RCC to high engineering standards, the experience may be derived from any major infrastructure project (e.g., railway bridges, dams, highway bridges, industrial plants, or power projects) and is not strictly limited to the specific categories defined under 'Similar Works' in the tender. Kindly confirm our understanding.	This PQR doesn't seek the experience of specific project. NIT condition may be followed.
472	NIT Document - Pg. 11/152 - Cl. 2. Submission of Bid in SRM Portal & Eligibility and Qualification Criteria	F. Technical Bid — Part—A1 17. The Bidder should have executed steel fabrication work to the tune of minimum 16,000 MT in a single completed contract 18. The bidder should have executed RCC Work to the tune of minimum 50,000 CuM in a single contract.	Kindly confirm the timeline / period for execution of these works.	Period of execution should be during last 7 years ending the last date of the Month previous to the one in which NIT is invited.
473	NIT Document - Pg. 11/152 - Cl. 2. Submission of Bid in SRM Portal & Eligibility and Qualification Criteria	F. Technical Bid — Part—A1 The Bidder should have the credential of having executed civil constriction works of similar nature (Involving Fabrication and lor RCC) of minimum value of Rs.25 Crore month on an average in a completed contract of similar works. (This should be the billing amount against works and not the advance received, if any) Substantial documentary evidence to be provided in support of above	The tender specifies that "the value of executed works shall be brought to current costing level by enhancing the actual value at a simple rate of 7% per annum." We understand that this enhancement factor is applicable to all value-based credentials, including the calculation of the monthly average execution value, to ensure historical contracts are evaluated at current market rates.Kindly confirm our understanding	Yes.
474	NIT Document - Pg. 17/152	Note: TDS (26 AS) downloaded from the web matching with the experience certificate should be attached.	Since certificates issued by Government Departments are formal public documents and carry inherent authenticity, we understand that the mandatory submission of Form 26AS applies primarily to certificates issued by Private Clients/Entities. Kindly confirm that for Government-executed works, the official Completion Certificate alone shall suffice for eligibility." In many older projects or specific departments, the way TDS is filed (e.g., under a consolidated TAN or different sub-sections) might not always create a perfect 1:1 line item in your 26AS that matches a specific "Project Name," even if the total amounts are correct. Removing this requirement for Govt. works simplifies your compliance significantly.	Refer QCBS evaluation table page no 22 of NIT which is self explanatory.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
475	NIT10026, Technical bid - Part-A1, S.no. 15	<p>The contractor should have satisfactorily completed the works as mentioned below during the last seven years ending previous day of last date of submission of tender.</p> <p>One similar* completed work costing not less than 80% of the estimated cost of work Or Two similar* completed works of order value each not less than 50% of the estimated cost of work Or Three similar* completed works of order value each not less than 40% of the estimated cost of work.</p> <p>Similar* work shall mean Railway workshops, Industrial project (Manufacturing industries, Process Industries, Power Plants, and Metro depots, etc.)</p>	<p>We request you to also consider power Stations of Hydel &amp; PSP or Pumping stations as they also meet all the components as part of the experience criteria. Further, we request you to consider the completed works during last ten years as against seven years, since due to covid during 2019/2020, the work execution was very slow and got extending for more time than the agreement period wherein time extension was granted by most of the clients.</p> <p>In this regard, we request you modify the clause as below: The contractor should have satisfactorily completed the works as mentioned below during the last ten years ending previous day of last date of submission of tender. "Similar* work shall mean Railway workshops, Industrial project (Manufacturing industries, Process Industries, Power Plants, Power stations- Hydel &amp; PSP, Pumping stations and Metro depots, etc.)". This will give more bidder to participate and have competitive bidding.</p>	<p>Power Stations are already covered. However pumping stations do not Qualify under this category.</p>
476		<p>Must be Indian Registered Company under Companies Act 1956/ Public or corporation, registered with the appropriate government authority as / Limited company/ Private limited company/ and shall be in the Construction business for at least last 5 years (LLP, Proprietorship or Partnerships and Joint ventures are not allowed)</p>	<p>There are very limited bidders with similar work experience. In this regard, we request you to allow the Joint ventures so that this will give more bidders to participate and have competitive bidding. We submit that all the PSUs in India are allowing joint ventures for better participation in bids which will allow consolidated experience of two or three companies in different fields of engineering. Were uest ou to review and confirm.</p>	<p>Follow Tender Conditions.</p>
477	Sr. No. 19 of Clause No. F. (Technical Bid – Part–A1) on Page 16 of 152.	<p>The Bidder should have the credential of having executed civil construction works of similar nature (Involving Fabrica on and /or RCC) of minimum value of Rs.25 Crore per month on an average in a completed contract of similar works. (This should be the billing amount against works and not the advance received, if any) Substantial documentary evidence to be provided in support of above.</p>	<p>For the purpose of eligibility under this criterion, it is requested that mul ple LOIs/WOs/POs issued by the same client for works executed under the same project may be treated as a single work order.Accordingly, the cumula ve value of works completed against such individual LOIs/WOs/POs shall be considered as the value of one single completed work.</p> <p>As documentary evidence, a combined comple on cerficate issued by the Client, covering all such LOIs/WOs/POs for the said project, shall be acceptable.</p>	<p>Follow Tender Conditions.</p>
478	Sr. No. 20 of Clause No. F. (Technical Bid – Part–A1) on Page 17 of 152.	<p>The Bidder should have in-house engineering capability in all of the following disciplines</p> <p>G. Civil &amp; Structure H. MEP I. IT &amp; Data Communication</p> <p>Bidder is required to submit Organogram of engineering setup available with them Should have successfully executed minimum 02 no's Railway workshops/ Industrial/commercial project involving all above disciplines during last 07 years with In-House Capabilities.</p>	<p>For the purpose of eligibility under this criterion, it is requested that the requirement of in-house engineering capability for IT &amp; Data Communication may be waived, since the scope of design and engineering involved in this discipline is comparatively limited in nature as compared to other disciplines under the package.</p> <p>Instead, the bidder may be permitted to engage/ associate a specialised professional agency having proven experse in IT &amp; Data Communication engineering, after award of work, for carrying out the design and engineering related to this scope.</p>	<p>Refer Corrigendum-1</p>
479	F. Technical Bid – Part– A1, 12	<p>Average annual financial turnover on similar work should be at least Rs. 197.10 Crores Only during the immediate last three consecutive financial years ending 2024-25.</p>	<p>The contractor herewith requests the authority to consider turnover from construction activities as in whole, rather than considering only similar works.</p>	<p>This criterion stands modified as, "The bidder should have an average annual financial turnover of minimum Rs. 197.10 Crores during the last three consecutive financial years ending 31st March, 2024-25. "</p>

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
480	F. Technical Bid – Part– A1, 14	The bidder should have a solvency of an amount of Rs. 262.80 Crores. The solvency certificate should be from a Nationalized I Scheduled bank	Kindly clarify that the solvency could be sufficed by one or more banks or should be from a single bank.	Follow Tender Conditions.
481	F. Technical Bid – Part– A1, 17	The contractor should have satisfactorily completed the works as mentioned below during the last seven years ending previous day of last date of submission of tender. One similar* completed work costing not less than 80% of the estimated cost of work Or Two similar* completed works of order value each not less than 50% of the estimated cost of work Or Three similar* completed works of order value each not less than 40% of the estimated cost of work. Similar* work shall mean Railway workshops, Industrial project (Manufacturing industries, Process Industries, Power Plants, and Metro depots, etc.)	The contractor requests the authority to allow experience of work executed as a lead member of the Joint Venture, to be considered completely for fulfilling the amount criteria.	Follow Tender Conditions.
482	F. Technical Bid – Part– A1, 17	The Bidder should have executed steel fabrication work to the tune of minimum 16,000 MT in a single completed contract.	The contractor herewith solemnly requests the authority to relax this criterion, such that, this requirement could be fulfilled through multiple contracts.	Refer Corrigendum-1
483	F. Technical Bid – Part– A1, 19	The Bidder should have the credential of having executed civil construction works of similar nature (Involving Fabrication and /or RCC) of minimum value of Rs.25 Crore per month on an average in a completed contract of similar works.	We request to eliminate this condition.	Refer Corrigendum-1
484	F. Technical Bid – Part– A1, 3	Must be Indian Registered Company under Companies Act 1956/ Public or corporation, registered with the appropriate government authority as / Limited company/ Private limited company/ and shall be in the Construction business for at least last 5 years (LLP, Proprietorship or Partnerships and Joint ventures are not allowed)	As per CPWD Works Manual 2019, Joint Ventures are allowed for works more than 100 Crore. Hence, we request the authority to allow the same.	Follow Tender Conditions.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
485	NIT/Page no.13-17/Clause F	The contractor should have satisfactorily completed the works as mentioned below during the last seven years ending previous day of last date of submission of tender. One similar* completed work costing not less than 80% of the estimated cost of work Or Two similar* completed works of order value each not less than 50% of the estimated cost of work Or Three similar* completed works of order value each not less than 40% of the estimated cost of work	We request you to modify this clause as below "The contractor should have satisfactorily completed the works as mentioned below during the last <del>seven</del> <b>ten</b> years ending previous day of last date of submission of tender. One similar* completed work costing not less than 80% of the estimated cost of work Or Two similar* completed works of order value each not less than 50% of the estimated cost of work Or Three similar* completed works of order value each not less than 40% of the estimated cost of work "	Follow Tender Conditions.
486	NIT/Page no.13-17/Clause F	The Bidder should have successfully completed an industrial project during last 07 Years Executed on design and build basis with total construction area (Built up area) of Industrial Shed and RCC Buildings combined together should not be less than 82,150 Sqm (Design and Build.	We request you to modify this clause as below "The Bidder should have successfully completed an industrial/ <b>commercial</b> project during last 07 Years Executed on design and build basis with total construction area (Built up area) of Industrial Shed/ <b>commercial structure</b> and RCC Buildings combined together should not be less than 82,150 Sqm (Design and Build.	Follow Tender Conditions.
487	NIT/Page no.13-17/Clause F	The Bidder should have executed steel fabrication work to the tune of minimum 16,000 MT in a single completed contract	We request you to modify this clause as below "The Bidder should have executed steel fabrication work to the tune of minimum 16,000 MT in a single completed/ <b>ongoing</b> contract"	Refer Corrigendum-1
488	NIT/Page no.13-17/Clause F	The Bidder should have the credential of having executed civil construction works of similar nature (Involving Fabrication and /or RCC) of minimum value of Rs.25 Crore per month on an average in a completed contract of similar works. (This should be the billing amount against works and not the advance received, if any) Substantial documentary evidence to be provided in support of above	We request you to modify this clause as below "The Bidder should have the credential of having executed civil construction <del>works of similar nature</del> (Involving Fabrication and /or RCC) of minimum value of Rs.25 Crore per month on an average in a completed contract of similar building works. (This should be the billing amount against works and not the advance received, if any) Substantial documentary evidence to be provided in support of above"	Refer Corrigendum-1, Follow Tender conditions
489	NIT/Page no.13-17/Clause F	The Bidder should have in-house engineering capability in all of the following disciplines G. Civil & Structure H. MEP I. IT & Data Communication Bidder is required to submit Organogram of engineering setup available with them Should have successfully executed minimum 02 no's Railway workshops/ Industrial/commercial project involving all above disciplines during last 07 years with In-House Capabilities	We request you to modify this clause as below "The Bidder should have in-house engineering capability in all of the following disciplines G. Civil & Structure H. MEP I. IT & Data Communication Bidder is required to submit Organogram of engineering setup available with them Should have successfully executed minimum 02 no's Railway workshops/ Industrial/commercial / <b>Institutional</b> project involving all above disciplines during last 07 years with In- House Capabilities"	Refer Corrigendum-1, Follow Tender conditions
490		Description of facilities (Pg. 8 & Pg.11)	For Bay 2(Warehouse) in Car Body Fabrication & Assembly Line Building, kindly provide details regarding the racking system and capacity to be considered and its scope.	Details of storage system is not available for the design purpose loading on 1st floor and ground floor of warehouse may be taken as 2t/m <sup>2</sup> and 3t/m <sup>2</sup> respectively. However, during detailed engineering if any specific requirement of cutouts comes up the same shall be informed to the EPC contractor for taking care of the same.
491		Description of facilities (2.3.1 Transverser Pg.19)	As per document, maintenance of Traverser shall be carried out through monorail. Kindly confirm capacity of monorail and quantity. Also share scheme layout.	Monorail is not required for the traverser. However, the equipment supplied is maintenance friendly and should be such that it requires minimal maintenance
492		Description of facilities (6.3 in Pg.23)	Kitchen equipment not considered as per document. Please confirm.	Yes, kitchen equipment is not considered.
493		Bill of Quantities (Item no. 23)	Please provide Interlay Track Shifter (50T) Location and reference image	Not in the scope of EPC tender. Refer revised BoQ and scope of work
494		Bill of Quantities (Item no. 33)	Kindly provide details for Test Track with covered accommodation	Not in the scope of EPC tender. Refer revised BoQ and scope of work

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
495		Description of facilities	Seismic design Code needs to be fixed. IS 1893-2016 and IS 1893-2025 has been mentioned multiple times in the document. Please explicitly mention the code which has to be followed However it is suggested to use IS 1893:2016 Part 1 and IS 1893:2024 Part 4	Latest code to be followed
496		Description of facilities	Please clarify whether we need to consider Chapter 12 of IS 800-2007 for structural steel design, as the site falls under seismic Zone II.	Yes, all the codal provisions are to be followed as per requirement
497		Cl 11.4 H	IS 3370 - 2009 and IS 3370-2021 is listed. Latest version will be considered. Please Confirm	Latest code to be followed
498			Solar panel requirement in roof. Please Mention Load and vendor details for fixing as it not in the scope of EPC	For the purpose of quoting 30Kg per sq.m distributed load (load of solar panels & mounting arrangement combined together) may be considered as design ceiling
499		Cl. 6.10	Please clarify whether Lift is in the scope of EPC. If not, please provide with vendor details such as Lift Pit, Supports and Machine Loads for considering the civil scope	Lift is not in the scope of EPC tender as for as Annexe buildings to Manufacturing block are concerned. However, lift shaft dimensions as indicated in the drawing is very much in the scope of EPC tender. Pit dimensions shall be informed during <u>detail engineering stage</u>
500		Description of facilities, Page 67, clause 12.1	Minimum Thickness to be taken as 8mm( Excludes Hot Rolled Sections) - Kindly clarify whether this applies only to Plates used in Buildup sections.	Allowed to use lesser thickness in case of Hot Rolled Sections subject to design validation.
501		Cl 12.1	Double Sandwich Panel roof Sheeting - Specify Thickness and density	The range of thickness and density is 80-100mm and 100 -120 Kg/m3. The guiding parameter of rockwool sandwich roof panel is fire rating of 2 hrs.
502		13.11	Trapezoidal Roof Sheeting in tender document mentioned. Suggest to go with Standing Seaming Type roof . Please Confirm	Follow Tender condition.
503		Cl 12.1	No insulation for walls. Please Confirm	Yes.
504		Description of facilities	Please mention the Type of load for which the roads has to be designed	IRC Class A loading to be adopted for the road design.
505		Cl 11.4 D & Cl 12.19	Terrain Category for design of RCC structures is mentioned as 1 whereas for Steel it is mentioned as 2. Pls Clarify	Terrain Category 1 to be adopted for both RCC and steel
506		General	For All buildings, AAC Blocks partiotn will be considered unless otherwise mentioned Please Confirm	Confirmed.
507		General	Kindly confirm the class of crane to be considered for the structural design.	Class E to be adopted.
508		General	Please advise whether the expansion joint location is preferred by the client or can be finalized as per design requirements.	Bidder to decide subject to meeting functional requirement.
509		Description of Facilities - List of Facilities/Utilities/Buildings, Rail Plant-Bhopal - Page no : 4 of 269 <b>STP Capacity - 100 KLD ( 15m x 13.5m )</b>	As per the clause , we presume that all the effluent generated inside the proposed facility (from train wash areas, effluent generated from assembly line, inspection line, testing line) and all the toilet waste generated from toilets will be collected in the Sewage treatment plant of 100 KLD. Kindly clarify	Yes, except for effluent generated from paint shop.
510		Description of Facilities - List of Facilities/Utilities/Buildings, Rail Plant-Bhopal - Page no : 4 of 269 <b>STP Capacity - 100 KLD ( 15m x 13.5m )</b>	Kindly clarify , the STP treated water 100 KL shall be used for irrigation or flushing ?	Yes. The treated water shall be used only for Irrigation
511			As per codal provisions, ductile detailing is not mandatory for buildings located in Seismic Zone II. For the canteen building, R = 3 and I = 1.0 shall be adopted in line with the document titled "Description of Facilities." Kindly confirm.	Yes, Latest version of Code IS 1893 should be adopted for seismic design.
512			The document on "Description of Facilities"(Pg.No 69,74) shared by the client refers to seismic design recommendations in line with IS 1893 (Part 1): 2016. We request your confirmation on whether the design is to follow IS 1893 (Part 1): 2016 or the updated 2025 version	Yes, Latest version of Code IS 1893 should be adopted for seismic design.
513			As per codal provisions, ductile detailing is not mandatory for buildings located in Seismic Zone II. For the medical centre building, R = 3 and I = 1.5 shall be adopted in line with IS 1893 Part1 2016. Kindly confirm.	Yes, Latest version of Code IS 1893 should be adopted for seismic design.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
514			11.The document titled "Description of Facilities"(Pg.No 69,74) refers to seismic design recommendations in line with IS 1893 (Part 1): 2016. We request your confirmation on whether the design is to follow IS 1893 (Part 1): 2016 or the updated 2025 version	Latest version of Code IS 1893 should be adopted for seismic design.
515		<b>6.9 PARKING FACILITY</b> The following are the type of parking facility provided for the plant: <ul style="list-style-type: none"> <li>• 20 no of covered parking in ground floor of the Main office complex for senior executives.</li> <li>• 15 no Truck parking near the main gate</li> <li>• One multi-level parking area with provisions for the following: <ol style="list-style-type: none"> <li>1. Two-wheeler – 285</li> <li>2. Four-wheeler – 360</li> <li>3. Bus – 09</li> </ol> </li> </ul> 	As per codal provisions, ductile detailing is not mandatory for buildings located in Seismic Zone II. For the multi level car parking, R = 3 and I = 1.0 shall be adopted in line with the document titled "Description of Facilities." Kindly confirm.	Yes, Latest version of Code IS 1893 should be adopted for seismic design.
516		<ul style="list-style-type: none"> <li>• 20 no of covered parking in ground floor of the Main office complex for senior executives.</li> <li>• 15 no Truck parking near the main gate</li> <li>• One multi-level parking area with provisions for the following: <ol style="list-style-type: none"> <li>1. Two-wheeler – 285</li> <li>2. Four-wheeler – 360</li> <li>3. Bus – 09</li> </ol> </li> </ul> 	The document on "Description of Facilities"(Pg.No 69,74) shared by the client refers to seismic design recommendations in line with IS 1893 (Part 1): 2016. We request your confirmation on whether the design is to follow IS 1893 (Part 1): 2016 or the updated 2025 version	Yes, Latest version of Code IS 1893 should be adopted for seismic design.
517			Plaese provide loading details for 2-wheeler and 4-wheeler vehicles for flooring. Also clarify the type of 4 wheeler vehicle (light / heavy vehicle).	Bidders to assess the loading details of 2 wheeler and 4 wheelers which are commonly used passenger cars (light motor vehicle)
518		PLEASE EXPLAIN THE SECTION 300mm Kerb + 600 mm Railing + Opening or Brick work please explain 	Please confirm the type & thickness of external and internal Blockwall.Also provide the room dimensions.	Drawings are provided in Corrigendum - 1, Room sizes are to be worked out based on grid sizes provided in drawing and thickness of AAC block masonry External wall thickness will invariably be 200mm (min) & internal wall thickness may be 100mm/200mm as decided by EPC bidder meeting functional requirement.
519			As per codal provisions, ductile detailing is not mandatory for buildings located in Seismic Zone II. For main gate complex with security building, R = 3 and I = 1.0 shall be adopted in line with the document titled "Description of Facilities." Kindly confirm.	Yes, Latest version of Code IS 1893 should be adopted for seismic design.
520			The document on "Description of Facilities"(Pg.No 69,74) shared by the client refers to seismic design recommendations in line with IS 1893 (Part 1): 2016. We request your confirmation on whether the design is to follow IS 1893 (Part 1): 2016 or the updated 2025 version.	Yes, Latest version of Code IS 1893 should be adopted for seismic design.
521			Please confirm if any surcharge load needs to be considered for footing design for main gate complex with security building.	All the necessary loadings for the Main Gate Complex as per its requirements are to be considered for footing design
522		Description of Facilities : Clause : 8. COMMON DRIVEWAYS / LANDSCAPING AROUND THE FACILITIES , Page 44 of 269	As per the clause , kindly share the specification for the decorative water fountain and also share the drawings / type of irrigation for the fountain	Description of fountain is provided vide corrigendum-2. Under the chapter landscaping and green belt development.
523		Description of Facilities : Clause : 6.1 OFFICE COMPLEX: Page 22 of 269	As per the clause , kindly share the specification for the central water body (Triplex) and also share the drawings / type of irrigation for the fountain	Detailed drawings are not avaiable. Bidder is to assess and propose it during the detail design stage to make it aesthetically pleasing and commensurate with the dimension and finishes with the space it is proposed.
524		Description of facilities; (page no 105 of 269)	15.8 ILLUMINATION: Please share the lux level requirement for following areas and type of fixtures to be considered <ol style="list-style-type: none"> <li>1. Car Body Fabrication &amp; Assembly line facility</li> <li>2. Car Body Inspection &amp; Testing line facility</li> <li>3. Fire Station</li> <li>4. Safety Office</li> <li>5. Water Supply and Fire water pump house</li> <li>6. Main Gate Complex with security Office</li> <li>7. Gate complex for material movement with security office.</li> <li>8. Gate complex for Railway Siding</li> <li>9. Multilevel Parking</li> <li>10. Centralised Gas Bank</li> <li>11. Chiller Plant</li> <li>12. Road Weigh bridge and office</li> <li>13. STP</li> <li>14. Raw Material Storage Yard</li> <li>15. Traverser</li> <li>16. Goliath Crane.</li> <li>17. External Roadways</li> <li>18. External Railway track</li> </ol>	Please adopt guidelines of NBC 2025 Part 1 & IRC or other relevant codes as may be applicable

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
525		Description of facilities; (page no 107 of 269)	15.10 CABLE CARRIER SYSTEM: ladder type trays sizes mentioned 300, 450 & 600mm only. Please confirm shall we consider 750 & 900mm ladder trays.	Yes, 750 & 900mm ladder trays can also be considered.
526		Description of facilities; (page no 169 of 269) Clause 17.30	Kindly confirm on the GSM ( zinc coating thickness) to be followed for site fabricated & factory fabricated ducts.	180 GSM
527		CAR BODY FABRICATION AND ASSEMBLY FACILITY and CAR BODY INSPECTION AND TESTING FACILITY	As per IS 1642 : 1989, and NBC Table 1 fire resistance rating Type II which specifies 120 / 90 min fire rating paint required for columns,beam and framing. Kindly Confirm the Fire rating paint requirement .	Confirmed 120mins
528		MULTILEVEL CAR PARKING(OPTION-1) -MEC-I0047-01-48-D1-XX-8A&8B-DR-A-01100	As Per NBC 2016 Annex H Car parking Facilities ,built up area more than 3000 sq mtrs. Shall be protected by compartmentation but ours is more than the norms. Please do confirm.If yes kindly confirm the compartmentation shall be fire curtain or water curtain	No curtain system for fire suppression is envisaged.However, fire fighting pipelines with fire stand post along with landing valves at required interval (as per codal provision) to be provided for ensuring fire safety of the premises.
529		Office Complex (G+5)	As per NBC 2016, refuge areas are required for buildings exceeding 24m in height.Please confirm if refuge areas are needed for Office Complex	Refuge area has been done away with. Instead an emergency assembly point in front of manufacturing block has been earmarked. Refer revised master plant layout vide corrigendum-2.
530	Description of Facilities and Drawings	Inspection & Testing Building, Fabrication Building	We presume occupancy of Fabrication building is considered as 400 pax and Testing building is considered as 200 pax. Kindly confirm.	A total of 660 to 700 persons are expected to work in one shift in manufacturing block and testing block combined together.
531	Description of Facilities	Car Body Manufacturing Shop	Kindly provide the type of floor finish for the car body manufacturing shop in the grade slab and mezzanine floor. Also provide the floor flatness and tolerance requirements.	It is 3mm thick epoxy floor over RCC slab. Refer specification in corrigendum-2.
532	Description of Facilities (Page 8 of 269)	Car Body Manufacturing Shop & Inspection Shop	Kindly confirm the minimum thickness of grade slab and mezzanine deck slab, considering the the equipment/robot base anchoring depth.	200mm.
533	Description of Facilities (Page 76 of 269)	12.28 METHOD OF CONSTRUCTION b) Steel structures shall generally be of welded construction. Site connections shall be either by permanent bolts or by erection bolts followed by site welding.	We are presuming all connections are bolted type, for reducing the site welding activities. Kindly confirm whether site welding is required after bolting the connections.	It is the bidder to decide about the design & construction philosophy (welded/bolted) ensuring structural integrity and design validation.
534	Description of Facilities (Page 67 of 269)	12.1 GENERAL DESCRIPTION The Thickness of structural element will not be less than 8mm.	We presume that minimum thickness requirement is not applicable for SHS/RHS/CHS, Hot rolled Angles and Channels, please confirm.	Confirmed but subject to design validation.
535	Description of Facilities (Page 9 of 269)	Car body manufacturing shop – 1st Floor Bay 2 “2. This bay has been compartmentalized broadly in 2 stage i.e heavy equipment...”	Is there any specific deflection control requirement for the mezzanine floor system due to ASRS. Currently deflection criteria provided in IS 800 is being followed. Please confirm	ASRS is not in the scope of EPC tender.
536	Description of Facilities (Page 16 of 269)	2.3 Interbay Traversers The Metro & High-speed AI coaches will be dispatch from the eastern side of the inspection & testing bay by means of surface transport. A goliath crane has been proposed for lifting and lowering of the car from the dispatch bay to the trailer. Laying of combination track(BG & SG) between two traverser for ease and smooth movement of goliath crane.	Kindly specify the route, expected for transportation of Finished Coaches after loading from Goliath crane. Please locate in Master layout.	Please refer the revised master layout provided in the Corrigendum-1.
537	Description of Facilities (Page 15 of 269) Drawings, Page 3 of 42	2.3 Interbay Traversers • The Traverser will have area of 240m x 32m • The Traverser will have area of 160m x 32m Master Plan Layout MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100 • Traverser 1 : 120m x 32m • Traverser 2 : 75m x 32m	Dimensions of both Traversers are not matching in Master Layout and Description of Facilities. Please clarify.	Please refer the revised master layout is provided in Corrigendum - 1.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
538	BOQ - 1002 (Page 1 of 2)	Sr. No. 23 – Main Plant & Equipment Interlay Track Shifter (50T) – 1no.	1 no. of Interlay Track Shifter (50T) is included in scope. Kindly share the location and specifications for the same.	Track shifter is not the scope of EPC Tender.
539	Description of Facilities (Page 23 of 269) Drawings (Page 15 of 42)	6.3 Canteen Building "The ..... Equipped with Fully centralised air conditioning facility" Canteen Building Section Drawing	It is understood that Trussed roofing system will be provided over dining area in all three sides and the central kitchen area will be RCC cast-insitu structure. It is anticipated that all utility units such AHU etc will be placed over RCC Roof as there is no dedicated location indicated Ground floor. Kindly provide Roofing layout indicating the same.	The understanding of bidder is ok. AHU can be placed on RCC roof.
540	Description of Facilities (Page 62 of 269)	11.10 Concrete Mix "..... mixed with fly ash in allowable percentage meeting required properties in accordance with relevant IS codes."	As per GRIHA 3 star rating, kindly confirm whether percentage of flyash can be used for cement in Pavers, Roads, Plastering etc.	It is preferred that PPC of specified grade is used instead of mixing flyash in cement.
541	Description of Facilities (Page 22 of 269)	The infill material shall be AAC (Auto-Cleaved Aerated Concrete) blocks.	We presume IS 2185-3 (1984) shall be followed for the AAC Blocks. Kindly provide the grade, compressive strength, density of AAC blocks to be followed.	Compressive strength of AAC block should not be <50 Kg /cm <sup>2</sup> .
542	Description of Facilities (Page 22 of 269)	The infill material shall be AAC (Auto-Cleaved Aerated Concrete) blocks.	Kindly confirm whether flyash can be added for AAC masonry to achieve additional points for the Green Building.	No
543	Tender Notice, Page 41 of 152	Storm water drainage system min 0.8 m width & 0.8 m av depth – 4472 m	As per design & calculations, the storm water drainage system is exceeding (~2x) the Qty. indicated in the document. Kindly confirm whether to consider 4472m drainage length as per the tender document or the designed length as per the codal requirement.	In addition to the 4472m drainage length, additional drainage has been provisioned along sides road length mentioned in NIT.
544	Soil Report	Earth Resistivity details not provided in the document	Please share soil test report with Earth resistivity details.	Available Geotechnical investigation report conducted at project site has already been provided which may be used for bidding purpose. However, if bidder requires additional confirmation/ studies, they can carryout preliminary soil investigation at site on their own. The successful bidder is required to carryout their fresh investigation studies (required/ additional studies) to confirm and assess the strata before the designing of foundations.
545	Description of Facilities (Page 93 of 269)	F. LT POWER FACTOR COMPENSATION EQUIPMENT Sr. No. 2 in the Table Bank Rating in KVAR – Refer SLD	LT SLD referred in the table is not provided. Kindly share.	Capacitor Bank rating in KVAR shall generally be 30-40% of the transformer capacity, which will be finalised during detailed design stage.
546	Description of Facilities (Page 41 of 269)	6.10 CAR BODY MANUFACTURING CUM STORAGE BAY: Though supply of panels is not forming part of the scope of EPC contractor, he shall make suitable provision while doing roofing for ease of mounting of solar panels at a later date	As specified in this clause 6.10 about solar panels (for power generation), we assume supply of all other equipment and items for Solar Power System like, inverters, JB, Cabling and necessary accessories are not in Tender scope. Please confirm.	Yes, confirmed. However, suitable provision to be made during roof panelling of manufacturing block for easy and convenient mounting of solar panels on roof.
547	Description of Facilities (Page 109 of 269)	15.14 STREET LIGHT FITTING	Please confirm whether we need to consider street lighting for peripheral roads along the complete plot boundary. Kindly confirm.	Yes, confirmed.
548	Description of Facilities (Page 97 of 269) (Page 111 of 269)	Page no 97 of 269, HT/LT Cables: for LT cables specifications, "Cables for 415 V system shall be heavy duty, 1.1kV grade, PVC /XLPE insulated PVC sheathed aluminium conductor, double armoured type FRLS type". Page no 111 of 269, LT Power Cable: for LT cables specifications, "LV power cables will be 1.1 KV Grade heavy duty, PVC/ XLPE insulated, flat strip Armoured aluminium Conductor"	Please confirm whether we need to consider double armoured or single flat strip armoured.	Double Armoured cable to be used.

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
549	Description of Facilities (Page 114 of 269)	Socket Outlets	Please share Power Socket/Industrial Socket requirement for Car Body Assembly Building and Inspection & Testing Building.	On each and every column power socket/industrial socket in adequate quantity. Not less then 2 no's. is envisaged
550	Description of Facilities (Page 100 of 269)	Q. UN-INTERRUPTED POWER SUPPLY (UPS) "Dual parallel redundant system with provision...." "Each UPS set shall consist of common battery bank for 30 minutes back up..."	We assume parallel redundant system (1+1) with common battery bank of VRLA maintenance free (Dry) batteries for UPS. Kindly confirm.	Confirmed.
551	Description of Facilities (Page 139-140 of 269) Table 2 Description of Facilities (Page 204-205 of 269) Clause 22.2	Table 2 Equipment Capacities for Chillers Clause 22.2 The fresh water requirement of the plant is estimated at 53 m3/h (650 cum/day approx.).	Assuming 12 hours of operation per day, the makeup water indicated in Clause 22.2 (Page 204-205 of 269) does not match with actual requirement for the chiller capacity indicated in Table 2 (Page 139-140 of 269). Since the actual makeup water requirement shall be about 8-10 times (approx.) the value indicated in clause 22.2. Kindly confirm	Makeup water requirement for cooling tower may be worked out considering all losses to the tune of 2 cum/hour.
552	General – Input Data	Water Quality Parameter not provided	Kindly confirm whether the following water quality parameter for Cooling tower makeup, can be considered : pH: 6.5-7.5 TDS: < 50 mg/L Hardness: < 10 mg/L Please confirm.	Potable water quality with desirable limit as per IS 1055:2012 (re affirmed in 2023) will serve the purpose.
553	Description of Facilities (Page 7 of 269) (Page 9 of 269)	Clause 2.1 5) This bay has been provided with centralised gas line facility at regular interval between the column so that tapping can be made at any point to meet the gas requirement.	In the Car Body Fabrication & Assembly Shop, all the Gas point of Usage are only for the first floor (bay 1 and bay 3). Kindly confirm.	Yes, Confirmed
554	Description of Facilities (Page 7 of 269) (Page 9 of 269)	Clause 2.1 5) This bay has been provided with centralised gas line facility at regular interval between the column so that tapping can be made at any point to meet the gas requirement.	In the Car Body Fabrication & Assembly Shop, all the Gas point of Usage are at all columns of Grid A and Grid D, or Grid A, Grid B, Grid C and Grid D. Kindly confirm.	All four grids of manufacturing bays at first floor at every alternate column. This will be provided on both rows of columns of the bay. The system shall ensure continuous, safe and regulated supply of gases in manufacturing bays.
555	Description of Facilities (Page 43 of 269)	7.4 Centralized Gas Bank "Cylinder storage areas are segregated by gas type and arranged with safe clearances, bollards, and explosion-relief openings." "....a Centralised gas bank has been proposed for fulfilling the requirement."	We are considering only the gas cylinders for the industrial gases. Please confirm.	Yes, confirmed. Follow tender conditions.
556	Description of Facilities (Page 240, 241, 242, 243)	Basic Rate of Leatherite / Fabric : Rs. 600	Basic Rate of various items, provided in the documents does not have UOM, kindly provide the same.	The Unit of Measurement is Rs/running meter
557	Description of Facilities		Please provide the total number of point-of-use or take-off connections required for compressed air.	This will be required on first floor of each manufacturing bay take-off point shall be obtained every alternate column. This will be provided on A & D row of columns of the bay.
558	Description of Facilities		Is intumescent paint required for the main shop structure ?	Yes, Fire retardant paint is envisaged for the main shop structure.
559	BOQ	Interlay Track Shifter (50 t)-01 No	Kindly provide details	Interlay Track Shifter (50 t)-01 No is not required. Refer Corrigendum No. 1
560	Drawing / SOF,	Schedule of finishing	Kindly provide schedule of finishes of all buildings in the layout. As the given schedule of finishes is not given building wise.	Please refer Clause 10. SPECIFIC SCHEDULE FOR FINISHES in description of facilities in tender document. To be discussed
561	Waterproofing	Waterproofing	Kindly provide us with the details and specification and type of waterproofing needs to be considered.	All RCC building roofs are to be provided with PU (Poly Urethane), where in manufacturers specification for application to be followed
562	Façade DBR,---	Façade DBR	Please provide Façade DBR	Bidder to assess and finalize with BEML during the detail design stage
563	Façade Technical Specifications,	Façade Technical Specifications	Kindly provide the complete Façade Technical Specifications, including detailed specifications of all materials.	Bidder to assess and finalize with BEML during the detail design stage
564	Metal Roofing Specifications,---	Metal Roofing	Please provide the detailed metal roofing technical specifications, including material grade, thickness, coating system, profile type, insulation, and fixing details. Also, kindly confirm the specific blocks where the metal roofing system is proposed to be applied.	Bidder to assess and finalize with BEML during the detail design stage

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/Clarification by Customer
565	Metal Wall Specifications,---	Metal Wall	Please provide the detailed metal wall technical specifications, including material grade, thickness, coating system, profile type, insulation, and fixing details. Also, kindly confirm the specific blocks where the metal wall is proposed to be applied.	Bidder to assess and finalize with BEML during the detail design stage
566	Design Element,MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100	Entrance Areas	Kindly provide gate details at all locations. 10A. Main gate complex with security complex. 10B. Gate complex for Trucks/trailers - 2Nos 10C. gate complex for railway siding.	Gate details to be worked out by bidder themselves. These gates will be MS gates strong and sturdy with ease of operation and maintainance. These gates will be shot blasted after fabrication and painted with epoxy primer and paint of approved colour & shade.
567	Civil Works (Structure),Page 62 of 269	Clause 11.8 fire Resistance	It is mentioned that structure or structural element required to have fire resistance. Concrete covers in RCC structure shall be adopted for 2 hours Fire rating. Please confirm whether steel structure require Fire rating of 2 hours or shall be considered as per NBC.	NBC norms for the fire resistance rating Type II of Minimum 120 Minutes to be complied as per the tender document.
568	Description of Buildings/ Facilities and their broad specification,Page 70 of 269	Clause No. 12.12 Equipment Loading	Required Equipment loading & loading diagram for designing and constructing equipment foundations for heavy machinery, including vibration isolation requirements and provide detailed loading, Design Parameter.	G.F load- 3 KN/m <sup>2</sup> F.F load- 2 KN/m <sup>2</sup> . The floor loading as given above may be considered for submission of bid.
569	Description of Buildings/ Facilities and their broad specification,Page 69 of 269	Clause No. 12.5 Design Life & Standards - Structural design life of factory building/ 12.8 WIND DESIGN	The intended Design life of all the Structures including foundations considered shall be:50 years.  K1 = Risk Coefficient for All general buildings & Structures as per Table-1 Kindly confirm.	Yes
570	Drawings,Page 9 of 42	Drawing No. MEC-I/0047-01-31-D1-XX-02-DR-T-13200	Request detailed specification for the Goliath crane (50MT) girders, including dynamic load factors and fatigue considerations for the high-capacity cranes expected near the Car body fabrication & assembly Line Facility, for foundation design.	Refer page No. 246 under the heading of clause No. 27. Technical specifications of goliath crane. For foundation design and goliath yard has been marked in masterplan layout this area will house a goliath crane of span 8m and a capacity of 60T. The rail is to be laid for operation of goliath crane in a stretch of 60mtr measured from traverser end and this rails will be placed at equal distance from the centre line of combination track shown in the drawing. the yard is to be provided with RCC pavement of required grade and thickness to serve as dispatch area of metro coaches through road. The remaining / vacant area between the two traversers is to be developed as green belt area with provision of kerb stones and drainage wherever required.
571	Description of Buildings/ Facilities and their broad specification,Page 5 of 269	Clause No. 1.1 Building Functional Design-Dynamic Load Data	Please provide the dynamic load factors and maximum expected axle loads for the Vande Bharat and Metro coaches to be tested as this is critical for designing the reinforced concrete (RCC) floor and ensuring it can withstand peak vibration during high-speed rolling tests.	Axle load may be considered as 17T for the Vande Bharat as well as Metro coaches.
572	Description of Buildings/ Facilities and their broad specification,Page 5 of 269	Clause No. 1.1 Building Functional Design-Dynamic Load Data	Provide the layout for the Multi-Axial Fatigue Testing rigs. We need to know the depth and reinforcement requirements for the anchor plates and if specific "vibration-isolated" foundations are required to prevent structural resonance in the rest of the bay.	"Provide the layout for the Multi-Axial Fatigue Testing rigs" , un-connected query. Normally vibration isolation pads are supplied by machine manufacture themselves along with machine. In addition methodologies commonly exercised in construction for preventing transmission of vibration from machine foundation to adjacent structure may be required to put in place, the detail of which shall be shared when machine is procured during the course of execution.
573	Description of Buildings/ Facilities and their broad specification,Page 5 of 269	Clause No. 1.1 Building Functional Design-Inspection Pits	Please clarify the dimensions and drainage requirements for under-slung inspection pits. what are the specific requirements for oil-water separators in the connected drainage system?	Please refer Corrigendum-1 where in Inspection pit dimension in manufacturing bays at ground floor has been described.
574	Drawings,Page 8 of 42	Drawing No. MEC-I/0047-01-31-D1-XX-02-DR-T-13200-CAR BODY INSPECTION & TESTING LINE	Sectional details shows First Floor/ Mezzanine floor with concrete deck. Please specify the Loads to be considered in the First Floor/ Mezzanine floor	Floor loading for 1st floor is 2 t/sqm.
575	PHE ,Description of Facilities document	STP	There is a discrepancy between the water demand calculation and the STP capacity. Kindly review and clarify.	STP capacity is considered based on the present and future loadings.
576	PHE ,Page no 45 & Page no 206	Description of Facilities document	The document mentions an HDPE overhead tank for fresh water and flushing water on page no. 45. However, page no. 206 states that no recirculation system or overhead tank is envisaged for the pumps. Kindly confirm.	Purpose of Over-head tank mentioned at pg.No45 & 206 are not same please read carefully
577	General	DBR	Kindly provide the plumbing DBR & technical specification .	Bidder to assess and finalize with BEML during the detail design stage

**ANNEXURE-4**

**Financial Capacity of the Bidders**

Average annual turnover of the bidder during last three years (2022-23, 2023-2024, 2024-25)

**Average Annual Turnover of the bidder**

Sl. No.	Financial Year	Annual Turnover
1	2022-23	
2	2023-24	
3	2024-25	
4	Average Annual turn over for the Last 03 Years	

This is to certify that -----(name of the bidder), annual turnover shown above against the respective years is correct as by the accounts of the bidder

**Signature of statutory auditors/  
chartered accountant**

**Signature of CEO/ MD**

Seal of the firm Place  
Date

**Annexure- 13A**

**NO BLACK LISTED/BANNING CERTIFICATE**

**UNDERTAKING BY BIDDER**

This is to certify that \_\_\_\_\_ (Name of the Firm) has not been banned / black listed / debarred from Trade by the Procuring Organization or its Ministry/ Department from participation in its Tendering Processes in India.

I / we hereby certify that all the information given above is factual.

Signature with date of Authorized signatory Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Firm's Seal: \_\_\_\_\_