



संख्या : 54(166)/सी.ई.डी.-1/सि.नि.ए./2024/ 523 (एडि)

दिनांक : 05 / 09 / 2024

### MINUTES OF PREBID MEETING

**NAME OF WORK:** -Development of Botanical Garden of India Republic (BGIR) at NOIDA, Uttarpradesh on EPC mode.

**NIT No. :** 8/2023-24/CE/CCU/CED1/NOIDA (2<sup>nd</sup> call)

The pre-bid meeting for the above-mentioned work was held in the office of CE, CCU, 7th floor, Pt. Deendayal Antyodaya Bhawan, CGO Complex, Lodhi Road, New Delhi -110003 at 11:00 Hrs. on 30.08.2024. Following officers and bidders attended the pre-bid meeting –

1. Shri Mukesh Kumar, Superintending Engineer, CCU
2. Shri Daulat Ram, Executive Engineer (P), CCU
3. Shri Sandeep Chauhan, Scientist-E & In-charge, BGIR
4. Shri Jaswinder Pal, Executive Engineer, CED-I, CCU
5. Shri Aman Gulia, Assistant Executive Engineer(P)-I, CCU
6. Shri B. K. Biswas, Assistant Engineer (E)(P)-II, CCU
7. Shri Rakesh Kumar, Assistant Engineer(P)-II, CCU
8. Shri Bhim Singh Chauhan, Assistant Engineer(E), CED-I, CCU
9. Shri Subhash Tomar, Assistant Engineer(P), CED-I, CCU
10. Shri Vaibhav Bhangale, Consultant, M/s Vyom
11. Shri Arun Dayal, Consultant, M/s Vyom
12. Shri Akash Kumar, Project Engineer, M/s Vyom
13. Shri Ankit Tyagi, DGM (E), SAM(India) Infra
14. Shri Akhilesh Kumar, Executive Director, SAM(India) Infra
15. Shri Nitesh Yadav, Assistant Manager, SAM(India) Infra

The queries were raised by representatives of M/s Sam India Infrastructure LLP. The queries of **M/s Inderjit Mehta Construction Pvt. Ltd.** were received through email dated 29.08.2024. These were explained to bidders present in the meeting. After discussions, SE, CCU requested all the bidders present in the meeting to examine the tender documents properly and submit their queries, if any, by 31.08.2024 upto 5 PM. The clarification to pre-bid queries is issued as under:

S. No.	Reference to NIT page No.	Clause	Queries/ Observations	Clarification/reply
	<b>M/s Inderjit Mehta Construction Pvt. Ltd. vide e-mail dated 30.08.2024 (Letter no. IJM/Tender/CPWD/Noida/02 dated 29.08.2024)</b>			
1	Tree Cutting Approval Page 20, Para 5	Cutting/ transplantation of existing trees after obtaining approval	a. Please clarify if the placing of buildings and other infrastructure works	a. No

		of tree cutting from concerned authority e.g. local body/ forest department.	are planned as per existing location of trees. b. Please provide the no. of trees that need to be transplanted / terminated.	b. The site is being handed over to the contractor on as-is, where-is basis. The bidder can visit the site to access the no. of tree to be transplanted / felled. The contractor shall carry out the compensatory plantation (including maintenance of planted trees) in lieu of felled/cut trees as per stipulation of NOC/permission granted by concerned competent authority for cutting of trees. Contractor shall be responsible to adhere the terms of NOCs/Approvals granted by various statutory authorities. Tendered rates/amount of contractor is deemed to be inclusive of these conditions.  c. The trees will be transplanted within the campus of BGIR as per zoning of plants.
2	STP Page 548	Scope of this sub head covers planning, designing, supply, installation, testing and commissioning of MBBR based STP for the complex based on the norms	Please clarify the scope of sewerage network of the complex.  As the location of public toilets are given in different parts of the complex and location of STP is given in Zone 8C (Forest Area). Please	The contractor shall carry out the detailed engineering and corresponding execution of sewerage network in such a manner that all the buildings and public toilets coming within 100-meter distance

			clarify the piping and infrastructure scopes.	from these buildings are connected to STP.  The public toilets beyond 100-meter distance, may be provided with the septic tank with soak pit.
3	Site Office Page 145	The site office accommodation shall be provided with all necessary furniture, fitted with all electrical items	List of Furniture items for the site office building is not given, please clarify. Please also clarify, if this building is going to be dismantled by the contractor and at what stage dismantling will be done.	All furniture such as Executive Tables, Conference Table for 20 persons, Executive Chairs, Visitor Chairs, Storages etc. as per requirement and drawing approved by Engineer in-charge site office is not to be dismantled.
4	3D views		Please provide 3D views of building for understanding of elevation requirement.	All the conceptual drawings are available on link provided in NIT at page No. 13.
5	UGT storage Page 243	Terrace Tank- RCC water storage tank for Service tank, Fire Fighting, Treated/domestic Water shall be provided of adequate capacity	Please provide the daily water demand for the complex.	The capacity of RCC water tanks shall be designed by the bidder during the detailed engineering phase as per NBC 2016 and considering the brief particulars of work mentioned in the NIT.
6	UGT storage Page 243	UGT Storage: Underground water tank storage of minimum 2 days of daily water demand shall be provided.	Please provide the daily water demand for the complex.	The capacity of underground water tanks shall be designed by the bidder during the detailed engineering phase as per NBC 2016 and considering the brief particulars of work mentioned in the NIT.
7	RO water Page 243	R.O. Water- Localised RO units shall be provided in	Please clarify location and numbers of installing the RO units.	For minimum quantity of RO Units, please refer to para 15 & 16 at page 414 of

		order to meet the project requirement.		tender. The location shall be decided during detailed design of the buildings and campus and considering the brief particulars of work mentioned in the NIT.
8	Soil report		Please provide the soil report of the project.	The soil investigations report is appended in the NIT for indicative purpose only. Contractor shall also under take soil investigation. In case of variation in the reports, safer parameters will be adopted for design purpose.
9	Cable Page 436	d. Cable size calculations shall be done for voltage drop of not more than 4% at peak designed current rating of cable. whereas as per page no 452  m. The cable sizing shall be done on the basis of maximum demand and voltage drop to be kept within 5%.	Please clarify for cable size calculation purpose voltage drop factor to consider is 4% or within 5%.	The cable sizes shall be designed on the basis of maximum demand and considering voltage drop within 5%.
10	Cable Page 450	6. HT panel and transformers shall be connected through 3 core 11 KV HT XLPE(E) Cable of minimum size 240 sq.mm. whereas at page 451  b. HT Panel and transformers will be connected through three core 11 KV HT	Please clarify which one to follow for HT panel and transformer 3x240 sqmm or 3x300 sqmm.	HT Panel and transformers will be connected through three core 11 KV HT XLPE(E) of minimum size 3X240 sq.mm.

		<p>XLPE(E) of minimum size 3X300 sq.mm. and on page no 454</p> <p>(1) The incoming and outgoing power connections shall be through 11 KV 3core x 300 Sq.mm aluminum armoured XLPE(E) cable.</p>		
11	Sandwich type bus duct Page 450	<p>7. Transformer and main LT panel will be connected with sandwich type bus duct of minimum 1600 amps 50ka. whereas at page 458</p> <p>Bus trunking and rising mains</p> <p>c. Major bus trunkings shall be as follows:</p> <p>(i) Between each Transformer and main MV panel (normal supply) 3200 A</p>	Please clarify which one to follow for Transformer and main LT panel 1600A or 3200A.	The rating of Bus duct shall be selected in line with the Transformer rating, after detailed engineering by contractor.
12	Connection Page 450	<p>2. Two sources of electric connection will be taken from UPPCL/ local electric supply agency.</p>	Please share the distance between the tapping point of UPPCL and BGIR HT panel Room / complex.	The UPPCL connection will be provided at service gate near UPPCL sub-station and the BGIR HT panel Room /sub-station is proposed behind toilets near conservatories (Please see drawing no. VYM-BGIR-ARC-STE-001-site master plan). The contractor will verify the distance between the tapping point of UPPCL and BGIR HT panel Room/complex at his own.

13	FRLS Copper wiring in Heavy duty PVC/ Medium class steel conduit Page 406	<p>2. FRLS Copper wiring in Heavy duty PVC/ Medium class steel conduit i/c light/fan/call bell/exhaust fan points of all categories, power points, circuit wiring and sub main wiring with modular switches &amp; sockets i/c modular plates and suitable GI boxes in all areas as required.</p> <p>whereas at page 435</p> <p>2. Conduit/switches: a. All internal electrical works shall be carried out with steel conduits and accessories. shall be provided. in places where conduiting is not possible suitable size XLPE armoured cable may be laid maintaining the aesthetic of the building</p>	Please clarify which one to use, Heavy duty PVC/ Medium class steel conduit as per description or steel conduits only for all internal electrical work.	Shall remain as per NIT.
14	APFC Panel Page 450	<p>10.3 no APFC Panel each of minimum 250 KVAR with 7% detuned filters</p> <p>whereas at page 452</p> <p>1. The two number APFC panel shall be provided on two sections of main LT panel and having tripping arrangement in case of DG supply in the main panel.</p>	Please clarify whether to consider 3 nos. APFC panels or 2 nos. APFC panel.	Minimum 3 nos. of the APFC panels shall be considered. However, same shall be finalised during the detailed engineering stage.




15	Pump House Page 471	D. Pump House	Electric pump for sprinkler system is not given whereas Electric Jockey Pump (180LPM) for sprinkler system is given. Need to add the electric pump for the system. Please review.	The same shall be provided as per detailed engineering phase and statutory norms considering the minimum project requirements
16	ROOP TOP SOLAR PV POWER PLANT Page 559	1. 1500 KWp grid interactive Ground mount (on vehicle parking shed at scattered places) photo voltaic solar plant. Whereas at page 560  6. a. Minimum capacity of Roof Top Solar System: 1800 KWp	Please clarify whether to consider Minimum capacity of Roof Top Solar System 1500 KWp or 1800 Kwp.	Photo Voltic power generation shall be 1800KWp including roof top solar system.

<b>M/s SAM INDIA INFRASTRUCTURE</b>			
1.	Whether there is any change in tender documents from the previous tender called for this work.		Tender is recalled compiling the original NIT, Corrigendum / Addendum. However, the bidder shall read the entire bid document before quoting the rates.
2	Page 450 of NIT, para D2.1, sub-para 13	Clarification is required for actual size of UG cable required for power supply from main LT panel to different outdoor feeder pillars.	The UG cable size given in tender document is minimum. The bidder shall design for the requirements with detailed calculation as per specifications mentioned in tender document. Actual size of cable shall be based on the detailed design.
3.	Page No. 345 of NIT, Schedule of Horticulture	Many plants given in schedule of Horticulture are not viable	The plant species given in the NIT have been meticulously worked out by the Botanical Garden of India Republic botanists. The growing conditions of

			the various zones of the garden are to be conditioned such that the plant/tree species become viable in project. However, if any changes are required, the same shall be dealt with as per contract conditions.
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All other terms and conditions (except as detailed above) of the NIT shall remain unchanged. Minutes of Pre-bid meeting shall form part of the bid documents.

Enclosed : Soil Investigation Report (283 pages)

  
Executive Engineer, CED-I,  
CCU, MoEF&CC, New Delhi.

Copy to:

1. The Chief Engineer, CCU, MoEF&CC, New Delhi for information please.
2. The Superintending Engineer, CCU, MoEF&CC, New Delhi for information please.
3. NIT No. 8/2023-24/CE/CCU/CED1/NOIDA.
4. For website: <https://etender.cpwd.gov.in>, <https://moef.gov.in>, <https://bsi.gov.in>
5. Notice Board.

  
Executive Engineer, CED-I,  
CCU, MoEF&CC, New Delhi