



National Horticulture Board

Ministry of Agriculture & Farmers Welfare
Plot No.85, Sector 18, Institutional Area,
Gurugram, Haryana- 122015, India
Ph. 0124-2347441, Fax: 2342991
www.nhb.gov.in

Request for Proposal (RFP) for the engagement of Construction Management Agency (CMA) for construction, fabrication & maintenance of India Pavilion Garden at the Expo Doha 2023.

Ref No.: NHB/Expo 2023 Doha/CMA/ 2023
Issued on: 19.07.2023

Table of Contents

Section	Contents	Page
I	REQUEST FOR PROPOSAL LETTER	
1.	Request for Proposal Letter (RFPL)	4
2.	The RFP Document	4
2.1	Bidders must read the complete 'RFP Document'	4
2.2	Availability of the RFP Document	5
2.3	Clarifications	5
3.	Eligibility and Qualification Criteria for Participation in this RFP	5
4.	Purchase Policies of the Government	5
5.	Pre-proposal Conference	5
6.	Submission and Opening of Proposals	5
Appendix I	Schedule of Bidding Process	6
II	INSTRUCTIONS TO BIDDERS	
1.	Preparation of Bid	7
2.	Cost of Bid	7
3.	Clarifications by Bidders	7
4.	Communications to Nodal Officer, NHB	7
5.	Pre-Proposal Conference	8
6.	Format and Signing of Bid	8
7.	Earnest Money Deposit (EMD)	8
8.	Submission of Bids	9
9.	Purchase policies of the Government	10
10.	Opening of Evaluation of Technical Bids	10
11.	Opening of Evaluation of Financial Bids	10
12.	Right to accept any Bid and to reject any or all Bid	11
13.	Award of Contract	11
14.	Deviations	11
III	GENERAL CONDITIONS OF CONTRACT (GCC)	
1.	General Information	12
2.	Contract documents and their precedence	12
3.	Interpretations	12
4.	Modifications/ Amendments, Waivers and Forbearances	13
5.	Governing Laws and Jurisdiction	14
6.	Communications	14
7.	Obligation to Maintain Eligibility and Qualifications	16
8.	Consequences of breach by Constituents of a Successful Bidder	16
9.	Assignment and Sub-contracting	16
10.	For Losses and Damages Caused by Successful Bidder	17
11.	Confidentiality, Secrecy and Property and IPR Rights	17
12.	Permits, Approvals and Licenses	19

Section	Contents		Page
13.	Legal Compliance		19
14.	Custody and Return of the NHB's Assets loaned to Successful Bidder		19
15.	NHB's Obligations		20
16.	Scope of Services and Performance Standards		20
17.	Deployment of Resources		21
18.	Time Schedule for Deliverables		21
19.	Severability		21
20.	Relationship between Parties		22
21.	Arbitration		22
22.	Tax		22
23.	Performance Bank Guarantee		22
24.	Conflict of Interests		23
IV	TERMS OF REFERENCE (TOR)		
1.	Implementation Arrangements		25
2.	Responsibilities of National Horticulture Board		25
3.	Scope of Work for Construction Management Agency (CMA)		26
4.	Payment Terms		28
5.	Key professional staff and requisite minimum qualification		29
V	ELIGIBILITY & SCORING CRITERIA		
1.	Pre- Eligibility Criteria		30
2.	Scoring Criteria		31
Forms – Technical Proposal			
1.	Annexure – I	Format of Bid Security Declaration	33
2.	Annexure-II	Form of Technical Bid Submission Letter	34
3.	Annexure-II(a)	Profile of Agency/ Organization	35
4.	Annexure-III	Bidder's Authorization Certificate	36
5.	Annexure-IV	Undertaking	37
6.	Annexure-V	CV Format	39
7.	Annexure-VI	Details of similar nature of Work Experience/ Contracts	40
8.	Annexure-VII	Financial Information of Bidder's Organization	41
9.	Annexure-VIII	Format of Pre-proposal Query	42
10.	Annexure- IX	Format of Performance Bank Guarantee	43
Forms – Financial Proposal			
1.	Annexure- X	Form of Financial Bid	45
Pavilion Drawing and BoQ			
1.	Annexure- XI	Pavilion Drawing and BoQ	46

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Ref No.: NHB/ Expo 2023 Doha/ CMA/ 2023

Dated: 19.07.2023

SECTION I: Request for Proposal Letter (RFPL)

1. Request for Proposal Letter (RFPL)

National Horticulture Board (NHB) is an Autonomous organization under the administrative control of Ministry of Agriculture and Farmers Welfare (MoA&FW), Govt. of India. The broad aims and objectives of the NHB are to develop production clusters/hubs for integrated Hi-tech commercial horticulture, establishment of post-Harvest and cold chain infrastructure, ensuring availability of quality planting material and to promote adoption of new technologies/tools/ techniques for Hi-tech commercial horticulture etc. For more details, web portal www.nhb.gov.in may be visited.

Horticultural Expo 2023 Doha, Qatar will be the first International Horticultural Exhibition to be held in the Middle East and North Africa region. It adopts the theme of "**Green Desert, Better Environment**", which aims to inspire and inform people about innovative solutions with the aim to mitigate and reduce desertification. Expo Doha 2023 will open its doors on 2 October 2023 and host a 179-day celebration during the mild Qatari winter on an area of 170 hectares, until its conclusion on 28 March 2024.

The Ministry of Agriculture & Farmers Welfare, Govt. of India has decided to participate in Expo Doha 2023 through NHB in the Outside Pavilion category. The Exhibition Authorities have allotted a space of 1279 SQM. to Govt. of India to set up India Pavilion Garden at the Expo 2023 Doha. The Pavilion and Garden are to be made ready by September end 2023.

NHB intends to appoint Construction Management Agency (CMA) for construction, fabrication & maintenance of India Pavilion Garden at the Expo 2023 Doha. Therefore, NHB is inviting reputed agencies with proven experience in construction, fabrication, execution, supervising of the entire construction and further maintenance for a period of 8 months (*i.e., during the entire course of the exhibition and till the dismantling of setup maximum by 08th April 2024*).

2. The RFP Document

2.1 Bidders must read the complete 'RFP Document'

This RFPL, an integral part of the RFP Document, serves the limited purpose of invitation and does not purport to contain all relevant details for submitting Proposals. Bidders must go through the complete RFP Document for details before submission of their Proposals.

2.2 Availability of the RFP Document

RFP document may be downloaded from www.indianembassyqatar.gov.in (website of the Indian Embassy at Doha, Qatar), www.nhb.gov.in (website of NHB) and www.eprocure.gov.in (government e-publish portal)

2.3 Clarifications

Bidders requiring any clarification on the RFP Document may submit their queries through email at dd.it.nhb@gov.in and dcm.doha@mea.gov.in before the date mentioned in the Schedule of Bidding Process at [Appendix I](#) (Page no.6).

3. Eligibility and Qualification Criteria for Participation in this RFP

The Technical Proposal of the bidder would be evaluated as per the eligibility and qualification criteria set out in the RFP document. Section V (Page no.30) may be referred for further details.

4. Purchase Policies of the Government

No relaxation in Prior Turnover and Experience is being provided to Startups considering the scale of the assignment. Section II (Page no.10) may be referred for further details.

5. Pre-Proposal Conference:

The Pre-Bid Conference will be conducted virtually on the date and time specified in schedule. Section II (Page no.8) may be referred for further details.

6. Submission and Opening of Proposals:

The Bidders shall submit the Hard copy of Bid document in **sealed cover** (as defined in Section II) supported with prescribed documents as per annexures mentioned in RFP document along with a digital copy of technical bid only in Pen Drive is to be submitted to the following address latest by 02.08.2023 up to 16.00 hours (Doha, Qatar Time):

Charge d'Affaires a.i. & Counsellor (Political & Commerce)
Embassy of India, Doha
Villa No 86 & 90, Street No. 941,
Al Eithra Street, Zone 63,
Onaiza, P.O. Box 2788, Doha - Qatar.
Email: dcm.doha@mea.gov.in

Note: For further details, please refer to the complete RFP Document.

C.P. Gandhi
Deputy Director
Phone: 0124-2343348
Email: dd.it.nhb@gov.in

Appendix I**1. Schedule of Bidding Process**

NHB would endeavour to adhere to the following schedule:

#	Activity Description	Dates and Time*
1.	RFP Publish date	Day 0 (19.07.2023)
2.	Clarification start date	Day 0 (19.07.2023)
3.	Clarification end date and time	Day 04 (22.07.2023) till 1700 Hrs
4.	Pre-Bid Conference by Virtual Platform	Day 06 (24.07.2023) at 1500 Hrs
5.	Response (in writing) to Queries by O/o NHB	Day 10 (28.08.2023)
6.	Last Date & Time for uploading of Bids	Day 15 (02.08.2023) till 1600 Hrs
7.	Date for presentation by Applicants	To be notified later
8.	Date for Opening of Financial Bids	To be notified later

*Timing as per Doha, Qatar

SECTION II: INSTRUCTIONS TO BIDDERS

1. Preparation of Bid

- 1.1 **Language:** Bids and all accompanying documents shall be in English language. In case any accompanying documents are in other languages, it shall be accompanied by an English Translation. The English version shall prevail in the matters of interpretation.
- 1.2 **Form of Bid:** The form of bid shall be completed in all respects and duly signed and stamped by an authorized representative of the Bidder. Relevant power of attorney for signing the bid should be attached with the Technical Proposal.
- 1.3 **Currencies of Bid and Payment:** The bidder shall submit its financial bid in Qatari Riyal and payment under this contract will be made in Qatari Riyal.
2. **Cost of Bid:** The bidder shall bear all costs associated with the preparation and submission of bid/ required documents and NHB/ Embassy of India in Doha, Qatar in no case shall be responsible or liable for those costs, regardless of the conduct or outcome of the RFP process.

3. Clarifications by Bidders

- 3.1 Bidders requiring any clarification on the RFP Document may submit their queries via email at dd.it.nhb@gov.in and dcm.doha@mea.gov.in before the date mentioned in the Schedule of Bidding Process at [Appendix I](#) (Page no.6).
- 3.2 The NHB/ Embassy of India in Doha, Qatar shall endeavor to respond to the queries within the period specified therein but not later than the date specified in the [Appendix I](#) (Page no.6). The NHB and Embassy of India in Doha, Qatar will post the reply to all such queries on websites of NHB and Embassy of India in Doha, Qatar and the same shall be shared with prospective bidders via return email without identifying the source of queries. NHB/ Embassy of India in Doha, Qatar shall not be held responsible in any manner if prospective Bidders miss any notifications placed on websites/ procurement portal.
- 3.3 The NHB/ Embassy of India in Doha, Qatar reserves the right not to respond to any questions or provide any clarifications, in its sole discretion, and nothing in this Clause 3 shall be construed as obliging the NHB to respond to any question or to provide any clarification.

4. Communications to Nodal Officer

Communications, including the envelopes (if any) must contain **“RFP for engagement of Construction Management Agency (CMA) for the construction, fabrication & maintenance of India Pavilion Garden at the Expo 2023 Doha”** and to be marked at the top in bold letters:

<p>Charge d’Affaires a.i. & Counsellor (Political & Commerce) Embassy of India, Doha Villa No 86 & 90, Street No. 941, Al Eithra Street, Zone 63, Onaiza, P.O. Box 2788, Doha - Qatar. Email: dcm.doha@mea.gov.in</p>	<p>Mr. CP Gandhi, Deputy Director (Coordination) National Horticulture Board (Board) Ministry of Agriculture & Farmers Welfare Plot No.85, Sector 18, Institutional Area, Gurugram, Haryana- 122015 Mobile: +91 8800103799 Email: dd.it@nhb.gov.in</p>
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5. Pre-Proposal Conference

- 5.1 The Pre-Bid Conference will be conducted virtually on the date and time specified in [Appendix I](#) (Page no.6). The advisory along with details of meeting link will be uploaded on web: www.indianembassyqatar.gov.in, www.nhb.gov.in, www.eprocure.gov.in and the same shall be shared with prospective bidders via return email prior to the meeting schedule.
- 5.2 Prior to the Pre-Proposal meetings, the Bidders may submit a list of queries and proposed suggestions, if any, to the RFP requirements.
- 5.3 Bidders may note that NHB may not entertain any deviations to the RFP document at the time of submission of the Proposal or thereafter. The Proposal to be submitted by the Bidders will be unconditional and qualified and the Bidders would be deemed to have accepted the terms and conditions of the RFP document with all its contents. Any conditional Proposal shall be regarded as non-responsive and would be liable for rejection.
- 5.4 In case of any change in the schedule of Pre-Proposal Meeting, the same will be communicated to Bidders through posting on www.indianembassyqatar.gov.in, www.nhb.gov.in , www.eprocure.gov.in and the same shall be shared with prospective bidders via return email.

6. Format and Signing of Bid

- 6.1 The documents comprising the bid shall be typed and all pages of the bid shall be signed by a person duly authorized to sign on behalf of the bidder.
- 6.2 The Bidders shall submit the Proposal with all pages numbered serially and by giving an index of submissions.
- 6.3 The bid shall contain no alternations, omissions, or additions except those to comply with instruction issued by NHB or are necessary to correct errors made by the bidder, in which case such corrections shall be initialed/signed by the person signing the bid.

7. Earnest Money Deposit (EMD)

- 7.1 Applicants are required to submit the bid security declaration in place of EMD equivalent to 36,000 Qatari Riyal as per the format enclosed at [Annexure I](#) (Page no.33).
- 7.2 Bids not accompanied with the bid security declaration are summarily rejected.
- 7.3 The Authority shall take the appropriate action against the bidder in the following events:
- 7.3.1 If the proposal is withdrawn during the validity period or any extension agreed by the Applicant thereof.
 - 7.3.2 If the proposal is varied or modified in a manner not applicable to the Department after opening of proposal during the validity period or any extension thereof.
 - 7.3.3 If the Agency tries to influence the evaluation process.

8. Submission of Bids

- 8.1 The bidder is expected to examine all instructions, forms, terms, and conditions in the RFP document. Failure to furnish all information required by the RFP document or submission of a bid not substantially responsive to the RFP document in every respect will be at the bidder's risk and may result in rejection of his bid.
- 8.2 The bidder shall not make or cause to be made by any alternation, erasure etc. to the text of the RFP document.
- 8.3 The Bidders shall submit the Hard copy of Bid document in sealed cover supported with prescribed annexures along with a digital copy of technical bid only in Pen Drive is to be submitted to the following address latest by ____ .08.2023 up to 1600 hours (Doha Time):

Charge d'Affaires a.i. & Counsellor (Political & Commerce)
Embassy of India, Doha
Villa No 86 & 90, Street No. 941,
Al Eithra Street, Zone 63,
Onaiza, P.O. Box 2788, Doha - Qatar.
Email: dcm.doha@mea.gov.in

- 8.4 The bid must remain valid and open for acceptance for a period of 60 days from the date of opening of Bid. The validity period may be extended further, in case required, after obtaining approval by Competent Authority, NHB
- 8.5 The envelopes "A", "B" and "C" containing Bid documents duly superscribed with Name of Work on all the envelopes **"RFP for engagement of Construction**

Management Agency (CMA) for the construction, fabrication & maintenance of India Pavilion Garden at the Expo 2023 Doha” are to be put in another **sealed envelope** with the name of work written on this envelope.

- 8.6 The envelope “A” containing Bid Security Declaration shall be opened first. Bidders who have submitted shall be considered successful for opening of Technical Bid. Technical bids (Envelope B) of successful bidders shall be opened thereafter.
- 8.7 Both Envelopes (Bid Security Declaration and Technical bid) shall be opened at notified date and place. The bidder may like to participate in the Technical bid meeting if they desire to do so. After evaluation of Technical Bids, a list of qualified bidders will be prepared by the Authority.
- 8.8 Qualified bidders will be informed and Financial Bid (Envelope C) of qualified bidders shall then be opened after intimating the status of Technical Bid and schedule for opening of Financial Bids to the bidders. Bidders or their representatives may like to participate in the financial bid meeting. Envelope “C” should contain Financial Bid as per the format annexed. (Page no.45).

9. Purchase Policies of the Government

- 9.1 No relaxation in Prior Turnover and Experience is being provided to Bidders (Startups etc.) considering the requirement and scale of the assignment.

10. Opening and Evaluation of Technical Bid by Evaluation Committee

- 10.1 The “Technical Proposals” shall be opened first on the date and time specified in bidding schedule. The “Financial Proposals” shall remain unopened in the portal, until the subsequent public opening following the evaluation of the Technical Proposals.
- 10.2 The Technical Proposal of the bidder would be evaluated as per the eligibility criteria set out in the RFP document, whether these are compliance in all respects. Bids will be evaluated based on the information submitted by bidder. However, NHB/ Embassy of India in Doha, Qatar reserves the right to seek clarification/ documents from the bidders, if NHB considers it necessary for proper assessment of the bid.
- 10.3 The Technical Bids will be evaluated based on eligibility criteria and only those Bidders whose Technical Proposals get a score of 60 (sixty) marks or more out of 100 (one hundred) shall qualify for further consideration and shall be ranked from highest to the lowest based on their technical score (St).

11. Opening and Evaluation of Financial Bid by Evaluation Committee

- 11.1 A date and time will be notified to all Bidders for announcing the result of evaluation and opening of Financial Proposals via email.
- 11.2 The quoted price shall be firmed and fixed for the entire duration of the contract period.

- 11.3 The selection of the bidder shall be based on Quality Cost Based Selection (QCBS) method in which weightage of Technical score shall be 70% and weightage of Financial score shall be 30%.
- 11.4 The lowest quoted Financial Proposal (Fm) is given the maximum financial score (Sf) of 100. The financial scores of other Proposals will be computed as follows:
$$Sf = 100 \times Fm/F$$

(F = amount of Financial Proposal)
- 11.5 Proposals will finally be ranked according to their combined technical (St) and financial (Sf) scores as follows: **S = St x 70% + Sf x 30%.**
- 11.6 The Bidder having the highest combined score shall be the successful Bidder and Letter of Award (LoA) shall be issued by NHB.

12. Right to accept any Bid and to reject any or all Bids

- 12.1 NHB/ Embassy of India in Doha, Qatar is not bound to accept the bid or any bid and may at any time by giving notice in writing terminate the RFP process.
- 12.2 NHB may terminate the contract/ cancel the LOA if it is found that the bidder is blacklisted on previous occasions by any of the central/ state government.
- 12.3 NHB may also terminate the contract/ cancel the LOA in the event the Successful Bidder fails to furnish the performance security or fails to execute the agreement.

13. Award of Contract

- 13.1 NHB will award the contract to the Successful Bidder to perform the contract satisfactorily as per the terms and conditions incorporated in the RFP document.
- 13.2 This letter (hereinafter and in the condition of contract called the "Letter of Award") shall prescribe the amount which NHB will pay to the Successful Bidder in consideration of the execution of work/ services by them as prescribed in the contract.
- 13.3 The Successful Bidder will be required to commence the assignment at the earliest as communicated by NHB in this regard.
- 13.4 However, NHB reserves the right to reject any or all the offers without assigning any reason whatsoever.

14. Deviations

The successful bidder shall not make any addition, alteration or omission from the works as described in the documents which have been offered by the NHB. If in case any given details are found to be in contrast to the sound engineering practice, it is the successful bidder responsibility to bring out the same to the notice of the

NHB and obtain written instructions on such amendments/ clarification so as to produce structurally sound products.

SECTION III: GENERAL CONDITIONS OF CONTRACT (GCC)

1. General Information

a) Definitions

- a) The following words and expressions shall have the meanings assigned to them except where the context otherwise requires:
- b) “NHB” means the National Horticulture Board (NHB) and legal successors to the NHB and permitted assignees.
- c) “BIDDER” means body incorporated in India under the Companies Act, 1956/2013 including any amendment thereto OR a partnership firm registered in India OR a proprietary firm registered in India OR consortium / joint venture.
- d) “CONTRACTOR/CONSTRUCTION MANAGEMENT AGENCY” means the body that will be awarded the contract of the construction of the India pavilion.
- e) “PROJECT EXECUTION AGENCY (PEA)” means the body that will be awarded the contract for the designing, planning and management of the India pavilion.
- f) “EMBASSY” means the Embassy of India at Doha, Qatar.
- g) “DAY” means a calendar day.
- h) “FEES” means the amount of money to be paid to the CMA by the NHB for SERVICES rendered by the CMA to the NHB.
- i) “SERVICES” means the services to be performed by the CMA as per scope of work given by NHB.
- j) “EFFECTIVE DATE” shall be the date of issuance of Letter of Award by NHB to the Bidder whichever is earlier.

2. Contract Documents and their Precedence

The following conditions and documents in indicated order of precedence (higher to lower) shall be considered an integral part of the contract, irrespective of whether these are not appended/ referred to in it. Any generic reference to ‘Contract’ shall imply reference to all these documents as well:

- a) Appendix A: Work Order/ Letter of Award (LoA)
- b) Appendix B: Valid and authorized Amendments issued to the contract.
- c) Appendix C: RFP document containing all Terms of References.
- d) Appendix D: Key Experts.
- e) Appendix E: Proposal submitted by the Successful Bidder
- f) any other document listed in the contract as forming part of this Contract.

3. Interpretations:

- a) The headings and subtitles are included in this Work Order are solely for convenience and shall not be deemed to be part of it and shall not affect the interpretation, meaning or operation of the Scope.
- b) The singular includes the plural, the masculine includes the feminine, and vice-versa, where the context so requires.
- c) References to particular clause, paragraph, subparagraph or attachment shall, except where the context otherwise requires, be a reference to that clause, paragraph, sub-paragraph or attachment in or to these conditions.
- d) The words “including” and “include(s)” are not to be construed as words of limitation.
- e) Whenever provision is made for the giving of notice, approval, or consent by any person, unless otherwise specified, such notice, approval or consent shall be in writing and the words ‘notify’ and ‘approve’ shall be construed accordingly.

4. Modifications/ Amendments, Waivers and Forbearances

a) Modifications/ Amendments of Contract

After the contract documents have been signed, no modified provisions shall be applicable unless the NHB suo-moto or, on request from the successful bidder, by written order, amend the contract, at any time during the period of the contract, by making alterations and modifications within the general scope of the Contract. Requests for changes and modifications in the Contract may be submitted in writing by the successful Bidder to the NHB.

If the Successful Bidder does not agree to the suo-moto modifications/ amendments made by the NHB, he shall convey his views within 14 days from the date of amendment/ modification. Otherwise, it shall be assumed that the Successful Bidder has consented to the amendment.

Any verbal or written arrangement abandoning, modifying, extending, reducing, or supplementing the contract or any of the terms thereof shall be deemed conditional and shall not be binding on the NHB unless and until the same is incorporated in a formal instrument and signed by the Successful Bidder, and till then the Successful Bidder shall have the right to repudiate such arrangements.

b) Waivers and Forbearance

The following shall apply concerning any waivers, forbearance, or similar action taken under this Contract:

- i. Any waiver of a Successful Bidder’s rights, powers, or remedies under this Contract must be in writing, dated, and signed by an authorized representative of the NHB granting such a waiver and must specify the terms under which the waiver is being granted.

- ii. No relaxation, forbearance, delay, or indulgence by NHB in enforcing any of the terms and conditions of this Contract or granting of an extension of time by NHB to the Successful Bidder shall, in any way whatsoever, prejudice, affect, or restrict the rights of NHB under this Contract, neither shall any waiver by NHB of any breach of Contract operate as a waiver of any subsequent or continuing breach of Contract.

5. Governing Laws and Jurisdiction

a) Governing Laws and Jurisdiction

This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Laws of Doha, Qatar for the time being in force.

Irrespective of the place of delivery, the place of performance or the place of payments under the contract, the contract shall be deemed to have been made at the place from which the Letter of Award (LoA, or the contract Agreement, in the absence of LoA) has been issued. Unless otherwise specified in the Contract, the courts of such a place shall alone have jurisdiction to decide any dispute arising out or in respect of the contract.

b) Changes in Laws and Regulations

Unless otherwise stipulated in the contract, if after the deadline for the Proposal submission (Techno-commercial), any law, regulation, ordinance, order or bye-law having the force of law is enacted, promulgated, abrogated, or changed in India (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/ or the contract Price, then such Delivery Date and/ or Contract Price shall be correspondingly increased or decreased as per agreement between the Parties hereto, to the extent that the Successful Bidder has thereby been affected in the performance of any of its obligations under the contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the applicable price adjustment provisions.

6. Communications

a) Communications

- i. All communications under the contract shall be served by the parties to each other in writing, in the contract's language, and served in a manner customary and acceptable in business and commercial transactions.
- ii. The effective date of such communications shall be either the date when delivered to the recipient or the effective date mentioned explicitly in the communication, whichever is later.
- iii. No communication shall amount to an amendment of the terms and conditions of the contract, except a formal letter of amendment of the Contract expressly so designated.

- iv. Such communications would be an instruction, a notification, an acceptance, a certificate from the NHB, or a submission or a notification from the Successful Bidder. A notification or certificate required under the contract must be communicated separately from other communications.

b) Persons signing the Communications

For all purposes of the contract, including arbitration, thereunder all communications to the other party shall be signed by:

- i. **On behalf of the Successful Bidder:** The person who has signed the contract on behalf of the Successful Bidder shall sign all correspondences. A person signing communication in respect of the contract or purported to be on behalf of the Successful Bidder, without disclosing his authority to do so, shall be deemed to warrant that he has authority to bind the Successful Bidder. If it is discovered at any time that the person so signing has no authority to do so, the NHB reserves its right, without prejudice to any other right or remedy, to terminate the contract for default in terms of the contract and/ or avail any or all the remedies thereunder and hold such person personally and/ or the Successful Bidder liable to the NHB for all costs and damages arising from such misdemeanors.
- ii. **On behalf of the NHB:** Unless otherwise stipulated in the contract, the Nodal Officer signing the contract shall administer the contract and sign communications on behalf of the NHB. Paying Authorities mentioned in the contract shall also administer respective functions during Contract Execution.

c) Address of the parties for sending communications by the other party

For all purposes of the contract, including arbitration, thereunder, the address of parties to which the other party shall address all communications and notices shall be:

- i. The Successful Bidder's address as mentioned in the contract, unless the Successful Bidder has notified change by a separate communication containing no other topic to the NHB. The Successful Bidder shall be solely responsible for the consequence of an omission to notify a change of address in the manner aforesaid, and
- ii. The NHB's address shall be the one mentioned in the contract. The Successful Bidder shall also send additional copies to officers of the NHB presently dealing with the contract.
- iii. In case of communications from the Successful Bidder, copies of communications shall be marked to the Contract Manager and the NHB's officer signing the contract and as relevant to the Paying Authorities mentioned in the contract. Unless specified before the contract's start, the NHB and the Successful Bidder shall notify each other if additional copies of communications are to be addressed to additional addresses.

7. Obligation to Maintain Eligibility and Qualifications

The contract has been awarded to the Successful Bidder based on evaluation and scoring criteria stipulated in the RFP process. The Successful Bidder is contractually bound to maintain compliance with all such criteria during the execution of the contract. Any change which would vitiate the basis on which the Successful Bidder was awarded the contract should be pro-actively brought to the notice of the NHB within 7 days of it coming to the Successful Bidder's knowledge.

8. Consequences of breach by Constituents of a Successful Bidder

If the Successful Bidder is a Joint Venture ("JV") / consortium of two or more firms, all such firms shall be jointly and severally bound to the NHB for the fulfilment of the provisions of the Contract and shall designate one of such firms to act as a leader. The composition or the constitution of the JV / consortium shall not be altered without the prior written consent of the NHB.

In case the Successful Bidder or any of its partners, its Sub-Successful Bidders, any of its members in case of Joint Venture/Consortium, or their Personnel commit a default or breach any of the conditions of RFP/ Contract, the Successful Bidder (in case of JV, by the Lead Member, or in the case of the Lead Member being the defaulter, by the member nominated as Lead Member of the remaining JV/C) shall remedy such breaches within 21 days, keeping the NHB informed. NHB may call upon the Lead Member to assign the work of the defaulting member to any other equally competent party acceptable to the NHB. However, at its discretion, the NHB shall be entitled, and it shall be lawful on his part, to treat it as a breach of contract and avail any or all remedies thereunder. The decision of the NHB shall be final and binding on the Successful Bidder in case of any default found by the NHB.

9. Assignment and Sub-contracting

- i. Successful Bidder shall not, save with the previous consent in writing of the NHB, sublet, transfer, or assign the contract or any part thereof or interest therein or benefit or advantage thereof in any manner whatsoever to any Sub-Successful Bidder.
- ii. The Successful Bidder shall notify the NHB in writing of all such Sub-Successful Bidders, if not already stipulated in the contract, in its original Proposal or later. Such notification shall not relieve the Successful Bidder from any of its liability or obligation under the terms and conditions of the contract. Sub-Successful Bidders must comply with and should not circumvent the Successful Bidder's compliance with its

obligations.

- iii. If the Successful Bidder sublets or assigns this Contract or any part thereof without such permission, the NHB shall be entitled, and it shall be lawful on his part, to treat it as a breach of contract and avail any or all remedies thereunder.

10. For Losses and Damages Caused by Successful Bidder

Successful Bidder shall indemnify and keep harmless the NHB, from and against, all actions, suit proceedings, losses, costs, damages, charges, claims, and demands of every nature and description brought or recovered against the NHB because of any act or omission or default or negligence or trespass of the Successful Bidder, his agents, or employees despite all reasonable and proper precautions may have been taken, during the execution of the Services. The Successful Bidder shall make good at his own expense all resulting losses and/ or damages to:

- i. the Services themselves or
- ii. any other property of the NHB or
- iii. the lives, persons, or property of others

In case the NHB is called upon to make good such costs, loss, or damages or to pay any compensation, including that payable under the provisions of the Workmen's Compensation Act or any statutory amendments thereof, the amount of any costs or charges including costs and charges in connection with legal proceedings, which the NHB may incur about it, shall be charged to the Successful Bidder. All sums payable by way of compensation under any of these conditions shall be considered reasonable compensation to be applied to the actual loss or damage sustained and whether or not any damage shall have been sustained.

The NHB shall have the power and right to pay or to defend or compromise any claim of threatened legal proceedings, or in anticipation of legal proceedings being instituted consequent on the action or default of the Successful Bidder, to take such steps as may be considered necessary or desirable to ward off or mitigate the effect of such proceedings, charging to Successful Bidder, as aforesaid, any sum or sums of money which may be paid and any expenses whether for reinstatement or otherwise which may be incurred and the propriety of any such payment, defence or compromise, and the incurring of any such expenses shall not be called in question by the Successful Bidder.

11. Confidentiality, Secrecy and Property and IPR Rights

a) Confidentiality

All documents, drawings, samples, data, associated correspondence or other information furnished by or on behalf of the NHB to the Successful Bidder in connection with the contract, whether such information has been furnished before, during or following completion or termination of the contract, are confidential and

shall remain the property of the NHB and shall, without the prior written consent of NHB neither be divulged by the Successful Bidder to any third party, nor be used by him for any purpose other than the design, procurement, or other services and activities required for the performance of this Contract. If advised by the NHB, all copies of all such information in original shall be returned on completion of the Successful Bidder's performance and obligations under this contract.

b) Secrecy

If the contract declares the subject matter of this Contract as coming under the Official Secrets Act, 1923 or if the contract is marked as "Secret", the Successful Bidder shall take all reasonable steps necessary to ensure that all persons employed in any connection with the contract, have acknowledged their responsibilities and penalties for violations under the Official Secrets Act and any regulations framed thereunder.

c) Restrictions on the Use of Information

- i. Without the NHB's prior written consent, the Successful Bidder shall not use the information mentioned in the sub-clauses above except for performing this contract.
- ii. The Successful Bidder shall treat and mark all information as confidential (or Secret – as the case may) and shall not, without the written consent of the NHB, divulge to any person other than the person(s) employed by the Successful Bidder in the performance of the contract. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for such performance for this contract.
- iii. Notwithstanding the above, the Successful Bidder may furnish to its holding company or its Sub-Successful Bidder(s) such documents, data, and other information it receives from the NHB to the extent required for performing the contract. In this event, the Successful Bidder shall obtain from such holding company/ Sub-Successful Bidder(s) an undertaking of confidentiality (or secrecy – as the case may be) like that imposed on the Successful Bidder under the above clauses.

d) Property Rights

Physical assets, e.g., Equipment, vehicles and materials made available to the Successful Bidder by the NHB or purchased by the Successful Bidder wholly or partly with funds provided by the NHB, shall be the property of the NHB and shall be marked accordingly. Upon termination or expiration of this Contract, the Successful Bidder shall make an inventory of such equipment, vehicles, and materials available to the NHB and dispose of such equipment, vehicles, and materials in accordance with the NHB's instructions. While in possession of such equipment, vehicles and materials, the Successful Bidder, unless otherwise instructed by the NHB in writing, shall insure them at the expense of the NHB in an amount equal to their total replacement value.

Intangible assets, e.g., license agreements, Software Packages, and memberships for purposes of performance of this contract provided by the NHB or purchased by

the Successful Bidder wholly or partly with funds provided by the NHB, shall be the property of the NHB and shall be registered accordingly., These shall be obtained in the name of the NHB after obtaining the NHB's prior written approval. The NHB shall have an encumbered right to use such assets, even after the termination of the Contract. Any restrictions about the future use of these documents and software shall be specified in the Contract.

e) IPR Rights

All deliverables, outputs, plans, drawings, specifications, designs, reports, and other documents and software submitted by the Successful Bidder under this Contract shall become and remain the property of the NHB and shall be subject to laws of copyright and must not be shared with third parties or reproduced, whether in whole or part, without the NHB's prior written consent. The Successful Bidder shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to the NHB, together with a detailed inventory thereof. The Successful Bidder may retain a copy of such documents and software but shall not use it for commercial purposes.

12. Permits, Approvals and Licenses

Whenever the Services and incidental Goods/ Works delivery requires the Successful Bidder to obtain permits, approvals, and licenses from local public authorities or any third party, it shall be the Successful Bidder's sole responsibility to obtain these and keep them current and valid. Such requirements may include but not be restricted to licenses or environmental clearance if required. If requested by the Successful Bidder, the NHB shall make its best effort to assist the Successful Bidder in complying with such requirements in a timely and expeditious manner without diluting the Successful Bidder's responsibility in this regard.

13. Legal Compliance

The Successful Bidder shall perform the Services in accordance with the Contract and the Applicable Law and shall take all practicable steps to ensure that any of its Personnel, Expert etc. comply with the Applicable Law.

14. Custody and Return of the NHB's Assets loaned to Successful Bidder

- a) The contractors shall sign accountable receipts for all documents and materials, or other assets/ properties made over to them by the Contract Manager on behalf of the NHB. All such assets shall be deemed in good condition when received by the Successful Bidder unless he has notified the NHB to the contrary within twenty-four hours of receipt. Otherwise, he shall be deemed to have waived the right to do so at any subsequent stage.
- b) These assets shall remain the property of the NHB, and the Successful Bidder shall take all reasonable care of all such assets. The Successful Bidder shall be responsible for all damage or loss from whatever cause while assets are possessed or controlled by the Successful Bidder, staff, workmen, or agents.

- c) Where the Successful Bidder insures such assets against loss or fire at the request of the NHB, such insurance shall be deemed to be by way of additional precaution and shall not prejudice the Successful Bidder's liability as aforesaid.
- d) The Successful Bidder shall return all such assets in good order and repair, reasonable wear and tear excepted, before the completion/ closure/ termination of the contract and shall be responsible for any failure to account for the same or any damage done to that as assessed by the NHB whose decision shall be final and binding.

15.NHB's Obligations

a) Assistance by the NHB

Unless otherwise specified in the Contract, the NHB shall use its best efforts to:

- i. Issue instructions and information to its officials, agents, and stakeholders for prompt and effective implementation of the Services.
- ii. Provide to the Successful Bidder any other assistance as specified in the Contract.
- iii. Access to Project Site: The NHB warrants that the Successful Bidder shall have, free of charge, unimpeded access to the project site if such access is required for the performance of the Services.

b) Facilities to be provided by the NHB

- i. The NHB shall make available to the Successful Bidder and the Experts, for the performance of the contract, free of any charge (unless otherwise stated therein), the services, facilities, and property described in the 'Terms of Reference' as per terms and specified therein. The Successful Bidder shall use such property for the execution of the contract and no other purpose whatsoever.
- ii. In case such services, facilities and property shall not be made available to the Successful Bidder as and when specified in Appendix A, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Successful Bidder for the performance of the Services, (ii) how the Successful Bidder shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Successful Bidder as a result thereof according to applicable clause of the contract.

c) Payment Obligation

Considering the Services performed by the Successful Bidder under this Contract, the NHB shall pay the Successful Bidder for the deliverables specified in the RFP document and in such manner as is provided in the Contract.

16.Scope of Services and Performance Standards

a) Scope of Services

- a) This contract is for the performance/ delivery of Services of the description, scope/ quantum outlined in 'Appendix C: RFP document containing all Terms of References (Page no.26).
during the contract period specified therein.
- i. **Incidental Works/ Goods/ Other Services:** If so stipulated, the Successful Bidder shall be required to perform/ deliver specified incidental Works/ Goods/ other Services as an integral part of the Services in the contract.
 - ii. **Location:** The Services shall be performed at such locations as are specified in Appendix A and, where the location of a particular task is not so specified, at such locations, whether in the NHB's country or elsewhere, as the NHB may approve.
 - iii. **Reporting Requirements:** The Successful Bidder shall deliver to the NHB the reports, deliverables, outputs, and documents specified in Appendix A: 'Terms of Reference', in the form, in the numbers and within the periods outlined in the said Appendix, besides progress reports as per GCC Clause 9.3.

b) Standard of Performance:

- i. The Successful Bidder shall perform and carry out the Services with all due diligence, efficiency, and economy, in accordance with generally accepted professional standards and practices, observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods.
- ii. Unless otherwise specified, the performance standards and quality of the Services shall conform to the Terms of Reference as stipulated in the contract or as per best standards in the market, where not so specified.
- iii. **Defects in Services:** The NHB shall promptly notify the Successful Bidder of any identified defects, requesting the correction of the notified defect within a reasonable time. If the Successful Bidder has not corrected notified defect within the time stipulated in the NHB's notice, the NHB may suspend payments accordingly.

17.Deployment of Resources

Successful Bidder shall deploy the resources as per the terms & conditions stipulated in the RFP and instruction/ direction received from NHB time to time.

18.Time Schedule for Deliverables:

The fabrication related work is required to be completed in time bound manner till

1st Oct 2023 and Comprehensive Maintenance thereafter till 28th March, 2024. For dismantling the complete setup and handing over the site to organizers of Expo, last date as 8th April 2024 shall be considered.

19. Severability

If any provision or condition of this Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of the Contract or any of its other provisions and conditions.

20. Relationship between Parties

The parties to the contract are the Successful Bidder and the NHB, as nominated in the contract. Nothing contained herein shall be construed as establishing a relationship in the nature of master and servant or principal and agent between the NHB and the successful bidder. The successful bidder, subject to this Contract, is legally the main principal/ master of the Experts and Sub-Successful Bidders, if any, performing the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder:

- a) Authority of Member in Charge:** In case the Successful Bidder is a Joint Venture, the members hereby authorize the member specified in the contract to act on their behalf in exercising all the Successful Bidder's rights and obligations towards the NHB under this Contract, including without limitation the receiving of instructions and payments from the NHB.
- b) Authorized Representative:** Any action required or permitted to be taken and any document required or permitted to be executed under this Contract by the NHB or the Successful Bidder may be taken or executed by the officials specified in the contract.

Good Faith: The Parties shall act in good faith concerning each other's rights under this Contract and adopt all reasonable measures to ensure the realization of the objectives of this Contract. The Successful Bidder shall always act, in respect of any matter relating to this Contract or the Services, as a faithful adviser to the NHB and shall at all times support and safeguard the NHB's legitimate interests in any dealings with the third parties.

21. Arbitration:

No arbitration under any circumstances at any stage shall be applicable. The Bidder not willing to accept this pre-condition are advised not to participate in the RFP process.

22. Tax:

CMA will ensure that all taxes as applicable are paid. NHB has no responsibility for any dispute on this account. No additional liability will be accepted on these

accounts. Amount quoted by the CMA will be inclusive of all form of taxes and any other charges.

23. Performance Bank Guarantee

The Successful Bidder shall be required to furnish a Performance Security within 10 working days from the date of notification of award for an amount equal to 10% of the contract price in the form of Bank Guarantee from a Scheduled Bank in acceptable form in favor of “**Embassy of India at Doha, Qatar**”. The Performance Security shall remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations. In case the contract period is extended further, the validity of Performance Security shall also be extended by the Successful Bidder accordingly.

24. Conflict of Interest

The Successful Bidder must provide professional, objective, and impartial advice, holding the NHB’s interests paramount at all times, and shall not try to get benefits beyond the legitimate payments and credentials in the contract. He should strictly avoid conflicts with other assignments or their corporate interests. Successful Bidder must disclose to the NHB any actual or potential conflict that impacts its capacity to serve the best interest of the NHB. Failure to disclose such situations shall be treated as a violation of the Code of Ethics and shall attract penalties mentioned therein.

Proposals found to have a conflict of interest shall be rejected as nonresponsive. Without limitation on the generality of the preceding, a Successful Bidder in this Procurement Process shall be considered to have a conflict of interest if the Successful Bidder:

a) Conflicting Associations

- i. directly or indirectly controls, is controlled by or is under common control with another Consultant/ Bidder; or
- ii. receives or has received any direct or indirect subsidy/ financial stake from another Consultant/ Bidder; or
- iii. has the same correspondence address or same legal representative/ agent as another consultant/ Bidder for purposes of this proposal; or
- iv. has a relationship with another Consultant/ Bidder, directly or through common third parties, that puts it in a position to have access to information about or influence the Proposal of another Consultant/ Bidder or influence the decisions of the NHB regarding this Procurement Process; or

b) Unfair Competitive Advantage and Conflicting Activities: had (*or any of its Affiliates*) been engaged by the NHB to provide goods, works, or services for a project, shall be disqualified from providing consulting services resulting from or

directly related to those goods, works, or services. Conversely, a firm (or any of its Affiliates) hired to provide consulting services for the preparation or implementation of a project shall be disqualified from subsequently providing goods or works or services resulting from or directly related to the consulting services for such preparation or implementation.

- c) Conflicting Assignments:** would (including its Experts and Sub-consultants) or any of its Affiliates) be or are providing consultancy services in another assignment for the same or another Procuring Entity that, by its nature, may conflict with this assignment.
- d) Commissions and Gratuities:** The Successful Bidder shall disclose any commissions or fees that may have been paid or are to be paid to agents, representatives, or commission agents concerning the selection process or execution and performance of the resulting Contract. The information disclosed must include the name and address of the agent, representative, or commission agent, the amount and currency, and the purpose of the commission or fee.
- e) Conflicting Relationships:** Bidder has close business/ family relationship with a staff of the NHB who are/ would be directly/ indirectly involved in any of the following activities:
 - i. preparation of the RFP document or TOR of the Procurement Process
 - ii. evaluation of Proposals or award of Contract, or
 - iii. implementation/ supervision of the resulting Contract

SECTION IV: TERMS OF REFERENCE (TOR)

1. Implementation Arrangements

- 1.1 The National Horticulture Board is wholly responsible for the execution and implementation of the event representing India and Indian pavilion garden at the event.
- 1.2 National Horticulture Board (NHB) desires to engage a Construction Management Agency for construction, fabrication & maintenance of the India Pavilion Garden at the Expo Doha 2023 as per the layout and the draft BoQ Enclosed in [Annexure XI](#) (Page no.46).
- 1.3 National Horticulture Board is responsible for representing India on the event and ought to create a strong and dynamic representation of the sector during the event. The idea is to showcase India as the global leader of horticulture and horticultural produce that shall cover the idea of the 'basket of fruits and vegetables and the advance developments in the different value chains over the recent years. These objectives are being accomplished by facilitating and acting as a catalyst to attract quality investments from within India and abroad into this sector with the aim of enhancing export competitiveness and appeal of Indian horticultural products around the world to increase the demand and improved realization for farmers. With the overall objective, National Horticulture Board aims to:
 - 1.3.1 To promote Indian horticulture on the global grandstand through the event Increasing export by showcasing our crops and establishing MoUs and connections among the organisations.
 - 1.3.2 Have technological cooperation by the developed countries participating in the programme.
 - 1.3.3 Promoting the culture of India through various sessions
 - 1.3.4 Promoting investment in the sector through B2B meetings and connects of national and international organisations
 - 1.3.5 Invite the global horticultural sector to share knowledge and experience in support of the Qatar National Vision 2030.
 - 1.3.6 Foster international cooperation on environmental, cultural and financial issues.

2. Scope of Work for Construction Management Agency (CMA).

An event of such grand scale demands dedicated efforts, seamless coordination, and effective collaboration on various fronts. It necessitates engaging an agency with a strong foundation and ample resources capable of handling the responsibilities.

- i. The Construction Management Agency (CMA) bears the exclusive

responsibility of ensuring all activities carried out on behalf of the National Horticulture Board (NHB) align with the established legal framework.

- ii. The CMA is entrusted with the following scope of work. If required, the CMA may collaborate with a partner or a suitable firm to ensure the successful execution of the project.
- iii. The selected bidder will be inducted as the Construction Management Agency, with engagement in the following areas of work:
 - i. **Construction & Fabrication** *(to be completed with Necessary Certification by September end 2023)*
 - a. The Construction and Fabrication of the India Pavilion Garden is the responsibility of Construction Management Agency.
 - b. The CMA should obtain all necessary approvals in Qatar for the construction of India Garden, including completion certificates, from all governing authorities (wherever applicable).
 - c. The CMA should ensure strict compliance with the General Regulations of the Expo Doha 2023 which may be referred to at their website [here](#).
 - d. The CMA should ensure compliance with local laws and insurance coverage for the manpower hired for the project.
 - e. The CMA should seek necessary approvals from the National Horticulture Board (NHB) along with Consultants (Architect/Urban Planner/Civil Engineer) from the Project Execution Agency (PEA) team for material sample finalization. In-situ material samples need to be made on-site for client approval before commencing construction. The CMA should procure and bring the accepted materials to the site.
 - f. The CMA should prepare Detailed Bill of Quantities and/or specifications based on the Good for Construction (GFC) drawings submitted by the PEA.
 - g. The CMA should create an overall project timeline (preferably in PERT Chart/Master Schedule) that outlines all activities needed for the construction process. The timeline should include the tentative schedules of minor tasks to expedite the construction process. Verify and certify Running Bills for the procurement of materials on-site, if any.
 - h. The CMA should purchase supplies and hire/rent necessary equipment and materials required for the construction. Procurement and quantification of materials should be carried out simultaneously.
 - i. The CMA should coordinate the layout of electrical supplies for both the built-up and outdoor areas. Technical support workers such as painters,

plumbers, electricians, and other technicians should be part of the construction team.

- j. The CMA should ensure the presence of prerequisite technicians (Waterbody Consultant, MEP Expert, Fabricators, etc.) on-site during the construction/installation of critical structures.
- k. The CMA should carry out day-to-day operations necessary for the completion of the construction according to the overall master schedule, from the commencement till the completion of the built-up construction.

ii. Operations & Maintenance during the event

- a. Conduct regular project meetings with vendors, the NHB, and the PEA to advise on critical project activities affecting the schedule and ensure timely completion.
- b. Maintain the India Pavilion Garden during the entire exhibition period, including any required maintenance activities. Responsible for minor rectifications and/or changes during or after construction.
- c. Oversee the development and maintenance of the exhibition area, including pavilions, seating arrangements, carpeting, stalls and other elements necessary for the event.
- d. Set up a registration desk at the pavilion's entrance with adequate space for at least 5 persons in a queue. Equipped with necessary devices and support for assistance and smooth registration.
- e. Set up the stage, including a floating backdrop (preferably on wheels), VIP seating/master of ceremony area, audio-visual panel, and temporary seating arrangement for the audience.
- f. Establish a Food & Beverages Area with seating capacity for 20-25 persons (preferably high-chair seating facility).
- g. Arrangement of tentatively 20 nos. temporary structures (2m x 2m - 8 nos. and 3m x 3m – 12 nos.) in the outdoor exhibition area, which can withstand climatic conditions. Expenses involved in these structures shall be borne by the CMA.
- h. Set up souvenir kiosks in the India Pavilion Garden to showcase arts and crafts from different states. These kiosks can be makeshift structures in garden spaces beyond the limits of the covered spaces.
- i. Maintain day-to-day coordination with the NHB, Embassy of India in Doha, Qatar, and the PEA.

iii. Post Event Support – Dismantling the Pavilion

- a. Responsible for dismantling the constructed India Pavilion Garden area no later than 8th April 2024, as per the direction of the organizers of Expo Doha 2023.
- b. Assist the NHB and PEA in resolving all outstanding issues until handing over the India Pavilion Garden plot to the organizers and document the entire project proceedings.

3. Payment Terms

The payment (in Qatari Riyal) shall be released to the CMA through Embassy of India, Doha, Qatar on progress-based after achieving the following milestones to the satisfaction of the NHB:

#	Milestone	Payment (%)
1.	On signing of Contract against Performance Bank Guarantee	10%
2.	On 40% completion of civil works (completion of platforms, stage with waterbody section, and 1.5m erection of the pavilion structure)	20%
3.	Completion of construction of India Pavilion Garden	40%
4.	Payments during the complete event for maintenance.	20% (to be released proportionately in 6 months)
5.	On completion of event and dismantling of complete setup as per the satisfaction of organizers of Expo	10%

4. Key Professional Staff & Desired Qualifications

1. The selected agency should have a team of minimum key professional staff, having minimum qualification, to plan & execute large-scale branding and promotional campaigns. Professionals must have excellent fluency in spoken and written English and Arabi.
- a) Details of personnel shall be furnished in CV format which is provided at [Annexure V](#) (Page no.39).
- b) Following is an illustrative list of key professional staff and requisite minimum qualification.

Core Team*	Project Management & Strategy Expert	The expert will have a post-Graduation degree and experience in Civil Engineering/ Construction management, event management, business, and related field with minimum of 10 years of work
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		experience in managing large scale construction projects and events. Must be a UPDA Certified Engineer.
	Infrastructure Expert	The expert will have a post-Graduation degree in Civil Engineering/ Construction Management and at least 5 years of relevant experience managing infrastructure projects.
	Landscape Management Expert	The expert should have a post-Graduation in the Landscape design/architecture and minimum 5 years of experience
	MEP Expert	The expert should have a Graduation/ Post-Graduation in the related field with relevant 5 years of experience.
	Operations and Procurement	The expert should have a Graduation/ Post-Graduation in the related field with relevant 2 years of on-site experience.

**Team will be deployed at Project Site during the implementation period. The Team will be evaluated based on their qualifications and working experiences in these fields of work on earlier successfully completed assignments.*

- c) The Agency/ Vendor is free to employ additional resources (including the time for each team member) as they see fit, keeping in mind that adhering to the objectives of the assignment, scope of work/ activities given, and outputs is essence for the assignment.

SECTION VI: ELIGIBILITY AND SCORING CRITERIA

A. Pre-Eligibility

1. The bidder should be a Legal Business Entity (JV/ Consortium is also allowed) registered under the Act (*such as Companies Act, or a partnership firm registered under the Limited Liability Partnership Act etc.*) applicable in India/Qatar with the establishment for the last 10 years. Certificate of Incorporation/ Partnership deed and other relevant documents to be attached.
2. The Bidder should have proven experience in construction/ fabrication and maintenance of public spaces and executed at least 5 International events during the last 5 years. The total cost of construction/fabrication and maintenance in these 5 events should sum up to 6 million Qatari Riyal. Copy of Work Order along with the completion certificate certifying the required scope and value of the 6 million Qatari Riyal.
3. The bidder should comprise a multi-disciplinary team of at least 10 qualified professionals having proven experience in constructing public spaces which includes expertise in Garden design/management, collection management and crafts development, cultural landscapes, and other aspects of relevance as per RFP document. Copy of CVs of professionals to be enclosed as per the format provided in RFP Document.
4. The bidder must have an average annual turnover of minimum 4 million Qatari Riyal from construction/ fabrication and maintenance of pavilion/ stalls etc. in the previous three financial year viz., 2019-20, 2020-21 and 2021-22. Copies of audited balance sheet and Statutory Auditor Certificate highlighting the turnover to be attached.
5. The Bidder should not be blacklisted by any Centre/ State Government/ PSU in India and any govt. department in Doha, Qatar as on date of submission. Copy of Self – Undertaking to be enclosed.
6. The Bidder should be registered with Relevant Authorities such as Income Tax etc in Doha, Qatar and have GST/ applicable Tax Number. Copy of Relevant Documentation evidence to be enclosed.

Sl.no	Documents required to be submitted by the bidders for evaluation
1	Certificate of Incorporation/ Partnership deed and other relevant documents.
2	Work Order along with the completion certificate certifying the required scope and value of the 6 million Qatari Riyal.
3	CVs of professionals to be enclosed as per the format provided in RFP Document.
4	Audited balance sheet and Statutory Auditor Certificate highlighting the turnover.
5	Self – Undertaking for black – listing.
6	Relevant Documents as per Relevant Authorities for Tax.

B. Scoring Criteria

S. No	Detailed Criteria (Project mentioned in each criterion should be exclusive and non-repetitive)	Max Score
(a)	The Bidder or their associated entity/member firm should have an Empanelment with the Event Organizers of Expo Doha 2023 – 10 Marks <i>Document: Copy of empanelment order</i>	10 Marks
(b)	Average annual turnover from construction/ fabrication of pavilion/ stalls etc. in the last three financial years (2019-20, 2020-21 and 2021-22). <ul style="list-style-type: none"> Average Annual Turnover figure for last 3 years - 2 marks for each million above 4 million Qatari Riyal (Max 10 Marks) <i>CA certificate / Audited Balance Sheet to be furnished in this regard.</i>	10 Marks
(c)	Bidder having experience in Construction/Fabrication and Maintenance of Private/Public Projects and/or International Events. 5 marks for each additional project beyond 5 projects already considered in pre- eligibility criteria. <i>Copy of Work Order(s) along with the completion certificate(s) certifying the required scope.</i>	20 marks
(e)	Methodology for executing, completing and maintaining the assignment <ul style="list-style-type: none"> * Understanding of the Project – 10 marks * Proposed Plan of Execution – 10 marks <ul style="list-style-type: none"> - Inception - Supervision - Maintenance - Dismantling - Green techniques used. * Technical Presentation – 20 marks 	40 Marks
(f)	For Professionals: <ul style="list-style-type: none"> Project Management Expert - 5 Marks Infrastructure Expert - 4 Marks Landscape Management Expert - 4 Marks MEP Expert - 4 Marks Operations & Procurement Expert – 3 Marks 	20 Marks

Note:

- a. The maximum marks that can be scored would be 100. Financial bids of only those bidders will be opened who receives more than/ equal to 60 marks in technical evaluation criteria.
- b. If deemed necessary, NHB in its sole discretion to make required variations in the cut off points for technical evaluation including criteria for technical evaluation.
- c. NHB/ Embassy of India in Doha, Qatar will constitute the Evaluation Committee. This committee will evaluate the Bid Documents submitted by the Bidders.
- d. Financial Quote shall be considered inclusive of taxes. Bidder must fill the amount for construction, maintenance charges and applicable taxes.
- e. The RFP Evaluation Committee may choose to conduct technical negotiation or discussion with any or all the Bidders. The decision of Evaluation Committee in the valuation of the Technical and Commercial bids shall be final and binding on all the parties.
- f. Any effort by a Bidder to influence the RFP Evaluation Committee's processing of Bids or award decisions may result in the rejection of the Bid.
- g. Failure of the Bidder to agree with the Terms & Conditions of the RFP/Contract shall constitute sufficient grounds for the annulment of the award of contract, in which event the contract may be awarded to the next most responsive bidder.

Annexure-I

Form of Bid-Securing Declaration

Date: _____

Tender Reference No.: **NHB/Expo 2023 Doha/CMA/ 2023**

Project Name: **Construction, fabrication & maintenance of India Pavilion Garden at the Expo Doha 2023.**

To:

Charge d’Affaires a.i. & Counsellor (Political & Commerce)
Embassy of India, Doha
Villa No 86 & 90, Street No. 941, Al Eithra Street, Zone 63,
Onaiza, P.O. Box 2788, Doha - Qatar.

We, the undersigned, declare that:

We understand that according to your conditions, Bids must be supported by a Bid-Securing Declaration. We accept that the amount of 36,000 Qatari Riyal if we are in breach of our obligation(s) under the Bid conditions, because we:

- a) have submitted a non-responsive proposal; or
- a) have withdrawn our Bid during the period of Bid validity specified in the Letter of Bid; or
- b) having been notified of the acceptance of our Bid by the Board during the period of Bid validity, fail or refuse to execute the work as per the work order, if required

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) notification of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.

Name of the Bidder _____

Name of the person duly authorized to sign the Bid on behalf of the Bidder* _____

Title of the person signing the Bid _____

Signature of the person named above _____

Date signed _____ day of _____, _____

**Person signing the Bid shall have the power of attorney given by the Bidder attached to the Bid.*

Annexure-II

RFP Submission Letter

Date: _____

To

Charge d'Affaires a.i. & Counsellor (Political & Commerce)
Embassy of India, Doha
Villa No 86 & 90, Street No. 941, Al Eithra Street, Zone 63,
Onaiza, P.O. Box 2788, Doha - Qatar.

Sub: RFP for engagement of Construction Management Agency (CMA) for construction, fabrication & management of India Pavilion Garden at the Expo Doha 2023– reg.

Ref: RFP document no. NHB/Expo 2023 Doha/CMA/ 2023 dated 19.07.2023

Dear Sir,

I/ We, the undersigned offer to undertake works regarding subject matter and hereby submitting our bid. I/We, hereby declare that:

- (a) We are enclosing our profile as Annexure I (a) and submitting herewith our Bid with the details as per the requirements of the RFP Document, for your evaluation and consideration.
- (b) I/We have read carefully all the terms and conditions of RFP document attached hereto and hereby agree to abide by the said terms and conditions.
- (c) The bid security declaration as per the format stipulated in the RFP document has been furnished.
- (d) The bid is unconditional.
- (e) I/We undertake that documents submitted are genuine/ authentic and nothing material has been concealed. I/We understand that the contract is liable to be cancelled, if it is found to be having obtained, through fraudulent means/concealment of information.
- (f) We shall make available to the NHB any additional information it may find necessary or require to clarify, supplement or authenticate the Bid.
- (g) Until a formal agreement is prepared and executed, acceptance of this RFP document shall constitute a binding contract between NHB and us subject to the modifications, as may be mutually agreed to, between NHB and us.
- (h) We agree to keep this bid valid for acceptance for a period of **sixty (60) days** from the date of opening the bid.

We understand that the NHB is not bound to accept any RFP that the NHB receives.

Yours faithfully,

Authorized Signatory

(With Name, Designation, Contact no. and Seal)

Note: On the Letter head of the Bidder

Annexure-II (a)**Profile of Agency/ Organization**

Provide here a brief description of the background and organization of your firm/institution/entity. The brief description should include ownership details- date place of incorporation of the agency its objectives etc. Attach relevant certificate(s)

#	Particulars	Details
1.	Name of the Bidder	
2.	Address of the Bidder	
3.	Incorporation status of the Bidder (Company or Firm) (Relevant Certificate to be submitted in Technical Bid)	
4.	Year of Establishment	
5.	Valid GST registration No. (Copy of certificate to be submitted)	
6.	Permanent Account No. (PAN) (Copy of PAN Card to be submitted)	
7.	Name and Designation of the contact person to whom all references shall be made regarding this Bid	
8.	Telephone No. (with STD Code)	
9.	E-mail id of the Contact Person	
10.	Fax No. (with STD Code)	
11.	Website (if any)	

Annexure-III

Bidder’s Authorization Certificate

To
Charge d’Affaires a.i. & Counsellor (Political & Commerce)
Embassy of India, Doha
Villa No 86 & 90, Street No. 941,
Al Eithra Street, Zone 63,
Onaiza, P.O. Box 2788, Doha - Qatar.
Email: dcm.doha@mea.gov.in

Sub: RFP for engagement of Construction Management Agency (CMA) for construction, fabrication and maintenance of India Pavilion Garden at the Expo Doha 2023– reg.

Ref: RFP document no. NHB/Expo 2023 Doha/CMA/ 2023 dated 19.07.2023

Dear Sir,

I/ We {Name/ Designation} hereby declare/ certify that {Name/ Designation} is hereby authorized to sign relevant documents on behalf of the company/ firm in dealing with RFP No. _____ dated _____. He/ She is also authorized to attend meetings & submit technical & commercial information/ clarifications as may be required by you in the course of processing the Bid. For the purpose of validation, his/ her verified signatures are as under.

Thanking you,

Name of the Bidder: -

Authorized Signatory:

Verified Signature:

Seal of the Organization:

Date:

Place:

Note: Please attach the valid power of attorney in favor of person signing this authorization letter.

Annexure-IV

Undertaking
(on Letter head of the bidding agency)

I _____ Proprietor/Director/Partner of the firm M/s _____ do hereby solemnly affirm that our firm M/s _____ is not blacklisted by any Centre/ State Government/ PSU in India and any govt. department in Doha, Qatar as on date of submission.

Also, I do hereby solemnly affirm that our firm M/s _____ is not involved in any litigation that may have an impact on deliverables as stipulated in RFP document no. _____ issued on _____.

.....
Name of the Bidder

.....
Signature of the Authorized Signatory

.....
Name of the Authorized Signatory

Place: _____
Date: _____

Annexure-V**CV Format****General**

Position Title and No.	
Name of Key Expert	
Name of the Firm proposing the Key Expert	
Date of Birth	
Nationality	
Country of Citizenship/Residence	

Education

S. No.	Degree Obtained	Name of Institution	Period of education
1.			
2.			

Employment record relevant to the assignment (starting with present organisation and follow reverse order)

Period	Employing organisation and the position Contact information for reference	Country	Summary of activities performed relevant to the Assignment

Language Skills

Language	Speaking (Excellent/Good/Average/ Below Average/Poor)	Reading (Excellent/Good/Average/ Below Average/Poor)	Writing (Excellent/Good/Average/ Below Average/Poor)

Adequacy for the assignment

<p>Write a brief profile about you by explaining your work experience, various responsibilities undertaken and achievements (if any)</p>
<p><u>Reference to prior work/ assignments that best illustrates capability to handle the assigned tasks</u></p> <p>Name of Project:</p> <p>Position held:</p> <p>Location:</p> <p>Period:</p> <p>Client:</p> <p>Main Project Features:</p> <p>Activities performed:</p>
<p><u>Reference to prior work/ assignments that best illustrates capability to handle the assigned tasks</u></p> <p>Name of Project:</p> <p>Position held:</p> <p>Location:</p> <p>Period:</p> <p>Client:</p> <p>Main Project Features:</p> <p>Activities performed:</p>

Expert contact information:

Certification:

Date:

Signature of the Authorized Representative of the consultant:

Name of the Authorized Representative of the consultant:

Date:

Annexure VI

Details of Similar Nature of assignments

S. No.	Description of Project / Scope of the work	Name of the Client	Location of the work	Value of the Project	Financial Year
1.					
2.					
3.					
...					

Supporting/ Relevant documents such as copies of documents as stipulated in the **Eligibility Criteria and Marking Criteria** to be attached. Assignments which are not supported by documentary evidence shall not be considered for evaluation.

.....
Name of the Bidder

Signature of the authorized signatory: _____

Name of the Authorised Signatory: _____

Date: _____

Place: _____

Annexure-VII

CA CERTIFICATE FORMAT

S.No.	Financial Year	Turnover (in Qatari Riyal)
1.	2019-20	
2	2020-21	
3	2021-22	
4	Total	
5	Average Annual Turnover	

Yours Sincerely,

For
Chartered Accountants
Membership Number-
Date-
Place-

Annexure-VIII**Format of Pre-Proposal Queries**

To

Charge d'Affaires a.i. & Counsellor (Political & Commerce)

Embassy of India, Doha

Villa No 86 & 90, Street No. 941,

Al Eithra Street, Zone 63,

Onaiza, P.O. Box 2788, Doha - Qatar.

Email: dcm.doha@mea.gov.in

Sub: RFP for engagement of Construction Management Agency (CMA) for construction, fabrication and maintenance of India Pavilion Garden at the Expo Doha 2023– reg.

Ref: RFP document no. NHB/Expo 2023 Doha/CMA/ 2023 dated 19.07.2023

Dear Sir,

Following are the Clarifications and Comments from the Terms and Conditions and Scope of Work for the subject RFP document:

S. No.	Clause No. and Page reference	RFP DOCUMENT text	Query
1			
2			
...			

Yours faithfully,

Authorized Signatory

(with Name, Designation, Contact no. and Seal)

*Note:**On the Letter head of the Bidder*

Annexure-IX

Form of Performance Bank Guarantee

To
Charge d'Affaires a.i. & Counsellor (Political & Commerce)
Embassy of India, Doha
Villa No 86 & 90, Street No. 941,
Al Eithra Street, Zone 63,
Onaiza, P.O. Box 2788, Doha - Qatar.

WHEREAS _____ [*Name and address of CMA*] (hereinafter called the "CMA") has undertaken, in pursuance of Letter of Award/ Contract No. _____ dated _____ to provide services as per all the terms and conditions set forth in this Contract _____ [*Name of contract and brief description of works*] (hereinafter called the "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the CMA shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the CMA such a Bank Guarantee.

NOW THEREOF we hereby affirm that we are the Guarantor and responsible to you, on behalf of the CMA up to a total of _____ [*amount of Guarantee*] _____ [*in words*], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ [*amount of Guarantee*] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the CMA before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the services to be performed there under or of any of the Contract documents which may be made between you and the CMA shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

The liability of the Bank under this Guarantee shall not be affected by any change in the constitution of the CMA or of the Bank.

“This guarantee shall also be operatable at our..... Branch at Gurugram, Haryana, from whom, confirmation regarding the issue of this guarantee or extension / renewal thereof shall be made available on demand. In the contingency of this guarantee being invoked and payment there under claimed, the said branch shall accept such invocation letter and make payment of amounts so demanded under the said invocation.”

Notwithstanding anything contained herein before, our liability under this guarantee is restricted to Rs._____ (Rupees_____) and the guarantee shall remain valid till _____. Unless a claim or a demand in writing is made upon us on or before _____ all our liability under this guarantee shall cease.

Notwithstanding anything contained hereinabove:

- A. Our liability under this guarantee shall not exceed Rs._____ (Rupees_____).
- B. This bank guarantee shall be valid up-to _____.
- C. We are liable to pay the guarantee amount or any part thereof under this bank guarantee only and only if you serve upon us a written claim or demand on or before_____.

Signature and Seal of the Guarantor _____

In presence of

Name and Designation

a) _____
(Name, Signature & Occupation)

Name of the Bank

Address

b) _____
(Name & Occupation)
Date

Annexure- X

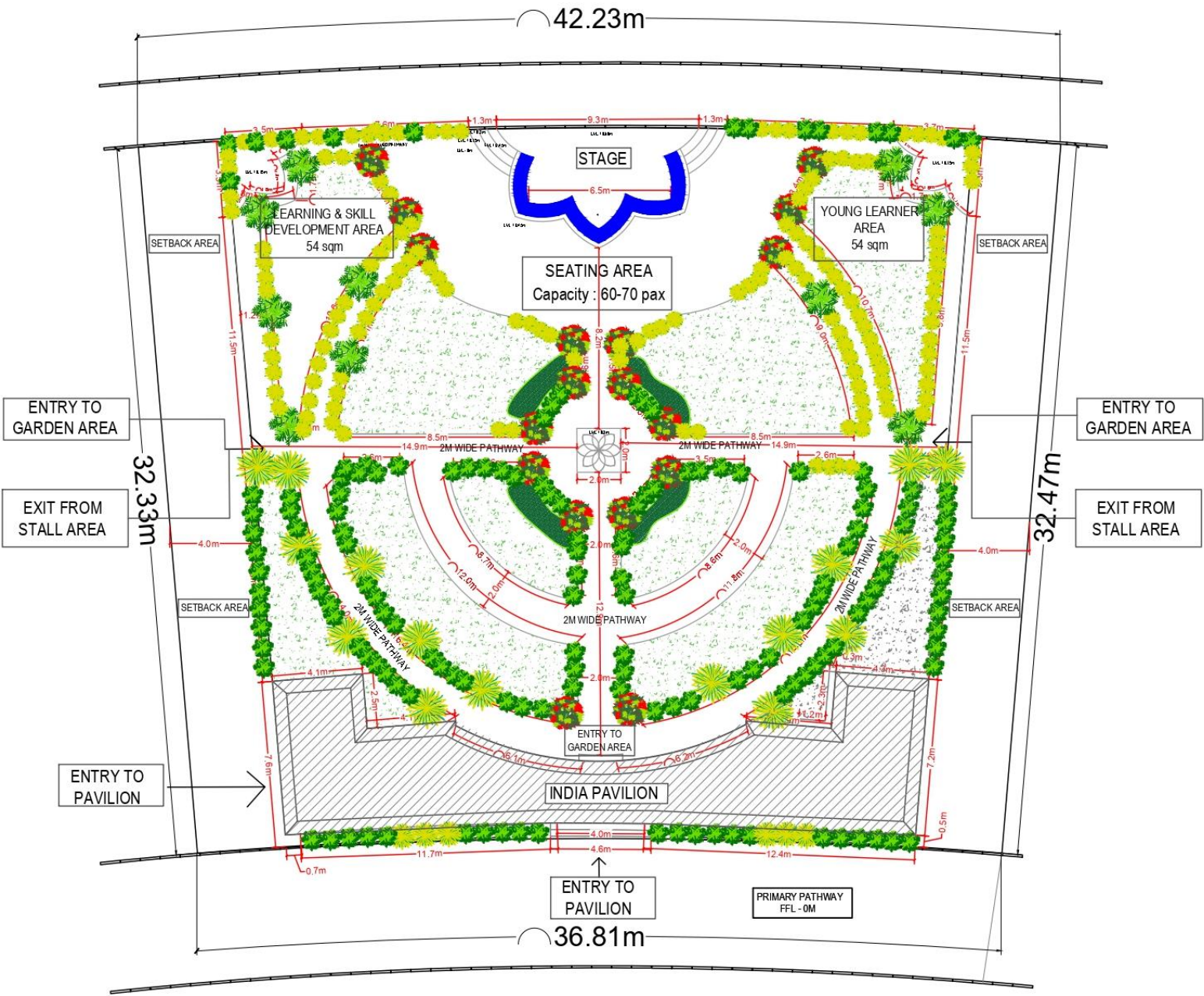
Form of Financial Bid

Construction, Fabrication and Maintenance of India Pavilion Garden at the Expo Doha 2023

Services	Amount in Qatari Riyal		
	Fees/ Charges	Applicable Taxes	Total Cost
Construction and Fabrication of India's Pavilion till Sept'23 as per the scope of work stipulated in Tender document			
Maintenance from Oct'23 to 28 th March 2024 and Dismantling the setup as per the satisfaction of organizers of Expo till 8 th Apr'24 / as per the direction.			
Grand Total			

Annexure XI

Pavilion Baseline Drawing



Draft Bill of Quantities (Constructed Area)

(Please note that all the quantities given here may/may not have any positive/negative deviations as per the Final GFC Drawings prepared.)

SUB-ESTIMATE-A: Construction of Stage with Water Body											
Item No	Item Description	Nos	Length	Breadth	Height	Quantity	Unit				
Item No.1: (2.8.1) Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.											
RCC Base (Waterbody Part)		1	x	15.06	x	1.25	x	0.10	.=	1.88	Cum
Stage Back Side		1	x	11.90	x	0.25	x	0.10	.=	0.30	Cum
								Total		2.18	Cum
Item No.2: (11.2) Dry brick bat flooring under stage in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with sand, with common burnt clay non modular bricks.											
Under Stage		1	x	25.23			x	0.23	.=	5.80	Cum
								Total		5.80	Cum
Item No 3- (2.27) Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.											
Under		1	x	25.23			x	0.30	.=	7.57	Cum
								Total		7.57	Cum
CEMENT CONCRETE (CAST IN situ)											
Item No 4- (4.1.3) Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :											
1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)											
Stage PCC Filling		1	x	25.23			x	0.050	.=	1.26	Cum
Stairs 1		2	x	2.76	x	0.43	x	0.15	.=	0.36	Cum
Stairs 2		2	x	2.23	x	0.43	x	0.30	.=	0.58	Cum
Stairs 3		2	x	1.74	x	0.43	x	0.45	.=	0.67	Cum
								Total	.=	2.87	Cum
Item No 5- (5.2.2) Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement											
1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)											
RCC (back side of stage) - Base		1	x	11.90	x	0.25	x	0.10	.=	0.298	Cum

RCC (back side of stage) – Wall		1	x	11.90	x	0.15	x	0.60	.=	1.071	Cum
RCC (Front side of stage) - Base		1	x	15.06	x	1.25	x	0.10	.=	1.883	Cum
RCC (Front side of stage) - Water Body Base		1	x	7.86			x	0.05	.=	0.393	Cum
RCC (Front side of stage) - Wall 1		1	x	10.35	x	0.15	x	0.60	.=	0.932	Cum
RCC (Front side of stage) - Wall 1		1	x	15.06	x	0.15	x	0.50	.=	1.130	Cum
								Total	.=	5.705	Cum

Item No 6- (5.9) FORM WORK Centering and shuttering including strutting, propping etc. and removal of form for

		Lintels, beams, plinth beams, girders, bressumers and cantilevers										
RCC Back Side Stage - Base			2	x	11.9	x		x	0.10	.=	2.38	Sqm
RCC Back Side Stage - Wall			2	x	11.9	x		x	0.60	.=	14.28	Sqm
RCC Front Side Stage - Base			2	x	15.06	x		x	0.10	.=	3.01	Sqm
RCC Front Side Stage - Wall 1			2	x	10.35	x		x	0.60	.=	12.42	Sqm
RCC Front Side Stage - Wall 2			2	x	15.06	x		x	0.50	.=	15.06	Sqm
									Total	.=	47.15	Sqm

Item No 7- (5.22.6/5.22A.6) Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.

b) Thermo-Mechanically Treated bars of grade Fe-500D or more.

Considering 120kg per Cum of RCC work							Total	.=	684.58	Kg
Wastage @5% extra							Grand Total	.=	718.81	Kg

Item No 8: (22.23.1/2) Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI 212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. For vertical surface two coats @ 0.70 kg per sqm, For horizontal surface one coat @1.10 kg per sqm.

Stage Area			1	×	25.23					.	=	25.23	Sqm
Water Body Floor Area			1	×	7.86					.	=	7.86	Sqm
Stage Vertical wall 1			1	×	6.21					.	=	6.21	Sqm
Stage Vertical wall 1			2	×	7.53					.	=	15.06	Sqm
Waterbody Infinity Section			1	×	2.25					.	=	2.25	Sqm
									Total	.	=	56.61	Sqm

Item No 15- (11.23.1) Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with :

Stage Floor			1	x	25.23					.	=	25.23	Sqm
Water Body Floor			1	x	7.86					.	=	7.86	Sqm
Stage Vertical wall 1			1	x	6.21					.	=	6.21	Sqm
Stage Vertical wall 1			2	x	7.53					.	=	15.06	Sqm
Waterbody Infinity Section			1	x	2.25					.	=	2.25	Sqm
Steps 1 (Riser)			2	x	2.76	x	0.15			.	=	0.83	Sqm
Steps 1 (Tread)			2	x	2.76	x	0.43			.	=	2.37	Sqm
Steps 2 (Riser)			2	x	2.23	x	0.15			.	=	0.67	Sqm
Steps 2 (Tread)			2	x	2.23	x	0.43			.	=	1.92	Sqm
Steps 3 (Riser)			2	x	1.74	x	0.15			.	=	0.52	Sqm
Steps 3 (Tread)			2	x	1.74	x	0.43			.	=	1.50	Sqm
									Total	.	=	64.414	Sqm

SUB-ESTIMATE-B: Construction of Pavilion Building and Platforms

Name of Work: Construction of Pavilion Building for Horticulture Expo 2023 at Doha, Qatar

Item No	Item	Nos	Length	Breadth	Height	Quantity	Unit			
Item No.1: (2.8.1) Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.										
PCC Pedastal Base	1	x	28.10	x	0.45	x	0.15	.=	1.90	Cum
PCC Pedastal Base	2	x	7.60	x	0.45	x	0.15	.=	1.03	Cum
PCC Pedastal Base	1	x	33.50	x	0.45	x	0.15	.=	2.26	Cum
PCC Base (Platform)	2	x	9.97			x	0.15	.=	2.99	Cum

										Total		8.18	Cum
CEMENT CONCRETE (CAST IN SITU)													
Item No 2- (4.1.3) Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :													
1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size													
PCC Pedastal Base		1	x	28.10	x	0.45	x	0.15		=	1.90	Cum	
PCC Pedastal Base		2	x	7.60	x	0.45	x	0.15		=	1.03	Cum	
PCC Pedastal Base		1	x	33.50	x	0.45	x	0.15		=	2.26	Cum	
Floor		1	x	140.00			x	0.130		=	18.20	Cum	
PCC Base (Platform)		2	x	9.97			x	0.15		=	2.99	Cum	
PCC Base (Platform)		2	x	7.85			x	0.13		=	2.04	Cum	
								Total		=	28.42	Cum	
Item No 3- (5.9) FORM WORK Centering and shuttering including strutting, propping etc. and removal of form for													
	Lintels, beams, plinth beams, girders, bressumers and cantilevers												
230 mm PCC wall		2	x	77	x		x	0.13		=	20.02	Sqm	
Platform		2	x	13.5	x		x	0.13		=	3.51	Sqm	
								Total		=	23.53	Sqm	
Item No 4- (10.16.1) Steel work (<i>Gate and Pergola</i>) in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding, and bolted with special shaped washers etc. complete.													
Hot finished welded type tubes													
Considering 21 kg per square metre								Total		=	8362.83	Kg	
Wastage @5% extra								Grand Total		=	8780.97	Kg	
Item No 5: (22.23.1/2) Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI 212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. For vertical surface two coats @ 0.70 kg per sqm, For horizontal surface one coat @1.10 kg per sqm.													
		1	x	140.00						=	140.00	Sqm	
		2	x	10.01						=	20.02	Sqm	
PCC Base (Platform)		2	x	1.75						=	3.50	Cum	
PCC Base (Platform)		2	x	7.85						=	15.70	Cum	
								Total		=	179.22	Sqm	

Item No 6- (12.45.4) Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : Fully Perforated Gypsum Plaster Board of size 1200 x 2400 x 12.5 mm having approx. 15 % perforated area with perforation size and pattern as approved by the Engineer in-charge and as per manufacturer's specification, with all 4 side tapered and backed by acoustical tissue with NRC value not less than 0.60

			1	x	140.00			.	140.00	Sqm
							Total	.	140.00	Sqm

Item No 7- (12.52.3) Providing and fixing tiled wall cladding of specified materials of size 595x595 mm in true vertical level, fixed on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. 12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with SUB HEAD : 12.0 ROOFING 266 Code Description Unit Rate No. the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.

Wall			1	x	328.39			.	328.39	Sqm
							Total	.	328.39	Sqm

Item No 8- (26.24.1) Providing and fixing in position wall panelling at all heights with integral densified calcium silicate panels/tiles of size 595 x 595mm, having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity <0.043 W/m K as per ASTM 518:1991, comprising of a frame made from especially fabricated galvanised mild steel sheet 0.50 mm thick pressed section (galvanizing @120 grams per sqm including both sides) i.e. vertical studs of size 48 x 34 x 36 mm are placed at 600mm center to center in a floor and ceiling channel section of size 50 x 32mm fixed to the floor and soffit at 600mm centers using 12mm dia, 50mm long wedge type expanded zinc alloy dash fastener with 10mm bolt. This same channel is then to be fixed in horizontal direction at 600mm center to center so as to form a grid of 600mm x 600mm. Glasswool of 50mm thickness is then to be inserted in the slots and finally calcium silicate non combustible panels/tiles are to be screw fixed with self tapping pan head nickel coated mild steel screws of size 13 x 3.2mm on to this grid leaving an even groove of 1 mm between the panels. The joints between the panels are to be duly jointed and finished using recommended jointing calcium silicate based compound and fiber joint tape roll 50mm wide (90 metre)roll and two coats of primer suitable for panelling as per manufacturer's specification as per direction of Engineer-in-Charge all complete. With 15 mm thick fully perforated square/butt edge light weight calcium silicate panels/ tiles

Wall			1	x	236.39			.	=	236.39	Sqm
								Total	.	236.39	Sqm

Item No 9- (26.23.1) Providing and fixing ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on inter locking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile, rotary stitched double webbed white with 6mm reveal profile (white/black), comprising of main-T runners of size 15x42mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate cross T of size 15x42 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles

Roofing			1	x	165.00			.	=	165.00	Sqm
								Total	.	165.00	Sqm

Item No 10- (26.23.1) Providing and fixing ceiling at all heights with integral densified calcium silicate reinforced with fiber and natural filler ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Noncombustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on inter locking metal powder coated T-Grid of hot dipped galvanized iron section of 0.40 mm thick on Silhouette profile, rotary stitched double webbed white with 6mm reveal profile (white/black), comprising of main-T runners of size 15x42mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate cross T of size 15x42 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanized mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanized iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles

Roofing			1	x	165.00			.	=	165.00	Sqm
								Total	.	165.00	Sqm

Wall			2	x	19.03			.	=	38.06	Sqm
								Total	.	38.06	Sqm

Item No.12: (13.46.1) Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)										
Wall			1	x	236.39			.	=	Sqm
Roofing			1	x	165.00	x	0.23	.	=	Sqm
								Total		Sqm
Item No 13- (13.48A.1) Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.										
Wall			1	x	328.39			.	=	Sqm
								Total		Sqm
Item No 14- (11.15.1) Marble stone flooring, including filling the gaps with light shade pigment with white cement marble powder mixture (3 parts of white cement : 1 part of marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 white, black or white and black marble chips of sizes from 1 mm to 4 mm nominal size by volume), with under layer 25 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size), including rubbing, polishing and cement slurry etc. complete : 18 mm thick crazy marble stone white, black or as specified										
			1	x	140.00			.	=	Sqm
								Total	.	Sqm
Item No 15- (26.86.2) Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceosectory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58- 60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non-toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/ cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm ² , modulus of elasticity 900 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately). Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made. Frame size 45 x 85 mm										
			1	x	6.00			.	=	metre
			3	x	4.90			.	=	metre
								Total	.	metre
Item No 16- (26.87) Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non-toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/ borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. 30 mm thick										
			1	x	3.15			.	=	Sqm
			3	x	1.89			.	=	Sqm
								Total	.	Sqm
Item No 17- (6.4.1) Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :										
Cement mortar 1:4 (1 cement : 4 coarse sand)										
Wall			1	x	7.57	x	3.07	x	0.125	Cum
								Total	.	Cum
								Net	.	Cum

Item No 18- (13.12) 18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.												
Inside	1	x	7.57	x	3.07			.=	23.24	Sqm		
Outside	1	x	7.57	x	3.07			.=	23.24	Sqm		
							Net	.=	46.48	Sqm		
Item No 19: (13.26) Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.												
(i).Priming coat with alkali resistant primer												
Inside	1	x	7.57	x	3.07			.=	23.24	Sqm		
Outside	1	x	7.57	x	3.07			.=	23.24	Sqm		
							Total	.=	46.480	Sqm		
							Net	.=	46.480	Sqm		
Item No 20- (11.56) Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab colour of Black, Cherry / Ruby Red or equivalent												
			2	x	7.85			.=	15.70	Sqm		
			2	x	1.75			.=	3.50	Sqm		
							Total	.=	19.200	Sqm		

SUB ESTIMATE-C : Sanitary Installation estimate as per DSR 21- Vol 2				
Sl.NO	DSR 2021 Item Code	Description	Unit	Qty
1	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.		
		Concealed work including cutting chases and making good the walls etc.		
	18.8.1	15 mm nominal dia Pipes	Metre	20
	18.8.2	20mm nominal bore	Metre	15
	18.8.3	25mm nominal bore	Metre	25
	18.8.4	32mm nominal bore	Metre	25
		SANITARY INSTALLATIONS		
2	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :		
	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	each	2
3		URINAL		
	17.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :		
	17.4.1	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	2
		WASH BASIN		
4	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:		
5	17.7.3	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	Each	2
	17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings. each	Each	2
6	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106	each	5

	7509	PTMT Soap Dish/Holder 138x102x75 mm each	each	5
7	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not	each	3
	7503	PTMT Liquid Soap Container of 400 ml capacity	each	3
8		TOWEL RAIL, TOWEL RACK & TOWEL RING		
	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88	each	5
	7504	PTMT - Towel Ring 215x200x37 mm	each	5
	7505	PTMT - Towel Rail (450 mm long)	each	5
	7506	PTMT - Towel Rail (600 mm long) each	each	5
9		TOILET PAPER HOLDER		
	17.34	Providing and fixing toilet paper holder :		
	17.34.1	C.P. brass	each	5
	1889	C.P. brass toilet paper holder of standard size	each	5
10		BOTTLE TRAP		
	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and		
	17.70.1	Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	each	5
	1897	100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet	each	5
11		MIRROR		
	17.32	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm		
	17.32.1	Circular shape 450 mm dia	each	3
12	17.16A	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto		
		1 metre long with S.S. triangular plate to European type W.C. of	each	2
13	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.		
	18.50.1	15 mm nominal bore	each	3
14	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.		
	18.51.1	15mm dia, nominal bore	each	3
	18.55	Providing and fixing PTMT stop cock of approved quality		

15	18.55.2	20 mm nominal bore, 89 mm long, weighing not less than 88 gms	each	3
	18.55.1	15 mm nominal bore, 86 mm long, weighing not less than 88 gms	each	3
16	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	litre	2000

Draft Bill of Quantities (Landscaped Area)

S.NO	DESCRIPTION	UNITS	LENGT H	WIDTH	HEIGHT	AREA
1	SOIL EXCAVATION	CFT				
	Soil excavation with manpower to be done and in the depth of 6", length of 320' and width of 4'.					
			320	6	0.5	960
2	PCC LAYING	CFT				
	M15 Concrete will be poured in the ratio of 1:2:4 with the water and cement ratio.					
			320	6	0.5	960
3	DECK AREA PCC LAYING	CFT				
	M20 Concrete will be poured in the ratio of 1:1.5:3 with the water and cement ratio being kept in					
			39.04	12.6	0.5	245.952
4	PATHWAY CURBING	SFT				
	Red brick of sizes 9:4:3 is used for the curbing, and it will be joined with the cement and river motor					
			640	-	1	640
5	TILE LAYING FOR	SFT				
	Selected tile will be laid to the constructed curbing with the help of adhesive					
			640	-	1	640
6	TILE LAYING FOR PATH	SFT				
	Selected tile will be laid on the constructed pcc of pathway with the help of sand and cement mixture in the ratio of 1:4 and spread evenly under the area of each slab for the indicated thickness.					
			320	4	-	1280
7	BRICK WALL FOR DECK	CFT				
	Brick wall will be constructed on the pcc laid for the deck with red bricks of 9:4:3 and will be with the help of cement and river sand of ratio 1:5 and the filling will be done with the brick					
			39.04	12.6	2	983.808
8	DECK AREA TILE LAYING	SFT				
	Selected tile will be laid on the constructed PCC of path way with the help of sand and cement mixture in the ratio of 1:4 and spread evenly under the area of each slab for the indicated thickness.					
			39.04	12.6	-	491.904

Draft Bill of Quantities (Plantation)

Sl.no	Name of the Plant	Center to Center Distance	Quantity
1	TECOMA GAUDICHODI	10 FEET	4
2	FICUS BENJAMINA	11 FEET	4
3	TERMINELIA GREEN	12 FEET	14
4	TABUBEA ROSEA	13 FEET	6
5	DATE PALM	14 FEET	4
6	ARECA PALM	2 FEET	20
7	PHOENIX PLAM	2 FEET	20
8	RED LANTANIA	1FEET 6 INCHES	15
9	CHAMAEROPS HUMILIS	2 FEET	15
10	RAPHIS EXCELSA	2 FEET	20
11	FICUS PANDA	1FEET 6 INCHES	15
12	MURRAYA EXOTICA	1FEET 6 INCHES	15
13	TECOMA CAPENSIS	2 FEET	15
14	FICUS TRAINGULARIS	2 FEET	15
15	DRACEMA MAHATMA	1FEET 6 INCHES	13
16	CANNA INDICA	1FEET 6 INCHES	20
17	TABLE PALM	2 FEET	20
18	FURCURIA	1 FEET	45
19	ASPERAGUS FOXTAIL	1 FEET	45
20	VINCA ROSEA	1 FEET	50
21	FOUNTATIN GRASS	1 FEET	40
22	SNAKE PLANT	1 FEET	40
23	MONDO GRASS	1 FEET	40
24	UMBRELLA GRASS	1 FEET	50
25	LEMON GRASS	1 FEET	50
26	ZAMIA FURFURACEA	1 FEET	50
27	IXORA RED	1 FEET	50
28	RHEO	1 FEET	40
29	AGAVE	1 FEET	45
30	PANDANAS	1 FEET	40