



Rajiv Gandhi Centre for Aquaculture

(MPEDA, Ministry of Commerce & Industry, Govt. of India)



TENDER DOCUMENT

(Tender No. 2025_RGCA_842199)

**REPAIRS & MAINTENANCE WORKS AT RGCA - AQUATIC
QUARANTINE FACILITY (AQF) AT NEELANKARAI, CHENNAI,
TAMILNADU**

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1. INSTRUCTIONS TO BIDDER

1.1 Introduction:

The Director, Rajiv Gandhi Centre for Aquaculture (RGCA), invites bids for the Construction Works, herein after referred as “works”, of the Repairs & Maintenance work at RGCA - Aquatic Quarantine Facility (AQF) at Neelankarai, Chennai, Tamil Nadu

Rajiv Gandhi Centre for Aquaculture (RGCA) is the Research & Development arm of the Marine Products Export Development Authority. The plan scheme of MPEDA under the R&D head is being implemented by RGCA. RGCA is functioning as a Society, established in the year 1995 and registered under the Tamil Nadu Societies Registration Act, 1975. RGCA has been constituted with the objective of Not-for-Profit and for the providing necessary training and disseminating the technologies to the stakeholders for diversified aquaculture.

RGCA is involved in the development of various Sustainable Aquaculture technologies that are Bio-secure, eco-friendly and that offer traceability for seed production and grow out farming of various aquatic species, those having export potential in particular. RGCA is also developing a state-of-the-art Technology Transfer and Training Centre for disseminating the technologies developed at the various projects established at different locations in the country to the Aquaculture Industry in order to strengthen the raw material production base for export of quality marine products from India. RGCA is first of its kind in India for Diversified Aquaculture.

RGCA is presently pursuing 13 important aquaculture projects at species specific locations across the country. The headquarters of RGCA is located at Sirkali, Tamil Nadu. RGCA has successfully completed 25 years of establishment of the society by the year 2021.

The Aquatic Quarantine Facility for *L. vannamei* & *P. monodon* is a state-of-the-art facility created by MPEDA-RGCA initiated during the year 2009. The full capacity of the facility is 26 Nos. of Brooder Quarantine Cubicle & 1 No. of Parent Post Larvae Quarantine cubicles with supporting infrastructures. It is located in Neelankarai, Chennai at Tamil Nadu.

1.2 General:

- (1) The Director, Rajiv Gandhi Centre for Aquaculture (RGCA), invites bids for the Construction Works, herein after referred as “works”, of the Construction Works, Repair and Renovation of Civil Works, herein after referred collectively as “works”, at its RGCA-AQF Building, Neelankarai, Chennai, Tamilnadu, herein referred to as “Project Site”.
- (2) Site Inspection: Each bidder shall **MANDATORILY** visit and inspect the project site, before submitting the bid, on the date and time specified in the bid data, to ascertain all the necessary information, including the risks, contingencies, nature of ground, unloading & installation etc., and to acquaint himself with the local conditions.
- (3) Tender document shall mean to include the current tender document, tender forms, bill of quantity, addendum/corrigendum, if any issued in future.
- (4) The Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the bidder will sign the Integrity Agreement, which is an integral part of tender/bid documents, failing which the bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

1.3 Scope of Work:

- (1) The scope of work under this contract, at project site, shall broadly include:
 - (i) **Repair & Maintenance of works for Aquatic Quarantine Facility at RGCA - AQF Neelankarai, Chennai, Tamilnadu.**
 - (ii) **Stacking the dismantled items (Roof sheets, MS roof structural steel etc. as per BOQ)**
 - (iii) **Buy back of the scraped items which are dismantled & Removing/ Clearing the unserviceable items which are dismantled from the site.**
 - a. AQF Main Office

Renovation and up-gradation work of building via.,

 - (i) Tiles Repairing & New Tiles laying
 - (ii) Wall plastering repairing
 - (iii) Ceiling plastering repairing
 - (iv) Painting
 - (v) Removing the existing roof sheets & laying new Roofing Sheets & Gutter
 - (vi) Door and Windows
 - (vii) Sanitary & Plumbing
 - (viii) Electrical works

b. Canteen Building

Renovation and up-gradation work of building via.,

- i) Removing the existing roofing sheets & Laying new asbestos Sheets
- ii) Truss repair works

c. Scientist Quarters Building

Renovation and up-gradation work of building via.,

- (i) Removing the existing roofing sheets & Laying new asbestos Sheets
- (ii) Truss repair works

(2) Major works, as part of the scope of the work, shall include but not be limited to the following.

- (i) Obtaining all necessary approvals / clearances from appropriate Authorities, if any, relating to the work,
- (ii) Existing floor tiles removing and providing new vitrified tiles including the raising of front floor area.
- (iii) Existing false ceiling removing and providing new false ceiling
- (iv) Removing existing doors & windows & providing new flush doors and Aluminium doors
- (v) Plaster repair on wall & ceiling surface
- (vi) Painting on wall & ceiling surfaces including outer walls
- (vii) Repair & refixing the sanitary fittings in Toilet
- (viii) Removal of existing asbestos roof sheets and laying with new Non-Asbestos roofing sheet properly fixing with on wall edges.
- (ix) Providing additional lintels & sunshades
- (x) Removing all existing wirings, switch, sockets & other main breakers & providing new electrical provisions with LDB & PDB and provision for new air-conditioners.
- (xi) Miscellaneous and all related ancillary works.

(3) All work shall be performed in accordance with the terms, conditions and approved drawings and as per the instructions of the Director RGCA.

1.4 Bid Data:

Sl. No	Item	Description
1	Tender Reference No.	2025_RGCA_842199
2	Tender Inviting Authority	The Director, Rajiv Gandhi Centre for Aquaculture, (MPEDA, Ministry of Commerce & Industry, Govt. of India), 3/197, Poompuhar Road, Karaimedu Village, Sattanathapuram Post, Sirkali Taluk, Mayiladuthurai District, Tamil Nadu. Pin code: 609109. Ph: 04364 265200
3	Project Site	Rajiv Gandhi Centre for Aquaculture - Aquatic Quarantine Facility (AQF) (MPEDA, Ministry of Commerce & Industry, Govt. of India), TNFDC Hatchery Complex, Kapaleeshwarar Nagar, Beach Road, Neelankarai, Chennai, Tamil Nadu. 600115.
4	Mode of Tendering - Bidding System - Type of Contract	e-bid (CPP Portal) - Open Tender Enquiry - Two Bid System - Item Rate Works Contract
5	Estimated Value of the Works	Rs. 22,33,000/- (inclusive of all taxes & 18 % GST) (Rupees Twenty Two Lakh Thirty Three Thousand only.)
6	Tender Fee/ Cost of bid document	Rs. 1,180/- (Rupees One Thousand One hundred and Eighty Only)
7	Bid Security/ Earnest Money Deposit (EMD)	Rs. 44,660/- (Rupees Forty Four Thousand Six Hundred and Sixty only)
8	Performance Guarantee/ Performance Security	5% of the contract value (rounded off to the nearest thousand rupees)
9	Security Deposit/ Retention Money	5% of each running bill (rounded off to the nearest thousand rupees)
10	Work Completion Period	Three (3) months from the date of contract
11	Period of Bid Validity	120 days
12	Tender Publishing Date & Time	03.01.2025 (09:00 hrs)
13	Date and Time for visit and inspection of Project Site	From 11 AM to 4 PM on all days from the tender publishing date to the bid submission closing date, except on Saturdays, Sundays and Holidays.
14	Online pre-bid meeting date, time & web link	10.01.2025 (11:00 hrs) Join Zoom Meeting: https://us02web.zoom.us/j/81822202372?pwd=8AUHztEEnDikC3fck55Q3Qy1iObMcv.1

		Meeting ID: 818 2220 2372 Passcode: 275413
15	Online Bid Submission Closing Date & Time	24.01.2025 (18:00 hrs)
16	Online Bid Opening of Techno commercial Bid (Cover-I)	27.01.2025 (11:00 hrs)
17	Online Price bid Opening (Cover-II)	Date & time to be intimated later to the bidders whose Techno-commercial Bids will be found responsive.
18	Defect Liability Period (DLP)	365 Days from the date of Work Completion Certificate

1.5 Eligibility or Pre-qualification Criteria:

Bidder shall fulfil all the eligibility criteria (otherwise specified as pre-qualification criteria) as detailed below. Bids which fails to fulfil, any one or more of the below eligibility criteria, will be considered non- responsive.

- (1) The bidder shall submit pre-qualification form (as per format provided in Form-1) duly filled. All data along with supporting documents shall mandatorily be filled/ uploaded
- (2) The bidder/ firm/ company should have a valid registration from PWD/ CPWD/ MES/ ISRO and enlisted value should be equivalent to or more than the estimated value of the works.
- (3) The bidder shall submit a copy of the registration document for the company/firm (not applicable in case of proprietary or unregistered partnership firm).
- (4) The bidder/ firm/ company should possess valid GST registration (submit photocopy).
- (5) The bidder shall submit a copy of the PAN of the company/firm (PAN of the Proprietor in case of a proprietary firm).
- (6) The bidder shall submit proof of successful completion of either of the below works, during the last seven years:
 - One construction work in the field of building construction, costing not less than the amount equal to 80% of the estimated cost; or

- Two construction works in the field of building construction, costing not less than the amount equal to 50% of the estimated cost; or
 - Three construction works in the field of building construction, costing not less than the amount equal to 40% of the estimated cost.
- (7) Financial Eligibility Criteria/ Financial Capabilities:
- a. Annual Contractual payments received during the last 03 years or the current financial year up to the date of inviting of tender must be at least 150% of the advertised estimated value of this tender. Audited Balance Sheet and Profit and Loss Statement and Form 16A/26AS generated through TRACES of Income Tax Department of India, certified by the Chartered Accountant shall be submitted
 - b. Solvency Certificate from the Competent Authority (District Magistrate) or Liquidity Ratio certified by the Chartered Accountant shall be submitted. (Acceptable Liquidity Ratio is more than 01).
 - c. Past 05 years net worth and construction turnover certificates, duly certified by Chartered Accountant shall be submitted. (Acceptable Annual average construction turnover should be at least 40% of the advertised value of tender)
- (8) The bidder shall submit in the portal, a copy of duly filled Integrity pact as per the format provided in Form-2.
- (9) The bidder shall visit and inspect the project site any time during the time and date specified in the bid data for the purpose and submit a self-certified copy, while uploading in the portal, as a proof of the visit (As per format provided in Form-3).

1.6 Time Schedule: Total duration 3 Months :

Tentative Project Schedule - Repair & Maintenance of works for Aquatic Quarantine Facility At RGCA-AQF, Neelankarai, Chennai, Tamilnadu .													
Sl. No.	Description of Works	Duration in Weeks											
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
1	Main Office Building												
2	Canteen Block												
3	Scientist Quarters												
4	Finishing & Handling over												

1.7 Payment Schedule:

Stage	Description	Percentage of Payment Entitled on the Total Contract Value
Milestone 1	Main Office Civil works including Joineries & Sanitary fixtures works	35%
Milestone 2	Main Office Roof works	20%
Milestone 3	Main Office Electrical works	15%
Milestone 4	Canteen Block Roof works	15%
Milestone 5	Scientist Quarters Roof works	15%

Note 1: All above payments are subject to deduction of retention amount or any other amount as specified in the relevant paragraph, taxes and all other statutory deductions, if any.

Note 2: Release of payment with respect to retention amount, performance security and others (if any), will be as per the provisions specified in the relevant paragraph.

2. General Conditions of the Contract

2.1. Definitions:

In the tender document/ contract, as hereinafter defined, the following words and expressions shall have the meanings hereby assigned to them, except where the context otherwise requires.

- (1) "Approved" means, approved in writing, including subsequent written confirmation of previous verbal approval, by the competent authority and "approval" means approval in writing, including as aforesaid.
- (2) "Calendar day" means a period of twenty-four hours extending from midnight to midnight.
- (3) "Constructional Plant" means all appliances or things of whatsoever nature required in or about the execution of maintenance of the works but do not include materials or other things intended to form or forming part of the permanent works.

- (4) "Contract" means the conditions of contract, specifications, drawings, schedule of prices and all other documents included in the tender documents, including annexures, amendments/corrigendum (if any) and letter of acceptance .
- (5) "Contract Price" means the sum named in the Letter of acceptance, subject to such additions thereto or deductions there from as may be made under the provisions hereinafter contained.
- (6) "Contractor" means the person or persons, firm or company whose tender has been accepted by the Director RGCA and includes the contractor's authorized representatives, workmen, staff, successors and permitted designs.
- (7) "Currency" shall mean the Indian National Rupees, herein after specified as "Rs." or "INR".
- (8) "Drawings" means the drawings referred to in the specification and any modification of such drawings approved in writing by the Director RGCA and such other drawings as may from time to time; be furnished or approved in writing by the Director RGCA.
- (9) "Engineer" means an official or a representative of the Director RGCA who will be overall in charge for the project.
- (10) "Government" shall mean the Government of India.
- (11) "Ministry" shall mean the Ministry of Commerce and Industry, Government of India.
- (12) "Month" means the Gregorian calendar month and all times shall be according to the Gregorian calendar.
- (13) "Permanent works" means the permanent works to be executed and maintained in accordance with the contract.
- (14) "RGCA" means the Rajiv Gandhi Centre for Aquaculture, acting through its Director and legal successors in title to and assignee of RGCA.
- (15) "Schedule of Rates" shall mean the relevant schedule(s) annexed to the tender document issued by the Director RGCA for the particular contract, and amendments issued thereto from time to time.

- (16) "Site", otherwise specified as "Project Site" or "Work Location", means the land and other places on, under, in or through which the permanent works or temporary works are to be executed and any other land and places provided by the Director RGCA for working space or any other purpose as may be specifically designated in the contract as forming part of the site.
- (17) "Specification" means the specification referred to in the tender and any modification thereof or addition thereto as may from time to time furnished or approved in writing by the Director RGCA.
- (18) "Temporary works" means all temporary works of every kind required in or about the execution or maintenance of the works.
- (19) "Tender date" means the closing date fixed for receipt of tenders as per notice inviting tenders or as extended by subsequent notification.
- (20) "Time" expressed by hours of the clock shall be according to the Indian Standard Time.
- (21) "Works" shall mean the works to be executed in accordance with the contract or part thereof as the case may be and shall include all extra or additional, altered or substituted or temporary works as required for performance of the contract and urgent works needing urgent measures which in the opinion of the engineer become necessary during the process of work to obviate any risk or accident or failure.

2.2. Abbreviations:

In the tender document/ contract, as hereinafter defined, the following abbreviations shall have the meanings hereby assigned to them, except where the context otherwise requires.

CPWD	Central Public Works Department, Government of India
GoI	Government of India
GST	Goods and Services Tax
INR	Indian National Rupees
IS	Indian Standard
IST	Indian Standard Time
MoC	Ministry of Commerce and Industry, Government of India
MES	Military Engineering Services
MPEDA	Marine Products Export Development Authority, Government of India
PWD	Public Works Department of the State Government/ Union Territory
RGCA	Rajiv Gandhi Centre for Aquaculture

2.3. Interpretations:

- (1) Singular and Plural: Words importing the singular only also include the plural and vice versa, where the context requires.
- (2) Heading or Notes: The headings and marginal notes, in these conditions of contract shall not be deemed to be part thereof or to be taken into consideration in the interpretation or construction thereof of the contract.
- (3) Cost: The word "Cost" and shall be deemed to include overhead costs whether on or off the site.
- (4) Co-relation and Order of Precedence of Tender Documents: If the stipulations in the various tender documents be found to be at variance in any respect, one will override others (but only to the extent these are at variance) in the order or precedence as given in the list below, i.e., any particular item in the list will take precedence over all those placed lower down in the list.
 - (i) Description in the schedule of quantities.
 - (ii) Instructions to Bidder
 - (iii) Special conditions of the contract
 - (iv) Technical specifications for materials and workmanship and drawings given herein
 - (v) Conditions and requirements of tendering
 - (vi) General conditions of the contract
 - (vii) CPWD specifications
 - (viii) IS specifications (latest version)

2.4. Contract and contract documents:

- (1) The bidder whose bid/ tender is accepted, is bound to execute an agreement with the Director RGCA in accordance with the draft annexed with this tender document, and other papers stated to be forming part thereof, but his liability under the contract shall commence from the date of written order to commence the work whether the agreement is drawn or not. The contractor shall bear all expenses in connection with the execution of the agreement including fees for stamping and registration of documents as required. Failure to execute the agreement in specified time shall entail action against the contractor as per the provisions stipulated in this tender documents.

- (2) The contractor shall, when called upon to do so, enter into and execute a contract, to be prepared and completed at the cost of the contractor, in the form with such modification as may be necessary.
- (3) The contract documents shall be drawn up in the English language. All correspondence, orders, notices etc. shall also be in English.
- (4) The laws of India and those of the State in which the works are situated shall apply to the contract.
- (5) The several documents forming the contract are to be taken as mutually explanatory of one another, but in case of ambiguities or discrepancies the same shall be explained and adjusted as per the provisions in clause “co-relation order of precedence of tender documents” of this contract, by the engineer, who shall thereupon issue to the contractor instructions thereon and these shall be final and binding on the contractor.
- (6) Except with the prior written approval of the Director RGCA and subject to such conditions as may be prescribed, the contractor and/ or any member or his organization shall not in any case communicate to any person or entity any information in connection with the performance of the services or in carrying out the works nor make public any information for the purpose of publication or advertisement. All matters relative to the contract shall be treated by the contractor as private and confidential.
- (7) In case of an interference or temporary interruption become essential for carrying out the works, the contractor shall approach the Director RGCA and carry out all measures that the Director, RGCA may direct or through his personal intervention, by the exercise of authority by person or persons connected with the works.

2.5. Duties and Powers of the Director RGCA:

- (1) The Director RGCA shall carry out such duties in issuing decisions, certificates and orders as are specified in the contract. Fixation and acceptance of rates for altered or substituted items of work or for additional items of work shall however always rest with the same authority (by designation) as had accepted the original tender (for and on behalf of the Director RGCA).
- (2) The engineer in-charge shall be responsible to the Director RGCA and his duties are to watch and supervise the works and to test and examine any materials to be used or workmanship employed in connection with the

works. He shall have no authority to relieve the contractor of any of his duties or obligations neither under the contract nor except as expressly provided hereunder or elsewhere in the contract, neither to order any work involving delay or any extra payment by the Director RGCA, nor to make any variation of, or in the works.

- (3) The Director RGCA may from time to time in writing delegate to the engineer in-charge any of the powers and authorities vested in the Director RGCA and shall furnish to the contractor and to the engineer in-charge a copy of all such written delegations of powers and authorities. Any written instruction or approval given by the engineer in-charge to the contractor within the terms of such delegations, but not otherwise, shall bind the contractor and the Director RGCA as though it had been given by the Director RGCA.
- (4) Failure of the engineer in-charge to disapprove any work or materials shall not prejudice the power of the Director RGCA thereafter to disapprove such work or materials and to order the pulling down, removal or breaking up thereof.
- (5) If the contractor shall be dissatisfied by reasons of any decision of the engineer in-charge he shall be entitled to refer the matter to the Director RGCA, who shall thereupon confirm, reverse or vary such decision. The Director RGCA decision shall be conclusive and binding on the contractor.
- (6) The Director RGCA and the engineer in-charge shall also perform such other duties and roles as specified elsewhere in this tender document.

2.6. Contractor's General Responsibilities:

- (1) The contractor shall, subject to the provisions of the contract, and with due care and diligence, execute and maintain the works and provide all labour, including the supervision thereof, materials, constructional plant and all other things, whether of a temporary or permanent nature, required in and for such execution and maintenance.
- (2) Wherever it is mentioned in the specification/conditions that the contractor shall perform certain work or provide certain facilities, it is understood that the contractor shall do at his own cost and the contract price shall be deemed to have included cost of such performance and provisions, so mentioned, unless otherwise specified elsewhere.

- (3) The contractor shall execute and maintain the works strictly in accordance with the contract to the satisfaction of the Director RGCA and shall comply with and adhere strictly, to the Director RGCA's instructions and directions on any matter whether mentioned in the contract or not, touching or concerning the works. The contractor shall take instructions and directions the Director, RGCA subject to the limitations referred to in clause "Duties and Powers of the Director RGCA"
- (4) The contractor shall also take full responsibility for the adequacy, stability and safety of all site operations and methods of construction.
- (5) The contractor shall give or provide all necessary superintendence during the execution of the works and as long thereafter as the Director RGCA may consider necessary for ;the proper fulfilling of the contractor's obligations under the contract. The contractor shall engage an experienced and qualified Site Manager to be in day-to-day charge of the work. The contractor or his manager whose engagement is subject to approval in writing by the Director RGCA, which approval may at any time be withdrawn, is to be constantly on the works and shall given his whole time the superintendence of the same. If such approval is withdrawn by the engineer in-charge, the contractor shall having regard to the requirement of replacing him as hereinafter mentioned, after receiving written notice of such withdrawal remove the manager from the works and shall not thereafter employ him again on the works in any capacity and shall replace him by another agent approved by the Director RGCA, promptly and positively within a week. Such authorized agent or representative shall receive, on behalf of the contractor, directions and instruction from the Director RGCA or, subject to the limitations of clause "Duties and Powers of Director RGCA". The Manager or representative of the contractor must be able to speak and communicate in English. The contractor shall during working hours maintain site manager, engineers and supervisors of sufficient training and experience to supervise the various items and operations of the work. Orders and directions given to such manager, engineers, supervisors and/or other staff of the contractor shall be deemed to have been given to the contractor.
- (6) If there is a separate site manager appointed by the contractor for the works, then the contractor shall at least once in a month inspect the works and shall discuss with the Director RGCA, the conduct and progress of the work.
- (7) In the absence of the contractor's designated agent or representative for a particular operation on any site of the works the contractor's supervisory staff or sub-agent or leading hands shall be instructed to receive and

carryout any instruction or direction issued by the Director RGCA or the engineer in-charge.

- (8) The contractor shall also perform such other duties and roles as specified elsewhere in this tender document.
- (9) The contractor shall not, otherwise than in accordance with the statutes, ordinances and government regulations or orders for the time being in force, import sell, give barter or otherwise dispose of any alcoholic liquor, or drugs, or arms and ammunition, or permit or suffer any such importation, sale, gift, barter or disposal by his sub-contractors, agents, employees or labour.

2.7. Assignment, Sub-letting and Sub-contracting:

- (1) The contractor shall not assign the contract, either in full or any part thereof, or any benefit or interest therein or there under to any other individual or firm or company, without the prior written consent of the Director RGCA.
- (2) The contractor shall not sub let the whole of the works or any part of the works, except where otherwise provided by the contract, without the prior written consent of the Director RGCA. Such consent, if given, shall not relieve the contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of any sub-contractor, his agents, servants or workmen as fully as if they were acts defaults or neglects of the contractor his agents, servants or workmen.
- (3) Provided always that the provision of labour on a piecework basis shall not be deemed to be a sub-letting under this clause.
- (4) All specialists, merchants, tradesmen and others executing any work or supplying any goods, materials or services for which provisional sums, if any, are included in the contract, who may have been or be nominated or selected approved by the Director RGCA or the engineer in-charge, and all persons to whom by virtue of the provisions of the contract, the contractor is required to sublet any work shall, in the execution of such work or the supply of such goods, materials or services, be deemed to be sub-contractor(s) employed by the contractor and are referred to in this contract as "nominated Sub-Contractors".
- (5) Prior to the engagement of any sub-contractor, the contractor shall submit in writing his proposal to the Director RGCA giving details about the credentials of the sub-contractor on the basis of which the Director RGCA shall consider the nomination of the sub-contractor and inform the contractor accordingly in writing. Only upon receipt of express written

approval, the contractor shall engage the nominated sub-contractor for the work.

- (6) The permitted appointment of the sub-contractor shall not establish/entail any contractual relationship between the sub-contractor and the Director RGCA and shall not relieve the contractor of any responsibility under the contract. The activities of a sub-contractor shall be governed by his contract with the contractor, however it is subject to the provisions laid down in the original contract between the Director RGCA and the contractor.

2.8. Standards, Design, Drawing, Specification, Measurement and Variation:

- (1) Standards:
The materials, design and workmanship shall satisfy the applicable relevant Indian standards the job specifications contained herein a codes referred to where the job specifications stipulate requirements in addition to those contained in the standard codes and specifications of the Bureau of Indian Standards, Indian Electricity Act and Rules, Fire Insurance Regulations, Regulations laid down by the Chief Electrical Inspector and State Electricity Board. Regulations laid down by Chief Inspector of Explosives and/or any other regulations laid down by the government or local authorities.
- (2) Materials/Items procured by the Contractor shall be as per the list of approved makes provided in Annexure - 1. Any material/item not listed in the approved list, may be procured with the concurrence of the Engineer in-charge.
- (3) The Director RGCA shall have full power and authority to supply to the contractor from time to time during their progress of the works, such drawings and instructions as shall be necessary for the purpose of proper and adequate execution and maintenance of the works. The contractor shall carry out and be bound by the same.
- (4) The drawings shall remain in the sole custody of the Director RGCA, but two copies thereof shall be furnished to the contractor free of charge. The contractor shall provide and make at his own expenses any further copies required by him. At the completion of the contract, the contractor shall return to the Director RGCA all drawings provided under the contract.
- (5) One copy of the drawings, furnished by the Director RGCA as aforesaid, shall be kept by the contractor on the site and the same shall at all times

be available for inspection and use by the Director RGCA or engineer in-charge and by any other person authorized by the Director RGCA.

- (6) If, by reason of any failure or inability of the Director RGCA to issue within a time reasonable in all the circumstances any drawings or order requested by the contractor in accordance with sub-clause “Disruption of Progress”, the contractor suffers delay then the Director RGCA shall take such delay into account in determining any extension of time to which the contractor is entitled under clause “Extension of Time for Completion”.
- (7) Specifications:
In the case of any class of work for which there is no specification in the tender document, CPWD Specifications and the I.S.S. or in the said specifications forming part of the tender documents or in case there is variation, such work shall be carried out in all respects in accordance with the instructions and requirements of Director RGCA.
- (8) Measurement of quantities:
 - (i) The quantities set out in the schedule of prices are the estimated quantities of the work. But they are not to be taken as the actual and correct quantities of the works to be executed by the contractor in fulfillment of his obligations under the contract.
 - (ii) The works shall be measured net, notwithstanding any general or local custom, except where otherwise specifically described or prescribed in the contract.
- (9) Works to be measured:
 - (i) The Engineer in-charge shall, except as otherwise stated, ascertain and determine by measurement the value in terms of the contract of work done in accordance with the contract. They shall when requires any part /or parts of the works to be measured, give notice to the contractor’s authorized agent or representative who shall forthwith attend or send a qualified agent to assist the Engineer in-charge in making such measurement and shall furnish all particulars, labour, instruments, tapes etc., required for measurement by either of them, should the contractor not attend, or neglect or omit to send such agent, then the measurement made by the Engineer in-charge shall prepare records and drawings by month of such work and the contractor, as and when called upon to do so in writing, shall within, fourteen days, attend to examine and

agree such records and drawings with the Engineer in-charge and shall sign the same when agreed. If the contractor does not attend to examine and agree such records and drawings, they shall be taken to be correct. If, after examination of such records and drawings, the contractor does not agree to the same or does not sign the same as agreed, they shall nevertheless be taken to be correct, unless the contractor shall, within fourteen days of such examination, lodge with the Director-RGCA, for decision taken by the Engineer in-charge, notice in writing of the respects in which such records and drawings are claimed by him to be incorrect. The Director RGCA's decision shall be final binding and conclusive.

(ii) Nothing withstanding Para 9 (i) above Director-RGCA, either directly or through his/her representative, may undertake measurement, either in full or on selection basis.

(10) Computerized Measurement Book:

(i) Engineer in-charge shall, except as otherwise provided, ascertain and determine by measurement, the value of work done in accordance with the contract.

(ii) All measurement of all items having financial value shall be entered by the contractor and compiled in the shape of computerized measurement books having pages of A-4 size as per the format so that a complete record is obtained of all the items of works performed under the contract.

(iii) All such measurements and levels recorded by the contractor or his authorized representative from time to time, during the progress of the work, shall be got checked by the contractor from the engineer in-charge or his authorized representative as per interval or programme fixed in consultation with the engineer in-charge or his authorized representative.

(iv) After the necessary corrections made by the engineer in-charge, the measurement sheets shall be returned to the contractor for incorporating the corrections and for re submission to the engineer in-charge for the dated signatures by the engineer in-charge and the contractor or their representatives in token of their acceptance.

(v) Whenever bill is due for payment, the contractor would initially submit draft computerized measurement sheets and these

measurements would be got checked/ test checked from the engineer in-charge and/ or his authorized representative. The contractor will, thereafter, incorporate such changes as may be done during these checks/ test checks, in his draft-computerized measurements, and submit a computerized measurement book, duly bound and with its pages machine numbered. The engineer in-charge and/ or his authorized representative would thereafter check this measurement book, and record the necessary certificates for their checks, test checks.

- (vi) The final, fair, computerized measurement book given by the contractor, duly bound, with its pages machine numbered should be 100% correct and no cutting or over-writing in the measurements would thereafter be allowed. If at all any error is noticed, the contractor has to submit a fresh computerized measurement book with its pages duly machine numbered and bound, after getting the early measurement book cancelled. The contractor shall submit three spare copies
- (vii) The contractor shall also submit separately his computerized abstract of cost and the bill based on these measurements, duly bound, and its pages machine numbered along with two spare copies of the bill. The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for checking of measurements/levels by the engineer in charge or his representative. Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant standard method of measurement or any general local or custom. In the case of any items that are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available then a mutually agreed method shall be followed.
- (viii) Engineer in-charge or his authorized representative may cause either themselves or through another person to check the measurements recorded by the contractor and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.
- (ix) It is also a term of this contract that checking and/ or test checking the measurements of any item of work in the measurement book and/ or its payment in the interim, on account of final bill shall

not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed till completion of the defect's liability period.

(11) Cement:

- (i) Cement shall be measured by weight and in whole bags each undisturbed and sealed 50 kg bag being considered equivalent to 35 litres (1.2 cft.) in volume. Care should be taken to see that each bag contains the full quantity of cement. When part bag is required cement shall be taken by weight or measured in approved measuring boxes.
- (ii) No make of cement other than the approved by Director RGCA will be allowed to be used on works and the source of supply shall not be changed without approval of Director RGCA in writing. Test Certificates to show that cement is fully complying with the specifications shall be submitted to Director RGCA and notwithstanding this. The Director RGCA may at either discretion, order that the cement brought on site and which they may consider damaged or of doubtful quality or for any reason whatsoever, shall be retested by the contractor at his own cost, in an approved testing laboratory and fresh certificates of its soundness shall be produced. Cement ordered for retesting shall not be used on any work pending results of retest.
- (iii) Cement shall be stored in a weatherproof shed with raised wooden plank or brick flooring to prevent deterioration by dampness or intrusion of foreign material. It shall be so stored as to allow the removal and use of cement in chronological order of receipt, i.e., first procured being first used. Cement deteriorated and/or clotted shall not be used on work but shall be removed at once from the site. Cement stored, though properly, for 3 months or more may have lost its properties, is liable for retest.
- (iv) Daily record of cement received and consumed shall be maintained by the contractor in a register of approved form and is kept in an accessible place at site available to Director RGCA their representative, for inspection, and extracts thereof shall be submitted to Director RGCA from time to time.

(12) Steel reinforcement:

- (i) The latest edition with up-to-date correction steps shall be adopted in all BIS specification wherever indicated. Chemical and Mechanical properties of steel shall be established by tests.

- (ii) All finished bars shall be free from cracks, surface flaws, lamination's, jagged and imperfect edges. All twisted deformed bars shall be visually examined for pitch length to ensure the strength of individual bars irrespective of test reports.
- (iii) Steel reinforcement shall be stored properly and when stored in open yards shall be free of the ground and if they are to be stored long, shall be protected by a coat of cement which shall be revived if serious discoloration sets in.
- (iv) For the purpose the contractor shall indicate his assumed cost of steel on delivered at site.
IS : 1786 - CRS - FE 500/T
HYSD BARS FE 500-TMT as mentioned in Annexure 1 & BOQ
IS : 226 / 432 - MS BARS / T

(13) Figures, Dimensions and Drawings:

Figures, dimensions and drawings shall supersede measurements by scale. Drawings to a large scale shall take precedence over those to a smaller scale.

(14) Plea of custom:

The plea of custom prevailing will not on any account be permitted as an excuse for an infringement of any of the conditions of the contract or specifications.

2.9. Possession of the site:

- (1) Save in so far as the contract may prescribe, the extent of portions of the site of which the contractor is to be given possession from time to time and the order in which such portions shall be made available to him and, subject to any requirement in the contract as to the order in which the works shall be executed, the Director RGCA with the written order to commence the work given to the contractor possession of so much of the site as may be required to enable the contractor to commence the works, to commence and proceed with the execution of the works in accordance with the programme referred to work description in the BoQ, if any, and otherwise in accordance with such reasonable proposals of the contractor as he shall, by written notice to the Director RGCA make and will, from time to time as the works proceed, give to the contractor possession of such further portions of the site as may be required to enable the contractor to proceed with the execution of the works with due despatch in accordance with the said programme or proposals, as the case may be. If the contractor suffers delay from failure on the part of the Director

RGCA to give possession in accordance with the terms of this clause, the Director RGCA shall grant an extension of time for the completion of the works but such delay will not entitle the contractor to damages or any compensation.

- (2) Access to the site:
 - (i) The contractor shall bear all costs and charges for special or temporary way leaves required by him in connection with access to the site.
 - (ii) If approach road is available to the site, contractor will be allowed to use the same. In the event of any damage done to the road by the contractor or his personnel or the supplier to the contractor, the same shall be rectified by the contractor free of cost.
 - (iii) Preparing approaches and working area for the movement and operation of cranes, leveling the areas for assembly and erection shall be the responsibility of the contractor.
- (3) The Director RGCA shall have the right to take possession for use of any completed or partly completed part of the work. Such possession or use shall not be deemed to be an acceptance of any work not completed in accordance with the contract.

2.10. Execution of work:

- (1) The contractor shall be entirely responsible for executing the work covered under this tender document in a workmanlike and expeditious manner as per the time schedule, specifications, drawings and construction aids such as concrete mix, vibrators, transportation equipment, tools and tackles as well as testing appliances/ machines etc., and the necessary supervisory personnel, skilled, semi-skilled and unskilled labour shall be provided by the contractor to achieve the monthly/ weekly targets and the overall time schedule.
- (2) Programme/schedule to be furnished:
 - (i) The contractor, within a period of 15 days from the award of contract, shall submit a programme showing the order of procedure how he proposes method statement on all important items of work covering processes equipment, quality controls, well defined to carry out the work within the time period in the tender, to the Director RGCA for their approval.

- (ii) The approved programme shall be followed by the contractor without any reservation. The contractor shall whenever required by the engineer in-charge, also provide in writing for his information a general description of the arrangements and methods which the contractor proposes to adopt for execution of the works.
 - (iii) If any time it should appear to the Director RGCA that the actual programme of the works done is not in conformation to the approved programme, the contractor shall produce, within a period of 15 days from the request of the Director RGCA, a revised programme, showing the modifications to the approved programme necessary to ensure completion of the works within the time for completion as defined in clause "Time of Completion & Progress of Work".
 - (iv) The submission to and approval by the Director RGCA or engineer in-charge of such programmes or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities under the contract.
 - (v) Delays in submission of the original approved programme and the subsequent revised programmes, beyond the stipulated period shall attract penalty as defined in the relevant clause.
- (3) Works, if any, is executed as per contractor's own design and drawings, he shall bear the full responsibility for the adequacy and soundness of this design and drawings.
- (4) Before the execution of each milestone the contractor should ensure availability of necessary materials at the site for the works related to the milestone. Failing which contractor will not be permitted to start the works relating to the milestone. In such case, the contractor shall be wholly responsible for any delay and related cost and would be liable for penalty towards delay.
- (5) Co-ordination with other agencies:
- The work shall be carried out in such a manner that the work of other agencies operating at the site is not hampered due to any action of the contractor. The contractor will be responsible for ensuring proper coordination with other agencies. In the event of any dispute between the contractor and any other agency employed at or about the job site arising out of or related to the performance of the work, the decision of the engineer in-charge shall be final and binding on the contractor.
- (6) Work during Night, Sunday and Holiday:

- (i) If Director RGCA is satisfied that the work is not likely to be completed in time except by restoring to night work or sundays and holidays, the contractor shall be required by a special order, to carry out the work even at night or Sundays or holidays, by providing necessary and adequate lighting and refreshment arrangements at his cost. This will, however, not confer any right on the contractor for any claim for any extra payment for introducing such working during night or Sunday or holiday. The decision of the engineer in-charge in this regard will be final and binding on the contractor.
 - (ii) Subject to provisions in local Acts and any Statues of the State, the contractor shall arrange for working at night, on sundays and holidays, whenever as desired by the Director RGCA to expedite progress and complete the works in time.
 - (iii) The contractor shall not be entitled to any additional payment for taking up works at night or on sundays and holidays. When a work at night has to be carried out, the contractor shall at his own cost and expense, make adequate arrangements for lighting and provide necessary facilities and comply with all stipulations as may be imposed by the Director RGCA/ engineer in-charge. The contractor should be prepared to resort to round the clock working by following shift timings for labour if needed.
- (7) Water and Electricity:
- (i) Water for construction purpose has to be arranged by the contractor at his own risk and cost.
 - (ii) The contractor has to make his own arrangements for power supply from the competent authority or any other source and further distribution and shall pay charges at local existing power tariff as applicable at the project site directly to the power supplying agency/ Organization /Institution or any other agencies.
 - (iii) All electrical connections carried out by the contractor shall meet the statutory requirements, as applicable from time to time. Changes, if any as incorporated in the statutory rules and regulations from time to time shall be applicable to the electrical connection done by the contractor.
 - (iv) All the equipment's/ distribution boxes should have double earthing from the nearest earth pits or from the board earth bus.

- (v) All electrical connections has to be done by a competent licensed electrician with valid license and to the satisfaction of the Director RGCA. During working hours (including over time) one licensed competent electrician shall be available at site to attend to the normal jobs/ emergency jobs. All switch boards/ welding machines shall be kept inside covered sheds to protect them from rain. No inflammable material shall be used for constructing the covered sheds.
- (vi) All electrical equipment's shall be switched off after the job, every day by contractor's authorized electrician. Only metallic distribution boxes with double earthing shall be used at the site. Wooden boxes shall not be allowed. Supply for lighting / grinding shall be taken only using 3 pin plug / socket connectors with interlocking arrangements. Two pin plugs shall not be allowed. Contractor shall submit in time the required forms like schemes, completion reports etc. as specified by Director RGCA to enable energizing the contractor's electrical network.
- (vii) No looping of electrical supply shall be allowed. For all three-phase supplies, only armored aluminium cables of suitable sizes or flexible copper cables of 4 x 6 Sq.mm and above shall be allowed.

2.11. Disruption of work:

- (1) The contractor shall give written notice to the Director RGCA well in time whenever planning or progress of works is likely to be delayed or disrupted if any further drawings or order, including a direction, instruction or approval, is to be issued by the Director RGCA within a reasonable time. The notice shall include details of the drawings or order required and of why and by whom it is required and of any delay or disruption likely to be suffered if it is late.
- (2) The contractor shall, on the written/verbal orders of the Director RGCA suspend the progress of the works or any part thereof for such time or times and in such manner as the Director RGCA may consider necessary and shall, during such suspension, properly protect and secure the work so far as is necessary in the opinion of the Director RGCA. The contractor shall not be paid by extra cost for such suspension of the work except that suitable time extension would be granted. If however, such suspension results from any failure of the contractor, the contractor will have to make good any losses that the Director RGCA may incur on this account.
- (3) If the progress of the works or any part thereof is suspended on the written orders of the Director RGCA and if permission to resume work is not given by the Director RGCA within a period of ninety days from the date of suspension then, the contractor may serve a written notice on the

Director RGCA requiring permission within twenty eight days from the receipt thereof, to proceed with the works of that part thereof in regard in which progress is suspended and, if such permission is not granted within that time, the contractor by a further written notice so served may, but is not bound to, elect or treat the suspension where it affects part only of the works as an omission of such part under clause "Alterations, Additions and Omissions" where it affects the whole works as an abandonment of the contract by the Director RGCA and contract determined under clause "Valuation at date of forfeiture".

- (4) The contractor shall commence the works on site within a period of seven days after the receipt by him of a written order to this effect from the Director RGCA and shall proceed with the same with due expedition and without delay, except as may be expressly sanctioned or ordered by the Director RGCA or be wholly beyond the contractor's control.
- (5) Removal of plant on termination:
If the contract shall be terminated under the provisions of the last preceding sub-clause, the contractor shall, with all reasonable despatch, remove from the site all constructional plant and shall give similar facilities to his sub-contractors to do so.

2.12. Completion of work & Defects Liability Period (DLB) :

- (1) Certification of completion of works:
 - (i) The contractor shall intimate the Director RGCA in writing the completion of all the works as per the contract. When the whole of the works is completed in all respects to the full satisfaction of the Director RGCA, he shall determine the date on which the works are considered to have been completed and issue a certificate of completion stating the date on which works are considered to have been completed.
 - (ii) The Director RGCA shall determine, from time to time, the date on which any particular section of the work shall have been completed and the contractor shall be bound to observe any such determination by the Director RGCA.
- (2) The contractor, after completion of the whole of the works to the satisfaction of the Director RGCA, shall be bound to handover the works to the Director RGCA.
- (3) Clearance of site:
 - (i) On completion of the works, the contractor shall clear away and remove from the site all constructional plant, surplus materials,

rubbish and temporary works of every kind and leave the whole of the site and works clean in a workman like condition to the satisfaction of the Director RGCA. No final payment in settlement of the accounts for the works shall be paid, held to be due or shall be made to the contractor till, in addition to any other condition necessary for such final payment at site clearance shall have been affected by him, and such clearance may be made by the Director RGCA at the expense of the contractor in the event of his failure to comply with this provision within Fifteen (15) days after receiving the notice to that effect.

- (ii) Should it become necessary for the Director RGCA to have the site cleared at the expense of the contractor, the Director RGCA shall not be held liable for any loss or damage to such of the contractor's property as may be on site and due to such removal there from, which removal may be effected by means of public sale of such materials and property or in such a way as deemed fit and convenient to the Director RGCA.

(4) Defects Liability Period (DLB)

- (i) The Defects Liability Period shall be 01 (One) year or 365 (Three Hundred Sixty Five) Days reckoned from the date of actual completion of full works as per the agreed tender specification, terms & conditions with full satisfaction.
- (ii) The contractor shall be fully responsible for rectifying / repairing any defects or damages happened within this period, such as any damages of the roofing sheets & structures, and even wear & tear for other works in this contract agreement. .

(5) Certificate of final acceptance:

- (i) The contractor's obligation and responsibilities under the contract will be considered satisfied and the completed permanent works accepted when the Director RGCA has issued the certificate of final acceptance to the contractor, after the issue of maintenance certificate.
- (ii) No certificate other than the maintenance certificate referred to in clause "Maintenance Certificate" shall be deemed to constitute approval of the completion of works.

- (6) Maintenance certificate:
- (i) As determined in DLP the maintenance period shall be 01 (One) Year or 365 (Three Hundred Sixty Five) Days from the date of the actual completion of full works.
 - (ii) The maintenance certificate stating that the works have been completed and maintained to the satisfaction of the Director RGCA shall be issued by him or his authorized representative within twenty-eight days after the expiration of the period of maintenance. This contract shall not be considered as completed until a maintenance certificate has been signed by the Director RGCA and delivered.
 - (iii) With regard to defects that may arise during the period of maintenance, the contractor shall be responsible to carry out restoration/ rectification of damages as are attributable to defects in works carried out under this contract to the full satisfaction of the Director RGCA and is subject to clause "Maintenance and Defects" of this contract.
 - (iv) Cessation of Director RGCA's liability:
The Director RGCA shall not be liable to contractor for any matter or thing arising out of or in connection with the contract or the execution of the works, unless the contractor shall have made claim in writing in respect thereof before the giving of the maintenance certificate.

2.13. Unfulfilled obligations:

- (1) Notwithstanding the issue of the maintenance certificate to the contractor and subject to sub-clause of this clause, the contractor shall remain liable for the fulfillment of any obligation incurred under the provisions of the contract prior to the issue of the maintenance certificate which remains unperformed at the time such certificate is issued, and for the purpose of determining the nature and extent of any such obligation, the contract shall be deemed to remain in force between the parties hereto.
- (2) Urgent repairs:
If, by reason of any accident, or failure or other event occurring to in or in connection with the works, or any part thereof, either during the execution of the works, or during the period of maintenance, any remedial or other work or repair or repairs shall, in the opinion of the Director RGCA be urgently necessary for the safety of the works and the contractor is unable or unwilling at once to do such work or repair, the Director RGCA may employ and pay other persons to carry out such works or repair as the Director RGCA may consider necessary, if the

work or repair so done by the Director RGCA is work which, in the opinion of the Director RGCA, the contractor was liable to do at his own expense under the contract, all expenses incurred by the Director RGCA in so doing shall be recoverable from the contractor, provided always that the Director RGCA, as the case may be, shall, as soon after the occurrence of any such emergency as may be reasonably practicable, notify the contractor thereof writing.

(3) Default of contractor:

If the contractor shall become bankrupt, or have a receiving order made against him, or shall present his petition in for bankruptcy, or shall make an arrangement with or assignment in favour of his creditors, or shall agree to carry out the contract under a committee of inspection of his creditors, or being a corporation, shall go in to liquidation other than a voluntary liquidation for the purpose of amalgamation or reconstruction), or if the contractor shall assign the contract, without the consent in writing of the Director RGCA first obtained, or shall have an execution levied on his goods, or if the Director RGCA shall certify in writing to the Director RGCA that in his opinion the contractor.

- a. Has abandoned the contract; or
- b. Without reasonable excuse has failed to commence the works or has suspended the progress of the works for twenty-eight days after receiving from the Director RGCA written notice to proceed; or
- c. Has failed to remove materials from the site or to pull down and replace work for twenty-eight days after receiving from the Director RGCA written notice that the said materials or work had been condemned and rejected by the Director RGCA under these conditions; or
- d. Despite previous warnings by the Director RGCA, in writings, is not executing the works in accordance with the contract, or in persistently or flagrantly neglecting to carry out his obligations under the contract; or
- e. Has, to the detriment of good workmanship or in defiance of the Director RGCA's instruction to the contrary, sub-let any part of the contract; or
- f. Has failed to adhere to the agreed programme of work by a margin up to 10% (ten percent) of the stipulated period.
- g. Has failed to take steps to employ competent or additional staff and labour as required under contract clause and directed by the engineer in-charge.

- h. Has failed to afford the Director RGCA proper facilities for inspecting the works of any part thereof as required.
- i. Has promised or offered or given any bribe, commission, gift or advantages either himself or through his partner, against or servant to any officer or employee of RGCA or to any person on his or on the behalf in relation to the execution of this or any other contract with RGCA then the Director RGCA may, after giving fourteen day's notice in writing to the contractor, enter upon the site and the works and expel the contractor there from without thereby voiding the contract, or releasing the contractor from any of his obligations or liabilities under the contract, of affecting the rights and powers conferred on the Director RGCA or the engineer in-charge by the contractor and may himself complete the works or may employ any other contractor to complete the works. The completion so much of the constructional plant, temporary works and materials, which have been deemed to be reserved exclusively for the execution of the works, under the provisions of the contract, as he or they may think proper and the Director RGCA may, at any time, sell any of the said constructional plant, temporary works and unused materials and apply the proceeds of sale in or towards the satisfaction of any sums due or which may become due to him from the contractor under the contract.

2.14. Manpower:

- (1) The contractor should not employ men and women below the age of 18 years for the entire works.
- (2) The contractor shall provide highly skilled, skilled, semi-skilled and unskilled labours, Supervisors, Engineers and Manager and employ them on the site in connection with the execution and maintenance of the works.
- (3) Only such technical assistance may be provided as skilled and experience in their respective callings and such sub-agents, foreman and leading hands as are competent to give proper supervision to the work they are required to supervise, and such skilled, semi-skilled and unskilled labour as necessary for proper and timely execution and maintenance of the works.
- (4) The contractor should as far as possible employ staff from local people who are able to speak the local language. All the staff and labour of the contractor shall be paid in the Indian currency by the contractor.

- (5) The engineer in-charge shall be at his liberty to object to and require the contractor to remove forthwith from the works any person employed by the contractor in or about the execution of maintenance of the works who, in the opinion of the Director RGCA misconducts himself, or is incompetent or negligent in proper performance of his duties, or whose employment is otherwise considered by the Director RGCA to be undesirable and such person shall not be again employed upon the works without the written permission of the Director RGCA. Any person so removed from the works shall be replaced promptly by a competent substitute approved by the Director RGCA.
- (6) The contractor shall make his own arrangements for the engagements of all labour local or otherwise and save in so far as the contractor otherwise provides, for the transport, housing, feeding and payment etc., thereof.
- (7) As far as possible unskilled labour shall be engaged from available local labours.
- (8) The contractor shall provide at his own cost any additional accommodation outside the site required by him/his workers for the purpose of the works.
- (9) The contractor shall in all dealings with labour in his employment have due regard to all recognized festivals, days of rest and religious or other customs.
- (10) The contractor shall in respect of all workmen employed by him in and for the performance of the contract pay rates or wages and observe the conditions of employment not less than those provided under the relevant labour law as applicable to the State.
- (11) The contractor shall at all times take all reasonable precautions to prevent any un-lawful, riotous or disorderly conduct by or amongst his employees and/or labour, and for the preservation of peace and protection of persons and property in the premises/neighbourhood of the works against the same.
- (12) In respect of engagement employment, transport, payment, feeding, housing and working conditions of labour and all matters connected therewith, the contractor shall at all times during the continuance of the contract comply in all respects with and carry out all obligations imposed on him by the provisions and requirements of the statutes, along with relevant rules, schemes and/or orders, issued from time to time.
 - (i) A brief list of important statutes is provided below for reference. The list is only indicative and not exhaustive.
The Apprentices Act, 1961; The Contract Labour (Regulation and Abolition) Act, 1970; The Payment of Wages Act, 1936; The

Minimum Wages Act, 1948; The Employees Liability Act, 1938; The Industrial Disputes Act, 1947; The Maternity Benefits Act, 1961; The Workman's Compensation Act, 1923; The Employees' Provident Funds and Miscellaneous Provisions Act, 1952; The Employees' State Insurance Act, 1948.

- (ii) Other existing national or state statute; ordinance or other law or any regulation, bye-law of any local or other duly constituted authority which may be applicable including any such law, regulation or order that may be passed or ordered and come into force during the validity of the contract.
- (13) It is the responsibility of the contractor to adhere to the norms and to make his sub-contractors to adhere to the norms, specified in the statutes or elsewhere at his own cost and shall indemnify the Director RGCA from any non-adherence or delays thereof.
- (14) The contractor shall submit at the request of the labour department officials of the state/central government such returns as may be called for from time to time in respect of labour employed by the contractor and by his sub-contractors in the execution of the contract. If so required, the name and address of all sub-contractors shall be furnished by the contractor to the officials.
- (15) The contractor shall deliver to the engineer in-charge or at his office return in detail in such form and such intervals as the Director RGCA may prescribe showing the supervisory staff and the numbers of the several classes of labour from time to time employed by the contractor, including sub-contractor, on the site and such information regarding constructional plant as the engineer in-charge may require.
- (16) The contractor will obtain labour license from the respective office/authority as per applicable labour act in force. The same shall have to be produced to engineer in-charge before start of work, as applicable.
- (17) The contractor shall obtain necessary license from the licensing authority under the Contract labour (Regulation and abolition) Act, 1970 and the Central Rules framed there under and produce the same to the engineer in-charge before start of work.
- (18) The provision of EPF & MP Act, 1952 and the Rules/Scheme there under shall be applicable to the contractor and the employees engaged by him for the work. The contractor shall furnish the code number allotted by the RPFC Authority, to the engineer in-charge before commencing the work.
- (19) The contractor shall be exclusively responsible for any delay in commencing the work on account of delay in obtaining a license under Cl.24.1 above or in obtaining the code numbers under Cl.24.2 above and

the same shall not constitute a ground for extension of time for any purpose.

- (20) The contractor shall not undertake or execute or permit any other agency or sub-contractor to undertake or execute any work on the contractor's behalf through contract labour except under and in accordance with the license issued in that behalf by the licensing officer or other authority prescribed as applicable.
- (21) The contractor shall enforce the provisions of ESI Act and scheme framed there under with regard to all his employees involved in the performance of the contract, and shall deduct employee's contribution from the wages of each of the employees and shall deposit the same together with Employer's contribution of such total wages payable to the employees in the appropriate account. In the absence of ESI scheme in the relevant area.
- (22) In case of labour unrest/ labour dispute arising out of non-implementation of any law, the responsibility shall solely lie with the contractor and he shall remove/resolve the same satisfactorily at his cost and risk.
- (23) Contractor shall deploy only duly qualified and competent personnel for carrying out the various jobs as assigned by the Engineer from time to time. The workmen deployment by the contractor should also possess the necessary license etc., if required under any law, rules and regulations.
- (24) Under the provisions of Employees Provident Funds and Misc. Provision Act 1952, every employee is entitled to and required to become a member of PF from the beginning of the month following that in which he completed three months continuous service or has actually worked for not less than 60 days during the period of three months or less whichever is earlier. The contractor is to fulfil statutory obligations regarding employees Provident Fund.

2.15. Safety Code:

- (1) The contractor shall be responsible for the safety of all workmen and other persons entering or in the works and shall at his own expense and to the approval of the Director RGCA take all measures necessary to ensure their safety.
- (2) The contractor shall at all times, adopt such safe methods of working as well ensure safety of structure, equipments and labour. If at any time, the Director RGCA finds the safety arrangements inadequate or unsafe the contractor shall take immediate corrective actions as directed by the

Director RGCA representative at site. Any decision in the matter shall in no way absolve the contractor of his sole responsibility to adopt safe working methods. The contractor is responsible for providing skilled personnel and adequate supervision so as to ensure complete safety.

- (3) All conditions and reference to statutory safety codes and those defined in this tender document are binding on the contractor and are to be implemented at his cost and responsibility.
- (4) The safety codes, standards or procedures as defined in this tender document are indicative and not exhaustive. Any other code, standard, rule or procedure defined elsewhere applied in the normal industrial practice or governed by any law in India in force from time to time, shall also be adhered to by the contractor.
- (5) Working on an elevated structure:
 - (i) Safe means of access shall be provided to all working platforms and other working places. Suitable scaffolds, ladder, helmets, full body harness, fall arresters and/or other safety equipment's should be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from ladders.
 - (ii) Scaffolding of staging more than 3.6 m (12ft.) above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached or bolted, braced and otherwise secured at least 90 cm (3ft.) high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
 - (iii) Working platforms, gangways and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 3.6 m (12ft.) above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened.
 - (iv) Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of person or materials by providing suitable fencing or railing whose minimum height shall be 90 cm (3ft.).
 - (v) When a ladder is used, an extra helper shall be engaged for holding the ladder and if the ladder is used for carrying materials as well,

suitable footholds and hand-hold shall be provided on the ladder and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to 1 ($\frac{1}{4}$ horizontal and 1 vertical).

- (vi) Every ladder shall be securely fixed. No portable single ladder shall be over 9m (30ft.) in length while the width between side rails in rung ladder shall in no case be less than 29 cm (11½") for ladder up-to and including 3 m (10 ft.) in length. For longer ladders, this width should be increased at least $\frac{1}{4}$ " for each additional 30 cm (1 foot) of length. Uniform step spacing of not more than 30 cm shall be kept.
 - (vii) All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work.
- (6) Excavation and Trenching:
- (i) Shoring required for deep excavation must be adequate and rigidly braced and strutted.
 - (ii) All trenches 1.2 m (4ft.) or more in depth, shall at all times be supplied with at least one ladder for each 30 m (100 ft.) in length or fraction thereof, Ladder shall extend from bottom of the trench to at least 90 cm (3ft.) above the surface of the ground. The side of the trenches which are 1.5 m (5ft.) or more in depth shall be stepped back to give suitable slope or securely held by timber bracing, so as to avoid the danger of sides collapsing. The excavated materials shall not be placed within 1.5 m (5ft.) of the edges of the trench or half of the depth of the trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances, undermining or undercutting shall be done.
- (7) Bore holes/wells:
- (i) If the bore well is successful, it should be safely capped to avoid caving and collapse of the bore well. The failed and the abandoned ones should be completely refilled to avoid caving and collapse.
 - (ii) During drilling, sign boards should be erected near the site with the address of the drilling contractor and the engineer in-charge of the work.
 - (iii) Suitable fencing should be erected around the well during the drilling and after the installation of the rig on the point of drilling, flags shall be put 50m all-round the point of drilling to avoid entry of people.

- (iv) After drilling the bore well, a cement platform (0.50m × 0.50m × 1.20m) 0.60m above ground level and 0.60m below ground level should be constructed around the well casing.
- (v) After the completion of the bore well, the contractor should cap the bore well properly by welding steel plate, cover the bore well with the drilled wet soil and fix thorny shrubs over the soil. This should be done even while repairing the pump.
- (vi) After the bore well is drilled the entire site should be brought to the ground level.

(8) Demolition:

Before any demolition work is commenced and also during the progress of the work,

- (i) all roads and open areas adjacent to the work site shall either be closed or suitably protected.
- (ii) No electric cable or apparatus which is liable to be a source of danger or a cable or apparatus used by the operator shall remain electrically charged.

(9) Working in Sewers & Manholes:

When workers are employed in sewers and manholes, which are in active use, the contractor shall ensure that the manhole covers are opened and ventilated at least for an hour before the workers are allowed to get into the manholes, and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public. In addition, the contractor shall ensure that the following safety measure are adhered to:

- (i) Entry for workers into the line shall not be allowed except under supervision of the engineer in-charge or any other higher officer.
- (ii) At least 5 to 6 manholes upstream and downstream should be kept open for at least 2 to 3 hours before any man is allowed to enter the manhole for working inside.
- (iii) Before entry, presence of toxic gases should be tested by inserting wet lead acetate paper which changes colour in the presence of such gases and gives indication of their presence.
- (iv) Presence of Oxygen should be verified by lowering a detector lamp into the manhole. In case, no Oxygen is found inside the sewer line, workers should be sent only with Oxygen kit.

- (v) Safety belt with rope should be provided to the workers. While working inside the manholes, such rope should be handled by two men standing outside to enable him to be pulled out during emergency.
- (vi) The area should be barricaded or cordoned off by suitable means to avoid mishaps of any kind. Proper warning signs should be displayed for the safety of the public whenever cleaning works are undertaken during night or day.
- (vii) No smoking or open flames shall be allowed near the blocked manhole being cleaned.
- (viii) The malba obtained on account of cleaning of blocked manholes and sewer lines should be immediately removed to avoid accidents on account of slippery nature of the malba.
- (ix) Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. The engineer in-charge shall decide the time up to which a worker may be allowed to work continuously inside the manhole.
- (x) Gas masks with Oxygen cylinder should be kept at site for use in emergency.
- (xi) Air-blowers should be used for flow of fresh air through the manholes. Whenever called for, portable air blowers are recommended for ventilating the manholes. The motors for these shall be vapor proof and of totally enclosed type. Non sparking gas engines also could be used but they should be placed at least 2 meters away from the opening and on the leeward side protected from wind so that they will not be a source of friction on any inflammable gas that might be present.
- (xii) The workers engaged for cleaning the manholes/sewers should be properly trained before allowing to work in the manhole.
- (xiii) The workers shall be provided with gumboots or non sparking shoes, bump helmets and gloves, non sparking tools, safety lights, gas masks and portable air blowers (when necessary). They must be supplied with barrier cream for anointing the limbs before working inside the sewer lines.
- (xiv) Workmen descending a manhole shall try each ladder stop or rung carefully before putting his full weight on it to guard against insecure fastening due to corrosion of the rung fixed to manhole well.

- (xv) If a man has received a physical injury, he should be brought out of the sewer immediately and adequate medical aid should be provided to him.
- (xvi) The extent to which these precautions are to be taken depend on individual situation but the decision of the engineer in-charge regarding the steps to be taken in this regard in an individual case will be final.

(10) Painting:

The contractor shall not employ men and women below the age of 18 years on the work of painting with products containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting, the following precaution should be taken.

- (i) No paint containing lead or lead products shall be used except in the form of paste or ready-made paint.
- (ii) Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint is dry rubbed and scrapped.
- (iii) Overalls shall be supplied by the contractors to the workmen and adequate facilities shall be provided to enable the working painters to wash during and on the cessation of work.
- (iv) Measures shall be taken, wherever practicable, to prevent danger arising out of from dust caused by dry rubbing down and scraping.
- (v) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.
- (vi) Overall, shall be worn by working painters during the whole of working period.
- (vii) Suitable arrangement shall be made to prevent clothing put off during working hours being spoiled by painting materials.
- (viii) Instructions with regard to special hygienic precautions to be taken in the painting trade shall be distributed to working painters.

(11) Hoist:

Use of hoisting machines and tackle including their attachments, anchorage and supports shall conform to the following standards or conditions.

- (i) These shall be of good mechanical construction, sound materials and adequate strength and free from patent defects and shall be kept repaired and in good working order.
 - (ii) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.
 - (iii) Every crane driver or hoisting appliance operator, shall be properly qualified and no person under the age of 21 years should be in charge of any hoisting machine including any scaffolding winch or give signals to operator.
 - (iv) In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or as means of suspension, the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of a hoisting machine having a variable safe working load each safe working load and the condition under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
 - (v) In case of departmental machines, the safe working load shall be notified by the engineer in-charge. As regards contractor's machines the contractors shall notify the safe working load of the machine to the engineer in-charge whenever he brings any machinery to site of work and get it verified by the engineer in-charge concerned.
 - (vi) Motors, gearing, transmission, electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards. Hoisting appliances should be provided with such means as will reduce to the minimum the risk of accidental descent of the load. Adequate precautions should be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced.
- (12) Flood, Fire and Explosion:
- (i) When the work is done near any place where there is risk of drowning, all necessary equipments should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision, should be made for prompt first aid treatment of all injuries likely to be obtained during the course of the work.

- (ii) All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe

(13) Electrical Safety:

- (i) Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites or work shall be so stacked or placed as to cause danger or inconvenience to any person or the public.
- (ii) The contractor shall provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of defense of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit; action or proceedings to any such person or which may, with the consent of the contractor, be paid to compensate any claim by any such person.
- (iii) When workers are employed on electrical installations which are already energized, insulating mats, wearing apparel, such as gloves, sleeves and boots as may be necessary should be provided. The worker should not wear any rings, watches and carry keys or other materials which are good conductors of electricity.

(14) Safety Equipment:

All necessary personal safety equipment as considered adequate by the Engineer in-charge should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by those concerned. The following safety equipment shall invariably be provided:

- (i) Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
- (ii) Those engaged in white washing and mixing or stacking of cement bags or any material which is injurious to the eyes, shall be provided with protective goggles.
- (iii) Those engaged in welding works shall be provided with welder's protective eye shields.

- (iv) Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
 - (v) Contractor shall provide all safety equipment specified in this safety code or elsewhere.
- (15) Housekeeping:
- (i) The contractor shall keep clean the work site from time to time to the satisfaction of the engineer in-charge for easy access to work site and to ensure safe passage, movement and working, at his cost.
 - (ii) If the work involves dismantling any existing structure in whole or part, care shall be taken to limit the dismantling up to the exact point and/or lines as directed by the engineer in-charge and any damage caused to the existing structure beyond the said line or point shall be repaired and restored to the original at the contractor's cost and risks to the satisfaction of the engineer in-charge, whose decision shall be final and binding upon the contractor.
 - (iii) The contractor shall be custodian of the dismantled materials till the engineer in-charge takes charge thereof.
 - (iv) The contractor shall dispose off the unserviceable materials, details etc., to any area within RGCA's premises as decided by the engineer in-charge.
 - (v) The contractor shall sort out, clear and stack the serviceable materials obtained from the dismantling/ renewal at places as directed by the engineer in-charge.
- (16) Display safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.
- (17) Other safety measures that the Director RGCA or the engineer in-charge may direct, depending on the exigencies of the location and nature of work and other relevant factors, shall be provided by the contractor at no extra cost.
- (18) To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the labour officer or engineer in-charge of the department or their representatives.

- (19) Notwithstanding the safety codes stated in this tender document, there is nothing in these to exempt the contractor from the operations of any other Act or Rule in force in the Republic of India.

2.16. Health and Sanitary:

- (1) The contractor at his cost and responsibility shall,
- (i) With respect to all buildings and construction works in which twenty or more workers are ordinarily employed or are proposed to be employed in any day during the period during which the contract work is in progress, make all health and sanitary arrangement mandatorily.
 - (ii) with respect to all buildings and construction works in which less than twenty workers are ordinarily employed or are proposed to be employed in any day during the period during which the contract work is in progress, make health and sanitary arrangement as per the directions of the engineer in-charge.
- (2) Drinking water:
- a) The contractor shall, having regard to local conditions, provide on the site to the satisfaction of the engineer in-charge, an adequate supply of drinking and other water for the use of the contractor's staff and work people at his own cost.
 - b) In every work place, there shall be provided and maintained at suitable places, easily accessible to labour, a sufficient supply of potable water for drinking.
 - c) Where drinking water is obtained from an intermittent public water supply, each work place shall be provided with storage where such drinking water shall be stored.
 - d) Every water supply or storage shall be at a distance of not less than 50 feet from any latrine drain or other source of pollution. Where water has to be drawn from an existing well which is within such proximity of latrine, drain or any other source of pollution, the well shall be properly chlorinated before water is drawn from it for drinking. All such wells shall be entirely closed in and be provided with a trap door which shall be dust and waterproof.

- e) A reliable pump shall be fitted to each covered well, the trap door shall be kept locked and opened only for cleaning or inspection which shall be done at least once a month.
- (3) Latrines and Urinals:
- (i) Latrines shall be provided in every work place on the following scale namely:
 - a. Where female are employed, there shall be at least one latrine for every 25 female. Where male are employed, there shall be at least one latrine for every 25 male.
 - b. Provided that, where the number of male or female workmen exceeds 100, it shall be sufficient if there is one latrine for 25 male or female, as the case may be up to the first 100, and one for every 50 or part thereafter.
 - c. Provided that where the number of male or female workmen, exceeds 500, it shall be sufficient if there is one urinal for every 50 male or female, as the case may be up-to the first 500 and one for every 100 or part thereafter.
 - (ii) Where workers of both sexes are employed, there shall be displayed outside each block of latrine and urinal, a notice in the language understood by the majority of the workers "For Men only" or "For Women Only" as the case may be. The notice shall also bear the figure of a man or of a woman, as the case may be.
 - (iii) Every latrine shall be under cover and so partitioned off as to secure privacy and shall have a proper door and fastenings.
 - (iv) The latrines and urinals shall be adequately lighted and shall be maintained in a clean and sanitary condition at all times.
 - (v) Water shall be provided by means of tap or otherwise so as to be conveniently accessible in or near the latrines and urinals. Latrines and urinals other than those connected with a flush sewage system shall comply with the requirements of the Public Health Authorities.
 - (vi) Disposal of excreta: Unless otherwise arranged for by the local sanitary authority, arrangements for proper disposal of excreta by incineration at the work place shall be made by means of a suitable incinerator. Alternately excreta may be disposed of by putting a layer of night soil at the bottom of a pucca tank prepared for the purpose and covering it with a 15 cm. layer of waste or refuse and then covering it with a layer of earth for a fortnight (when it will

turn to manure) or any other method as directed by the competent government authority.

(vii) The contractor shall at his own expense, carry out all instructions issued to him by the engineer in-charge to effect proper disposal of night soil and other conservancy work in respect of the contractor's workmen or employees on the site. The contractor shall be responsible for payment of any charges which may be levied by the Public Health Authorities for execution of such work on his behalf.

(4) Provision of shelter during rest:

(i) At every place there shall be provided, free of cost, four suitable sheds, two for meals and the other two for rest separately for the use of men and women labour. The height of each shelter shall not be less than 3 metres (10 ft.) from the floor level to the lowest part of the roof. These shall be kept clean and the space provided shall be on the basis of 0.6 sq.m. (6 sft) per head.

(ii) Provided that the engineer in-charge may permit subject to his satisfaction, a portion of the building under construction or other alternative accommodation to be used for the purpose.

(5) Spread of Disease:

(i) The contractor shall at his own expense, conform to all anti-malarial like Dengue, Insect bites, Corona precautions etc. instructions given to him by the engineer in-charge including the filling up of any borrow pits which may have been dug by him.

(ii) In the event of any outbreak of illness of an epidemic / pandemic nature, the contractor shall comply with and carry out such regulations, orders and requirements as may be made by the government, or the local medical or sanitary authorities for the purpose of dealing with and overcoming the same.

(iii) Covid 19 protocols should be strictly followed by the contractor during construction work. Contractor shall be fully responsible for non-adherence of the protocols by his representatives or workmen.

(iv) Government may, from time to time, add to or amend these rules and issue directions, it may consider necessary for the purpose of removing any difficulty which may arise in the administration thereof. Directions of the Government, issued from time to time, relating to any disease outbreak or threat may be adhered to.

2.17. First Aid, Medical Attendance and Accident:

- (1) The contractor shall arrange for medical attention to be promptly available when necessary. He shall for his purpose provide a number of First-Aid stations at suitable locations within easy reach of the workmen and other staff engaged in the works. Each first aid station shall be properly equipped and will remain in charge of a suitable qualified person. The contractor shall also provide for transport of serious cases to the nearest hospital. All these arrangements shall be to the approval of the Director RGCA and nothing is payable on this ground.
- (2) At every work place, there shall be provided and maintained, so as to be easily accessible during working hours, first-aid boxes at the rate of not less than one box for 150 contract labour or part thereof ordinarily employed.
- (3) The first-aid box shall be distinctly marked with a red cross on white back ground and,
 - (i) For work places in which the number of contract labour employed does not exceed 50, each first-aid box shall contain the following equipment:
 - (a) 6 small sterilized dressings.
 - (b) 3 medium size sterilized dressings.
 - (c) 3 large size sterilized dressings.
 - (d) 3 large sterilized burn dressings.
 - (e) 1 (30 ml.) bottle containing a two per cent alcoholic solution of iodine.
 - (f) 1 (30 ml.) bottle containing Sal volatile having the dose and mode of administration indicated on the label.
 - (g) 1 snakebite lancet.
 - (h) 1 (30 gms.) bottle of potassium permanganate crystals.
 - (i) 1 pair scissors.
 - (j) 1 copy of the first-aid leaflet issued by the Director General, Factory Advice Service and Labour Institutes, Government of India.
 - (k) 1 bottle containing 100 tablets (each of 5 gms.) of aspirin.
 - (l) Ointment for burns.
 - (m) A bottle of suitable surgical antiseptic solution
 - (ii) For work places in which the number of contract labour exceed 50, each first-aid box shall contain the following equipment:
 - (a) 12 small sterilized dressings.

- (b) 6 medium size sterilized dressings.
 - (c) 6 large size sterilized dressings.
 - (d) 6 large size sterilized burn dressings.
 - (e) 6 (15 gms.) packets sterilized cotton wool.
 - (f) 1 (60 ml.) bottle containing a two per cent alcoholic solution iodine.
 - (g) 1 (60 ml.) bottle containing Sal volatile having the dose and mode of administration indicated on the label.
 - (h) 1 roll of adhesive plaster.
 - (i) 1 snake bite lancet.
 - (j) 1 (30 gms.) bottle of potassium permanganate crystals.
 - (k) 1 pair scissors.
 - (l) 1 copy of the first-aid leaflet issued by the Director General Factory Advice Service and Labour Institutes /Government of India.
 - (m) A bottle containing 100 tablets (each of 5 gms.) of aspirin.
 - (n) Ointment for burns.
 - (o) A bottle of suitable surgical antiseptic solution.
- (iii) Adequate arrangements shall be made for immediate recoupment of the equipment items when necessary.
- (iv) Nothing except the prescribed contents shall be kept in the First-aid box.
- (4) Responsibility of the contractor (along with cost): The first-aid box shall be kept in charge of a responsible person who shall always be readily available during the working hours of the work place.
- (i) A person in charge of the first-aid box shall be a person trained in First-aid treatment in the work places where the number of contract labour employed is 150 or more.
 - (ii) In work places where the number of contract labour employed is 500 or more and hospital facilities are not available within easy distance from the works. First-aid posts shall be established and run by a trained compounder. The compounder shall be on duty and shall be available at all hours when the workers are at work.
 - (iii) Where work places are situated in places which are not towns or cities, a suitable motor transport shall be kept readily available to carry injured person or person suddenly taken ill to the nearest hospital.

- (5) The contractor shall provide, to the satisfaction of the government or local authorities concerned, adequate medical attendance for his employees and labour at his own cost.
- (6) The contractor shall within twenty-four (24) hours of the occurrence of any accident at or about the site or in connection with the execution of the works, report such as accident to the Director RGCA and shall make every arrangement to render all possible assistance. The contractor shall also report such accident to the competent authority whenever such a report is required by law.
- (7) The Director RGCA shall not be liable for any damage or compensation payable at law in respect or in consequence of any accident or injury to any workmen or other person in the employment of the contractor or sub-contractor.

2.18. Force Majeure:

- (1) The conditions of Force Majeure are war, hostilities (whether war be declared or not) invasion, act of foreign enemies, rebellion, revolution, insurrection or military or usurped power, civil war, or unless solely restricted to employees of the contractor or his sub-contractors and arising from the conduct of works, riot, commotion or disorder, use or occupation by the Director RGCA of any part of the permanent works, or a cause solely due to RGCA's design of the works, or ionizing radiations or contamination by radio-activity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive, nuclear component thereof, pressure waves caused by aircraft or other aerial devices, traveling of sonic or supersonic speeds of any such operation of the forces of nature as an experience contractor could not foresee, or reasonably make provision for or insure against all of which are herein collectively referred to as "the Force Majeure".
- (2) Notwithstanding anything in the contract contained, the contractor shall be under no liability whatsoever whether by way of indemnify or otherwise for or in respect of destruction of or damages to the works, save to work condemned under the provisions of clause "Removal of proper work and Materials" and "Department of Contract in Complain" in prior to the occurrence of any Force Majeure hereinafter mentioned, or to property whether of RGCA or third parties, or for or in respect of injury or loss of life which is the consequence of any Force Majeure defined.
- (3) Destruction, damage, injury or loss of life caused by the explosion or impact whenever and wherever occurring of any mines, bomb, shell,

grenade, or other projectile, missile, ammunition, or explosive of war, shall be deemed to be a consequence of the said Force Majeure.

- (4) If, during, the currency of the contract, there shall be an outbreak of war, whether war is declared or not, which, whether financially or otherwise, materially affects the execution of the works, the contractor shall, unless and until the contract is terminated by the provisions of this clause, continue to use his best endeavors to complete the execution of the works. Provided always that the Director RGCA shall be entitled at any time after such outbreak of war to terminate the contract by giving written notice to the contractor and, upon such notice being given, this contract shall, except as to the rights of the parties under this clause and to the operation of Clause "Settlement of Disputes", terminate but without prejudice to the rights of either party in respect of any antecedent breach thereof.

2.19. Insurance:

- (1) Without limiting his obligations and responsibilities thereof, the contractor shall insure in the name of the Director RGCA and the contractor against all loss or damage from whatever cause arising, other than the Force Majeures, for which he is responsible under the terms of the contract and in such manner that the Director RGCA and contractor are covered for the period stipulated, thereof and are also covered during the period of maintenance for loss or damage arising from a cost occurring prior to the commencement of periods of maintenance and for any loss or damage occasioned by the contractor.
- (2) The contractor shall avail "Group Personal Accident Insurance Policy" covering all the personnel employed for execution for works complying requirement of Workmen Compensation Act 1923 as amended by Amendment Act No. 65 of 1976 for the entire period of contract and extended period, if any, be produced to the engineer in-charge before start of work.
- (3) In the course of any operations carried out by him for the purpose of complying with his obligations, the works for the time being executed to the estimated current contract value thereof together with the materials for incorporation of the works at their replacement value.
- (4) The constructional plant and other things brought on to the site by the contractor to the replacement value of such constructional plant and other things. These shall include materials belonging to the Director RGCA but issued to or intended to be issued to the contractor for use in the works.
- (5) Before commencing the execution of the works the contractor, but without limiting his obligations and responsibilities thereof, shall insure against his liability for any material or physical damage, loss or injury which may

occur to any property, including that of the Director RGCA, or to any person, including any employee of RGCA by or arising out of the execution of the works or in the carrying out of the contract.

- (6) The contractor shall insure against such liability with an insurer approved by IRDA, which approval shall not be unreasonably withheld, and shall continue such insurance during, the whole of the time that any person is employed by his on the whole works. Provided always that, in respect of any person employed by any sub-contractor, the contractor's obligation to insure the aforesaid under this sub-clause shall be satisfied if the sub-contractor shall have insured against the liability in respect of such persons in such manner that the Director RGCA is indemnified under the policy.
- (7) The terms of such insurance policy shall include a provision whereby in the event of any claim in respect of which the contractor would be entitled to receive indemnity under the policy being brought or made against the Director RGCA, the insurer will indemnify the Director RGCA against such claims and any costs, charges and expenses in respect thereof.
- (8) The insurances referred thereof shall be effected with an insurer and in terms approved by the Director RGCA, which approval shall not be unreasonably withheld, entirely at the cost and expense of the contractor. The contractor shall, whenever required, produce to the Director RGCA or the engineer in-charge, the policy or policies and the receipts for payment of the current premium.
- (9) It shall be the duty of the contractor to notify the insurers under any of the insurance thereof any matter or count which by the terms of such insurances are required to be notified.

2.20. Indemnity:

- (1) The contractor shall indemnify and save harmless the Director RGCA from and against all actions, suits, proceedings, losses costs, damages, charges, claims and demands of every nature and description brought or recovered against the Director RGCA by reason of any act or omission of the contractor, his agents or employees. In the execution of the works or in guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of the Director RGCA without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.
- (2) The contractor shall indemnify and keep indemnified the Director RGCA against all damages and compensation and against all claims, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation

thereto any accident or injury to any workmen or other person in the employment of the contractor or sub-contractor.

- (3) The contractor shall indemnify and keep indemnified the Director RGCA or the engineer in-charge or their representatives, against all losses, claims, demands, proceedings, costs, charges and expenses whatsoever arising out of or resulting from any default by the contractor in notifying the insurer as per the clauses in the respective insurance policy, whether as a result of the avoidance of such insurance or otherwise.
- (4) No personal liability shall be imposed on the members or the staff of RGCA or on the engineer in-charge or their duly authorized representatives, agents or employees for acts performed or discharged in the exercise of their authorized duties or responsibilities or in the carrying out of their obligations by virtue of the provisions or scope of work contained in the contract, it being understood that they are acting solely as agents and representatives of the Director RGCA.

2.21. Construction records:

- (1) The contractor shall keep and supply to the engineer in-charge the updated records of the dimensions and positions of all permanent works (showing therein any approved deviation between drawing and the work as actually executed). The information available from the records must be adequate and complete to enable preparation of 'as-built' drawings.
- (2) The contractor shall maintain at site daily records of progress with regard to the works carried out, labour engaged and construction equipment deployed. These will form the basis of preparing periodic reports and returns as may be required by the Director RGCA and in the manner as directed by him. These daily records shall be made accessible to the Director RGCA and engineer in-charge as and when desired.
- (3) Site order books:
 - (i) For the purpose for quick communication from the Director RGCA or engineer in-charge to the contractor or his agent or representatives, site order books shall be maintained by the contractor at site in the manner described below.
 - (ii) Any communication relating the works may be conveyed through records in the site order books. Such a communication from the Director RGCA or engineer in-charge to the contractor shall be deemed to have been adequately served in terms of sub-clause (i) of clause "Notice" hereof. Each site order book shall have machine-numbered pages in triplicate and shall be carefully maintained and preserved.

- (iii) The contractor shall keep site order books at various places where work is being carried out so as to be readily available in the Director RGCA or engineer in-charge. Any construction or order which the Director RGCA or engineer in-charge may like to issue to the contractor may be recorded in the site order Book and two copies thereof taken for Director RGCA's record.
- (iv) The engineer in-charge may also maintain such site order books for recording any instruction which the engineer in-charge or Director RGCA themselves may like to communicate to the contractor or his agent or representative. One copy thereof when transmitted to the contractor's agent or representative under proper acknowledgement shall constitute adequate service thereof to the contractor.
- (v) The site order books are intended primarily for facility of quick but recorded communication between persons working at site on behalf of the two parties. All-important communications between the engineer in-charge or the Director RGCA and the contractor or his agent shall be through letters and not through site order books.

3. Special Conditions of the Contract

3.1. Instructions to Bidder (ITB), which are provided elsewhere in this document, shall form apart of special conditions of contract.

3.2. Sufficiency of Tender and Submission of Bid:-

- (1) The bidder may participate in the tender if he intends to complete all the works detailed in the scope of works within the time period as specified in this tender document. The bidder shall bear all expenses in connection with the preparation and submission of his bid.
- (2) The bidder shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his bid for the works and of the rates and prices quoted in the schedule of prices, which tender rates and prices shall, except in so far and it is otherwise provided in the contract, cover all his obligations under the contract and all matters and things necessary for the proper execution and maintenance of the works.
- (3) The bidder must obtain for himself on his own responsibility and at his own expense all the information necessary including risks, contingencies and other circumstances to enable him to make a proper tender and to enter into a contract with the Director RGCA; he must examine the drawings, specifications, conditions and so on and must inspect the site of work, examine the nature of the ground and the subsoil (so far as is practicable), and acquaint himself with local conditions, means of access to the work, the

nature of the work, in fact all matters pertaining thereto before he submits his tender.

- (4) The bidder will have to MANDATORILY inspect the site, before participating in tender and ascertain all the necessary information, including the risks, contingencies, nature of ground, place of supply, unloading & installation etc., and also acquaint himself with the local conditions. As proof of visit the bidder shall duly fill the relevant declaration form as per the format provided in Form-3.
- (5) It shall be deemed that the bidder has inspected and examined the site and its surroundings and information available in this connection therewith and to have satisfied himself, before submitting his tender as to the form and nature thereof, including the sub-surface conditions, the hydrological and climate conditions, the extent and nature of work and materials necessary for the completion of the works, the means of access to the site and the accommodation he may require and, in general, shall be deemed to have obtained all necessary information, subject as above mentioned, as to risks contingencies and all other circumstances which may influence or affect his tender.
- (6) The Director RGCA shall have made available to the contractor with the tender documents such data on sub-surface conditions as shall have been obtained by or on behalf of the Director RGCA from investigations undertaken relevant to the works and the tender shall be deemed to have been based on such data, but the contractor shall be responsible for his own interpretation thereof.
- (7) The rate quoted for the work in the tender, shall be inclusive of all incidentals, hiring of all necessary equipment, transportation, insurance, testing, fabrication, erection at site, and expenses of staff/labour connected with the work. Nothing other than the quoted rates shall be entertained under any circumstances.
- (8) The rate quoted for the work in the tender, shall be inclusive of all taxes, including GST, charges relating to import & customs clearance, or any other statutory payments relating to the supply of material to the project site. Nothing other than the quoted rates shall be entertained under any circumstances.
- (9) The entire work covered in this tender document shall be treated as works contract. Bidder should quote for this work accordingly. The quoted price should include all taxes, duties, octroi, excise, freight etc., whatsoever.
- (10) A bidder shall submit his online bid in the Central Public Procurement (CPP) portal (<http://eprocure.gov.in/eprocure/app>) of the Government

of India, on or before the last date for submission of bid specified in the Bid Data. No other form of bid will be considered for evaluation.

- (11) It is the responsibility of the bidder to fulfill the terms & conditions prevailing in the CPP portal. CPP portal is an e-procurement portal of the Government of India and the Director RGCA has no control over the portal. Hence, the Director RGCA, at any point of time, is not responsible for any technical issues or difficulties arising out of, and/or loss or damage incurred due to the usage of the CPP portal.
- (12) Any corrigendum, subsequent amendments and/or extension of date, if any, for submission of bids shall be posted on the aforesaid portal only. Hence, bidders are advised to visit the portal regularly.
- (13) The currency for the bid shall be Indian National Rupee (INR) only.
- (14) Bids shall be valid for a period specified in the Bid Data.
- (15) Bidder shall digitally sign and upload the required bid documents, one by one in the CPP portal.
- (16) The quantities furnished in the bill of quantities are only probable quantities are liable to alteration by omission, deduction or addition, and it should be clearly understood that the contract is not a lump sum contract and the Director RGCA do not, in any way, assure the bidder that the said probable quantities are correct or that the work would correspond thereto. Payments will be regulated on the actual quantities of work done at the accepted rates. No escalation will be entertained on any part in this regard.
- (17) The drawings, specifications and the bill of quantities, forming parts of the Contract, are explanatory of and are complementary to one another, representing together the works / installations to be carried out.
 - (i) If neither the drawings nor the specifications nor the accepted bill of quantities include any part / parts the intention to include which is nevertheless clearly to be inferred and which are obviously necessary for the proper completion of the works / installations, all such parts shall be supplied and executed by the Contractor at no extra charge.
 - (ii) Anything contained in one or another of (a) the drawings, (b) the specifications and (c) the accepted bill of quantities are not found in the others will be equally binding as if contained in each of them.
- (18) The Bidder whose Tender is accepted shall not be entitled to make any claim for increase in the rates quoted and accepted excepting in pursuance of any specific provision in the Contract for such and then only in terms of that specific provision, or to make any representation on

the ground that he was supplied with any information or given any promise or guarantee of any sort, by the Director RGCA, his agents and servants, or their representatives or any other persons, unless such information, promise or guarantee is furnished to the Bidder in advance of the date of receipt of Tenders and in writing under proper authority.

- (19) The rates quoted shall be firm and fixed and not be subject to any variations. No price variation clause is allowed due on any account.
- (20) The Director RGCA will not unless otherwise provided for herein, supply or procure for the Contractor, materials of any description, and the Contractor shall make his own arrangements therefore at his own cost.
- (21) The rates quoted in Tenders shall remain valid for a period of Ninety Days from the date of their opening. The rates of the successful bid shall remain valid and firm till completion of the whole contract. If any Bidder withdraws his Tender before the expiry of the said period or makes any modifications to his Tender which are not acceptable to the Director RGCA the Tender will be treated as having been rejected or abandoned and EMD will be forfeited.
- (22) The Director RGCA does not bind himself to accept the lowest tender and reserves to himself the right to reject any or all of the Tenders received without assigning any reasons therefore.
- (23) The Director RGCA reserves the right to award any part of the work to more than one Bidder or to award the entire work to one Bidder.
- (24) The Director RGCA further reserves the right to delete or reduce an item or section of the bill of quantities without assigning any reason whatsoever therefore and no claim will be entertained in this regard.
- (25) The Director RGCA reserves the right to accept or reject any bid and to cancel the bidding process and reject all bids, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder(s).

3.3. Tender Fee:

- (1) The bidder shall submit the tender fee, otherwise called as “Cost of bid document”, as specified in the bid data along with the bid, in the form of NEFT/RTGS to the below bank account.

Name of the Account Holder	Current Account Number	IFSC Code	Bank Name	Branch	Tender Fee (in Rs.)
Rajiv Gandhi Centre for Aquaculture	10948711219	SBIN0000875	State Bank of India	Mayiladuthurai	Rs. 1,180/- (Rupees One Thousand One Hundred and Eighty Only)

- (2) Non-receipt of tender fee for the specified value and/or within the stipulated time, shall render the bid to be considered as non-responsive. RGCA shall not be responsible for any delay.
- (3) Tender fee once received shall not be refundable under any circumstances.
- (4) Exemptions on tender fee, as determined by the Government of India from time to time, shall be applicable, subject to production of appropriate valid documents, as part of the online application.

3.4. Earnest Money Deposit (EMD)

- (1) All bidder shall submit a bid security, otherwise known as “Earnest Money Deposit”, as specified in the bid data along with the bid, in the form of NEFT/RTGS to the below bank account.

Name of the Account Holder	Current Account Number	IFSC Code	Bank Name	Branch	EMD Amount (in Rs.)
Rajiv Gandhi Centre for Aquaculture	10948711219	SBIN0000875	State Bank of India	Mayiladuthurai	Rs. 44,660/- (Rupees Forty Four Thousand Six Hundred and Sixty Only)

- (2) Non-receipt of EMD for the specified value and/or within the stipulated time, shall render the bid to be considered as non-responsive. RGCA shall not be responsible for any delay.
- (3) Exemptions on EMD, as determined by the Government of India from time to time, shall be applicable. Bidder claiming exemption shall submit the duly filled declaration in lieu of bid security (as per format provided in Form-4) along with necessary valid supporting documents. Failing which, the bid will be considered as non-responsive.

- (4) Bid security to the successful bidder will be refunded without interest, upon receipt of Performance Security or it can be adjusted against performance security, as the case may be. Bid securities of the unsuccessful bidders will be refunded without interest, latest by the 30th day after the award of the contract or immediately after the expiry of stipulated bid validity period, whichever is earlier.
- (5) A bidder's bid security will be forfeited, without any notice, if the bidder:
 - (i) withdraws or amends its/ his tender/bid;
 - (ii) impairs or derogates from the tender in any respect within the period of validity of the tender/bid;
 - (iii) if the bidder does not accept the correction of his bid price during evaluation; and
 - (iv) if the successful bidder fails to sign the contract or furnish the required performance security within the specified period.
- (6) In case of forfeiture of the EMD, the bidder shall become ineligible to participate in the re-tendering process, if any.

3.5. Performance Guarantee/ Performance Security:

- (1) Successful bidder who is awarded the contract shall submit a performance guarantee, otherwise known as "Performance Security", equivalent to the value as specified in the bid data, in the form of an account payee demand draft or a bank guarantee from a scheduled commercial bank in India or online payment through RTGS or NEFT, within a period of 7 days from the date of award of contract.
- (2) The performance guarantee submitted should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the contractor, including the Defect Liability Period (DLP) if any.
- (3) Date on which performance guarantee is submitted shall be construed as the start date for the work.
- (4) In case, time for completion of the works gets extended, the contractor shall get the validity of the performance guarantee extended, at his cost, to cover such extended time for completion of the work, including the DLP.
- (5) Once the contractor completes all his obligations under the contract, the performance guarantee will be refunded without interest, to the contractor after DLP.
- (6) The performance guarantee will be forfeited and credited to Director RGCA's account in the event of breach of contract by the contractor.

3.6. Security Deposit:

- (1) The Security deposit (otherwise specified as “Retention Money”) shall be collected by deduction from each running bills and final bills at the rate or value as specified in the bid data.
- (2) 50% of Security deposit shall be refunded after issuing the Work Completion Certificate.
- (3) 50% of Security deposit shall be refunded after successful completion of the Defect Liability Period (DLP).

3.7. Payment:

- (1) Interim payments (other than those specified in the payment schedule) and advances (including mobilization advance) will not be provided. Hence contractor/supplier shall ensure availability of adequate money for supply of men and material at delivery location.
- (2) Provisional sum:
 - (i) “Provisional sum” means a sum, if any, included in the contract and so designated in the schedule of prices, bill of quantities for the execution of work or the supply of goods materials, or services, or for contingencies, which sum may be used, in whole or in part, or not at all, at the direction of the Director RGCA. The contract price shall include only such amounts in respect of the work, supply or services to which such provisional sums relate as the Director RGCA shall approve or determine in accordance with this clause.
 - (ii) In respect of every provisional sum, the Director RGCA shall have power to order:
 - (a) Work to be executed, including goods, materials or services to be supplied by the contractor. The contract prices shall include the value of such work executed or such goods, materials or services supplied determined in accordance with clause “Rates for works not in schedule of Quantities or Schedule of Rates and Claims”.
 - (b) Work to be executed or goods, materials or services to be supplied by a nominated sub-contractor as hereinafter defined. The sum to be paid to the contractor therefore shall be determined and paid in accordance with clause “Payments to nominated Sub -Contractors”.
 - (c) Goods and materials to be purchased by the contractor. The sum to be paid to the contractor therefore shall be determined

and paid in accordance with clause "Production of Vouchers, etc."

- (iii) The contractor shall, when required by the Director RGCA produce all quotations, invoices, vouchers and accounts or receipts in connection with expenditure in respect of provisional sums.

(3) Claims:

- (i) The contractor shall send to the engineer in-charge once in every milestone or month, as specified in the payment schedule, an account giving particulars as full and detailed as possible, of all claims for any additional payment to which the contractor may consider himself entitled and of all extra or additional work order by the Director RGCA which he has executed during the preceding month. No final or interim claim for payment for any such work or expense will be considered which has not been included in such particulars. Provided always that the Director RGCA shall be entitled to authorize payment to be made for any such work or expense, notwithstanding the contractor's failure to comply with this condition. The contractor shall, at the earliest practicable opportunity, notify the Director in writing that he intends to make a claim for such work.

(ii) Final claims:

Not later than thirty calendar days after the issue of the completion certificate, the contractor shall submit to the Director RGCA settlement of final account with all supporting documents showing in detail the reconciliation of all materials issued to him if any and the value of the work done in accordance with the contract together with all further sums which the contractor considers to be due to him under the contract. After receipt of the final account and of all information reasonably required for its verification, and on the Engineer in-charge's certificate of completion in respect of the works, an adjustment shall be made and the balance of account based on the Engineer in-charge's certified measurements of the total quantity of work executed by the contractor up to the date of completion and on the accepted schedule of rates and for extra works on rates determined under clause "Rates for works not in schedule of Quantities or Schedule of Rates" of these conditions shall be paid to the contractor subject always to the contractor having delivered to the Director RGCA either a full account in detail of all claims he may have on the Director RGCA in respect of the works or having delivered a "No claim" certificate and the Director RGCA having after the receipt of done under the provisions of the contract have been completed, that they have been inspected by him since their completion and found to be in good and substantial

order, injured in consequence of the work, have been properly replaced and made good and all expenses and demands incurred by or made upon the Director RGCA for or in respect of damage or loss by, from or to consequence of works, have been satisfied agreeably and in conformity with the contract.

- (4) Director RGCA's lien on all moneys due:
- (i) The Director RGCA shall have a lieu on and over all or any, moneys that may become due and payable to the contractor under these presents, and/or also on and over the deposit or security amount or amounts made under the contract and which may become repayable to the contractor under the conditions in that behalf herein contained for or in respect of any debt or sum that may become due or payable to the Director RGCA by the contractor, either alone or jointly with another or others and either under this or under any other contract or transaction of any nature whatsoever, between the Director RGCA and the contractor.
 - (ii) The Director RGCA reserves the right to carry out a post-payment audit and/or technical examinations of the works and the final bill, including all supporting vouchers, abstracts, etc., and to force recovery if as a result of such examination any over payment is discovered in respect of any work done by the contractor or alleged to have been done by him under the contract and such recovery will be made by the Director RGCA from the contractor by and/or all of the methods prescribed in these presents, or on the other hand, if any under payment is discovered the amount shall be duly paid to the contractor by the Director RGCA.
 - (iii) Further the Director RGCA reserves the right to make such recoveries and adjustments notwithstanding the fact that the amount of the final bill may be included by one of the parties as an item of dispute before any arbitrator appointed under the arbitration clause of the contract and notwithstanding the fact that the amount of the final bill figures in the arbitration award.
 - (iv) And further, unless the contractor pays and clears the claim of the Director RGCA immediately on demand, the Director RGCA shall at all times be entitled to deduct the said debit or sum due by the contractor from the moneys, securities or deposits which may have become payable to the contractor under these presents or under any other contract or transaction between the contractor and the Director RGCA.
- (5) No interest shall be payable on the amount of retention money or the earnest money or any other dues of the contractor, nor shall any interest

be payable in respect of the advances made by the Director RGCA to the contractor, unless otherwise provided.

(6) Currency and terms of payment:

- (i) All payments to the contractor shall be in Indian Rupees, unless otherwise specified in the Special Conditions of Contract.
- (ii) All payments to the contractor shall be subject to income tax as per relevant provisions for the time being. As required hereby TDS as applicable at the particular time, on the amount of each bill shall be deducted there from and deposited by the Director RGCA to the appropriate income tax authorities in favour of the contractor. For each such deduction the contractor will be furnished a certificate on his application to the Director RGCA to enable him to make requisite adjustment in the income tax return.
- (iii) All payments to the contractor shall be subject to all accounting and auditing, provisions, procedures, rules, regulations, decrease, laws, etc., legislated, enacted or in force in India and as applicable to the State in which the work is carried out during the period of the contract.

(7) Periodic payment:

- (i) Payments to the contractors for works done and measured in terms of the provisions of respective clause shall normally be made based on milestone wise work completion as detailed in the Payment Schedule as part of the instructions to bidder.
- (ii) The valuation of the Director RGCA for the purpose of making periodic payments to the contractor through the account bill shall be considered as estimated only and the engineer reserves the authority to make amendments or modifications therein through any subsequent bill/bills.
- (iii) Running bills as executed up to date will be submitted by the contractor in quadruplicate along with the measurements. The same shall be verified and certified for payment within two weeks of submission of bills completed in all respects. Payment shall be made after deducting towards Income Tax, TDS, Security Deposit, Construction Labour Welfare Cess, cost of stores issued by the Director RGCA, if any and any other amounts due for recovery from the contractor.

(8) Payments on interim certificates to be regarded as advance:

The contractor shall on submitting the bill be entitled to receive a monthly/ milestone as the case may be payment proportionate to the part thereof then approved and passed by the Director RGCA whose certificate of such approval and passing of the sums so payable shall be final and conclusive against the contractor. But all such intermediate payments shall be regarded as payments by way of advance against the final payment only and not as payment for works actually done and completed and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be removed and taken away and reconstructed, or re-erected or be considered as an admission of the due performance of the contract or any part thereof in any respect of the accruing of any claim, nor shall it conclude, determine or affect in any way the powers of the Director RGCA under those conditions or any of them as to be the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract. The final bill shall be submitted by the contractor with full material reconciliation statement and other relevant documents within one month of the date fixed for completion of the work, otherwise the engineer's certificate of the measurement and of the total amount payable for the work accordingly shall be final and binding on all parties.

(9) Payments to nominated sub-contractors:

For all works executed or goods, materials or services supplied by any nominated sub-contractor, the contractor shall pay directly as per contract signed between him and the sub-contractor. However in case of any complaint received from the sub-contractor, during the pendency of the contract, about non-payment by the contractor which may affect the works, the Director RGCA will be fully empowered to intervene and direct the contractor to settle the disputes with the sub-contractor within ten days, failing which the Director RGCA shall make his own investigation and make such payments to the sub-contractor as he deems fit and recover the same amounts from the contractor's bills.

(10) Payment if contract is terminated:

If the contract shall be terminated, the contractor shall be paid by the Director RGCA, in so far as such amounts or items which shall not have already been covered by payments on account made to the contractor, for all work executed prior to the date of termination at the rates and prices provided in the contract and in additions.

- (i) The amounts payable in respect of any preliminary items, so far as the work comprised therein has been carried out or performed and a proper preparation as certified by the Director RGCA of any such items, the work comprised in which has been partially carried out or performed.

- (ii) The cost of materials or goods reasonably ordered for the works which shall have been delivered to the contractor or of which the contractor is legally liable to accept delivery, such materials or goods becoming the property of the RGCA upon such payments being made by the Director RGCA.
- (iii) A sum to be certified by the Director RGCA, being the amount of any expenditure reasonably incurred by the contractor in the expectation of completing the whole of the works in so far as such expenditure shall not have been covered by the payments in this sub-clause before mentioned.
- (iv) Any additional sum payable under the provisions against any payments due from the Director RGCA under this sub-clause, the Director RGCA shall be entitled to be credited with any outstanding balances due from the contractor for advances in respect of constructional plant and materials and any other sums which at the date of termination were recoverable by the Director RGCA from the contractor under the terms of the contract.

(11) Payment in the event of Force Majeure:

If there arises a circumstance specified under "Force Majeure" which is beyond the control of both parties, after the contract is made so that either party is prevented from fulfilling his contractual obligations, or under the law governing the contract, the parties are released from further performance, then the sum payable by the Director RGCA to the contractor in respect of the work executed shall be the same as that which would have been payable under sub clause (1) above thereof, if the contract has been terminated under the relevant provisions thereof.

(12) If the works or any materials on the site shall sustain destruction or damage by reason or any of the said Force Majeure the contractor shall be entitled to payment for:

- (i) Any permanent work and for any materials so destroyed or damaged and so far as may be required by the Director RGCA, or as may be necessary for the completion of works, on the basis of cost plus such profit as the Director RGCA may certify to be reasonable.
- (ii) Replacing or making good any such destruction or damage to the works.
- (iii) Replacing or making good such materials of the contractor used or intended to be used being at site of the works.

(13) Payment while default of contractor:

(i) Valuation at date of forfeiture:
The Director RGCA shall, as soon as may be practicable after any such entry and expulsion by the Director RGCA, fix and determine, or by experts or fix and determine experts, or by or after reference to the parties, of after such investigation or enquiries as he may think fit to make or institute and shall certify what amount, if any, had at the time of such entry expulsion been reasonably earned by or have been reasonably earned by or would have reasonably earned by or or would reasonably accrue to the contractor in respect of work then actually done by him under the contract and the value of any of the said unused or partially used materials, any constructional plant and any temporary works.

(ii) Payment after forfeitures:
If the Director RGCA shall enter and expel the contractor under this clause, he shall not be liable to pay to the contractor any money on account of the contract until the expiration of the period of maintenance and thereafter until the costs of execution and maintenance, damages for delay in completion, if any, and all other expenses incurred by the Director RGCA have been ascertained and the amount thereof certified by the Director RGCA. The contractor shall then be entitled to receive only such sum or sums, if any, as the Director RGCA may certify would have been payable to him upon due completion by him after deducting the said amount. If such amount shall exceed the sum which would have been payable to the contractor on due completion by him then the contractor shall, upon demand, pay to the Director RGCA the amount of such excess within thirty days and it shall be deemed a debt due by the contractor to the Director RGCA and shall be recoverable accordingly.

(14) The Director RGCA shall be entitled to determine and terminate the contract at any time should, in his opinion, the cessation of works become unnecessary for any cause whatsoever, in which case the value of approved materials at site and of work done to date by the contractor will be paid for in full at the rates specified in the contract. Notice in writing from the Director RGCA of such determination and the reason therefore shall be conclusive evidence thereof. Should the contract be determined under this clause and the contractor claims payment for expenditure incurred by him in the expectation of completing the whole of the works, the Director RGCA shall admit and consider such claims as are deemed reasonable and are supported by vouchers to the satisfaction of the Director RGCA. The contractor shall have no claim to any payment of compensation or otherwise, however on account of any profit or advantage which he might have derived from the execution of the work

in full but which he did not derive in consequence of the determination of the contract. The Director RGCA's decision on the necessity and propriety of such expenditure shall be final and conclusive.

3.8. Bonus and Penalty:

- (1) The contractor shall not be entitled to payment of any bonus or incentive for early completion of the works.
- (2) Compensation for delay:
 - (i) If the contractor fails to maintain the required progress to complete the work and clear the site on or before the contract period or justified extended date of completion, then the contractor shall pay to the Director RGCA a sum at the rate of 1% (one percent) per month, computed on a pro-rata basis for each day of delay on the quantum of damage suffered due to stated delay on the part of contractor, irrespective of whether RGCA has incurred any loss or not.
 - (ii) Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% (ten percent) of the accepted tendered value of work or of the accepted tendered value of the sectional part of work.
- (3) Liquidated damages for delay:
 - (i) If the contractor shall fail to achieve completion of the works within the time prescribed by clause "Time of completion and Progression of work" then the contractor shall pay to the Director RGCA the sum stated in the contract as liquidated damages for such default and not as a penalty for every day or part of a day which shall elapse between the time prescribed in relevant clause thereof and the date of certified completion of the works, irrespective of whether RGCA has incurred any loss or not. The Director RGCA may, without prejudice to any other method of recovery, deduct the amount of such damages from any money in his hands, due or which may become due to the contractor. The amount or deduction of such damages shall not relieve the contractor from his obligation to complete the works, or from any other of his obligations and liabilities under the contract.
 - (ii) If, before the completion of the whole of the works any part or section of the works has been certified by the Director RGCA as completed, pursuant to clause "Certification of completion of works", and occupied or used by the Director RGCA, the liquidated damages for delay shall for any period of delay after such certificate and in the absence of alternative provisions in the

contract be reduced in the proportion which the value of the part or section so certified bears to the value of the whole of the works and Director RGCA's decision shall be final and binding as to the amount of such reduction, if any.

- (iii) The liquidated damages for delay of each week or part thereof, shall be at the rate of one percent, on the total value of the contract price excluding the value of such part or section of the works as may have been covered by certificate of completion. Provided however that the total amount of liquidated damages shall not exceed ten percent (10%) of the total contract price for the whole works.
- (iv) The liquidated damages referred to in sub-clause (1) to (3) above, shall be considered as a reasonable compensation to be applied to the use of the Director RGCA without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

3.9. Notices:

- (1) Contractors Local Office and Service of Notice to Contractor:
 - (i) The Contractor shall have a local office at or near site of work. Full address thereof shall be intimated by the Contractor or his authorized agent to the Director RGCA as well as the engineer in-charge.
 - (ii) All certificate, notices or written orders to be given by the Director RGCA or by the engineer in-charge to the Contractor under the terms of the Contract, shall be deemed to have been served by sending by registered post/ speed post to the last known place to abode or business of the Contractor on the date when in the ordinary course of post these would have been delivered to him or delivering the same to the Contractor's local office.
- (2) Service of Notice to the Director RGCA or Engineer in-charge:
 - (i) All notices to be given to the Director RGCA or to the engineer in-charge under the terms of the Contract, shall be served by sending by post or delivering the same to the site address and or the address of the Tender inviting authority as stated in the bid data.

(3) Change in Address:

- (i) The Director RGCA, the Engineer in-charge or the Contractor may change his nominated address to another address by prior written notice to the other two.

3.10. Settlement of Disputes:

(1) **Arbitration**

- (i) All disputes or differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of work/ service or after its completion and whether before or after the determination of the contract, shall be referred by the contractor to the Director RGCA and the Director RGCA shall within a reasonable time after their presentation make and notify decisions thereon in writing. The decisions directions, classifications, measurements, drawings and certificates with respect to any matter, decision of which is specially provided for by these conditions given and made by the Director RGCA, are matters which are referred to hereinafter as excepted matters, and shall be final and binding on the contractor, and shall not be set aside or attempted to be set aside on account of any informality, omission, delay or error in proceeding in or about the same or on any other ground or for any other reason and shall not be appealable.
- (ii) If the contractor be dissatisfied with the decision of the Director RGCA on any matter or question, dispute or difference on any account or as to the withholding by the Director RGCA of any certificate to which the contractor may claim to be entitled, or if the Director RGCA fails to make a decision within a reasonable time then and in any such case, but except in any of the excepted matters referred to above, the contractor may within a reasonable time but not exceeding 30 days of the receipt of communication of such decision take steps to refer the matter in question, dispute or difference to arbitration as herein under provided.
- (iii) The demand for arbitration by the contractor shall specify the matters which are in question, dispute or difference, only such dispute or difference(s) in respect of which the demand has been made shall be referred to arbitration and other matters shall not be included in the reference.
- (iv) If the contractor does not prefer his specific and final claims in writing within a period of sixty (60) days of receiving the intimation from Director RGCA that the final bill is ready for

payment, he will be deemed to have waived his claim(s) and the Director RGCA shall be discharged and released of all liabilities under the contract in respect of those claims.

(v) Matters in question, dispute or difference between the parties (whatever relating to the contractor's claim against the Director RGCA or vice versa) to be arbitrated upon shall be referred for decision to:

(a) In respect of sub-clauses with private contractors:

The sole arbitration of the by an arbitrator approved by the from the list of arbitrators defined by Engineers India and if the Director RGCA is unable or unwilling to act as such then the matter shall be referred to sole arbitration of such other person appointed by the Director RGCA willing to act as such arbitrator. There will be no objection, if the arbitrator, so appointed is unable to act for any reasons, Director RGCA in the event of such inability shall appoint another person to act as arbitrator in accordance with the terms of the sub-contract. Such other person shall be entitled to proceed with the reference from the state at which it as left by his predecessor. It is also a term of this contract that no person other than a person appointed by Director RGCA as aforesaid should act as arbitrator.

Subject as aforesaid the provision of the India Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

(b) In respect of sub-clauses with contractors with Public Sector Undertaking and Government Department:

The arbitration or one of the arbitrators in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in charge of the Bureau of Public Enterprises. The India Arbitration and Conciliation Act, 1996 shall not be applicable to the arbitration under this clause. The award of the arbitrator shall be binding upon the parties to the dispute, provided, however, any partly aggrieved by such award not have a further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law & Justice, Government of India, Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary/ Additional

Secretary when so authorized by the Law Secretary, whose decision shall bind the parties finally and exclusively.

- (c) The parties in dispute will share equally the cost of arbitration as intimated by the arbitrator.
- (d) It is a term of the sub-contract that the party seeking arbitration shall specify the dispute to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute(s). The arbitrator may from time to time with the consent of the parties enlarge the time for making and publishing the award. The work under the contract shall nevertheless continue during the arbitration proceedings. The arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties fixing the date of the first hearing. The arbitrator shall give a separate reasoned award in respect of each reference referred to.
- (e) The award of the arbitrator shall be final conclusive and binding on all parties to this contract.

(vi) Progress of work not to be interrupted:

The contractor must at all-time fulfill his obligations under the contract and shall not slow down or stop the progress of works during the period any dispute is under settlement either through reference to the Director RGCA or through arbitration, pursuant to the last preceding sub clause. Even if the works to be carried out during such period involves matters under dispute. Failure of the contractor in this respect shall constitute a default on his part and render him liable to action under the provisions of the clause "Remedies and Power".

(2) **Court Jurisdiction**

The Court within the jurisdiction of place where executing the works (i.e), Chennai, Tamil Nadu alone shall have jurisdiction to deal with any dispute arising out of this contract.

Annexure 1- Work & Material Specifications as per CPWD

S. No	Description	Work specification as per IS 1786-1985 , IS 456 & IS800	Approved Make as per CPWD
1	Cement	For Concrete works -53 Grade OPC with ISI mark	RAMCO, Chettinad, Ultratech, Birla, ACC
		For Plastering works -43 Grade OPC with ISI mark	
2	Steel Reinforcement	TMT - FE-500 with ISI mark	TATA , Vizag , Tulsian , Jindal , Zail
3	Structural Steel sections	as mentioned in the BOQ with ISI mark	TATA , Vizag , Tulsian , Jindal , Zail
4	Aluminium works	as mentioned in the BOQ with ISI mark	Jindal , Indal , Hindalco
5	Epoxy Paint	as mentioned in the BOQ (Color - Black , Blue & Grey)	Asian , Shalimar
6	Enamel Paint & Exterior Paint	as mentioned in the BOQ	Asian ,Shalimar, Berger ,Nipon
7	Emulsion	as mentioned in the BOQ	Asian ,Shalimar, Berger ,Nipon
7	Water proofing materials	as mentioned in the BOQ	Fosroc, ROFF / Dr. Fixit (Pidilite Industries), CICO, Sika, BASF, Ardex Endura (Bal Endura)
8	UPVC Doors & Windows	as mentioned in the BOQ	Fenesta, KOMERLING, RHEAU, Aluplast, NCL VEKA Limited
9	PVC Pipes	as mentioned in the BOQ	Finolex, Astral, Sudhakar/ Macoplast/ Modi (ISI MARK)
10	UPVC Pipes	as mentioned in the BOQ	PRINCE/ SUPREME/ ASHIRWAD / EQ
11	Roof Sheets (Corrugated)	as mentioned in the BOQ with ISI Mark	GE / Macrolux / Polytechno / Danpalon/ Everest / TATA / Hitech
13	Locks	as mentioned in the BOQ	Godrej, Dorset, Yale, EPPW, Dorma, Kitch.
14	Float Glass / Mirror	as mentioned in the BOQ	Modi guard, Saint gobain, Ashahi, HNG
15	Glazed tiles	as mentioned in the BOQ	Somany, Vermora,Simpolo, Sunheart, Kajaria Nitco
16	Ceramic tiles	as mentioned in the BOQ	Somany,Vermora,Simpolo,Sunheart, Kajaria Nitco
17	Vitrified Tiles	as mentioned in the BOQ	Somany, Vermora,Simpolo, Sunheart, Kajaria Nitco
18	Joint Filler / silicon paint	as mentioned in the BOQ	Wacker, Dowcorning, Sika, Chokshi, Saudal.
19	Paint, primer	as mentioned in the BOQ	Asian, Berger, ICI,
20	putty	as mentioned in the BOQ	Birla , Berger, Asian
21	Aluminum sections	as mentioned in the BOQ	Jindal, Hindalco, Gujarat extrusion, Banco
22	Aluminum finish	as mentioned in the BOQ	Color anodized / pure polyester powder coating
23	Window locks cum handle	as mentioned in the BOQ	Alualpha, Giessee or equivalent.

24	Door Window & Furniture Hardware	as mentioned in the BOQ	Enox , dorma , godrej , Kitch, EPPW, Dorma, Palladium, Ozon, Magnum, Yale.
25	SWR PVC PIPE & FITTINGS 6 KG CM ² ; FITTINGS : 6 KG CM ² ECO. DRAIN PIPE & FITTINGS	as mentioned in the BOQ	FINOLEX /SUPREME/PRINCE/ SUPREME/ ASTRAL
26	SANITARY FIXTURES	as mentioned in the BOQ	JAQUAR / HINDWARE / PARRYWARE / CERA /KOHLAR
27	MCB/ELCB/RCCB/E LMCB	as mentioned in the BOQ	LEGRAND DX3, ABB,HAGER,SCHNEIDER,C&S, L&T,SEIMENS
28	ELECTRICAL CABLES	as mentioned in the BOQ	AVOCAB,FINOLEX,PRIMECAB,PO LYCAB,DIAMOND POWER,RRCABLE,HAVELLS,RR
29	PVC Conduit(ISI Marked)	as mentioned in the BOQ	Avon plast/AKG/Precision/Modi/ Anchor/ Vasavi(Emjay/Javeri)
30	Cat 6 Cable	as mentioned in the BOQ	Legrand/Delton/ AMP/Havells
31	Modular Switch& Sockets, Fan Regulator,RJ-45 Data Socket	as mentioned in the BOQ	Lagrand-Myrius/Crabtree-Athena/MK- Logicplus/HoneyWellBenzplus/ Anchor (RomaPlus)/Schneider(Livia)/Savic
32	PVC Insulated Copper Conductor FRLS Copper ISI Marked	as mentioned in the BOQ	Anchor/Finolex/Havells/RR Kabel/Asmon/Mescab/L&T/KEI/P over Flex
33	XLPE UG Aluminum /Copper LT Cable	as mentioned in the BOQ	Anchor/Finolex/Havells/RR Kabel/Asmon/Mescab/L&T/KEI/P over Flex
34	Cable gland	as mentioned in the BOQ	Jainsons/Comet/Dowells/Prabath
35	Cable Lugs	as mentioned in the BOQ	Jainsons/Comet/Dowells/Prabath
36	1200mm Ceiling Fan Five star Rated	as mentioned in the BOQ	Crompton/Orient/Havells/Bajaj/S urya/Almonard
37	Exhaust Fan	as mentioned in the BOQ	Crompton/Orient/Havells/Bajaj/S urya/Almonard
38	All LED Fittings	as mentioned in the BOQ	Crompton/Bajaj/Halonix/Philips/S urya/Jaquar/Wipro/Havells/Corvi /Syska/Panasonic/Everyday/Lighti ng Technologies/Litaski/Polycab
39	Electrical LT Panel Boards	as mentioned in the BOQ	CPRI Approved for relevant bus bar rating

(to be signed on a stamp paper with minimum value of Rs.100)

Annexure - 2

AGREEMENT FORMAT

THIS AGREEMENT made in.... location Sirkali the -th day of202...

BETWEEN

M/s. Rajiv Gandhi Centre for Aquaculture (RGCA), Marine Products Export Development Authority (MPEDA), Ministry of Commerce & Industry Government of India, having its Head Office at 3/197 Poompuhar Road, Sattanathapuram, Karimedu Village, Sirkali Taluk, Mayiladuthurai District - 609109, Tamil Nadu represented by the Director, (hereinafter called "Director RGCA" or "FIRST PARTY" which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns) of the ONE PART.

AND

M/s..... represented by Shri, Aged..., son of residing at (address) (Hereinafter called "Contractor" or "SECOND PARTY" which expression shall unless repugnant to the meaning or context hereof mean and includes its legal heirs, successors and assigns) of the OTHER PART.

WHEREAS the Director RGCA is desirous of doing a Construction Works / Repairs & Maintenance works, herein after referred collectively as "works", at its RGCA - Aquatic Quarantine Facility (AQF) at Neelankarai, Chennai, Tamil Nadu as per Schedule I to this Agreement and has caused Notice Inviting Tender, Terms and Conditions of Contract, bill of quantities and a specification describing the work to be done as prepared by RGCA.

And has accepted the offer of the second party on the basis of their bid in response thereto to execute the aforesaid work to the complete satisfaction of the first party.

AND WHEREAS the said drawings as per Schedule II inclusive of the bill of quantities and the specifications as per RGCA specifications/ M.E.S.S./ Local PWD Specifications/ Highway Manuals/ The Indian Standard Specifications have been signed by or on behalf of the parties hereto:

The work shown upon the said drawings and described in the said specification and included in the said bill of quantities for the sum of Rs..... (Rupees.....).

NOW IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES AS FOLLOWS:

1. In consideration of the sum of Rs..... (Rupees.....). The sum of only to be paid at the times and in the manner set forth in the said conditions subject to changes on the basis of actual measurement by the first party or his authorized Engineer in charge, the Contractor will upon and subject to the said conditions execute and complete the works shown upon the said drawings and described in the said specification and bill of quantities.
2. The Director RGCA will pay to the Contractor the said sum of Rs..... (Rupees) or such other sum as shall become payable hereunder at the times and in the manner specified in the said conditions.
3. The notice inviting tender, said conditions, specifications and priced bill of quantities shall be read and construed as forming part of this Agreement, and the parties hereto will respectively abide by and submit themselves to the conditions and stipulations and perform the Agreement on their parts respectively in such conditions, specifications and priced bill of quantities contained.
4. Payments shall be made to the Contractor for works done and measured in terms of the provisions as per the payment schedule specified in para 1.6 of the tender document. All payments are subject to the deduction of Security Deposit/ Retention Money as specified in para 3.6 of the tender document.
5. Time is the essence of this contract. The time for the completion of the work is 6 Six Months from the 7th day of placing the work order, as per the time schedule specified in para 1.5 of the tender document.
6. Penalties for delay shall be applicable in the form of compensation and/or liquidated damages, as specified in para 3.8(2) and 3.8 (3) of the terms and conditions of the tender document.
7. The following, along with their subsequent amendment/corrigendum (if any), shall form part of the contract
 - i) Notice Inviting Tender(NIT)
 - ii) Tender Document

- iii) Bill of Quantity & Drawing (submitted by Contractor)
- iv) Letter of Acceptance (LOA)
- v) Integrity Agreement
- vi) Work Order

In witness whereof the parties hereunto set their hand the day and year first above written.

Signed by the Director RGCA:

Signed by the Contractor:

.....

.....

In the Presence of Witnesses:

NAME:

OCCUPATION:

ADDRESS:

NAME:

OCCUPATION:

ADDRESS:

SCHEDULE I

Scope of Work:

1. The scope of work under this contract, at project site, shall broadly include:

- (i) **Repair & Maintenance of works for Aquatic Quarantine Facility at RGCA - AQF Neelankarai, Chennai, Tamil Nadu.**
- (ii) **Stacking the dismantled items (Roof sheets, MS roof structural steel etc. as per BOQ)**
- (iii) **Buy back of the scraped items which are dismantled & Removing/ Clearing the unserviceable items which are dismantled from the site.**

a. AQF Main Office

Renovation and up-gradation work of building via.,

- (i) Tiles Repairing & New Tiles laying
- (ii) Wall plastering repairing
- (iii) Ceiling plastering repairing
- (iv) Painting
- (v) Removing the existing roof sheets & laying new Roofing Sheets & Gutter
- (vi) Door and Windows
- (vii) Sanitary & Plumbing
- (viii) Electrical works

b. Canteen Building

Renovation and up-gradation work of building via.,

- (i) Removing the existing roofing sheets & Laying new asbestos Sheets
- (ii) Truss repair works

c. Scientist Quarters Building

Renovation and up-gradation work of building via.,

- (i) Removing the existing roofing sheets & Laying new asbestos Sheets
- (ii) Truss repair works

2. Major works, as part of the scope of the work, shall include but not be limited to the following.

- (i) Obtaining all necessary approvals / clearances from appropriate Authorities, if any, relating to the work,
 - (ii) Existing floor tiles removing and providing new vitrified tiles including the raising of front floor area.
 - (iii) Existing false ceiling removing and providing new false ceiling
 - (iv) Removing existing doors & windows & providing new flush doors and Aluminium doors
 - (v) Plaster repair on wall & ceiling surface
 - (vi) Painting on wall & ceiling surfaces including outer walls
 - (vii) Repair & refixing the sanitary fittings in Toilet
 - (viii) Removal of existing asbestos roof sheets and laying with new Non-Asbestos roofing sheet properly fixing with on wall edges.
 - (ix) Providing additional lintels & sunshades
 - (x) Removing all existing wirings, switch, sockets & other main breakers & providing new electrical provisions with LDB & PDB and provision for new air-conditioners.
 - (xi) Miscellaneous and all related ancillary works.
3. All work shall be performed in accordance with the terms, conditions and approved drawings and as per the instructions of the Director RGCA.

SCHEDULE II

Name of Work : REPAIR & MAINTENANCE WORKS FOE AQUATIC QUARANTINE FACILITY AT RGCA - AQF, NEELANKARAI, CHENNAI, TAMILNADU.

BILL OF QUANTITIES

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
1	Brick work					
	CPWD DSR 6.4 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:					
	CPWD DSR 6.4.2 Cement mortar 1:6 (1 cement : 6 coarse sand)	2.00	Cum			
2	Plastering					
	CPWD DSR 13.4 12 mm cement plaster of mix :					
	CPWD DSR 13.4.1 1:4 (1 cement: 4 coarse sand)	50.00	Sq m			
3	CPWD DSR 13.2 15 mm cement plaster on the rough side of single or half brick wall of mix:					
	CPWD DSR 13.2.1 1:4 (1 cement: 4 fine sand)	23.00	Sq m			
4	Reinforced cement concrete					
	CPWD DSR 5.1 Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
	CPWD DSR 5.1.3 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	11.00	Cum			
5	CPWD DSR 5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 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)	1.00	Cum			
6	CPWD DSR 5.9 Centering and shuttering including strutting, propping etc. and removal of form for					
	CPWD DSR 5.9.5 Lintels, beams, plinth beams, girders, bressumers and cantilevers	15.00	Sq m			

**Name of Work : REPAIR & MAINTENANCE WORKS FOE AQUATIC QUARANTINE FACILITY AT RGCA - AQF,
NEELANKARAI, CHENNAI, TAMILNADU.**

BILL OF QUANTITIES

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
	Vitrified Floor Tiles					
7	CPWD DSR 11.41 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades,laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand)jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.					
	CPWD DSR 11.41.2 Size of Tile 600x600 mm	135.00	Sq m			
	False ceiling					
8	CPWD DSR 12.53 Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main "T"runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main "T" runners to be suspended from ceiling using G.I.slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm,spaced at 1200 mm centre to centre along main "T", bottom exposed with 24 mm of all Tsections shall be pre painted with polyster baked paint,for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.	90.00	Sq m			
	Aluminium Doors and windows					
9	CPWD DSR 21.1 Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free,straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P.brass / stainless steel screws,					

**Name of Work : REPAIR & MAINTENANCE WORKS FOE AQUATIC QUARANTINE FACILITY AT RGCA - AQF,
NEELANKARAI, CHENNAI, TAMILNADU.**

BILL OF QUANTITIES

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
	all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately) :					
	CPWD DSR 21.1.2 For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					
	CPWD DSR 21.1.2.2 Powder coated aluminium (minimum thickness of powder coating 50 micron)	192.00	Kg			
	Wooden Flush Door					
10	CPWD DSR 9.20 Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters					
	CPWD DSR 9.20.1 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	3.50	Sq m			
	Toilet Doors					
11	CPWD DSR 9.142 35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm (\pm 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side),having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner.Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at bothends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self drivenself tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer in-charge.					
	CPWD DSR 9.142.1 Non decorative finish (matt finish)	6.00	Sq m			

**Name of Work : REPAIR & MAINTENANCE WORKS FOE AQUATIC QUARANTINE FACILITY AT RGCA - AQF,
NEELANKARAI, CHENNAI, TAMILNADU.**

BILL OF QUANTITIES

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
	Painting work					
12	CPWD DSR 13.45 Finishing walls with textured exterior paint required shade : Interior wall surface					
	CPWD DSR 13.45.1 New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	314.00	Sq m			
13	CPWD DSR 13.46 Finishing walls with Acrylic Smooth exterior paint of required shade : Exterior wall surface					
	CPWD DSR 13.46.1 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)	270.00	Sq m			
14	CPWD DSR 13.52 Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.					
	CPWD DSR 13.52.1 On steel work	214.44	Sq m			
15	CPWD DSR - 15.7 Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge					
	15.7.4 In cement mortar	2.00	Cum			
16	CPWD DSR 15.28 Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:					
16a	CPWD DSR 15.28. GS Sheet	192.35	Sq m			
16b	CPWD DSR 15.28.2 Asbestos Cement sheet	300.00	Sq m			
17	CPWD DSR 15.23 Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.					
	CPWD DSR 15.23.1 For thickness of tiles 10 mm to 25 mm	105.00	Sq m			
	Santitary Fittings Installation					
18	CPWD DSR 17.3 Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets,40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required					
	CPWD DSR 17.3.1 W.C. pan with ISI marked white solid plastic seat and lid	1.00	Each			

**Name of Work : REPAIR & MAINTENANCE WORKS FOE AQUATIC QUARANTINE FACILITY AT RGCA - AQF,
NEELANKARAI, CHENNAI, TAMILNADU.**

BILL OF QUANTITIES

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
19	CPWD DSR 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:					
	CPWD DSR 17.7.3 White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps each	1.00	Each			
20	CPWD DSR 18.5 Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.					
	CPWD DSR 18.5.1 15 mm nominal bore	3.00	Each			
21	Structural steel work					
	CPWD DSR 10.2 Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete	700.00	Kg			
	Roofing Work					
22	Chennai City Corporation - BD-511 Providing roofing with asbestos cement corrugated sheets 6mm (IS459) thick including fixing with 'J' bolts and nuts with bitumen washers etc., complete as directed during execution.	500.00	Sq m			
22a	Chennai City Corporation - BD-512 Providing asbestos cement ridges (adjustable) to fit the corrugated or traffered sheets including fixing, etc. complete	30.00	RM			
	Rain Water Gutter Work					
23	CPWD DSR 12.66.6 Precoated/mill finish aluminium Gutter (600 mm over all girth)	22.00	RM			
24	Chennai City Corporation - BD-668 Supplying and fixing PVC 160mm dia rain water down fall pipe as per ISI standard (I.S.4985) including PVC bends without door arrangements shoes, gratings with clamps of suitable size fixed to wooden plugs embeded in walls in cement mortar 1:3 (1 cement,3 Crushed Stone Sand (Commercially called M-Sand) including cutting beles in walls and making good the same after fixing the plugs etc., complete as directed during execution.	28.00	RM			
25	Aluminium Repair work					
	Market Rate Repair & refixing of aluminium glazed doors and partitions. The rate shall inclusive of materials and labour work as per engineer direction.	104.00	Kg			
Total Civil Works Amount (A) Rs.						

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
	Micro Biology Room					
1	CPWD DSR (E&M 2022) 1.17.2 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	2X1.5 Sqmm (Colour-Red, Black)	6.00	Meter			
	Light Point					
2	CPWD DSR (E&M 2022) 1.3.3 Wiring for Light Point/ Fan point/Call bell point with 1.5 sqmm FRLS PVC Insulated Copper conductor single core cable in surface /recessed Steel conduit with Modular switch, Modular plate, Suitable GI Box and Earthing the point with 1.5 Sqmm FRLS PVC Insulated Copper Conductor single core cable etc. as required	2.00	Point			
	From DB to Switch Box(Power Socket)					
3	CPWD DSR (E&M 2022) 1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	6.00	Meter			
4	MARKET RATE Supply of PVC Trunking 38X 20 mm (White Colour)	2.00	Meter			
5	MARKET RATE Supply of Surface PVC Switch Box 8 Module Horizontal (White Colour)	1.00	Nos			
6	MARKET RATE Supply of 8 Modules PVC Modular Tresa Plate with Frame (White)	1.00	Nos			
7	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
a)	CPWD DSR (E&M 2022) 1.24.3 15/16 A switch 1 way	2.00	Nos			
b)	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	3.00	Nos			
8	CHENNAI CORPORATION ED-283 20A modular MCB (White Colour)	1.00	Nos			
9	CHENNAI CORPORATION ED-531 Supply of 18W LED 3000K Round Type Recessed Fitting with LED	2.00	Each			
10	CPWD DSR (E&M 2022) 1.35 Installation, Testing commissioning of Wall bracket/Ceiling fittings of all sizes and Shapes containing up to LED Lamps per fitting, Complete with all Accessories including connections required	1.00	Each			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
	For Air Conditioner					
11	CPWD DSR (E&M 2022) 1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	6.00	Meter			
12	CPWD DSR (E&M 2022) 1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	6.00	Meter			
13	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
a)	CPWD DSR (E&M 2022) 1.24.3 15/16 A switch 1 way	1.00	Nos			
b)	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	1.00	Nos			
14	MARKET RATE Supply of Surface PVC Box 6 Module (White Colour)	1.00	Nos			
15	MARKET RATE Supply of 6 Modules PVC Modular Tresa Plate with Frame (White Colour)	1.00	Nos			
16	CPWD DSR (E&M 2022) 1019 Supply of Electrician (For Installation and Commissioning of 8M Modular Switch box mini MCB fixing and Connection and 2M Modular Switch box Fixing work	0.50	Day			
	Visitors Room					
17	CPWD DSR (E&M 2022) 1.17.2 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	2X1.5 Sqmm (Colour-Red, Black)	12.00	Meter			
18	CPWD DSR (E&M 2022) 1.3.3 Wiring for Light Point/ Fan point/Call bell point with 1.5 sqmm FRLS PVC Insulated Copper conductor single core cable in surface /recessed Steel conduit with Modular switch, Modular plate, Suitable GI Box and Earthing the point with 1.5 Sqmm FRLS PVC Insulated Copper Conductor single core cable etc. as required	2.00	Point			
	For Power Socket From DB to Switch Box					
19	CPWD DSR (E&M 2022) 1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	12.00	Meter			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
20	MARKET RATE Supply of Surface PVC Box 6 Module (White Colour)	1.00	Nos			
21	MARKET RATE Supply of 6 Modules PVC Modular Tresa Plate with Frame (White Colour)	1.00	Nos			
22	MARKET RATE Supply of PVC Trunking 38X 20 mm (White Colour)	2.00	Nos			
23	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
a)	CPWD DSR (E&M 2022) 1.24.3 15/16 A switch 1 way	1.00	Nos			
b)	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	1.00	Nos			
24	CPWD DSR (E&M 2022) 1019 Supply of Electrician (For Installation and Commissioning of 6M Modular Switch box Erection of PVC Trunking	0.5	Day			
25	MARKET RATE Supply of LED Light Fall ceiling Round Type 15 W White colour	1.00	Nos			
26	CPWD DSR (E&M 2022) 1.35 Installation, Testing commissioning of Wall bracket/Ceiling fittings of all sizes and Shapes containing up to LED Lamps per fitting, Complete with all Accessories including connections required	1.00	Each			
27	CPWD DSR (E&M 2022) 19.1 Supply and Installation, Commissioning of 1200mm Sweep BEE 5 Star Ceiling Fan with brush less Direct Current (BLDC) Motor Class of Insulation B Nos of Blades ,30cm Long Down Rod 2 Nos Canopies Shackle kit, Safety Rope, Cpeer winding power factor not less than 0.9 service value (CM/M/W) minimum 6.00 Air Delivery minimum 210 Cum/Min,350 RPM (Tolerance as per IS: 374-2019)THD less than 10% remote or Electronic Regulator for speed control all remaining accessories including Safety Pin, Nut Bolts, Washers, Temperature rise=75 deg C (Max) Insulation resistance more than 2 Mega ohm suitable for 230V,50HZ single phase AC Supply earthing etc, Complete as required	1.00	Nos			
	Veranda					
28	CPWD DSR (E&M 2022) 1.17.2 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	2X1.5 Sqmm (Colour-Red, Black)	12.00	Meter			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
29	MARKET RATE Supply of Surface PVC Box 2 Module (White Colour)	1.00	Nos			
30	MARKET RATE Supply of 2 Modules PVC Modular Tresa Plate with Frame (White)	1.00	Nos			
31	MARKET RATE Supply of PVC Trunking 38X 20 mm (White Colour)	1.00	Meter			
32	CPWD DSR (E&M 2022) 1.3.3 Wiring for Light Point/ Fan point/Call bell point with 1.5 sqmm FRLS PVC Insulated Copper conductor single core cable in surface /recessed Steel conduit with Modular switch, Modular plate, Suitable GI Box and Earthing the point with 1.5 Sqmm FRLS PVC Insulated Copper Conductor single core cable etc. as required	1.00	Point			
33	CPWD DSR (E&M 2022)1019 Supply of Electrician (For Installation of 6M and 2M Modular Switch box installation and Modular Plate installation and Switch Installation and Connections	0.50	Day			
34	MARKET RATE Supply of LED Light Fall ceiling Round Type 12 W White colour Round Type Recessed Fitting with LED	1.00	Nos			
35	CPWD DSR (E&M 2022) 1.35 Installation, Testing commissioning of Wall bracket/Celling fittings of all sizes and Shapes containing up to LED Lamps per fitting, Complete with all Accessories including connections required	1.00	Each			
	AQMS Room					
	Switch Box to Lighting Point					
36	CPWD DSR (E&M 2022) 1.3.3 Wiring for Light Point/ Fan point/Call bell point with 1.5 sqmm FRLS PVC Insulated Copper conductor single core cable in surface /recessed Steel conduit with Modular switch, Modular plate, Suitable GI Box and Earthing the point with 1.5 Sqmm FRLS PVC Insulated Copper Conductor single core cable etc. as required	1.00	Point			
37	CPWD DSR (E&M 2022)1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	15.00	Meter			
	For AC					
38	CPWD DSR (E&M 2022)1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	20.00	Meter			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
39	MARKET RATE Supply of Surface PVC Switch Box 8 Module Horizontal (White Colour)	1.00	Nos			
40	MARKET RATE Supply of Surface PVC Box 2 Module (White Colour)	1.00	Nos			
41	MARKET RATE Supply of 8 Modules PVC Modular Tresa Plate with Frame (White Colour)	1.00	Nos			
42	MARKET RATE Supply of 2 Modules PVC Modular Tresa Plate with Frame (White Colour)	1.00	Nos			
43	MARKET RATE Supply of PVC Trunking 38X 20 mm (White Colour)	3.00	Meter			
44	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
	CPWD DSR (E&M 2022) 1.24.3 15/16 A switch 1 way	2.00	Nos			
	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	2.00	Nos			
45	CHENNAI CORPORATION (2020-21) ED-281 20A modular MCB (White Colour)	1.00	Nos			
46	CHENNAI CORPORATION (2020-21) ED-531 Supply of 18W LED 3000K Round Type Recessed Fitting with LED	1.00	Nos			
47	CPWD DSR (E&M 2022)1.35 Installation, Testing commissioning of Wall bracket/Ceiling fittings of all sizes and Shapes containing up to LED Lamps per fitting, Complete with all Accessories including connections required	1.00	Each			
48	CPWD DSR (E&M 2022)1019 Supply of Electrician (For Installation of 8M and 2M Modular Switch box installation and Modular Plate installation and Switch Installation and Connections and Commissioning Erection of PVC Trunking & Mini MCB Installation and etc.	1.00	Day			
	Office Hall					
	From DB to Switch Box					
49	CPWD DSR (E&M 2022)1.17.2 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	2X1.5 Sqmm (Colour-Red, Black)	20.00	Meter			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
50	CPWD DSR (E&M 2022) 1.3.3 Wiring for Light Point/ Fan point/Call bell point with 1.5 sqmm FRLS PVC Insulated Copper conductor single core cable in surface /recessed Steel conduit with Modular switch, Modular plate, Suitable GI Box and Earthing the point with 1.5 Sqmm FRLS PVC Insulated Copper Conductor single core cable etc. as required	4.00	Point			
	For Power Socket-1					
51	CPWD DSR (E&M 2022)1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	15.00	Meter			
52	MARKET RATE Supply of Surface PVC Switch Box 8 Module Horizontal (White Colour)	1.00	Nos			
53	MARKET RATE Supply of 8 Modules PVC Modular Tresa Plate with Frame (White Colour)	1.00	Nos			
54	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
a)	CPWD DSR (E&M 2022) 1.24.3 15/16 A switch 1 way	2.00	Nos			
b)	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	2.00	Nos			
55	For Power Socket-2					
	CPWD DSR (E&M 2022)1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	25.00	Meter			
56	MARKET RATE Supply of Surface PVC Box 6 Module (White Colour)	1.00	Nos			
57	MARKET RATE Supply of 6 Modules PVC Modular Tresa Plate with Frame (White)	1.00	Nos			
58	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
a)	CPWD DSR (E&M 2022) 1.24.3 15/16 A switch 1 way	2.00	Nos			
b)	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	2.00	Nos			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
	For Power Socket-3					
59	CPWD DSR (E&M 2022)1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	25.00	Meter			
60	MARKET RATE Supply of Surface PVC Box 6 Module (White Colour)	1.00	Nos			
61	MARKET RATE Supply of 6 Modules PVC Modular Tresa Plate with Frame (White)	1.00	Nos			
62	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
a)	CPWD DSR (E&M 2022) 1.24.3 15/16 A switch 1 way	2.00	Nos			
b)	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	2.00	Nos			
	For Power Socket-4					
63	CPWD DSR (E&M 2022)1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	25.00	Meter			
64	MARKET RATE Supply of Surface PVC Box 6 Module (White Colour)	1.00	Nos			
65	MARKET RATE Supply of 6 Modules PVC Modular Tresa Plate with Frame (White)	1.00	Nos			
66	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
a)	CPWD DSR (E&M 2022) 1.24.3 15/16 A switch 1 way	2.00	Nos			
b)	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	2.00	Nos			
	AC Point-1 (Project Manager Room)					
67	CPWD DSR (E&M 2022)1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	25.00	Meter			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
68	MARKET RATE Supply of Surface PVC Box 2 Module (white Colour)	1.00	Nos			
69	MARKET RATE Supply of 2 Modules PVC Modular Tresa Plate with Frame (White)	1.00	Nos			
70	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
71	CHENNAI CORPORATION (2020-21) ED-283 20A modular MCB (White Colour)	1.00	Nos			
72	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	1.00	Nos			
	AC Point-2 (Office)					
73	CPWD DSR (E&M 2022)1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	25.00	Meter			
74	MARKET RATE Supply of Surface PVC Box 2 Module (White Colour)	1.00	Nos			
75	MARKET RATE Supply of 2 Modules PVC Modular Tresa Plate with Frame (White)	1.00	Nos			
76	CPWD DSR (E&M 2022) 1.21.2 Supply and Fixing of following size of Medium Class PVC Conduit along with accessories in Surface/recess including cutting wall and making good the same in case of recessed conduit as required					
	Medium class PVC Conduit 25 mm (White Colour)	2.00	Meter			
77	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
a)	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	2.00	Nos			
78	CHENNAI CORPORATION (2020-21) ED-283 20A modular MCB (White Colour)	1.00	Nos			
	For AC Point-3 (Office)					
79	CPWD DSR (E&M 2022)1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	35.00	Meter			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
80	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	1.00	Nos			
81	CHENNAI CORPORATION (2020-21) ED-283 20A modular MCB (White Colour)	1.00	Nos			
82	MARKET RATE Supply of Surface PVC Box 2 Module (White Colour)	2.00	Nos			
83	MARKET RATE Supply of 2 Modules PVC Modular Tresa Plate with Frame (White)	2.00	Nos			
84	MARKET RATE Supply of PVC Trunking 38X 20 mm (White Colour)	25.00	Meter			
85	CHENNAI CORPORATION (2020-21) ED-531 Supply of 18W LED 3000K Round Type Recessed Fitting with LED	4.00	Nos			
86	CPWD DSR (E&M 2022)1.35 Installation, Testing commissioning of Wall bracket/Ceiling fittings of all sizes and Shapes containing up to LED Lamps per fitting, Complete with all Accessories including connections required	4.00	Each			
87	CPWD DSR (E&M 2022)1019 Supply of Electrician (For Installation of 8M and 2M ,6M Modular Switch box installation and Modular Plate installation and Switch Installation and Connections and commissioning Installation of PVC Trunking & Mini MCB Installation and Other works	1.00	Day			
	Project Manager Room					
88	CPWD DSR (E&M 2022) 1.17.2 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	2X1.5 Sqmm (Colour-Red, Black)	25.00	Meter			
89	CPWD DSR (E&M 2022) 1.3.3 Wiring for Light Point/ Fan point/Call bell point with 1.5 sqmm FRLS PVC Insulated Copper conductor single core cable in surface /recessed Steel conduit with Modular switch, Modular plate, Suitable GI Box and Earthing the point with 1.5 Sqmm FRLS PVC Insulated Copper Conductor single core cable etc. as required	5.00	Point			
	For Power Socket-1					
90	CPWD DSR (E&M 2022)1.17.21 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	3X 4 Sq.mm (Colour-Red, Black, Green)	20.00	Meter			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
91	MARKET RATE Supply of Surface PVC Box 6 Module (White Colour)	1.00	Nos			
92	MARKET RATE Supply of 6 Modules PVC Modular Tresa Plate with Frame (White Colour)	1.00	Nos			
93	CPWD DSR (E&M 2022) 1.24 Supplying and Fixing following Modular Switch /Socket on the existing Modular Plate & Switch Box including Connections but Excluding Modular Plate					
a)	CPWD DSR (E&M 2022) 1.24.3 15/16 A switch 1 way	2.00	Nos			
b)	CPWD DSR (E&M 2022) 1.24.5 6 Pin 15/16 A Socket	2.00	Nos			
94	CPWD DSR (E&M 2022) 1.17.2 Supplying and Drawing Following Sizes of FRLS PVC Insulated Copper Conductor, Single Core cable in the Surface/recessed steel PVC conduit as required					
	2X1.5 Sqmm (Colour-Red, Black)	20.00	Meter			
95	MARKET RATE Supply of Surface PVC Box 2 Module (White Colour)	4.00	Nos			
96	MARKET RATE Supply of 2 Modules PVC Modular Tresa Plate with Frame (White Colour)	4.00	Nos			
97	MARKET RATE Supply of PVC Trunking 38X 20 mm (White Colour)	5.00	Meter			
98	CHENNAI CORPORATION (2020-21) ED-531 Supply of 18W LED 3000K Round Type Recessed Fitting with LED	2.00	Nos			
99	Market Rate Supply of 12W LED Round Type Recessed Fitting with LED	3.00	Nos			
100	CPWD DSR (E&M 2022)1.35 Installation, Testing commissioning of Wall bracket/Celling fittings of all sizes and Shapes containing up to LED Lamps per fitting, Complete with all Accessories including connections required	5.00	Each			
101	CHENNAI CORPORATION ED-179 Supply and Fixing of A.C Exhaust Fan 450mm (18") Sweep (Light Duty) complete with necessary wall opening and making good of the wall	3.00	Nos			
102	CPWD DSR (E&M 2022) 1.3.3 Wiring for Light Point/ Fan point/Call bell point with 1.5 sqmm FRLS PVC Insulated Copper conductor single core cable in surface /recessed Steel conduit with Modular switch, Modular plate, Suitable GI Box and Earthing the point with 1.5 Sqmm FRLS PVC Insulated Copper Conductor single core cable etc. as required	3.00	Point			
103	CPWD DSR (E&M 2022)1019 Supply of Electrician	2.00	Day			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
	(For Installation of 8M and 2M ,6M Modular Switch box installation and Modular Plate installation and Switch Installation and Connections and commissioning Installation of PVC Trunking					
	MCB & DB Box					
104	CPWD DSR (E&M 2022)2.4 Supplying and Fixing Following way Vertical type Three pole and Neutral Sheet Steel MCB Distribution board,415V on Surface/Recess, Complete with tinned copper bus bar, neutral Bus bar, Earth bar, Din bar for mounting of MCBs (But without MCBs and incomer) as required. Note: Vertical Type MCB TPDB for 3 Phase outlets					
	CPWD DSR (E&M 2022)2.4.3 8way (4+24) Double Door	2.00	Each			
105	CPWD DSR (E&M 2022)2.10 Supplying and Fixing 5A to 32A rating ,240/415V ,10KA,C -Curve Miniature Breaker Suitable for Inductive Load of following poles in the existing MCB DB complete with connections, testing and commissioning etc.as required.					
	CPWD DSR (E&M 2022)2.10.1 6A Single pole	10.00	Nos			
106	CPWD DSR (E&M 2022)2.10 Supplying and Fixing 5A to 32A rating ,240/415V ,10KA,C -Curve Miniature Breaker Suitable for Inductive Load of following poles in the existing MCB DB complete with connections, testing and commissioning etc.as required.					
	CPWD DSR (E&M 2022)2.10.1 16A Single Pole	15.00	Nos			
107	CPWD DSR (E&M 2022) 2.14 Supplying and Fixing Following rating double pole (Single phase and Neutral),240 residual Current Circuit Breaker (RCCB), having a sensitive Current 30 mA in the Existing MCB DB Complete with Connections, testing and commissioning etc. as required					
	CPWD DSR (E&M 2022) 2.14.2 RCCB 40 A	3.00	Nos			
108	CPWD DSR (E&M 2022) 2.14 Supplying and Fixing Following rating double pole (Single phase and Neutral),240 residual Current Circuit Breaker (RCCB), having a sensitive Current 30 mA in the Existing MCB DB Complete with Connections, testing and commissioning etc. as required					
	CPWD DSR (E&M 2022) 2.14.1 RCCB 25 A	3.00	Nos			
109	CPWD DSR (E&M 2022)2.13 Supplying and Fixing following rating, Four Pole,415V,Isolator in the Existing MCB DB Complete with Connections, testing and Commissioning etc.as required					
	CPWD DSR (E&M 2022)2.13.2 63A	2.00	Nos			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
110	CPWD DSR (E&M 2022) 1019 Supply of Electrician (For Installation and Commissioning of MCB,RCCB in DB Box and other DB related wiring)	1.00	Day			
	Telecom & LAN					
111	CHENNAI CORPORATION (2020-21) ED-755 Supply of CAT 6 LAN cable	100.00	Meter			
112	CHENNAI CORPORATION (2020-21) ED-786 Supply of I/O Socket RJ-45	12.00	Each			
113	CHENNAI CORPORATION (2020-21) ED-788 Supply of CAT 6 PVC Module Box	12.00	Each			
114	CHENNAI CORPORATION (2020-21) ED-789 Supply of Face Plate Single RJ-45	12.00	Each			
115	MARKET RATE Supply of PVC Trunking 25X 16 mm	30.00	Meter			
116	CPWD DSR (E&M 2022) 1.21.2 Supply and Fixing of following size of Medium Class PVC Conduit along with accessories in Surface/recess including cutting wall and making good the same in case of recessed conduit as required					
	Medium class PVC Conduit 25 mm (White Colour)	40.00	Meter			
117	CHENNAI CORPORATION (2020-21) ED-773 Supply of LAN Network Switches Un-Managed 1/100/1000-24 Port	1.00	Each			
118	MARKET RATE Supply of Cat6 RJ45 Connector	100.00	Nos			
119	MARKET RATE Blank Plate Single 1M (1 Module)	30.00	Nos			
120	CHENNAI CORPORATION (2020-21)ED-797 Rack with Accessories - 4U Rack	1.00	Each			
121	CPWD DSR (E&M 2022)1020 Supply of Electronic Technician (For LAN Network Installation and End Termination of Network and Telephone Cables and commissioning)	3.00	Day			
	Power cable					
122	MARKET RATE Supply of 16 Sq.mm 4 core Armoured XLPE Aluminium Cable	35.00	Meter			
123	MARKET RATE Supply of 16 Sq.mm 4 core Armoured XLPE Aluminium Cable	35.00	Meter			
124	CHENNAI CORPORATION (2020-21)ED-218 Supply & Fixing of Brass Cable gland for 2X16 Sq.mm LT UG Armoured Cable with Earth Connection	2.00	Nos			
125	MARKET RATE PVC Junction Box 3 way 25mm size (Connection Box)	15.00	Each			
126	MARKET RATE Supply of Wooden Plug and Screws	500.00	Nos			
127	CPWD DSR (E&M 2022)1019 Supply of Electrician (For Power Cable laying and End Termination Work & Earthing)	2.00	Day			

Sl. No.	Detailed Specification & Works	Abstract Estimate				
		QTY	Unit	Rate (in Rs.)	Amount (in Rs.)	Amount (in Words.)
ELECTRICAL WORKS						
128	CPWD DSR (E&M 2022) 5.19 Providing and Fixing 4.00 mm dia Copper wire on Surface or in recess for loop Earthing along with Existing Surface /recessed conduit/sub main wiring/cables are required	10.00	Meter			
	Air Conditioners and Accessories					
129	CHENNAI CORPORATION (2020-21) ED-260 Supply & installation of Split type 2 TON Air conditioner (3 Star rating)	3.00	Nos			
Total Electrical Works Amount (B) Rs.						
Grand Total of Civil & Electrical Works Amount (A+B) Rs.						
(Rupees _____		Only)				

(to be signed on a stamp paper with minimum value of Rs.100)

Annexure - 3

INTEGRITY AGREEMENT

This Integrity Agreement is made at..... on this.....day of.....20.....

BETWEEN

Rajiv Gandhi Centre for Aquaculture,
RGCA,, (Hereinafter
referred as the
(Address of Division)

'Director RGCA, which expression shall unless repugnant to the meaning or context hereof include his successors and permitted assigns)

AND

(Name and Address of the Individual/firm/Company)

Through..... (Hereinafter referred to as the
(Details of duly authorized signatory) "Bidder/Contractor "and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Director RGCA has floated the Tender (NIT No.....) (hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for (Name of work) hereinafter referred to as the "Contract".

AND WHEREAS the Director RGCA values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "Integrity Pact" or "Pact"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Director RGCA

- (1) The Director RGCA commits itself to take all measures necessary to prevent corruption and to observe the following principles:

a) No employee of the RGCA, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

b) The Director RGCA will, during the Tender process, treat all Bidder(s) with equity and reason. The Director RGCA will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

c) The Director RGCA shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

2) If the Director RGCA obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Director RGCA will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Director RGCA all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

2. The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of RGCA's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process

c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or

documents provided by the Director RGCA as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/ representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Director RGCA interests.

5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Director RGCA under law or the Contract or its established policies and laid down procedures, the Director RGCA shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Director RGCA absolute right:

1.If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the

Director RGCA after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Director RGCA. Such exclusion may be forever or for a limited period as decided by the Director RGCA.

2. Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Director RGCA has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Director RGCA apart from exercising any legal rights that may have accrued to the Director RGCA, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

3. Criminal Liability: If the Director RGCA obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Director RGCA has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

1. The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anti-corruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Director RGCA.

3. If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption preventions

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors.

2. The Director RGCA will enter into Pacts on identical terms as this one with all Bidders and Contractors.

3. The Director RGCA will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/ Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/ Bidder 12 months after the completion of defect liability period and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, RGCA.

Article 7- Other Provisions

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Division of the Director RGCA, who has floated the Tender.

2. Changes and supplements need to be made in writing. Side agreements have not been made.

3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

4. Should one or several provisions of this Pact turn out to be invalid; the remainder of this P act remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Director RGCA in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

Article 8- LEGAL AND PRIOR RIGHTS.

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the place and date first above mentioned in the presence of following witnesses: (For and on behalf of Director RGCA)

(For and on behalf of Bidder/Contractor)

WITNESSES:

1.....

(Signature, name and address)

2.....

(Signature, name and address)

Place:

Dated:

(to be submitted in the letter head of the bank)

Performance Security (Guarantee)

Bank Guarantee Bond

In consideration of the Director, RGCA (hereinafter called "The Director") having offered to accept the terms and conditions of the proposed agreement between.....and (Hereinafter called "the said Contractor(s)") for the work..... (Hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs. (Rupees only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, (Hereinafter referred to as "the Bank") hereby undertake to pay to the Director RGCA an amount not exceeding Rs. (Rupees..... Only) on Demand by the Director.

2. We,(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the Director stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupeesonly).

3. We, the said bank further undertake to pay the Director any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We, (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Director under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till

Engineer-in- Charge on behalf of the Director certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. We, (Indicate the name of the Bank) further agree with the Director that the Director shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Director against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the Director or any indulgence by the Director to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

7. We, (Indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Director in writing.

8. This guarantee shall be valid up tounless extended on demand by the Director. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated theday offor.....(indicate the name of the Bank)

(To be submitted in the letter head of the company/firm)

Form-1

FORM OF PRE-QUALIFICATION

NAME OF THE WORK	REPAIR & MAINTENANCE WORKS OF RGCA AQUATIC QUARANTINE FACILITY (AQF) AT NEELANKARAI, CHENNAI, TAMIL NADU.
-------------------------	--

1	Name of the Organization/Firm/Tenderer	
2	Postal Address & Contact No.	
3	Address of Registered / Main Office	
4	Date of establishment	
5	Status of the Company/ Firm/Entity (enclose proof) - (Whether Public Ltd./ Private Ltd./ LLP / Partnership Proprietorship)	
6	Name of Director/Partners/Proprietor i) ii) iii)	
7	GST Registration Number (Enclose copy)	
8	Permanent Account Number (Enclose copy)	
9	Details of Contractor License from PWD/ CPWD/ MES/ ISRO a. License No b. Valid up to c. Issuing Authority :	
10	Financial resource of the Firm a. Paid up capital b. Working capital c. Average annual financial turn over for the last three years	

11	Whether any bank guarantee/security was invoked as a penalty measure in non-compliance of any assumed work in the last 5 years. If yes, furnish details.	
12	If you are registered in the panel of other Organizations, Statutory bodies, Banks etc., furnish their names, category and date of registration. (Copy to be enclosed)	i) ii)
13	What are your fields of activities? Mention the fields on preference basis.	i) ii)
14	Furnish the names of three client reference as well as past performance of your Organization.	i) ii) iii)
15	Have you had any Legal / Arbitration / proceedings instituted in connection with works carried out by you? If so furnished details.	
16	Furnish photographs of important Projects carried out, if available	
17	EPF establishment code	
18	ESI establishment number	
19	UTR Number and date towards proof for remittance of tender fee (if not applicable, specify as "Exempted" and submit supporting documents)	
20	UTR Number and date towards proof for remittance of EMD (if not applicable, specify as "Exempted" and submit supporting documents)	
21	Others (If any)	

Sl. No.	Name	Designation	Contact Number & Email Id
1.			
2.			
3.			

Encl.

1. Contract License from PWD/CPWD/MES/ISRO
2. Status of Company/Firm/Entity
3. GST Registration Certificate
4. Permanent Account Number
5. Audited financial statements (Last 3 years)
6. Income Tax Returns & Form 16 A/Form 26 AS (Last 3 years)
7. Proof of documents like Work Order, Completion Certificate etc.
8. Integrity Pact duly signed
9. Declaration about Site Inspection
10. Solvency or Liquidity Certificate
11. Net worth & turn over certificate

Acceptance Certificate

- i) I / We certify that the information given above is true to the best of knowledge. I / We also understand that if any of the information is found wrong, I / We am/are liable to be debarred.

Signature of applicant

Date:

(to be signed on a stamp paper with minimum value of Rs.20)

FORM - 2

INTEGRITY PACT

To
The Director
Rajiv Gandhi Centre for Aquaculture (RGCA)
3/197, Poompuhar Road, Karaimedu Village
Sattanathapuram Post, Sirkali Taluk
Mayiladuthurai District, Tamil Nadu
Pincode: 609109

Sub: Submission of Tender for the work of_____.

Dear Sir,

I/We acknowledge that Rajiv Gandhi Centre for Aquaculture (RGCA) is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document. I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by RGCA. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, RGCA shall have unqualified, absolute and unfettered right to disqualify the bidder/bidder and reject the tender/bid in accordance with terms and conditions of the tender/ bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

Form - 3

DECLARATION ABOUT SITE INSPECTION

To

The Director,

Rajiv Gandhi Centre for Aquaculture,

(MPEDA, Ministry of Commerce & Industry, Govt. of India),

3/197, Poompuhar Road, Karaimedu Village,

Sattanathapuram Post, Sirkali Taluk,

Mayiladuthurai District, Tamil Nadu.

Pincod: 609109. Ph: 04364 265200

Sub: RGCA Tender No. -----for the work "Repair & Maintenance Works at RGCA Aquatic Quarantine Facility (AQF), Neelankarai, Chennai, Tamil Nadu"

Dear Sir,

It is hereby declared that as per **1.5 Eligibility Criteria, Para 9, Page 9**, I / We the bidder inspected and examined the subject site and its surrounding and satisfy myself / ourselves as to the nature of the ground and sub-soil (so far as is practicable), the forms and nature of the site, the means of access to the site, the accommodation which may require and all necessary information as to risks, contingencies and other circumstances which may influence or affect our bid have been obtained. I / We the bidder shall have full knowledge of the site and no extra charge consequent upon any misunderstanding or otherwise shall be claimed in later date.

I / We bidder shall be responsible for arranging and maintaining at own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by me / us implies that I / We have read this notice and all other contract documents and has made myself /ourselves aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.

Yours faithfully

(Duly authorized signatory of the bidder)

Name:

Designation:

Stamp:

(to be submitted in the letter head of the company/firm)

Form - 4

BID SECURITY DECLARATION

(RGCA Tender No: -----)

I/we, _____, having office at _____ engage to supply the material(s) to RGCA project site and

- i) Accept that if I/we withdraw or modify my/our bids during the period of validity, or if I/we are awarded the contract and I/we fail to sign the contract, I/we will be suspended for a period of five years from being eligible to submit bids for any contracts with RGCA.
- ii) Comply with the tender schedule and technical specification indicated.
- iii) Comply with the item/tender specific conditions for this tender.
- iv) Accept the Terms and conditions including special conditions and general conditions printed in this tender.
- v) I/we understand that total quantity for the entire project is specified in the tender document, however multiple supply orders will be provided for the quantity to be delivered based on the progress of the work.
- vi) Confirm that set off for the ED, VAT, etc. Paid on the inputs have been taken into consideration in the above quoted price and further agree to pass on such additional duties as sets offs as may become available in future under VAT, etc.
- vii) Certify that I/we have not been debarred by any Government/Undertaking.
- viii) Certify that the rates quoted are not higher than the rates quoted for same item to any Government/ Undertaking.
- ix) Certify that the bid submitted by me/us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

Place:

Signature of Authorised Signatory

Date:

Name & Seal