



**WEST BENGAL STATE FOOD PROCESSING
&
HORTICULTURE DEVELOPMENT CORPORATION LIMITED
(A GOVT. OF WEST BENGAL ENTERPRISE)
BENFISH TOWER (6th Floor)
31 - GN Block, Sector - V.
KOLKATA - 700091**

No: 133/WBSFPHDCL/1770/2022-23

Date: 21.02.2023

NOTICE INVITING E-TENDER

1. Invitation:

Online tenders are hereby invited in **Two Bid System** from the reputed, experienced and bonafied agencies having sufficient credential and financial capabilities for the following nature of work:

Name of Work	Place of Work	Total Estimated Cost for Work	Earnest Money	Period of Completion of Work
1. Repair & Renovation of 3 (three) nos. Environmental Control Green Houses	Central Park under West Bengal State Council of Science & Technology	Rs. 1,00,94,697/- (Rupees One Crore Ninety Four Thousand Six Hundred and Ninety Seven only)	Rs. 2,02,000/- (Rupees Two Lakh Two Thousand only)	60 (Sixty) Days from the issue of Work Order
2. Construction of 2 (two) nos. open shade net house				
3. Cleaning Compound Premises				

2. Scope of Work:

- I. The WBSFPHDCL, hereinafter referred to as the Tender inviting Authority, seeks for execution of the Repair / Construction work, as specified in *Annexure - II*, from experienced bonafide agencies.
- II. The successful Bidder has to complete the entire Repair / Construction work within stipulated time without fail.

3. Date & Time Schedule:

Sl. No.	Particulars	Details of Tender
1	Tender No.	133/WBSFPHDCL/1770/2022-23 Dated 21.02.2023
2	Cost of Tender Document	Rs. 1000/- (Rupees One thousand only)
4	Date of uploading (Publishing) of N.I.T. and other Documents (Online)	21.02.2023
5	Documents download start date (Online)	21.02.2023
6	Bid Proposal Submission Start Date (Online)	21.02.2023
7	Pre-bid Meeting	28.02.2023 at 2.00 P. M.
8	Documents download end date (Online)	14.03.2023 up to 2.00 P. M.
9	Bid proposal Submission end date (Online)	14.03.2023 up to 2.00 P. M.
10	Date & Time of opening of technical bids (Online)	16.03.2023 at 2.00 P. M.
11	The tenderer should lodge objection to the tender inviting authority within two days (48 hours) from the date of publication of list of technically qualified bidders and beyond that time schedule no objection will be entertained by the authority	

4. Eligibility criteria for participation in the Tender:

i. The prospective Bidder must have valid Trade License / Certificate of Enlistment, PAN, GST Registration Certificate, IT return of any three consecutive years within last five financial years.

ii. The prospective Bidder should have **single credential for execution of new construction of poly house / shade net house / green house of an amount not less than Rs. 40,38,000/-** (Rupees Forty Lakh Thirty Eight Thousand only) at any State/Central Government Organizations of State/Central Govt. Undertakings or Statutory Bodies or Local Bodies or Parastatals within the last five financial years i.e. F.Y. 2018-19, 2019-20, 2020-21, 2021-22 & 2022-23 prior to the date of issue of the tender notice.

iii. The Bidder must have the copy of the Payment Certificate or Work Completion Certificate, as the case may be, issued under the signature of the Competent Authority. The said Certificate should contain the particulars of the work completed, period of work and the total value of work.

iv. The Bidder should have annual turnover of Rs. 1.5 Crore in any financial year within last five completed financial years i.e. 2017-18, 2018-19, 2019-20, 2020-21 and 2021-22. Turnover should be supported by Audited Balance Sheet & I. T. Return of the corresponding financial year.

5. Mandatory Documents Requirement:

A. For Technical Proposal

The technical proposal shall contain the signed and scanned copies of the following:

- a. Income Tax Return (For any three consecutive financial years within last five completed financial years i.e. 2017-18, 2018-19, 2019-20, 2020-21, 2021-22)
- b. PAN Card
- c. Latest P. Tax Paid Challan & P. Tax Enrolment Certificate
- d. Valid 15 Digit GSTN under GST Act 2017 & Registration Certificate
- e. Trade License valid as on submission of bid
- f. Technical Credentials
 - i. Completion certificate for the work in technical credentials
Or
 - ii. Payment certificate of the said work
- g. Partnership Deed in case of partnership firm
- h. Audited Balance Sheet (For any three consecutive financial years within last five completed financial years i.e. 2017-18, 2018-19, 2019-20, 2020-21, 2021-22).
- i. Declaration in the agency's letterhead as to correctness of the copies of all documents submitted including Undertaking to the effect that the agency has not been blacklisted / debarred by any Govt. / Non Govt. Concern.

The requisite documents are to be submitted in the respective folder of the E-Tender portal. Failure in submission of any of the above documents may render the Bidder liable to be rejected.

B. For Financial Proposal

The Financial proposal should contain

Bill of Quantity (BOQ): The Bidder is to quote the rate online (At Par / % below) in the space marked in the BOQ for "Repair & Renovation of 3 (three) nos. Environmental Control Green Houses, Construction of 2 (two) nos. open shade net house & Cleaning Compound Premises at Central Park under West Bengal State Council of Science & Technology."

The participant will be rejected in case it is uploaded in the folder of Technical Bid.

GENERAL TERMS AND CONDITIONS

1. Registration of Bidders

Any Bidder willing to take part in the process of e- Tendering will have to be enrolled and registered with the Government e-Procurement system/ Portal, <http://www.wbtenders.gov.in>. Each Bidder is to obtain a Digital Signature Certificate for submission of tenders from the approved Service Provider of the National Informatics Centre (NIC).

2. Collection of Bid Documents

The Bidder can search and download NIT and Tender Documents electronically from the Government e-Procurement system using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

3. Submission of Tender

Tenders are to be submitted online on the website <http://www.wbtenders.gov.in> in two folders at a time, one in Technical Proposal and the other in Financial Proposal, before the prescribed date and time, using the Digital Signature Certificate. The documents submitted by the Bidder should be properly indexed and self-attested with seal.

4. Earnest Money

i. Online Deposition of Tender fees and Earnest Money

Tender fees and Earnest Money is to be deposited in favour of the WEST BENGAL STATE FOOD PROCESSING & HORTICULTURE DEVELOPMENT CORPORATION LIMITED through ICICI Bank Payment Gateway failing which the tender will be treated as informal. The Bidders desirous of taking part in the tender have to deposit Tender fees @ Rs. 1,000/- (Rupees One Thousand only) and Earnest Money @ Rs. 2,02,000/- (Rupees Two lakh two thousand only).

For deposition of Earnest Money (at the prescribed rate), the Bidders can refer to the user manual available in "Bidders Manual Kit (Point 10)". Payment should not be made in Corporation's Account directly. It should be deposited through options available on the tendering portal only.

ii. Refund of Earnest Money deposit:

The Earnest Money of all unsuccessful Bidders will be refunded by the WBSFPDCL within 15 days from the date of finalization of tender. In case of successful Bidder, the Earnest Money deposit will be released after 30 days counted from the date of completion of work. No interest on Earnest Money will be paid by the Corporation.

iii. Forfeiture of Earnest Money deposit:

Earnest Money deposit is liable for forfeiture in the event of:

- a. Withdrawal of offers, while offers are under consideration during the validity period
- b. Non acceptance of work order
- c. Any unilateral revision made by the Bidder during the valid period of the offer
- d. Failure to execute work of the entire order or part thereof.

iv. Exemption of any kind for any of the eligible bidder towards cost of EMD will be according to

1. 4245-F(Y) dated 28th May'2013 issued by Finance Department, Audit Branch, Govt. of West Bengal.
2. 6718-F(Y) dated 08.09.2015 issued by Finance Department, Audit Branch, Govt. of West Bengal.

5. Clarification of Bidding Document:

If there be any discrepancy or obscurity in the meaning of any clause of the bid document or if there be any query of the intending bidder, the bidder shall set forth in writing such discrepancies, doubt, obscurity or queries and submit the same to the Corporation marked to the 'MD, WBSFP&HDCL'. The queries may be sent by email to wbsfpdcl1@gmail.com. The clarification given in response to the queries shall be final and binding on the bidder.

6. Amendment of Bidding Document:

At any time, prior to the deadline for submission of bids, WBSFP&HDCL may, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by issuing amendments. Any such amendment shall form the part of the bidding document. Such amendments and clarifications will be published on the same website.

Prospective bidders are requested to visit the mentioned websites on a regular basis to keep abreast of any news. WBSFP&HDCL will bear no responsibility or liability for bidders failing to do so.

In order to afford the prospective bidders reasonable time in which to take the amendment into account in preparing their bids, WBSFP&HDCL may extend the deadline for submission of bids. Such amendments, clarifications etc. shall be binding on the bidders and will be given due consideration by the bidders while they submit their bids and invariably enclose such documents as a part of the bid.

7. Responsive Bidders:

Prospective applicants are advised to note carefully the minimum qualification criteria before tendering the bids. Conditional / incomplete tender will not be accepted under any circumstances. Bidders fulfilling all conditions and criteria set forth and qualifying in the

Technical Bid as well as making submission of Financial Bid in stipulated manner shall be considered responsive.

8. Quoting the Rates in BOQ:

- i. The intending Bidders are required to quote the rate online. No offline Tender will be entertained.
- ii. The Bidder is to quote the rate online in the space marked in the BOQ. Assessment of the successful bidder will be done on the offered rate.
- iii. All Tender prices quoted in the BOQ shall be inclusive of all kind of Taxes, Cess, charges including transportation, loading and unloading of materials up to the Destination, and installation thereof.
- iv. The price should be firm, final and irrevocable and not subject to any change whatsoever even due to increase in cost of materials, other components, labour cost etc. and any changes or imposition of statutory levies till the completion of work as per order.

9. Rate Validity:

The rate shall remain effective ordinarily up to 6 (six) months from the date of acceptance of Tender which may be extended further with mutual consent between the Bidder and WBSFPHDCL, unless terminated prematurely at its discretion and satisfaction.

10. Evaluation of Tenders for Qualifying in Technical Bid:

- i. All Bids will be evaluated and compared on the basis of the submitted documents. The Tender Inviting and Accepting Authority will determine the eligibility of each bidder through a Tender Committee. The bidders shall have to satisfy all the clauses specified in eligibility criteria, evaluation committee reserves the right to relax the evaluation criteria.
- ii. Technical proposal will be opened first by the Authorized representative of the WBSFPHDCL electronically using Digital Signature Certificate.
- iii. The Bidders may remain present at the office of WBSFPHDCL during opening of Technical Proposals, if they so desire.
- iv. Technical Proposals complete in all respect will only be accepted and qualify for next stage of evaluation.

11. Evaluation of Tender for Qualifying in Financial Bid:

- i. Financial proposals of only those Bidders declared technically eligible by the Tender Inviting Authority will be opened electronically on the web portal on the prescribed date.
- ii. The encrypted copies will be decrypted and the rates will be downloaded and read out to the Bidders remaining present at that time and to be handed over to the Tender Committee.

- iii. Pursuant to the scrutiny and decision of the Tender Committee, the summary list of eligible Bidders whose Financial Proposals will be considered will be uploaded in the web portal.
- iv. Lowest quoted rate shall normally be accepted. However, the Tender Inviting Authority reserves the right to accepting a bid other than the lowest on a specific ground to be recorded in writing.
- v. The Tender Inviting Authority does not bind itself to accept any or all bids and reserves the right to reject any or all bids without assigning any reason whatsoever.

10. Issue of Work Order:

Normally, the work order will be issued to the L1 Bidder for execution of the indented work. However, the Tender Inviting Authority reserves the right to accepting a bid other than the lowest on a specific ground to be recorded in writing.

11. Completion Period of Work:

The successful bidders shall undertake the commencement of work on next day of date of placing the work order and complete the same within 60 (sixty) days from the date of issue of work order.

12. Adherence to the Prescribed Specifications:

No deviation from the specifications prescribed by the Corporation will be accepted by the Authority. The entire work will be accomplished under the technical guidance of the entrusted Engineer of the Corporation.

13. Right to Accept Any Bid and / or to Reject Any or All Bids:

The Corporation reserves the right to accept or reject any or all bids and to annul the tendering process and all bids prior to issue work order, without thereby, incurring any liability to the affected Bidder or Bidders or any liability to inform the Bidder of the ground for such action.

14. Delay in work:

It is emphasized by the Corporation and understood by the contractor that the period of work, stipulated in the work order is the essence of the work. It is admitted by the contractor that any delay in execution may obviate the necessity of work and there by affect the interest of the Corporation. If the reason of delay is beyond the control of the Bidder, then it should be communicated to the Corporation in writing for its necessary intervention.

15. Grounds for Disqualification:

- i. During scrutiny or at any stage of bidding process or even after issuance of work order, if it comes to the notice of the Tender Inviting Authority that the Bidder has wilfully

made any misleading or false representation in the documents/statements and attachments submitted as the proof of the qualification requirements.

- ii. If the Bidder fails to complete the work within the period stipulated in the work order due to his own fault/inconvenience, then in both the cases, the Corporation shall reserve the right to forfeit the Earnest Money deposited by the Bidder and also debar him from participation in the Tender process of the Corporation for the Next 3 (Three) consecutive years.

16. Disputes:

- i. In the event of any question/dispute or difference arising between WBSFP&HDCL and Agency on any matter covered by these Terms & Conditions or arising directly or indirectly there from or connected with these Terms & Conditions in any manner, the matter shall be sorted out between the Managing Director, WBSFP&HDCL and the operator and in the case of non-resolution of dispute the matter shall be referred to the ACS/Pr. Secretary/Secretary of the Department of Food Processing Industries and Horticulture. When at this level the dispute is not resolved, the dispute would be referred to a sole Arbitrator appointed jointly by the two parties and his award shall be final.
- ii. The High Court of Kolkata alone shall have jurisdiction to adjudicate thereon.
- iii. The place of Arbitration will be Kolkata and the language shall be English.
- iv. The award of the Arbitrator shall be binding on both the parties.

17. Negotiations:

It is clarified that normally no rate negotiation will be done and therefore the Bidders should quote their lowest prices only, however, the Corporation may negotiate the rates with the L1 Bidder in exigencies, if required to do so.

18. Payment of Bill:

The Selected Bidder shall receive payments on back to back basis i.e., WBSFP&HDCL will pay to the agency only after receiving of payments from concerned Government Departments/ Authority along with satisfactory completion report. The Corporation will not take any responsibility for payment until it has received payment from the concerned Govt. Departments/ Authority. No interest can be claimed by the Agency for any delay of receiving payment from Indenting Authority.


**MANAGING DIRECTOR
WBSFP&HDCL**

Annexure - I
Application for Participation in Technical Bid

To,
The Managing Director
WBSFP&HDCL
Benfish Tower (6th floor)
31, G.N, Salt Lake, Sec V
Kolkata- 700091

Sub: Repair & Renovation of 3 (three) nos. Environmental Control Green Houses, Construction of 2 (two) nos. open shade net house & Cleaning Compound Premises at Central Park under West Bengal State Council of Science & Technology

Ref. No. 133/WBSFP&HDCL/1770/2022-23 Dated: 21.02.2023

Sir,
Having examined the terms & conditions of the above NIT, I do hereby submit the following information and relevant documents for furtherance of my proposal for participation in the tender

Eligibility Particulars

Sl. No.	Particulars	Details thereof
1	Name of the Bidder	
2	a) Full Office address	
	b) E-Mail I.D.	
	c) Mobile No.	
3	Name of the contact person with Mobile Number	
4	Documents to be submitted by the Bidder	Whether submitted (Yes / No)
	a. NIT documents including corrigendum, if any	
	b. E.M.D.	
	c. Payment certificate/ work completion certificate	
	d. GST Registration Certificate	
	e. PAN Card	
	f. Trade License/ Certificate of Enlistment valid as on submission of bid	
	g. Income Tax Return for any three consecutive years within last five completed financial years	
	h. Latest P. Tax Paid Challan & P. Tax Enrolment Certificate	

	i. Audited Balance Sheet (For any three consecutive years within last five completed financial Yrs.)	
	j. Partnership Deed in case of partnership firm	
5	Any other points considered to furnish	

UNDERTAKING

- i. I undertake that all of the above information and documents furnished against the prescribed columns are true to the best of my knowledge and belief.
- ii. I have also gone through all the terms & conditions meticulously and I undertake to comply with same sacrosanctly.
- iii. The Earnest Money and all other documents required for qualifying the technical bid have been submitted online.
- iv. The rate quoted by me will be valid and binding upon me for the entire period as stipulated in the NIT.
- v. If I fail to complete the work within the period stipulated in the work order due to my own fault/ inconvenience, the Corporation shall reserve the right to forfeit the Earnest Money deposited by me in this regard and also debar me from participation in the Tender process of the Corporation for the following 3(three) consecutive years.
- vi. I shall maintain the specifications of the materials as per NIT and shall replace the sub-standard materials at my own cost.
- vii. I undertake that I have not been debarred/ delisted by any State/Central Government Organization or State/Central Govt. Undertakings or Statutory Bodies or Local Bodies or Parastatals during the last three consecutive years up to the last date of submission of Tender.

Date:

Signature of the Applicant

Place:

ANNEXURE - II



WEST BENGAL COMPREHENSIVE AREA DEVELOPMENT CORPORATION

(Under Panchayats and Rural Development Department, Government of West Bengal)

Mrityika Bhavan, Plot no-18/9, Block-DD, Sector-I, Kolkata-700064

Phone: 03322377041/43/ FAX-033-22377473, email-hq.wbcadc@gmail.com

www.wbcadc.com | @Wbcadc | @Thecadcg



Abstract of Cost

Sl No.	Name of the work	Size(sq.mtr.)	Estimated Amount	Remarks
01	Repairing and Renovation of Environmental Control Green houses (Shed No.-1, size- 9m X 30m) at Central Park	270 sq.mtr.	Rs. 29,93,180.00	
02	Repairing and Renovation of Environmental Control Green houses (Shed No.-2, size- 18m X 30m) at Central Park	540 sq.mtr.	Rs. 49,86,985.00	
03	Repairing and Renovation of Manual operated Green houses (Shed No.-3, size- 18m X 30m) at Central Park	540 sq.mtr.	Rs. 15,97,637.00	
Total Cost =			Rs. 95,77,802.00	

Total Estimated Amount = Rupees Ninety five lakh Seventy seven thousand Eight hundred two only.

Recommended for vetting

Vetted

[Signature]

Gokul Mondal, PhD
Professor
Dept. of Construction Engg.
Jadavpur University, Kolkata-108

Arinmesh Banerjee
28/10/2012

[Signature]
J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)
ENGG. CELL

T. O. (E) & In-charge
Engrg. Cell
W.B.C.A.D.C. (H.Q.)

Estimate of Repairing & Renovation of Enviromental Control Green House (Shed No.-1, Size- 9m X 30m) at Central Park

Sl no	Description of work	Specification	Quantity	Units	Rate	Total
1	Fitting & fixing of Poly Carbonate Sheet 10 mm Thick	Aluminum Tee, Pati, Rubber, Silicon, Screw & Fitting Fixing	640	m ²	2203.00	1409920
2	Installation of Digital controller with sensory devices	The necessary digital controller with sensory device & accessories of standard quality should be provided to operate the fan & pad system to control temperature & humidity inside the Greenhouse.	1	No.	135000.00	135000
3	Fitting & fixing of Aluminum frame. Cooling pad complete with all necessary framing material (aluminum)	1500 mm X 600 mm X 100 mm with frame Top & Bottom	13.5	meter	8800.00	118800
4	Fitting & fixing of Cellulose pad for cooling	Cellulose pad of thickness 4" thick, height: 5'	15	Nos.	3990.00	59850
5	Fitting & fixing of Wall Mounting - High Capacity Exhaust Fan	Size : 50" Dia. Fan Blades : 6 stainless steel Motor H.P. : 1.5 hp, with v-belt drive 3 phase R.P.M. : 1400 RPM, 415 V AC. 50 hz Shutter : Galvanized shutter Opens with air pressure Doesn't require any centrifugal clutch system Fan : Duly housed in Galvanized Frame	2	Nos.	55480.00	110960
6	Fitting & fixing of Aluminum Channel	0.8mm (FLAT NEW) 130Gm/Mts.	80	meter	67.00	5360
7	Fitting & fixing of Zig-Zag Lock Spring	PVC Coated 2.5mm	150	meter	14.00	2100
8	Fitting & fixing of Self Drilling screw	3/4"	200	Nos.	1.50	300

9	Fitting & fixing of Purlin Tana	50mm x 25mm x 2.6mm thick GI Square Pipe & length 3.3 mtr (@ 2.73 kg per meter)	400	meter	410.00	164000
10	Fitting & fixing of M.S. Square Pipe for Bed Repairing	38mm X 38mm X 2mm	100	meter	365.00	36500
11	Fitting & fixing of Shade Net (ceiling) with arrangement (Ring, pulley, rope, wire etc)	UV Stabilized Shade Net 50% shading net with manual collapsible mechanism shall be provided below gutter level. 6 no yellow adhesive strips for insect trap shall also be provided.	342	m2	60.00	20520
12	Fitting & fixing of Insect Net	40 Mesh, GSM 100	22.5	m2	78.00	1755
13	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992	(i) Single Socketed 3 Meter Length- (b) 110 mm	18	meter	292.00	5256
14	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineerin-charge. (Payment will be made on centre line measurement of the total pipeline including specials.	(A) Above ground (i) 110 mm dia.	18	meter	57.00	1026
14	Fitting & fixing of Motka & Gutter Sheet	Poly carbonate drainage sheet, virgin, UV stabilized 1.4mm thick & 600mm wide.	110	meter	373.00	41030
15	Installation of PVC water tank for cooling pad system	1000 liter capacity-Multilayer	1	No.	5128.00	5128
16	Installation of PVC water tank for Irrigation system	2000 liter capacity-Multilayer	1	No.	10434.00	10434

17	Installation of Irrigation System	It consist of 4 way Anti Leak Foggers & Sprinkler 28 lph, over head at spacing 2.5m x 2.5m, PVC main & sub main pipes of 63mm, 6kg/cm ² , 16mm LLDPE laterals, connected to Common Plastic screen Filter 15 m ³ , fittings and Accessories.	270	m ²	125.00	33750
18	Installation of Circular pump with accessories for cooling pad	Centrifugal Mono-set Pump-set with 1.5 Kw (2HP) Single Phase AC motor IS:9079	1	No.	18710.00	18710
19	Priming on steel or other metal surface.	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothing surfaces by sand papering etc.	460	m ²	29.00	13340
20	Painting with superior quality aluminium paint on Steel or other metal surface.	Painting with superior quality aluminium paint of approved make and brand including smoothing surface by sand papering etc. on steel surface by Two coats.	460	m ²	57.00	26220
21	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and making out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]	With 1:4 cement mortar (a) 15 mm thick plaster	420	m ²	167.00	70140
22	Dismantling artificial stone flooring.	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m.	280	m ²	50.00	14000

23	Stripping off worn out plaster	Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	420	m2	19.00	7980	
24	Brick work	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	60	m2	736.00	44160	
25	Taking out carefully G.C.I. or C.I. or asbestos or Roof sheets.	N.A.	270	m2	41.00	11070	
						Total(Rs.)	23,67,309
						Add Electrical wiring inside the Green house @ 3% on Rs. 23,67,309(Rs.)	71,019
						Total including Electrification(Rs.)	24,38,328
						Add 18% GST on Rs 24,38,328.00(Rs.)	4,38,899
						Total including GST(Rs.)	28,77,227
						Add L.C 1% on Rs 28,77,227.00(Rs.)	28,772
						Total including L.C. (Rs.)	29,06,000
						Add Contingency 3% on Rs 29,06,000.00(Rs.)	87,180
						Grand Total (Rs.)	29,93,180

Total Estimated Amount = (Rupees Twenty nine lakh ninety three thousand one hundred eighty only)

Estimate prepared & may be vetted by

J.T.O.
28/10/2022

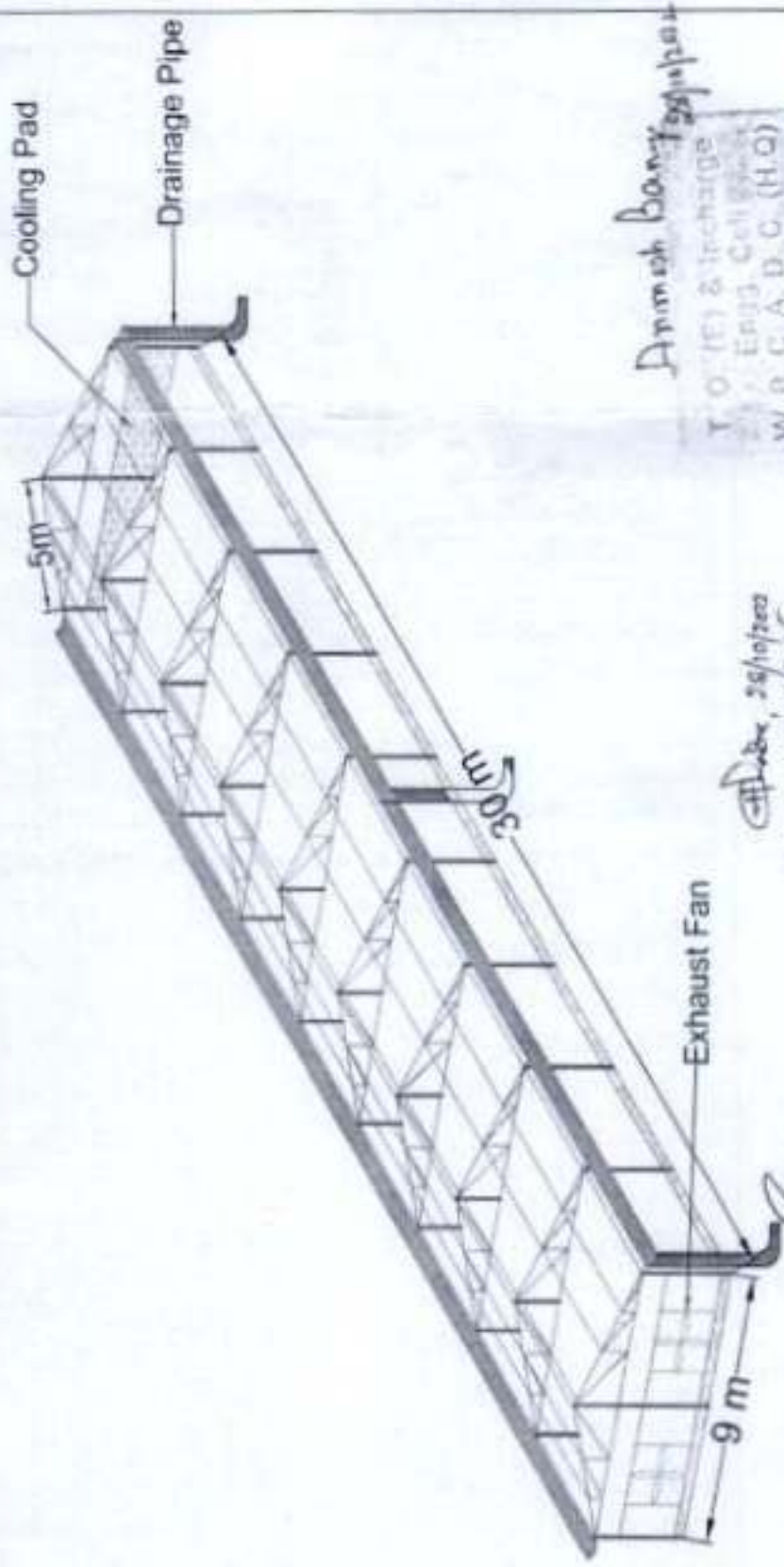
**J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)
ENGG. CELL**

Arjun Bahar
28/10/2022

J.T.O.
Vetted

T. O. (E) & Incharge
Engr Cell
W. B. C. A. D. C. (H. Q.)

Repairing & Renovation of Environment Control Green House (No - 1)



1-42
-28-

Animesh Banerjee

T. O. (E) & In-charge
ENGG. Cell
W.B.C.A.D.C. (H.Q.)

29/10/2022

J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)
ENGG. GELL

Verified

Estimate of Repairing & Renovation of Enviromental Control Green House (Shed No.-2, Size- 18m X 30m) at Central Park

Sl no	Description of work	Specification	Quantity	Units	Rate	Total
1	Fitting & fixing of Poly Carbonate Sheet 10 mm Thick	Aluminum Tee, Pati, Rubber, Silicon, Screw & Fitting Fixing	900	m2	2203.00	1982700
2	Installation of Digital controller with sensory devices	The necessary digital controller with sensory device & accessories of standard quality should be provided to operate the fan & pad system to control temperature & humidity inside the Greenhouse.	1	No.	135000.00	135000
3	Fitting & fixing of Aluminum frame. Cooling pad complete with all necessary framing material (aluminum)	1500 mm X 600 mm X 100 mm with frame Top & Bottom	30	meter	8800.00	264000
4	Fitting & fixing of Cellulose pad for cooling	Cellulose pad of thickness 4" thick, height: 5'	50	Nos.	3990.00	199500
5	Fitting & fixing of Wall Mounting - High Capacity Exhaust Fan	Size : 50" Dia. Fan Blades : 6 stainless steel Motor H.P. : 1.5 hp, with v-belt drive 3 phase R.P.M. : 1400 RPM, 415 V AC. 50 hz Shutter : Galvanized shutter Opens with air pressure Doesn't require any centrifugal clutch system Fan : Duly housed in Galvanized Frame	4	Nos.	55480.00	221920
	Fitting & fixing of Aluminum Channel	0.8mm (FLAT NEW) 130Gm/Mts.	100	meter	67.00	6700
	Fitting & fixing of Zig-Zag Lock Spring	PVC Coated 2.5mm	150	meter	14.00	2100
	Fitting & fixing of Self Drilling screw	3/4"	500	Nos.	1.50	750

9	Fitting & fixing of Purlin Tana	50mm x 25mm x 2.6mm thick GI Square Pipe & length 3.3 mtr (@ 2.73 kg per meter)	650	meter	410.00	266500
10	Fitting & fixing of M.S. Square Pipe for Bed Repairing	38mm X 38mm X 2mm	160	meter	365.00	58400
11	Fitting & fixing of Shade Net (ceiling) with arrangement (Ring, pulley, rope, wire etc)	UV Stabilized Shade Net 50% shading net with manual collapsible mechanism shall be provided below gutter level. 6 no yellow adhesive strips for insect trap shall also be provided.	700	m2	60.00	42000
12	Fitting & fixing of Insect Net	40 Mesh, GSM 100	45	m2	78.00	3510
13	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992	(i) Single Socketed 3 Meter Length- (b) 110 mm	30	meter	292.00	8760
14	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer-in-charge. (Payment will be made on centre line measurement of the total pipeline including specials.	(A) Above ground (i) 110 mm dia.	30	meter	57.00	1710
15	Fitting & fixing of Motka & Gutter Sheet	Poly carbonate drainage sheet, virgin, UV stabilized 1.4mm thick & 600mm wide.	190	meter	373.00	70870
16	Installation of PVC water tank for cooling pad system	1000 liter capacity-Multilayer	1	No.	5128.00	5128
17	Installation of PVC water tank for Irrigation system	2000 liter capacity-Multilayer	1	No.	10434.00	10434

18	Installation of Irrigation System	It consist of 4 way Anti Leak Foggers & Sprinkler 28 lph, over head at spacing 2.5m x 2.5m, PVC main & sub main pipes of 63mm, 6kg/cm ² , 16mm LLDPE laterals, connected to Common Plastic screen Filter 15 m ³ , fittings and Accessories.	540	m ²	125.00	67500
19	Installation of Circular pump with accessories for cooling pad	Centrifugal Mono-set Pump-set with 1.5 Kw (2HP) Single Phase AC motor IS:9079	1	No.	18710.00	18710
20	Fitting & fixing of GI Angle	40 mm X 40 mm X 5 mm	450	meter	112.00	50400
21	Fitting & fixing of GI Flat	40 mm X 5 mm	150	meter	18.00	2700
22	Fitting & fixing of GI Pipe	33 mm OD X 2 mm	360	meter	245.00	88200
23	Fitting & fixing of Aluminum Net	Aluminum Alloy Wire Wide :1.2 mtr.(18 X 24)	192	m ²	650.00	124800
24	Priming on steel or other metal surface.	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	800	m ²	29.00	23200
25	Painting with superior quality aluminium paint on Steel or other metal surface.	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface by Two coats.	800	m ²	57.00	45600
26	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]	With 1:4 cement mortar (a) 15 mm thick plaster	750	m ²	167.00	125250

27	Dismantling artificial stone flooring.	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m.	550	m2	50.00	27500
28	Stripping off worn out plaster	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	750	m2	19.00	14250
29	Brick work	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	70	m2	736.00	51520
30	Taking out carefully G.C.I. or C.I. or asbestos or Roof sheets.	N.A.	600	m2	41.00	24600
Total(Rs.)						39,44,212
Add Electrical wiring inside the Green house @ 3% on Rs. 39,44,212(Rs.)						1,18,326
Total including Electrification(Rs.)						40,62,538
Add 18% GST on Rs 40,62,538.00(Rs.)						7,31,257
Total including GST(Rs.)						47,93,795
Add L.C 1% on Rs 47,93,795.00(Rs.)						47,938
Total including L.C. (Rs.)						48,41,733
Add Contingency 3% on Rs 48,41,733.00(Rs.)						1,45,252
Grand Total (Rs.)						49,86,985

Total Estimated Amount = (Rupees Forty nine lakh eighty six thousand nine hundred eighty five only)

Estimate prepared & may be vetted by

J.T.O.
2/10/2022

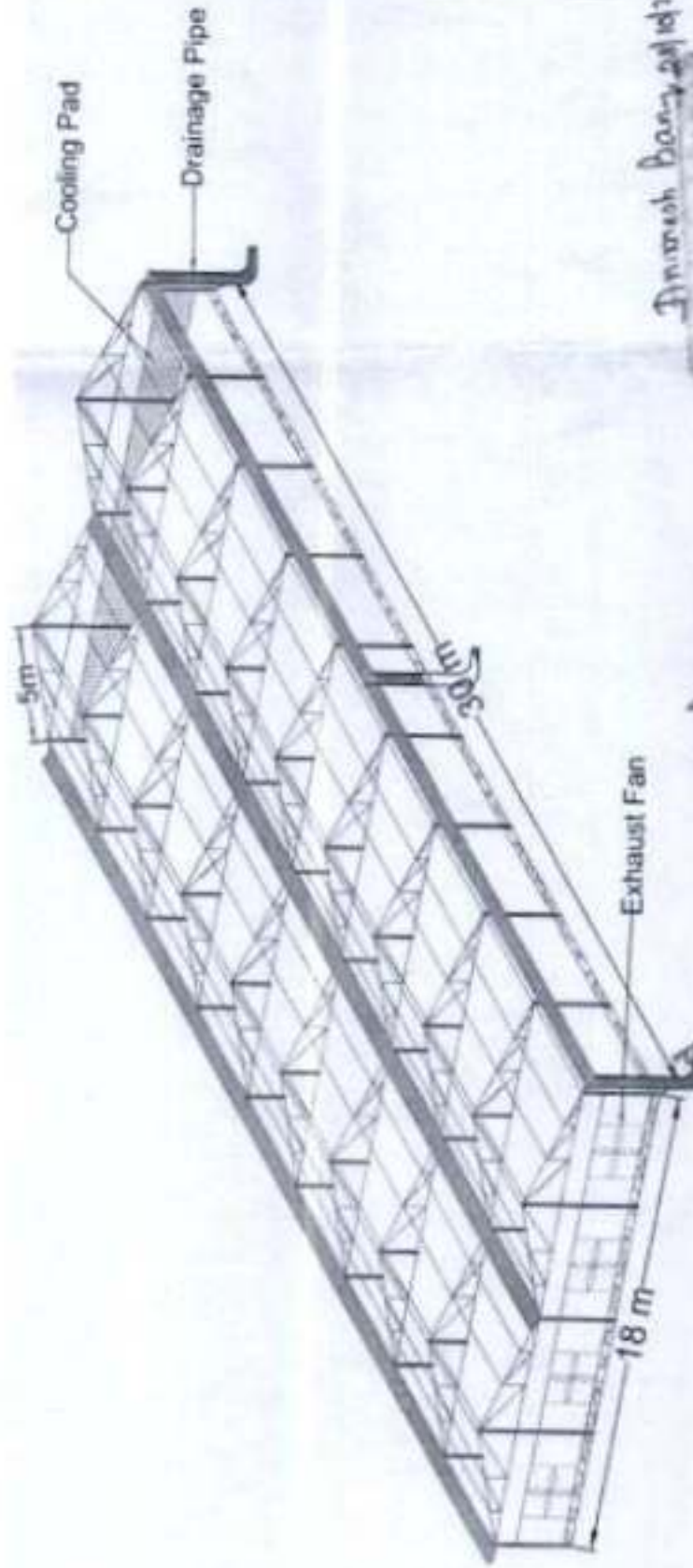
**J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)
ENGG. CELL:**

Vetted
[Signature]

An. man. by
22/10/2022

**T. O. (E) & Incharge
Engg. Cell
W B C A D C (H Q)**

Repairing & Renovation of Environment Control Green House (No - 2)



4.2
-2.8-

Dr. J. T. O. (ENGG.)

J. T. O. (ENGG.)
W. B. C. A. D. C. (H. Q.)
ENGG. CELL

J. T. O. (ENGG.)
W. B. C. A. D. C. (H. Q.)
ENGG. CELL

Dr. J. T. O. (ENGG.)

Estimate of Repairing & Renovation of Manual Operated Green House (Shed No.-3, Size- 18m X 30m) at Central Park

Sl no	Description of work	Specification	Quantity	Units	Rate	Total
1	Fitting & fixing of Aluminum Channel	0.8mm (FLAT NEW) 130Gm/Mts.	400	meter	67.00	26800
2	Fitting & fixing of Zig-Zag Lock Spring	PVC Coated 2.5mm	600	meter	14.00	8400
3	Fitting & fixing of Self Drilling screw	3/4"	1000	No.	1.50	1500
4	Fitting & fixing of M.S. Square Pipe for Bed Repairing	38mm X 38mm X 2mm	100	meter	365.00	36500
5	Fitting & fixing of Shade Net (ceiling) with arrangement (Ring, pulley, rope, wire etc)	UV Stabilized Shade Net 50% shading net with manual collapsible mechanism shall be provided below gutter level. 6 no yellow adhesive strips for insect trap shall also be provided.	1010	m ²	60.00	60600
6	Fitting & fixing of Fiber wire	4mm thickness	5	kg	500.00	2500
7	Fitting & fixing of Motka & Gutter Sheet	Poly carbonate drainage sheet, virgin, UV stabilized 1.4mm thick & 600mm wide.	32	meter	373.00	11936
8	Installation of PVC water tank for Irrigation system	2000 liter capacity-Multilayer	1	No.	10434.00	10434
9	Installation of Sprinkler irrigation system	It consist of Sprinkler 28 lph, over head at spacing 3m x 3m, PVC main & sub main pipes of 63mm, 6kg/cm ² , 16mm LLDPE laterals, connected to Common Plastic screen Filter 15 m ³ , fittings and Accessories.	540	m ²	85.00	45900

0	Installation of Circular pump with accessories for cooling pad	Centrifugal Mono-set Pump-set with 1.5 Kw (2HP) Single Phase AC motor IS:9079	1	No.	18710.00	18710
11	Fitting & fixing of GI Angle	40 mm X 40 mm X 5 mm	1250	meter	112.00	140000
12	Fitting & fixing of GI Flat	40 mm X 5 mm	500	meter	18.00	9000
13	Fitting & fixing of Aluminum Net	Aluminum Alloy Wire Wide :1.2 mtr.(18 X 24)	720	m2	650.00	468000
14	Priming on steel or other metal surface.	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	900	m2	29.00	26100
15	Painting with superior quality aluminium paint on Steel or other metal surface.	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface by Two coats.	900	m2	57.00	51300
16	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]	With 1:4 cement mortar (a) 15 mm thick plaster	1450	m2	167.00	242150
17	Dismantling artificial stone flooring.	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m.	600	m2	50.00	30000

18	Stripping off worn out plaster	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	1450	m2	19.00	27550	
19	Brick work	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	100	m2	736.00	73600	
20	Labour for Chipping of concrete surface before taking up Plastering work.	N.A.	500	m2	21.00	10500	
						Total(Rs.)	13,01,480
						Add 18% GST on Rs 13,01,480.00(Rs.)	2,34,266
						Total including GST(Rs.)	15,35,746
						Add L.C 1% on Rs 15,35,746.00(Rs.)	15,357
						Total including L.C. (Rs.)	15,51,104
						Add Contingency 3% on Rs 15,51,104.00(Rs.)	46,533
						Grand Total (Rs.)	15,97,637

Total Estimated Amount = (Rupees Fifteen lakh ninety seven thousand six hundred thirty seven only)

Estimate prepared & may be vetted by

J. T. O.
28/10/2022

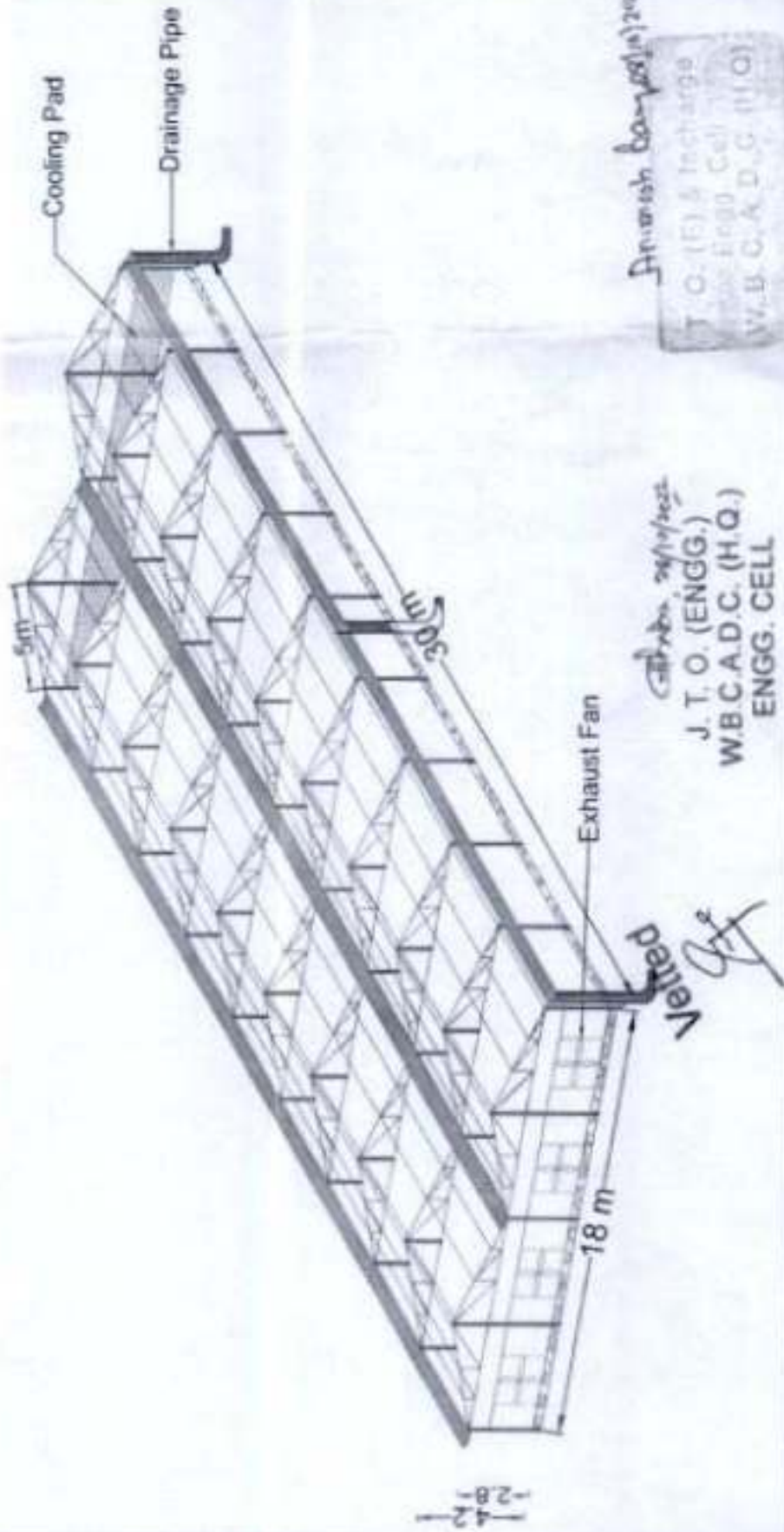
J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)
ENGG. CELL

Vetted

[Signature]

Approved By
28/10/2022
J. T. O. (E) & In-charge
Engr. Cell
W. B. C. A. D. C. (H. Q.)

Repairing & Renovation of Environment Control Green House (No - 3)



Amrisha Banerjee 29/10/2022
T. O. (E) & Incharge
W.B.C.A.D.C. (H.Q.)
ENGG. CELL

Amrisha Banerjee 29/10/2022
J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)
ENGG. CELL

Amrisha Banerjee
Vented

**WEST BENGAL COMPREHENSIVE AREA DEVELOPMENT CORPORATION**

(Under Panchayats and Rural Development Department, Government of West Bengal)

Mrittika Bhawan, Plot no-18/9, Block-DD, Sector-1, Kolkata-700064

Phone: 03322377041/43/ FAX-033-22377473, email-hq.wbcadc@gmail.com

www.wbcadc.com @hqwbcadc @Thecadhq

**Abstract of Cost**

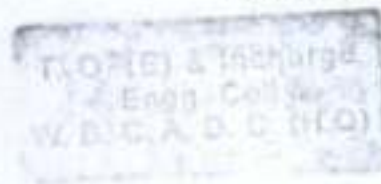
Sl No.	Name of the work	Qunty.	Estimated Amount	Remarks
01	Estimate for Construction of Open Shed Net House (area 168 sq. meter) at Central Park under West Bengal State Council of Science & Technology.	01 unit	Rs. 2,61,693.00	
02	Estimate for Construction of Open Shed Net House (area 120 sq. meter) at Central Park under West Bengal State Council of Science & Technology.	01 unit	Rs. 2,08,922.00	
03	Cleaning Compound premises of shrubs, plants, jungles, Uprooting and Removing Stumps, Roots & Hard Pruning of various trees at entire premises of West Bengal State Council of Science & Technology at Central Park, Salt-lake.	01 unit	Rs. 46,280.00	
Total Cost =			Rs. 5,16,895.00	

Total Estimated Amount = Rupees Five lakh Sixteen thousand eight hundred ninety five only.

Prepared & may be
vetted by
J.T.O., 06/01/2023

J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)
ENGG. CELL

Recommended for Vetting
Animesh Banerjee
06/01/2023



Vetted

Gokul Mondal, PhD
Professor
Dept. of Construction Engg
Jadavpur University, Kolkata-108

Estimate for Construction of Open Shed Net House (area 168 sq. meter) at Central Park under West Bengal State Council of Science & Technology

Sl No	Items	Specification	Quantity	Unit	Rate(Rs.)	Amount(Rs.)
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.	N.A.	11	m3	119.27	1311.97
2	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	N.A.	9	m2	361	3249
3	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, listels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (a) 25 mm to 30 mm shuttering without staging in foundation	N.A.	39	m2	209	8151

Vetted

Gokul Mondal
Gokul Mondal, PhD
 Professor
 Dept. of Construction Engg
 Jadavpur University, Kolkata-105

Chh...
 06/01/2023

4	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. A) [Pakar variety]	N.A.	6	m ³	5488.9	32933.4
5	Supply, fitting & fixing of G.I. Pipe (section- 48mm OD, 2mm thick)	As per IS 3601:2014	60	Meter	441	26460
6	Supply, fitting & fixing of G.I. Pipe (section- 42mm OD, 2mm thick)	As per IS 3601:2014	193.4	Meter	386	74652.4
7	Supply, fitting & fixing of G.I. Pipe (section- 33mm OD, 2mm thick)	As per IS 3601:2014	45	Meter	294	13230
8	Supply, fitting & fixing of GI channel	0.8 mm (FLAT-NEW) 275Gm/Mtrs	200	Mtr.	36	7200
9	Supply, Fitting & fixing of Zig Zag Spring Insert	High carbon steel wire for repeated action, 2.3mm dia.	400	Meter	14	5600
10	Supply, Fitting & fixing of Self Trapping screw	20mm length	600	No.	1.5	900
11	Supply, Fitting & fixing of Agro shed net of 50% shading intensity	Green in colour & as per IS 16008:2012	280	Sq.M	36	10080
12	Supply, fitting & fixing of double leaf (make-plastic/FRP sheet) door mounted in suitable strong frame.	Two hinge doors of size 4feet widths and 6.5feet in height	1	No.	11040	11040
13	Supply, fitting & fixing of G.I. clamp	60mm, 48mm, 42mm, 33mm size	15	kg	278	4170
14	Supply, fitting & fixing of 2mm dia. G.I. wire	N.A.	15	kg	189	2835

Vetted

G. S. Pal
 18/01/2023
 Gokul Mondal, PhD
 Professor
 Dept. of Construction Engg
 Jadavpur University, Kolkata-106

26/01/2023

15	Supply, fitting & fixing of Angel bracket	ISA 40mm X 40mm X 3mm	15	Mtr.	432	6480
16	Supply, fitting & fixing of Fasteners	3/8 inch/25/50/75/100/125 mm	25	kg	198	4950
Sub Total = Rs.						2,13,243
Add GST @ 18% on Rs. 2,13,243 = Rs.						38,384
Total Amount = Rs.						2,51,627
Add L.C. @ 1% on Rs. 2,51,627 = Rs.						2,517
Grand Total = Rs.						2,54,144
Add Contingency @ 3% on Rs. 2,51,627 = Rs.						7,549
Total Estimated Amount = Rs.						2,61,693

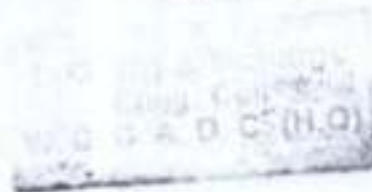
Total Estimated Amount = Rs. 2,61,693.00 (Rupees Two lakh sixty one thousand six hundred ninety three) only.

Prepared & may be
vetted by
[Signature]
06/01/2023

Recommended for Vetting

Animesh Banerjee
06/01/2023

J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)
ENGG. CELL

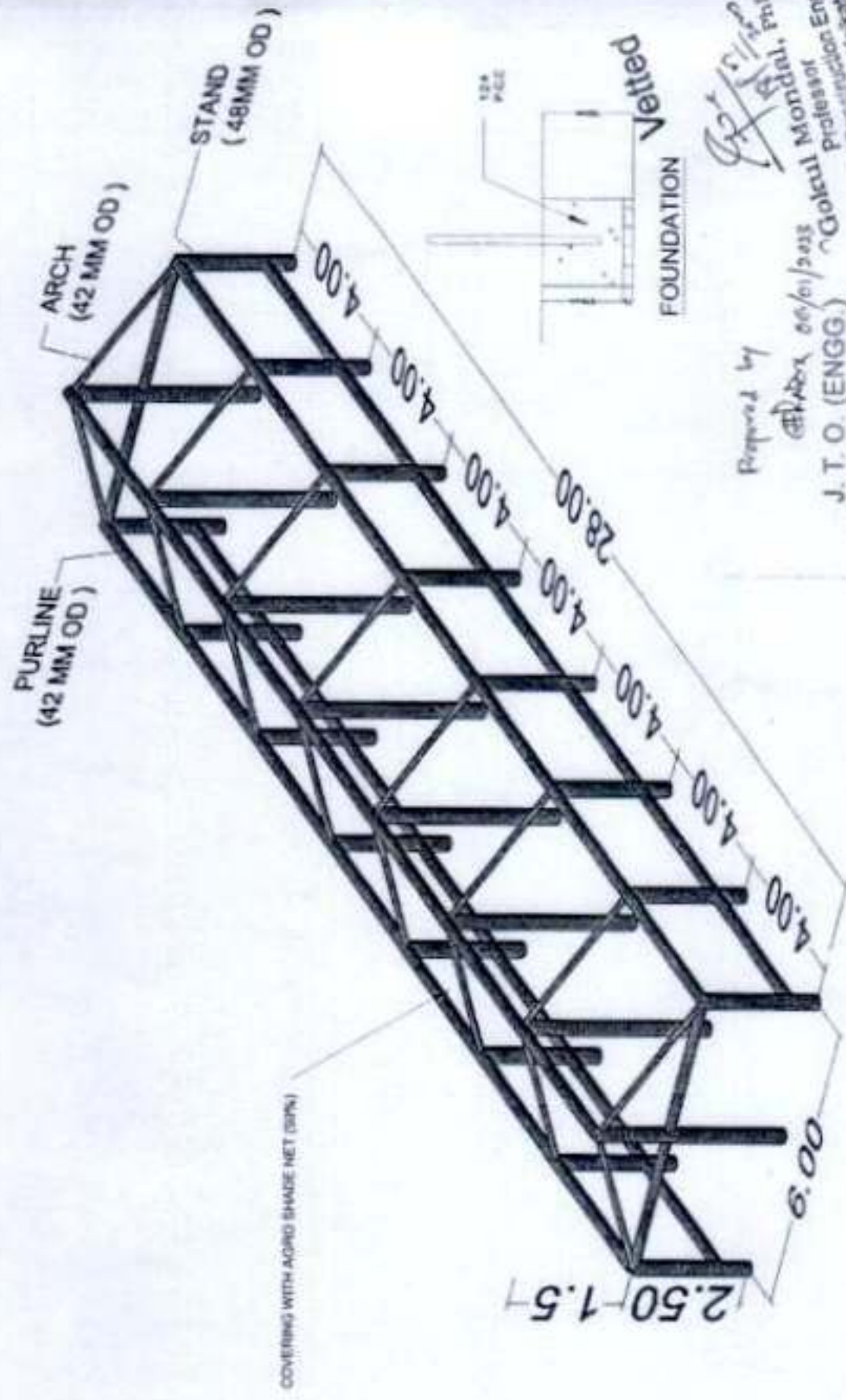


Vetted

[Signature]
18/1/23
Gokul Mondal, PhD
Professor
Dept. of Construction Engg
Jadavpur University, Kolkata-106

SHADE NET HOUSE

(AREA 6M X 28 M = 168 SQM)



Prepared by
 J. T. O. (ENGG.)
 W.B.C.A.D.C. (H.Q.)
 ENGG. CELL

06/01/2015
 Golukul Mondal, Ph.D.
 Professor
 Dept. of Construction Engg
 Jadavpur University, Kolkata-108

Estimate for Construction of Open Shed Net House (area 120 sq. meter) at Central Park under West Bengal State Council of Science & Technology

Sl No	Items	Specification	Quantity	Unit	Rate(Rs.)	Amount(Rs.)
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a load of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.	N.A.	6	m3	119.27	715.62
2	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	N.A.	45	m2	361	1624.5
3	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (a) 25 mm to 30 mm shuttering without staging in foundation	N.A.	20	m2	209	4180

Vetted

Handwritten Signature
06/01/2013

Handwritten Signature
18/1/2013
Gokul Mondal, Ph.D
Professor
Dept. of Construction Engg
Jadavpur University, Kolkata-108

4	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. A) [Pakar variety]	N.A.	3	m ³	5488.9	16466.7
5	Supply, fitting & fixing of G.I. Pipe (section- 60mm OD, 2mm thick)	As per IS 3601:2014	36	Meter	522	18792
6	Supply, fitting & fixing of G.I. Pipe (section- 48mm OD, 2mm thick)	As per IS 3601:2014	48.3	Meter	441	21300.3
7	Supply, fitting & fixing of G.I. Pipe (section- 42mm OD, 2mm thick)	As per IS 3601:2014	135.6	Meter	386	52341.6
8	Supply, fitting & fixing of G.I. Pipe (section- 33mm OD, 2mm thick)	As per IS 3601:2014	45	Meter	294	13230
9	Supply, fitting & fixing of GI channel	0.8 mm (FLAT-NEW) 275Gm/Mtrs	160	Mtr.	36	5760
10	Supply, Fitting & fixing of Zig Zag Spring Insert	High carbon steel wire for repeated action, 2.3mm dia.	320	Meter	14	4480
11	Supply, Fitting & fixing of Self Trapping screw	20mm length	480	No.	1.5	720
12	Supply, Fitting & fixing of Agro shed net of 50% shading intensity	Green in colour & as per IS 16008:2012	150	Sq.M	36	5400
13	Supply, fitting & fixing of double leaf (make-plastic/FRP sheet) door mounted in suitable strong frame.	Two hinge doors of size 4feet widths and 6.5feet in height	1	No.	11040	11040
14	Supply, fitting & fixing of G.I. clamp	60mm, 48mm, 42mm, 33mm size	10	kg	278	2780

Vetted


Gokul Mohan, Ph.D
Professor
Dept of Construction Engg
Jadavpur University, Kolkata-108

06/01/2023

15	Supply, fitting & fixing of 2mm dia. G.I. wire	N.A.	12	kg	189	2268
16	Supply, fitting & fixing of Angel bracket	ISA 40mm X 40mm X 3mm	12	Mtr.	432	5184
17	Supply, fitting & fixing of Fasteners	3/8 inch/25/50/75/100/125 mm	20	kg	198	3960
					Sub Total = Rs.	1,70,243
					Add GST @ 18% on Rs. 1,70,243 = Rs.	30,643.69
					Total Amount = Rs.	2,00,886
					Add L.C. @ 1% on Rs. 2,00,886 = Rs.	2,009
					Grand Total = Rs.	2,02,895
					Add Contingency @ 3% on Rs. 2,00,886 = Rs.	6,027
					Total Estimated Amount = Rs.	2,08,922

Total Estimated Amount = Rs. 2,08,922.00 (Rupees Two lakh eight thousand nine hundred twenty two) only.

Prepared & may be
vetted by
Alina 06/01/2023

J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)
ENGG. CELL

Recommended for vetting

Animesh Bandy
06/01/2023



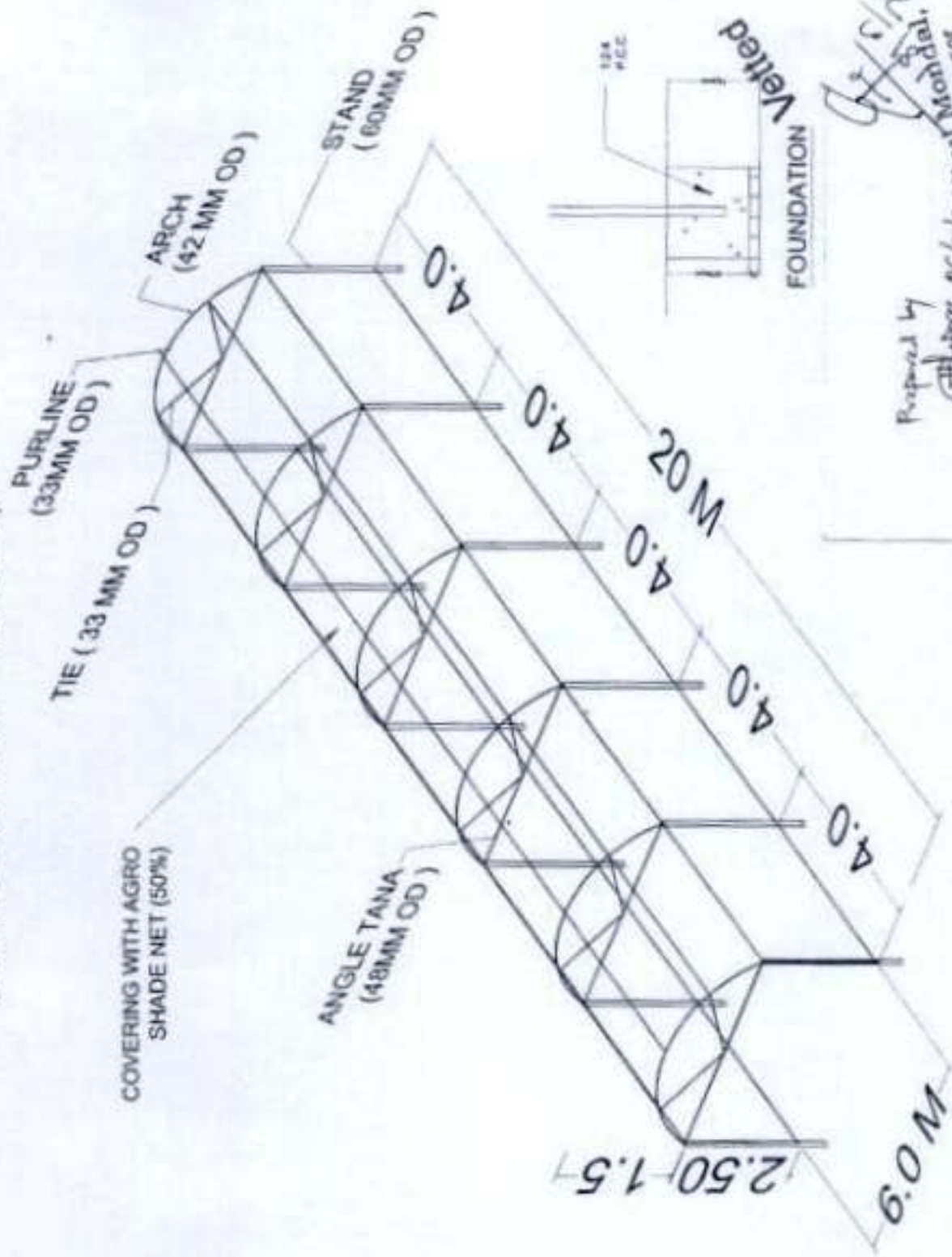
Vetted

[Signature]
15/01/2023

Gokul Mondal, PhD
Professor
Dept. of Construction Engg
Jadavpur University, Kolkata-100

SHADE NET HOUSE

(AREA 6M X 20 M = 120 SQM)



Prepared by

G. S. Mandal, Ph.D.

Professor of
Dept. of Construction Engg
Jadavpur University, Kolkata-106

J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)

ENGG. CELL

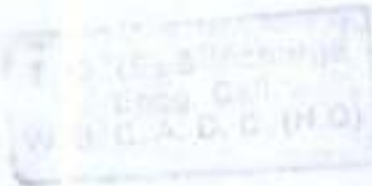
Cleaning Compound premises of shrubs, plants, jungles, Uprooting and Removing Stumps, Roots & Hard Pruning of various trees at entire premises of West Bengal State Council of Science & Technology at Central Park, Salt-lake

Sl no	Description of work	Quantity	Units	Rate	Total
1	Clearing compound premises of shrubs, plants, jungles etc. by cutting and removing as directed (Specific permission of Engineer-in-Charge prior to execution will be necessary). (Payment to be made on area cleared)	1000	m ²	11.00	11000
2	Uprooting and Removing Stumps & roots, compaction of backfilling and stacking of serviceable material by manual means as per Technical Specifications Clause 201 for Rural Roads of MORD. A. Lead upto 100 m i) Girth above 900 mm to 1800 mm.	4	each	428.00	1712
3	Hard Pruning of various trees as directed (Specific permission of Engineer-in-Charge prior to execution will be necessary). Grith varying above 900 mm to 1800 mm-	25	each	1000.00	25000
Total					37,712
Add 18% GST on Rs 37,712.00					6,788
Total including GST					44,500
Add L.C 1% on Rs 44,500.00					445
Total					44,945
Add 03% Contingency on Rs 44,500.00					1,335
Grand Total					46,280
Total Amount = (Rupees Fourty Six thousand two hundred eighty only)					

Prepared & may be
vetted by
J.T.O. 06/01/2023

**J. T. O. (ENGG.)
W.B.C.A.D.C. (H.Q.)
ENGG. CELL**

Recommended for vetting
Animesh Banerjee
06/01/2023



Vetted

Gokul Mondal
Gokul Mondal, PhD
Professor
Dept. of Construction Engg
Jadavpur University, Kolkata-106