



ICAR - NATIONAL RICE RESEARCH INSTITUTE
CUTTACK – 753 006 (ODISHA)
Department of Agricultural Research and Education (DARE),
Phone(PABX): 0671-2367768-783/FAX: (0671)2367663/2367759
E-mail: crrictc@nic.in
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BID DOCUMENT

NAME OF WORK: Construction of one Rain-out Shelter and store & working room and allied land development under CRS for the project "Association mapping of genes/QTLs for yield under reproductive stage drought stress in rice" (Oryza sativa L.)BIRAC, at NRRI, Cuttack-6.

:

Tender Enquiry No: 03/rainout/Tech./NRRI/2017-18

Tender published at Website:

<https://eprocure.gov.in>

<http://crric.nic.in>

**CPPP Helpline No : 1800-3070-2232, 0120-4200462
0120- 4001002**

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NOTICE INVITING TENDER

ICAR-NRRI invites e-tenders for the supply of Construction of one Rain-out Shelter and store & working room and allied land development under CRS for the project "Association mapping of genes/QTLs for yield under reproductive stage drought stress in rice" (Oryza sativa L.)BIRAC, at NRRI, Cuttack-6" through the website www.eprocure.gov.in under **Two Bid system** from reputed manufacturers/suppliers.

Tender Enquiry No:03/rainout/Tech./NRRI/2017-18

Critical Dates

Date of Uploading of Tender Documents (online)	15.06.2017	10.00 hrs
Bid Document Download Start Date (Online)	15.06.2017	10.30 hrs
Bid Submission Start Date (Online)	15.06.2017	10.30 hrs
Bid Submission End Date (Online)	06.07.2017	15.00 hrs
Receipt of EMD at NRRI, Cuttack	06.07.2017	15.00 hrs
Date of Technical Bid Opening (Online)	07.07.2017	15.30 hrs
Date of Opening of financial bid	As will be reflected in the Technical Evaluation Report	

Important Notes:

1. Tender Documents can be downloaded from the Central Public Procurement Portal www.eprocure.gov.in Bidders should enroll/register in the e-procurement module of Central Public Procurement Portal through the website : www.eprocure.gov.in for participating in the bidding process. Bidders should also possess a valid DSC for online submission of bids. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at Instructions for online Bid Submission
2. Only bids received on our e-procurement portal will be considered for opening. However, one set of print out of bid documents should be submitted along with the EMD. Bids in any other form sent through sealed cover/email/post/fax etc. will be rejected.
3. The Director, NRRI, Cuttack- 753006 reserves the right to accept /reject any or all the tenders in part/full without assigning any reason thereof.

4. ICAR-NRRI will not be responsible for any delay in enrollment/registration as bidder or submitting/uploading the offer on e-tender portal. Hence, bidders are advised to register in e-tendering website www.eprocure.gov.in and enroll their Digital Signature Certificate (Class ó II or above) and upload their quotation well in advance to avoid last minute problems.
5. Any change/corrigendum/extension of opening date in respect of this tender shall be issued through websites only and no press notification will be issued in this regard. Bidders are therefore requested to regularly visit our website www.nrri.nic.in for updates.
6. The Director, NRRI, Cuttack may at his/her discretion, extend this date by a fortnight and such extension shall be binding on Tenderness.
7. **The rate quoted by the firm will be valid till completion of the work.**
8. Please note that only online bids will be accepted
9. **It may please be noted that Financial Bids of only those firms will be considered for opening, who will qualify in the Technical Bid.**
10. Estimated cost is **Rs.30,94,606/-** approximate.
11. Link: eprocure.gov.in

**Digitally signed by :
(Asstt. Admn. Officer)**

Place: NRRI, Cuttack

Date : 14.06.2017		Date : 14/06/2017
		Location : NRRI



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INSTRUCTIONS TO THE TENDERERS

The tender shall be submitted in accordance with these instructions and any tender not confirming to the instructions as under is liable to be rejected. These instructions shall form the part of the tender and the contract.

1. For Online Bid submission, as per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificate.

More information useful for submitting the online bids on the CPP Portal is available obtained at www.eprocure.gov.in/eprocure/app.

For Registration

2. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
3. The intending Tenderer, in case of Prime Equipment Manufacturers shall upload a self-declaration on their letter-head as PDF file in **Cover-I** of e-tender, along with the tender documents, confirming that they are regularly manufacturing, supplying, installing, testing & commissioning of the similar equipment for the last 5 years.
4. The intending Tenderer, in case of Authorized Distributor/Authorized Dealer shall possess valid authorized Distributorship/Dealership license from Original Equipment Manufacturers. The tenderer shall enclose the copy of the same as PDF file in **Cover-I** of the e-tender while submitting the tender.
5. The equipment shall be in compliance with the specifications mentioned in **Annexure-I** of the tender and shall be of the latest technology, best quality and high standards.
6. Any optional accessories/tooling, besides the standard equipment recommended for the better performance of the equipment, if offered, be provided with their full technical details including their use and advantage in a separate sheet with the tender documents. Minimum **2 (two) years** warranty has to be provided for equipment.
7. No extra payment shall be paid on account of any discrepancy in nomenclature of items.

8. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected. If any tender stipulates any condition of his own, such conditional tender is liable to be rejected.
9. Director, ICAR-NRRI, reserves the right to reject any tender/bid wholly or partly without assigning any reason.
10. The Technical Committee constituted by the Director, ICAR-NRRI shall have the right to verify the particulars furnished by the bidder independently.
11. Tender shall take into account all costs including installation, commissioning, cartage etc. for giving delivery of material at site i.e. ICAR-NRRI, Cuttack before quoting the rates. In this regard no claim for any extra payment for any reason shall be entertained.
12. The construction should be executed/ supply should be delivered at ICAR-NRRI, Cuttack and the Contractor/Supplier shall be responsible for any damage during the transit of goods/construction.
13. All the tender documents & price bid to be uploaded as this tender are to be digitally signed by the bidder.
14. All the communications with respect to the tender shall be addressed to : -The Director, NRRI, Cuttack-6

GENERAL TERMS AND CONDITIONS

1.	Name of the Item	:	Construction of one Rain-out Shelter and store & working room and allied land development under CRS for the project "Association mapping of genes/QTLs for yield under reproductive stage drought stress in rice" (Oryza sativa L.)BIRAC, at NRRI, Cuttack-6".
2.	Quantity	:	01 Unit
3.	Only bids received on CPP Portal will be considered for opening Bids in any physical form sent through fax/email/courier/post/delivered personally will not be considered.		
4.	Bidder should log into the site well in advance for bid submission so that the bid is uploaded in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.		
5.	The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.		
6.	The rates quoted should be for delivery and installation at ICAR-NRRI, Cuttack. The tender shall be valid for a period of 180 days from the date of opening of the tender . All the cost including tax and any other charges (custom duty, clearing charges, etc) must be included.		
7.	An Agent can represent only one firm in a tender and an Prime Equipment Manufacturer cannot submit more than one offer against a tender through different sole selling agents or one directly and another through sole selling agent. In such cases, all the offers will be rejected.		
8.	The equipment offered shall confirm to the specifications as given in Annexure-I/Work/Supply orders and shall be guaranteed against any defective design, defective quality materials supplied, manufacturing defects etc. for a minimum period of Two years from the date of supply/installation. Documents supporting the technical specification of the quoted goods may be uploaded in Cover-I in the PDF format.		
9.	The Tenderer shall upload PDF format copy of Sales Tax/VAT Registration, Income Tax PAN, in Cover-I of the e-tender .		
10.	<u>Bid Security:</u>		
a.	The earnest money deposit (EMD) of Rs. 93,000/-(Rupees Ninety Three Thousand only) must be deposited in the form of Demand Draft drawn in favour of the Director, NRRI, Cuttack-6 payable only at the State Bank of India Nayabazar, Cuttack-4 (Code No. 02094) in the prescribed format, valid for 45 days beyond the validity of bid. This has to be submitted to this office on or before 06.07.2017 at 15.00 hrs. Name of the Tender and Tender reference number has to be furnished behind the bid security Demand Draft. The scanned copy of bid security by way of Demand Draft in PDF form should be included in Cover-I of the E-tender. The offers without bid security will be rejected.		
b.	The bid security will be returned to the unsuccessful bidders after the orders are placed with the successful bidder.		
c.	The bid security will be forfeited if the bidder fails to accept the order based on his/her offer (bid)or fail to supply the items.		
11.	<u>Performance Security:</u> An amount equivalent to 5% of the quoted/approved amount		

	should be deposited by the agency within seven days of issue of the work order/before starting of the work. The Security deposit will be kept by this office and the same will be refunded after completion of the guarantee period (03 Years) on receipt of written request. No interest will be paid by this Institute on account of the said security deposit and EMD amounts. If the bidder fails to remit the Performance Security the Bid security will be forfeited and the acceptance of the tender will be withdrawn and no further correspondence in this regard will be entertained.
12.	Full specification of the article quoted for shall be uploaded in the e-tender in PDF form along with illustrated pamphlets, drawings etc., where available, in COVER-I
13.	Payment will be made by Bank/Electronic Transfer, only after satisfactory completion of work/supply/installation and receipt of pre-receipted bill in triplicate. Quotations giving any other mode of payment may be avoided.
14.	Payment will be made after satisfactory completion of the work, and duly certified by the (Indenter) P.I. of the Project (EAP-202) NRRI, Cuttack on the body of the bill. <u>No part payment shall be allowed.</u>
15.	The agency is liable to pay Income Tax as applicable, which will be deducted from the bill at TDS.
16.	The bidder is required to produce all papers in Original for verification before starting of the work, if asked for.
17.	The Director, ICAR-NRRI, Cuttack reserves the right to accept or reject any or all the quotations either in full or in part without assigning any reason in the best advantage of this Institute.
18.	Proper servicing, whenever necessary, has to be provided by the Agency/Supplier or their authorized agents. Availability of technical support & servicing facility locally/nationally should be submitted in pdf form in Cover-1 of the Bid.
19.	AMC charges for the first five years after warranty, its terms and conditions etc. may be indicated AMC Charges are likely to be considered by the Competent Authority for comparison before selection.
20.	Users list may also to be attached in the tender form.
21.	<u>Liquidated damages:</u> 0.5% of the contract value per week for delay subject to a maximum of 10% of contract value will be levied incase the work is not completed within the stipulated time.

SPEFIFICATION ANNEUXRE -I

DETAILS OF MATERIALS AND WORK SPECIFICATIONS ONE UNIT OF CONSTRUCTION, FABRICATION, INSTALLATION AND COMMISSIONING OF RAIN-OUT SHELTER:

QTY: 01 Unit

- a) Total Structure Size/ Area: 50m × 9m (including parking area) Facility is designed in such a way of right orientation & automation for efficient energy
- b) Parking Area: Length 25m x Width 9m
- c) Grown Area: Length 25m x Width 9m x Side Height 2.5m x Center Height 4.0m

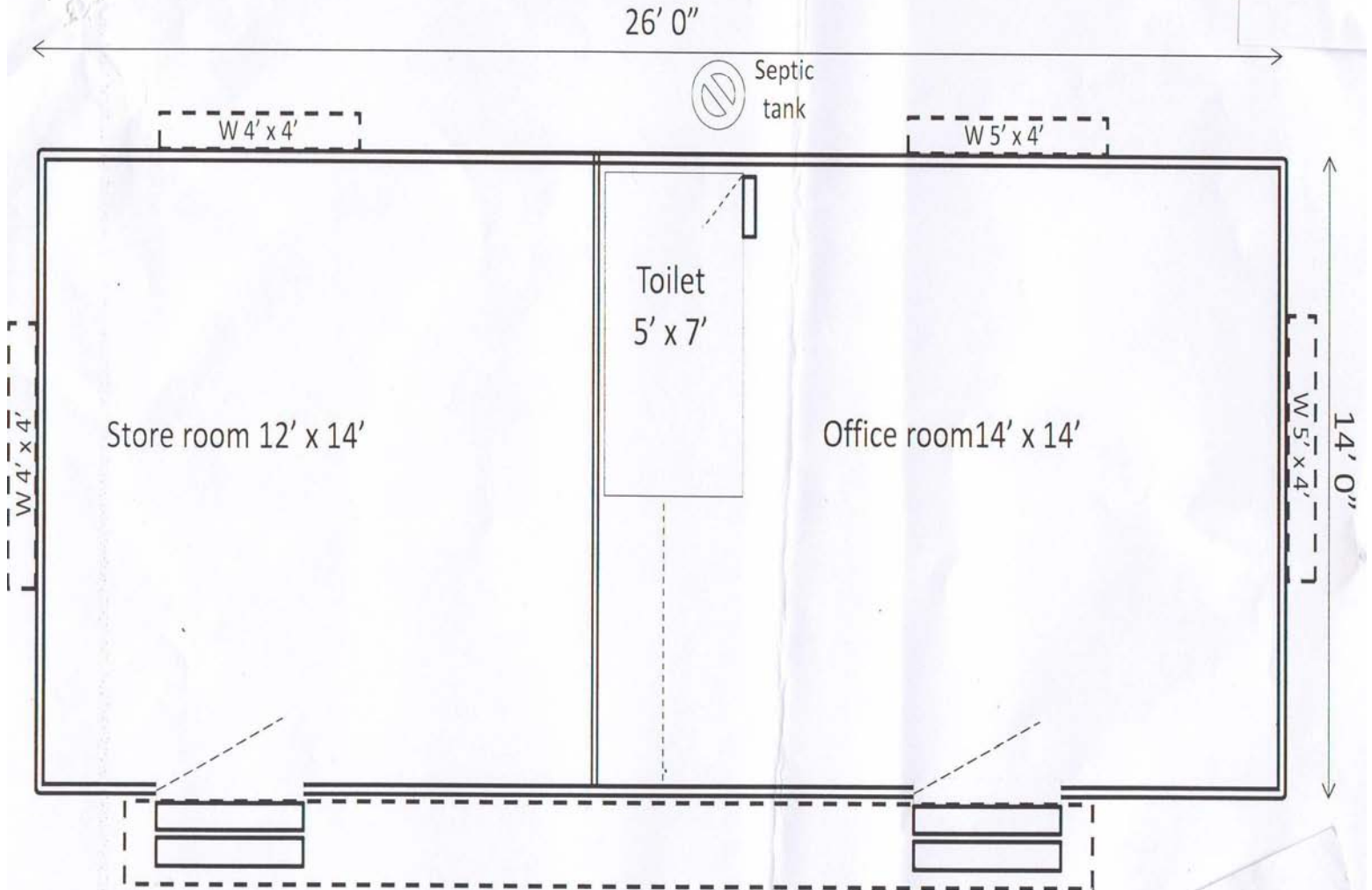
S. N.	ITEMS	TECHNICAL SPECIFICATION	QTY	UNIT
1	Structure	Complete structure made by GI pipe (ISI Standards-IS 1239 B Class) and GI Coat (IS Standard-IS4736-1968/ISO65-1973) Roof structure size ± 1mm 48x 48mm & 38 x 38mm with 2mm thickness . All structure pillars made of GI bar 70x70mm with 3mm thickness fixed on foundation plate. All four side of structure special design 0.5M extra hockey shape for avoid direct Rain water in extreme wind condition. Structure specially design with proper ventilation on all four side. Super structure shall be fixed in RCC Columns/pillars on permanent foundation.	6950	Kg
2	Cladding	Structure Roof and sides will be covered by 8 mm thick clear multi wall clear polycarbonate sheet, aluminum Profile, EPDM gasket, Silicon sealant and accessories. Roof and Side wall covered by 8mm, UV stabilized clear polycarbonate sheet following are the details: Sheet thickness 8mm Structure 2 TS Approx. Weight g/m ² 1.25kg/12 ft Light Transmission 90% K Value 3.5 Impact Strength: Sheet has outstanding impact performance over wide temperature range -40°C + 120°C and also over prolonged outdoor exposure. Hail simulation: As a roof and side glazing material is of polycarbonate sheet which can be subjected to the extreme weather conditions such as storms, hail stones, wind, and snow fall and ice formation the product is virtually unbreakable and able to accommodate the subsequent temperature changes to conditions without breaking or buckling. Polycarbonate sheet is treated with exclusively anti fungal treatment to enhance the life of sheet. Wind Load It can take wind load up to 120Km/hr.	570	Sqm
3	Rail	This structure will raised on parallel rail fixed on foundation wall. Foundation Plate to be connected with specially design wheels. Rail will be made up of Steel channel 75 mm width wall thickness 6 mm ±1mm, specially designed to resist in wind load of 120 Km/hr.	102	R-mt.
4	Driven Mechanism/ Electrical Motor	Driven Mechanism /Device: Electrically driven and controlled by attached micro processor based controller. 2.0 HP electrical motor for efficient movement of roof structure stationed on rail. User can also slide manually the whole structure on the crop area from parking area at the time of rains even on power failure. 7.5 KVA Servo type electronic stabilizer, Copper wiring (Input voltage: 90 - 280 Volt: Output voltage: 220-240 Volt), digital voltage display, over load protection, and high- low voltage cut off.	01	Set

5.	Automation	Weather Station- Intelligent Control System (ICS): Fully automatic ICS will be installed to provide protection to the crops in rainout shelter during rains. The ICS is so reliable that once it just starts the rain or the dew is heavy, it will automatically signal the system to rollout the roof of rainout shelter and once the rain stops the structure would get rolled back again to provide natural environment to the crops protected from the rains.	01	Set
6.	Micro Irrigation system	Over head sprinkler nozzles, motor 1.0 hp and screen filter etc water tank 1000 ltr. Water Connection: Approximately 50m water pipe (PVC) 1.5" along with valve for water connection.	01	Set
7.	Excavation	Excavation of soil for foundation & wall.	175	Cum
8.	Foundation	On both sides RCC column at 3.0m interval in 1:2:4, 0.30 x 0.30 x 0.9 m below ground level and 0.45m above GL with MS plate for fixing of rail Channel. Foundation rail pillars with steel channel at every 3m distance on both side of rain out shelter.	3.0	cum
9.	RCC Wall for Crop Area	9" wide, 5ft below RCC in 1:2:4 ratio	26.0	Cum
10.	Wall for Parking Area	Brick wall 1.5ft above ground level in crop area.	8.0	Cum
11.		10" wide, 3.0' below & 1.5' above the ground level, made of 1 st class brick in 1:6 CM, duly plaster both sides.	20.0	Cum
12.	Plaster	15mm thick Cement plaster in 1:4	160.0	Sqm
13.	Drainage	Structure will be connected with common cemented drain for drainage of roof rain water to avoid water seepage near crop area and parking area.	120.0	Rmt
14.	Plinth protection	90cm wide brick work with plastering and punning around all the walls of the structure	108.0	Sqm
15.	Reinforcement Steel	for RCC work including straightening, cutting, bending, placing in position and binding all complete up to plinth level	715.0	Kg
16.	Form work	Centering and shuttering including strutting, propping etc. and removal of form for retaining wall	210	Sqm
17.	Electric Connection and Electrification Work	Supply & laying of cable 16mm 4 core for 3 phase connection from main pole to rain out shelter structure, and Store and working rooms. All wires will be of copper with desired load and switches imported make, extra switches also provided as standby. Each feature has own electric line, MCB, with Distribution Panel and will be underground in PVC pipe complete set with A grade work.	150	mtr
18.	Auto On/Off System	Auto on/off system for micro irrigation.	01.0	Set
19.	Land development	Land development: Development of land approx 510 Sqmtr with following work Sand filling up to 0.4m of 250 m ² (crop area only) Good earth filling up to 1.0m in 250m ² (parking area) RCC Retaining Wall of length of 25.0m, height from ground level :1.25m, and below ground level :0.6m, thickness of retaining wall: 15cm excluding plastering, with stay(support) at a 5.0m interval	250	Sqm

20.	Store and working rooms	Size: 26.0' x 14.0' x 10.0' (L x W x H) Office: 14' x 14', Store Room: 12' x 14' Electrification a) Light points with lights=9, b) Fan with fan points= 3, c) Exhaust fan with points = 2, d) Power point: 6, e) MCB box double door	One	set
		Excavation of soil for foundation & wall.	15	Cum
		PCC 1:4:8 in foundation & floor	7.5	Cum
		DPC 50mm thick	6.50	Sqm
		B/W in foundation up-to plinth level in 1:4	8.50	Cum
		B/W above plinth level in 1:6	19.00	Cum
		Plaster 15mm in 1:4	280.00	Sqm
		Reinforced cement concrete work in, lintels, up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	8.5	Cum
		Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform	53.0	Sqm
		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level Thermo-Mechanically Treated bars	650.00	Kg
		Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate) with vitrified tiles(60cmx60cm with adhesive fixing)	34.00	Sqm
		Constructing soak pit 1.50x1.50x2.00 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design. Top with RCC and CI manhole cover 450 x 450mm	1	Nos.
		Washroom: Complete with WC, washbasin, Tapes, tiles wall & floor	1	Set
	Essential Accessories for future maintenance	Extra Rain Sensor- 2Nos.	1	Set
		Gear motor only 2.0hp 3 ph-One	1	Set

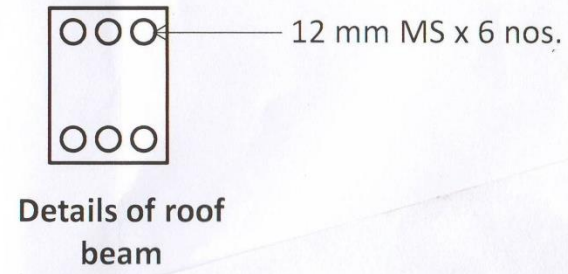
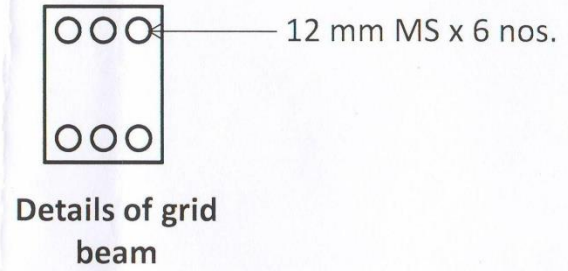
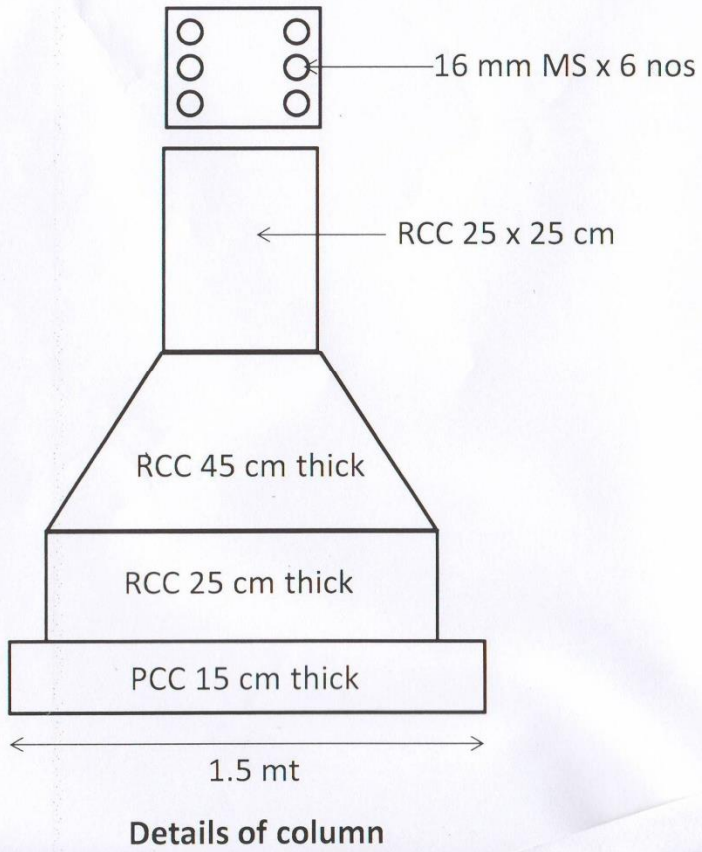
- Should provide accessories (if any) essential for efficient and smooth functioning of system.
- Warranty and replacement: minimum 2 years.
- Should provide authorization certificates, demonstration for function of ROS at NRRI, Cuttack and time to time service when necessary
- Must include all the cost including tax and any other charges (custom duty, clearing charges, etc)
- Drawings and other details should be enclosed with technical bid
- Minimum 5 years experience should be in the field of rain shelter, hi-tech green house
- Price should be at NRRI, Cuttack.

PROPOSED BUILDING NEAR RAINOUT SHELTER



- Building having RRC roof 4" thick with 10" brick work duly plastered and painted (Inside distemper and outside weather coat)
- 6 Nos. RRC column having 3 f' foundation from ground level and plinth height 4' from ground level.
- 4 Nos. steel window of above sizes.
- 2 nos. wooden doors from rooms and 1 no. FRP doors for toilets.
- Plinth protection 1_m width all round building.
- Toilets having commode, urinal and wash basin

PROPOSED BUILDING NEAR RAINOUT SHELTER

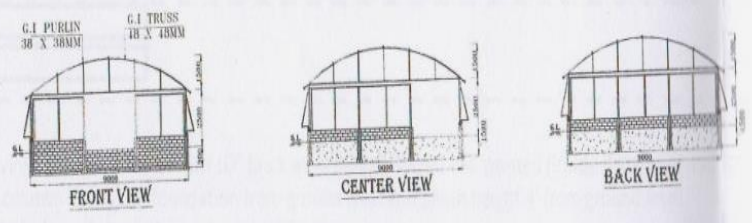
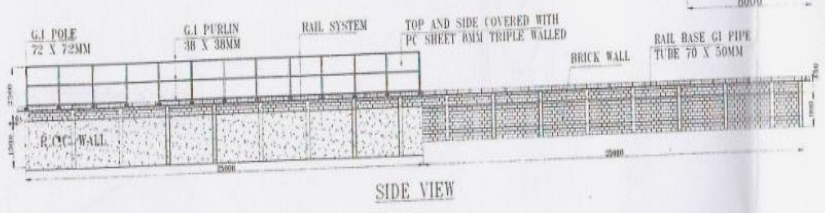
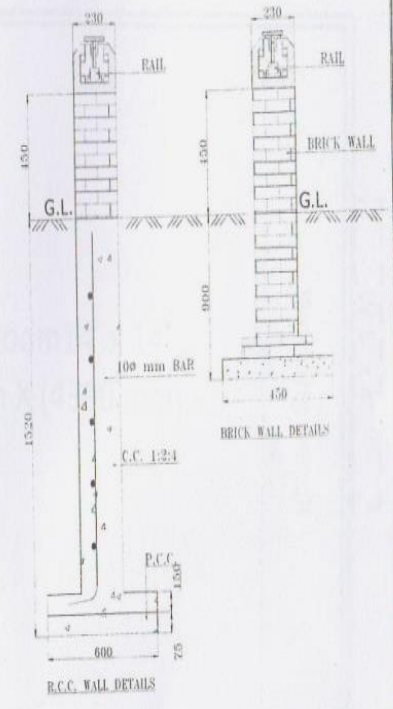
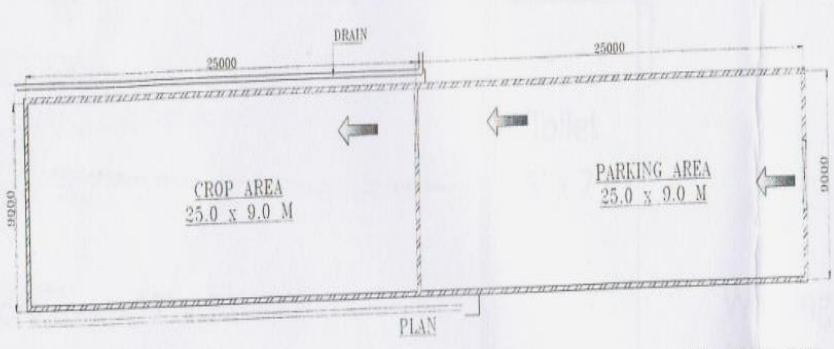
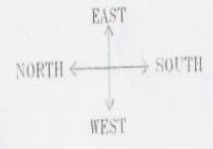


Authorized Signatory
of the Tenderer / Agency (With Seal)

Sd/-
DIRECTOR

Address:

RAIN OUT SHELTER (50.0 X 9.0 X 4.0 X 2.5 M)



RAIN OUT SHELTER
NATIONAL RICE RESEARCH INSTITUTE, CUTTACK

Online Bid Submission

The Online bids (complete in all respect) must be uploaded online in Two Covers as explained below:-

<u>COVER - I</u>			
(Following documents to be provided as PDF file)			
Sl. No.	Documents	Content	File Types
1.	TECHNICAL BID	Name of authority from whom the agency license has been obtained with date of expiry / validity	pdf
2.		Name of similar works executed with name of the organization and year of completion	pdf
3.		Total cost of the projects as mentioned at sl.no. 2 (it should not be less than Rs.10.00 Lakh)	pdf
4.		Financial transaction of the firm during preceding three financial years (it should not be less than Rs.10.00 Lakh every year.	pdf
5.		Is the firm or any of its sister concern black listed / banned by any Govt. department / Institute in India? (If the answer is no, the bidder should attach a certificate (self attested) to this effect.	pdf
6.		Rain-out Shelters completed satisfactorily for Rs.10.00 Lakh in a single work order	pdf
7.		Bank Solvency of Rs.10.00 Lakh	pdf
8.		Registration certificate of the firm	
8.		Ten years experience	pdf
9.		Guarantee / Warranty period	pdf
10.		Service Tax registration certificate	pdf
11.		VAT clearance certificate	pdf
12.	Scanned copy of DD towards EMD for Rs. 93,000/-	pdf	
<u>COVER -II</u>			
Sl.No	Types	Content	
1.	Financial Bid	Price bid (BOQ) to be filled in Excel format as per instructions given in price bid	xls

**ASSISTANT ADMINISTRATIVE OFFICER
TECHNICAL SECTION
NRRI, CUTTACK-6**