



# भाकृअनुप-प्याज एवं लहसुन अनुसंधान निदेशालय

राजगुरुनगर, पुणे-४१०५०५ महाराष्ट्र

ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH

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F.No. 15-333/SP/AMS/NICRA/2015-16/2274

Date : 28.01.2016

To,  
M/s. Rajdeep Agri Products Pvt. Ltd.  
3279/1, Ranjit Nagar,  
New Delhi – 110 008

**Subject:- Purchase order for Supply & Installation of Rain out Shelters -regarding**

**Ref :- Your Ref. No.RAPL/2015-16/MG/F-45/T dated 27.08.2015**

Sir;

With reference to subject cited above, supply & Installation of following Rain out Shelters should be made at DOGR, Rajgurunagar as per specification, quantity, rates and terms conditions mentioned below :-

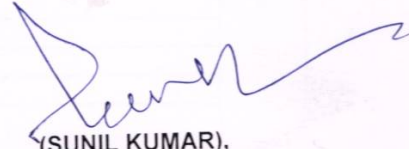
Sr. No.	Product Description	Qty	Amount (Rs)
1	<b>Rain-Out Shelters</b>	1 No.	2580000.00
	Unit Area : 750 sqm including parking area		
	Center Height : 12.0'		
	Side Height : 08.0'		
	Width : 12.5 m		
	Structure : Dome		
	Design/Shape		
	<b>Super Structure:</b> Made of anti corrosive humidity resistant GI Sq. Pipe Class 'B', of following sections, structure will have absolute strength to withstand maximum Indian wind load, complete as per requirement.		
	Pipe standards : G.I., B.I.S. standard : 1239, Thickness : 2.0 mm, Section Tolerance ± mm.		
	Vertical column : 70 x 70mm/60 x 60 mm/70 x 50mm		
	Trusses : 48 x 48 mm and 38 x 38 mm.		
	Purlins : 32 x 32, 38 x 38 mm		
	Vertical Support : 32 x 32, 38 x 38 mm.		
	Side Support : 50 x 25 mm.		
	<b>Covering:</b> Top covered with U.V. stabilized Polycarbonate sheet fixed with, aluminium strip with gasket; all edges/joints will be blocked with silicon sealant to avoid leakages.		
	<b>Technical Specification of Polycarbonate Sheet</b>		
	Grade : UV stabilized both side		
	Sheet Structure : 8 mm triple wall		
	Light transmission : 80 %		
	U value : 3.0 W/m2k		
	Service Temperature : Long term deg. C-50 to + 100		
	Approx. Weight g/m2 : 1700 GSM		
	Fixing : Aluminium strip 2"/ polycarbonate 'H' & 'U' profile.		
	Warrantee : 10 years as per manufacturer's clause.		

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<b>Front &amp; Back</b>	: Provision of Sheet rolling system.		
<b>Railing system:</b> Specifically designed conveyer system with rolling mechanism, having multi rollers wheels (Shield Steel bearing/ Nylon wheels) for holding and smooth moving of structure to and fro.			
<b>Rolling Mechanism:</b> Power operated geared motor mechanism (with lock by that shade cannot move due to wind force) to move the rain out shelter to and fro.			
<b>Automation:</b> The system is equipped with rain sensor for automatic operation of shelter. Housing of the motor and other electrical components in rain protected box/shade for longer operation.			
<b>Irrigation system</b> : by providing following system			
Nozzles	: Micro sprinkler hanging type		
Water discharge	: 40/70 LPH each nozzles		
Quantity	: As per requirement		
Lateral pipe:	: 16 mm LDPE black		
Filter	: Online		
Water Tank	: PVC 2000 Lt.		
Pump	: 1.0 HP		
Automation	: Digital cyclic timer 0-999, Min/sec. ON/OFF		
<b>Foundation:</b> Vertical pole will be grouted in CC 1:2:4, 30cm 0.9m below ground level at every 3.0m interval.			
<b>Wall</b> : 30cm above and 30cm below ground level made, of CC blocks/1 <sup>st</sup> class bricks of class designated in 1:6 CM (1: cement, 6: coarse sand) exposed wall duly plastered in cement sand mortar.			
<b>Power Back-up</b> : 5 KVA DG set Kirloskar make			
<b>SOIL MOSTURE MONITORING</b> : TDR System			
Make : Sentek Sensors Technologies, Australia : Model Diviner system – 2000-1.5m			
TDR system for measurement of in situ soil moisture at different soil depth.			
Alongwith access tube and accessories.			
Measure soil moisture content ranging from 0 to 100% with high percent accuracy			
Operating Temperature : up to 50 deg.C			
Portable data logger/data acquisition system with battery charger compatible with Indian system; with USB serial port for data transfer to PC with user friendly software compatible with windows 7 and above, More than 1000 data/readings per one charging.,			
Provided with probe cable of minimum 2m length.			
Access tubes 60 numbers			
Soil auger equipment kit with accessories for fixing access tubes in soil up to 1 m depth			
Carrying case			
With this equipment measurement of every 10 cm space can be taken.			
<b>Total Rs.</b>			<b>2580000.00</b>
Installation charges			117000.00
<b>Total Rs.</b>			<b>2697000.00</b>
CST 12.5%			337125.00
Service Tax @ 14% on installation charges			16380.00
<b>Total Rs.</b>			<b>3050505.00</b>
<b>Rupees : Thirty Lakh fifty thousand five hundred five only)</b>			

**Terms & Conditions**

1. The supply & installation should be completed on or before 21<sup>th</sup> March 2016 at DOGR, If the supply is not completed within this date and no extension of date is applied for and granted a penalty @ 0.50 % per week subject to a maximum penalty of 10% of the value of contract will be recovered from the bill.
2. Net Payable amount is inclusive of all taxes. No other payment shall be paid.
3. Delivery & installation at this office premises & no extra charges shall be paid for these.
4. Warranty 24 months against any manufacturing defect.
5. After 2 years warranty period Comprehensive AMC including service/repair replacement of part charges as under for three years  
AMC @ 3<sup>rd</sup> & 4<sup>th</sup> year Rs. 1, 20,000.00 for each year  
AMC @ 5<sup>th</sup> year Rs. 1, 42,000/- for each year  
Plus Service tax 14.5% extra.
6. These directorates will provide permit for transportation of material, this directorate out of Octroi limit. Hence, it is not necessary. Further regarding 1% Electrical & water charges will be recovered from the bill if it is supplied by office as per tender terms and condition. Storeroom and cleaned levelled site, store room, accommodation of technical staff will be borne by you / additional charges at actual will be extra.
7. 10% security deposit/performance guarantee of total ordered value i.e. Rs.2,69,700 /- is required to be submit in form of D.D. in favour of "ICAR Unit-DOGR" payable at SBI Rajgurunagar which will be refunded after 60 days on completion of warranty period. The security deposit should be submitted before supplying the equipment.
8. Complete payment shall be released after successful work & installation and satisfactory certificate issued from competent authority of this Directorate.
9. You should submit your bank details to enable us to make payment through e-payment.
10. Pre-receipted bill in Triplicate alongwith delivery challan and installation report may be submitted for arranging payment.
11. You are also requested to sign agreement on Non-Judicial stamp paper of Rs. 100/- as per enclosed proforma.
12. The expenditure in this connection shall be met out from NICRA Project during the financial year 2015-2016.
13. Kindly acknowledge the receipt of this letter

  
(SUNIL KUMAR),  
SR. ADMINISTRATIVE OFFICER

- Copy to-**
1. Dr. A. Thangasamy, Scientist & Indenting Officer, DOGR,Rajgurunagar
  2. DDO,DOGR,Rajgurunagar.
  3. AFAO,DOGR, Rajgurunagar
  4. Guard File.