

DEENDAYAL PORT AUTHORITY

ISO 9001-2015 & 14001:2015 Certified

Email: seplkpt@gmail.com
(PL),

Website: www.deendayalport.gov.in



Office of the Executive Engineer

Annexe Building, Room no.105
Administrative Office Building,
Post Box No. 50,
Gandhidham (Kutch)-370 201.



No.PL/WK/ /

Dated: / /2026

To,
M/s _____

Expression of Interest

Sub: Budgetary-offer for Providing Autonomous Green House Facility (04 NOs) at Various location in Oil Jetty Area at Deendayal Port Authority

Sir,

Deendayal Port Authority intends to carry out the **Providing Autonomous Green House Facility (04 NOs) at Various location in Oil Jetty Area at Deendayal Port Authority.**

Kindly submit your Expression of interest along with budgetary-offer in the format given in **Annexure-I**. The rates quoted must be inclusive of all taxes, duties for performing scope of work & exclusive of GST.

Your Expression of interest along with budgetary offer for the above work should be submitted through email to the id: seplkpt@gmail.com or hard copy to the following address on or before2026 by 15:00 Hrs.

Address: -

Office of the Executive Engineer (PL),
Room No.105, Ground floor,
Annexe Building, Administrative Office,
Gandhidham – Kachchh (370201)

Thanking you,

Yours faithfully,

Executive Engineer (PL)
Deendayal Port Authority

Annexure-I

BUGETARY OFFER FORM

To:
The Executive Engineer (PL),
Deendayal Port Authority (DPA),

Sub: Budgetary-offer for Providing Autonomous Green House Facility (04 NOS) at Various location in Oil Jetty Area at Deendayal Port Authority

Dear Sir,

The budgetary offer for the subject work in accordance with your EOI request letter / /2026 is given as under.

Sr.No.	Item Description
1.	Autonomous greenhouse Facility Green House Structure: Hut Shape Type Floor Area:68 Sqm. Size:8.5X8m
2.	Foundation : The vertical Poles directly inserted inside ground using CC foundation (1:2:4),CC foundation(1:2:4),CC Pillers of 45X45 cm 60 cm below actual ground level. Foundation wall for all sides 45cm above earth surface.
3.	Buffer Room (Double Door): Size 2X2 m, Two doors of 2mX1m complete with accessories for fixing lock on doors.
4.	Cladding material: Polycarbonate sheet 6mm thick ,multilayered ,clear with 70-75% light transmission and both sides UV stabilized and covered the soil by weedmat.
5.	Humidity Sensor: <ul style="list-style-type: none">Power Supply :12-36 VDC,Humidity working Range:0-100%RH,Humidity Sensing element: Polymer humidity capacitor,Output for humidity:0-5 VDC or 0-10 VDC or 4-20mA,Accuracy of humidity :\pm 2%RH,Repeatability: \pm 0.3% RH,Sensitivity for humidity :0.1%RH,Drift rate per year:\pm 0.5%RH
6.	Temperature Sensor: <ul style="list-style-type: none">Temperature range: 0-60$^{\circ}$C,Accuracy :\pm 0.2$^{\circ}$C,Radiation shield for each temperature sensorThermistor sensor/PT100 sensor,Output-4-20mA,0-2.5V,or 0.1V

7.	PH Sensor : <ul style="list-style-type: none"> • Measuring range:0-14.00PH, • Operating temperature:0-50° C, • Resolution:0.01pH, • Power requirement:220 VAC +10% 50Hz, • Accuracy:± 0.01 pH,± 1mV Outputs, • Output:4-20mA,0-2.5V,or 0-1V
8.	EC Sensor: <ul style="list-style-type: none"> • Linearity :Temperature 0.2%,EC 0.2% • Temperature accuracy:0.2° C,EC accuracy, • Normalized to 25° C-1%FS @25° C, • EC accuracy ,Nonnormalized-0.7% FS@25° C, • Output EC-4-20mA,0-2.5V,or 0-1V, • Supply Voltage:10-14V, • Warm Up/reading time: 1 sec
9.	Fogging system: <p>(1) 28 ltr Water discharge 4 way of fogger (Netafim make) at 1.25 mtr x 1.25 Mtr distance to maintain humidity to 95%. Lateral Pipe to be connected Both side with Main pipe line.</p> <p>(2) Lateral pipe 16mm.</p> <p>(3) Water Tank - 1000 ltr Plasto/Supreme/Syntax</p> <p>(4) Fogging motor pump high pressure Crompton/kirloskar make Single Phase</p> <p>Nutrient Storage tank: 4nos. with capacity of 100 litre each.</p>
10.	UV Disinfectant system for Fresh as well as re-circulated Nutrient Solution.
11.	Fan Pad System: <p>Exhaust fan: 2 no. 48 inch axial flow exhaust fan (single speed belt driven) each chamber connected with control Panel. One 12" Exhaust fan also fixed to remove the excessive heat in each Buffer Room.</p> <p>Cellulose Cooling Pad: 4" wide x 5 feet height evaporative cellulose CELDEC complete set cooling pad throughout the back width (8 Mtr) with Fully galvanized GI sheet assembly connected to cooling motor pump of 1000 ltr Plasto/Supreme/Syntax Make tank .</p>
12.	Real Time automation: <ul style="list-style-type: none"> • Real Time data of EC dosing • Real time data of PH dosing • Real time data of Temperature & Humidity • All data should be connected to IOT based HMI Panel.
	Standard Warranty: 12 Months

ESTIMATE COST

Sr No	Item Description	Quantity	Rate	Unit	Amount
1.	Hydroponic System(As per Annexure-I) with NFT with Min. 700 Planter	1		Each	
2.	Hydroponic System (As per Annexure-I) with Dutch Bucket with Min. 204 Planter	2		Each	
3.	Hydroponic System (As per Annexure-I) with Growbag with Min.204 Planter	2		Each	
4.	Hydroponic System (As per Annexure-I) with Vertical NFT A-Shape with Min. 700 Planter	2		Each	


Executive Engineer (PL)
Deendayal Port Authority