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**भाकृअनुप-भारतीय जल प्रबंधन संस्थान**  
 (पुराना नाम भाकृअनुप-जल प्रबंधन निदेशालय)  
**ICAR-INDIAN INSTITUTE OF WATER MANAGEMENT**  
 (Formerly ICAR-Directorate of Water Management)  
 (भारतीय कृषि अनुसंधान परिषद /Indian Council of Agricultural Research)  
 रेल विहार के सामने, चन्द्रशेखरपुर, भुवनेश्वर -751023, ओडीशा  
 Opp. Rail Vihar, Chandrasekharpur, Bhubaneswar-751023. Odisha



F.No.2-69/Store/CRP-W(2)/2016/ 587

Dated: 18.10.2016

To

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Sub: Limited quotation for Supply & Installation of micro-irrigation (drip irrigation) system in banana plantation at ICAR-IIWM research farm at Deras, Mendhasal-reg.

Sir,

Sealed quotations are invited on behalf of the Director, ICAR-Indian Institute of Water Management, Bhubaneswar for Supply & Installation of micro-irrigation (drip irrigation) system in banana plantation at ICAR-IIWM research farm at Deras, Mendhasal as per details given below:

Sl. No.	Description	Qty. reqd.	Rate per Unit
1	As per list and drawings enclosed	As per our requirement	
Taxes if any:			

The quotations should reach this office by not later than 3.00 P.M. on 16.11.2016. The envelope containing the quotation should be superscripted as "**Quotation for "Supply & Installation of micro-irrigation (drip irrigation) system in banana plantation at ICAR-IIWM research farm at Deras, Mendhasal"**". Quotation received without this superscript will have the risk of not being considered. The quotation received will be opened on **same day at 3.30 P.M.** Quotations received after the specified date & time will not be considered at all.

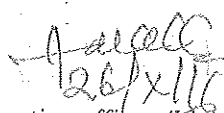
**The suppliers should satisfy the following terms and conditions:**

1. The rate quoted should be valid for a minimum period of 180 days from the last date of receipt of quotations.
2. Rate quoted should include for **delivery and installation charges at ICAR-IIWM Research Farm, Deras, Mendhasal, Khurda**. The agency quoting price for the components of drip irrigation system is required to submit the BIS/ISI certification.
3. Please mention this office reference No. and the dates on the top of envelope without fail.
4. Complete specification of the article quoted should be given in the quotation alongwith illustrated pamphlets, drawing etc. if available.

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5. If taxes, duties or any other charges over and above the rate quoted are payable by the purchaser, actual/percentage of such taxes, duties of charges should be separately and clearly indicated. Please note that this Institute is entitled to concessional sales tax applicable to educational and research Institute/laboratories etc. against declaration form. Sales Tax Registration No. and date may be indicated in the quotations.
6. In case, any of the items mentioned in the schedule are covered Rate Contract with DGS&D rate contract. No. and date may be specified. A copy of the rate contract is to be enclosed with the tender.
7. We desire to have articles of indigenous make if indigenous make is not available, foreign made articles can be quoted, provided payment is acceptable in Indian currency.
8. Articles listed in the schedule are required immediately.
9. Specific mention should be made as to whether delivery would be from ready stock or would have to be acquired/imported (and in the later case).
10. Quotations should be completed in all respect such as minimum quantity of supply, specifications, unit, rate, amount mode of dispatch etc.
11. As per Govt. of India norms, all payment are to be made through Electronic Mode as such bank details like A/c No., Name of the A/c Holder, Branch Name & Address, IFS Code etc. may be given in the final bill after satisfactory completion of the supply/installation and demonstration.
12. Enquiries regarding rate will not be entertained. Prices once quoted are final and no negotiation whatsoever shall be allowed.
13. Earnest money deposit of 5% of the total value of the quotations will have to be deposited in the form of Bank Draft in favour of the Director, ICAR-IIWM, Bhubaneswar payable at Punjab National Bank, Chandrasekharapur Branch, Bhubaneswar or any nationalized bank alongwith the tender which will be refunded after finalization of tender. The EMD will be refunded without interest.
14. Quotations not complying with the above conditions are liable to be rejected.
15. Quotations shall be submitted only for the articles of the given specification.
16. Please enclose the leaflet and mention the Registration and TIN No. etc. in your tender.
17. In case of the tender is accepted, the successful tenderer will have to deposit performance security of 5% for the total amount in shape of D.D./Bank Guarantee favouring the Director, ICAR-IIWM, Bhubaneswar. The same will be refunded without interest.
18. The Director, ICAR-IIWM, Bhubaneswar reserves to himself the right to accept or reject any or all the quotations either in part or in full without assigning any reason thereof.
19. All disputes including court proceedings shall be settled within the Bhubaneswar jurisdiction only.

Yours faithfully,

  
Administrative officer (I/c)

Copy to:

✓ Dr. A.K.Nayak, Sr. Scientist and Incharge AKMU, ICAR-IIWM, Bhubaneswar for information & uploading in the ICAR-IIWM web site as well as in Central Public Procurement Portal.

**LIST OF ITEMS**

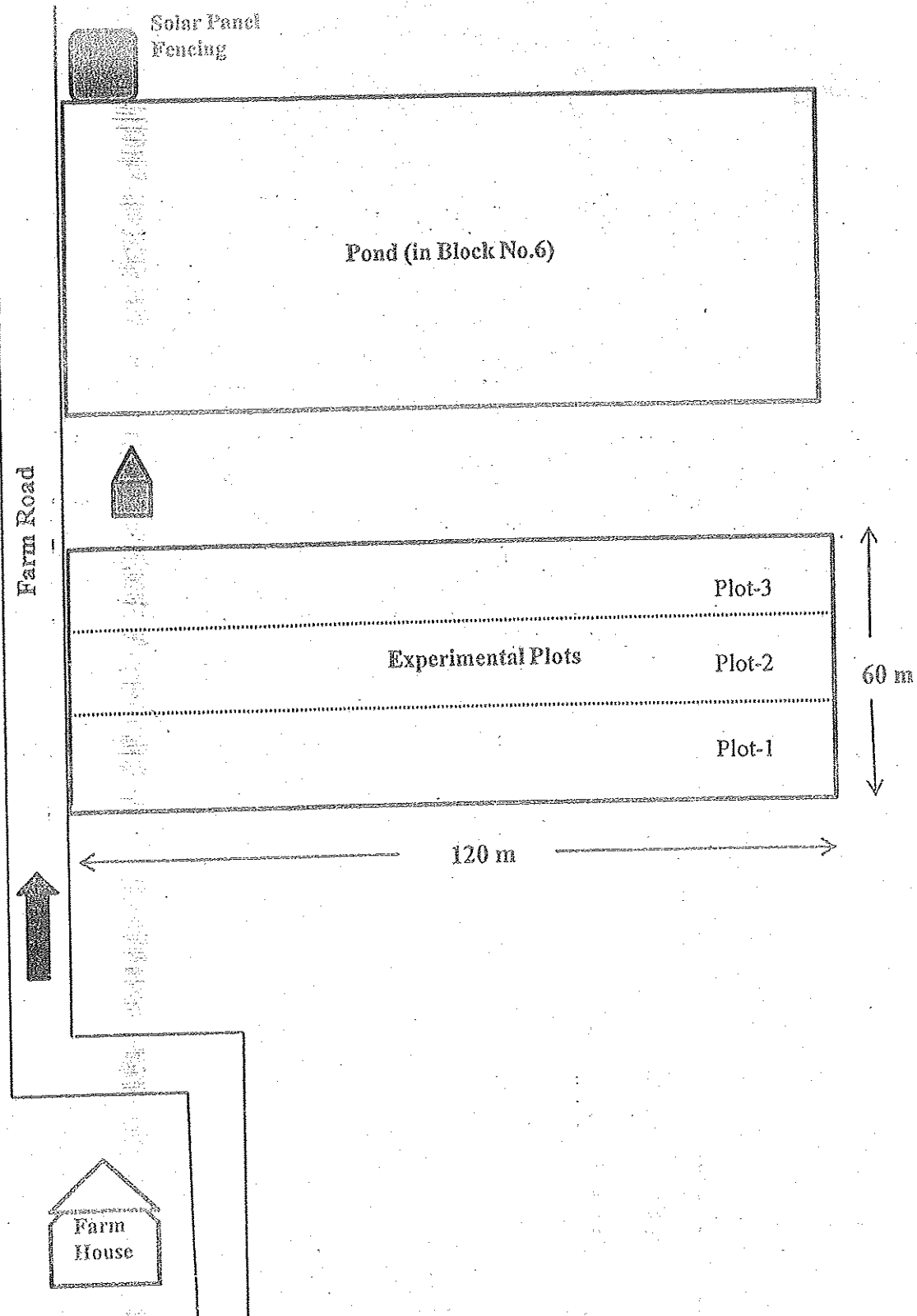
Sl. No.	Items with technical specification	Quantity	Unit price (₹)	Total price (₹)
1	Controller to schedule four time-based and one soil moisture sensor-based automatic irrigation regimes, with at least one year free service	1 or as required to schedule irrigation		
2	Soil moisture sensor with at least one year free service	1 no.		
3	Solenoid valve	5 nos.		
4	Water meter	5 nos.		
5	1.5 mm single core multi-std wire	200 m		
6	2.5 mm single core multi-std wire	200 m		
7	PVC pipe (UPVC, 25 mm, 10 kg 6M)	300 m		
8	Online UPS with 1 KVA battery backup	1 no.		
9	MCC Control Panel Auto on/off	1 no.		
10	Fitting and other accessories as required at the site for operation of automatic irrigation system in field	LS		
11	PVC Pipe (63 mm x 6 kg/cm <sup>2</sup> )	300 m		
12	PVC Pipe (50 mm x 6 kg/cm <sup>2</sup> )	660 m		
13	Lateral pipe (Black colour, 16 mm)	1200 m		
14	Drip emitters (4 lph)	2000		
15	Grommet take off (16 mm)	70 nos.		
16	End cap (16 mm)	70 nos.		
17	Control valve (50 mm)	6 nos.		
18	Flush Valve (50 mm)	5 nos.		
19	Screen filter (25m <sup>3</sup> /hr)	2 set		
20	Sand filter (25 m <sup>3</sup> /hr)	2 set		
21	Manifold GI + GMV	2 set		
22	PVC Non Return Valve (63 mm)	2 nos.		
23	Double Action Air/Vacuum Release Valve (1")	2 nos.		
24	Water meter (63 mm)	5 No		
25	Pump (2 hp, single phase, 25-30 m head)-submersible, branded with all accessories required to run the pump as per the site condition	2 set		
26	Fittings and accessories required for successful installation and operation of the drip irrigation system at the site	2 set		
27	Trenching and refilling of soil to put main & sub main pipe line and cabling for controller at 0.50 m depth	1200 m		
28	Construction of base with cement concrete for head unit (pump, filters etc.) as required	2 nos.		
29	Installation Charge	LS		
<b>Total cost</b>				

**Note:** Before quoting the price, the agency may visit the experimental site of banana plantation at ICAR-IIWM research farm at Deras, Mendhasal where the delivery of material and installation of the drip irrigation system has to be done. The proper installation and successful operation of the system in banana plantation at the above site is required for completion of the work.

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28/11/16



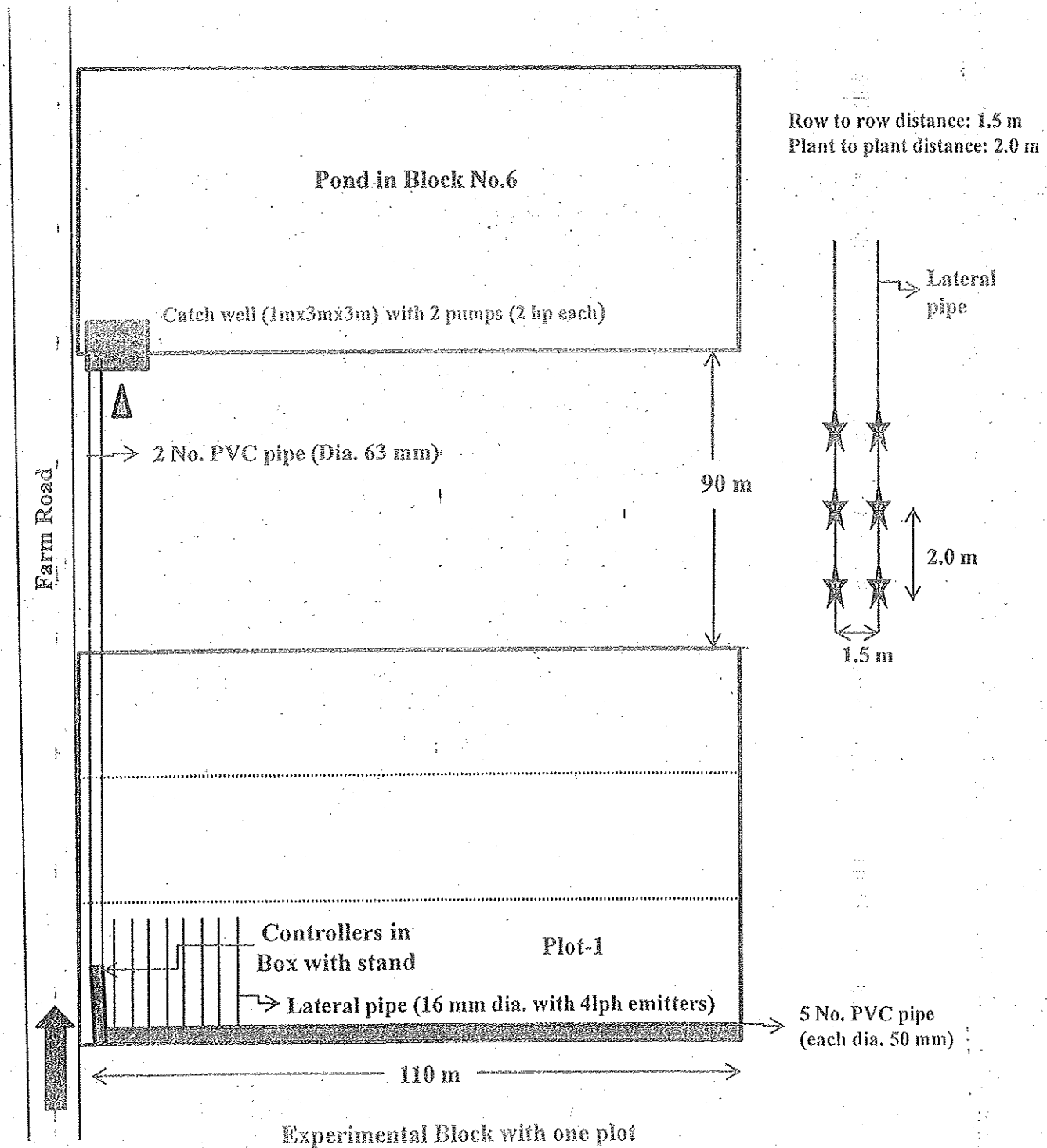
LOCATION MAP OF THE EXPERIMENTAL SITE IN BLOCK NO.6  
OF ICAR-IIWM RESEARCH FARM AT DERAS, MENDHASAL



*Sketch is not upto scale*

*Ryru*

# LAYOUT OF AUTOMATIC MICROIRRIGATION (DRIP IRRIGATION) SYSTEM FOR BANANA PLANTS IN DERAS RESEARCH FARM



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*[Signature]*