



राष्ट्रीय अंगूर अनुसंधान केन्द्र

(भारतीय कृषि अनुसंधान परिषद)

डाक पेटी नं. 3, मांजरी फार्म डाकघर, सोलापूर रोड, पुणे – 412307, भारत

NATIONAL RESEARCH CENTRE FOR GRAPES

(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)

P.B. NO. 3, MANJRI FARM POST, SOLAPUR ROAD, PUNE - 412 307, INDIA

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F. No. NRCG / 5(429) / 2013–Stores

Date: 05.05.2014

To,

Sub:- Upgradation of LAN - Reg.

Dear Sir,

We have a requirement of the goods & services as indicated below, tender for which will be opened at _____ hrs on **20.05.2014** (date) and you are invited to submit your most competitive quotation for the same. All the relevant details are given below:

Description of the goods required and the required quantity:

- As enclosed in annexure – 1.
1. Guiding specification and other technical details :
As enclosed in annexure – 2.
 2. Terms of delivery :
Delivery at site, viz. **National Research Centre for Grapes, Pune.**
 3. Delivery period for goods :
Within **1 (One)** months from the date of the purchase's signing the contract.
 4. Erection / Installation and commissioning (if required, depending on the goods ordered) are to be completed with **7 days** of delivery of the goods at site.
 5. Terms of Inspection by the purchaser's representative :
 6. Training of purchaser's operator(s) for operating the goods ordered, as and if necessary:
_____ Operator(s) is / are to be trained for a period of _____ weeks at purchaser's premises / supplier's premises for successfully operating the goods purchased. The training shall be completed by.....
- Price structure:

- a. The tenderer shall quote for the complete requirement of goods & services and for the full quantity as shown against a serial number in the List of Requirements in Annexure – 1. Unless otherwise specified in Annexure – 1, the tenderers are, however, free not to quote against all the serial numbers mentioned in the List of Requirements (in case there are more than one serial number in the List of Requirements.).
- b. The rates and Prices quoted shall be in Indian Rupees only.

- c. All duties, taxes and levies payable by the supplier under the contract shall be included in the quoted price. The purchaser will not pay any such duties, taxes and levies separately.
- d. The rates and prices quoted by the supplier shall remain firm and fixed during the currency of the contract and shall not be subject to variation on any account, whatsoever, including statutory variations, if any.

7. Receipts of goods & Terms of payment :

- a. Payment term for supply of goods, including erection / installation and commissioning (as and if applicable).

Immediately on receiving the goods at site, the purchaser will verify the quantities of the items supplied as specified in the delivery challan of the supplier and also check for any superficial damage etc. in the goods so supplied and issue a provisional receipt accordingly. If the goods supplied do not require erection / installation and commissioning at site, the purchaser, within three working days of issue of the provisional receipt, will issue acceptance certificate (of the goods) to the supplier, provided the goods supplied also need erection / installation and commissioning, the purchaser will issue acceptance certificate within two working days, after successful erection / installation and commissioning. The supplier will then send its invoice along with the purchaser's acceptance certificate and other accompanying documents to the paying authority for payment.

The paying authority will release the full payment to the supplier as due in terms of the contract, within seven working days of receipt of supplier's invoice, purchaser's receipt certificate and other accompanying documents, provided the same are in order.

- b. Payment for training of purchaser's operator(s), if applicable.

After release of payment to the supplier as per sub – para (a) above and after successful completion of training of the operator(s) in terms of the contract, the purchaser will immediately issue a certificate to the effect to the supplier. The supplier will be thereafter send its invoice for training charges, along with the above certificate to the paying authority. The paying authority will release the payment to the supplier in terms of the contract within seven working days of receipt of supplier's invoice provided the invoice and the accompanying documents are in order.

8. Paying Authority :

9. Liquidated Damage Clause :

If any time during the performance of the contract, the supplier encounters conditions hindering timely delivery of the goods, the supplier shall promptly inform the purchaser in writing the fact of the delay and the likely duration of the same. After receipt of supplier's communications, the purchaser shall decide as to whether to cancel the contract for the un – supplied portion after the existing delivery period, or to extend the delivery period suitably by issuing an amendment to the contract. If the supplier fails to deliver the goods and / or perform the services within the contractual delivery period for reasons other than circumstances beyond supplier's control (which will be determined by the purchaser) and the purchaser extends the delivery period, the purchaser will also deduct from the contract price, as liquidated damages, a sum equivalent to 0.5 % (half percent) of the delivered price of the delayed goods or

unperformed services for each week delay or part thereof until actual delivery or performance. The maximum limit of such deduction will, however, be 10% (10 percent) of the contract price of the delayed goods or services.

Further, during such delayed period of supply and / or performance, the supplier shall not be entitled to any increase in price and cost, whatsoever, on any ground. However, the purchaser shall be entitled to the benefit of any decrease in price and cost on any ground, whatsoever, of the goods & services, supplied during the period of delay.

The purchaser's letter (to the supplier, with copies endorsed to others concerned) extending the delivery period will be subject to the above conditions.

10. Warranty Clause :

11. Dispute Resolution Mechanism :

If any dispute or difference arises between the purchaser and the supplier relating to any matter connected with the contract, the parties shall make every effort to resolve the same amicably by mutual discussions. However, if the parties fail to resolve the dispute or difference by such mutual discussion within 30 days, either the purchaser or the supplier may give notice to the other party of its intension to refer the same to arbitration. The arbitration shall commence thereafter. The arbitration shall be conducted by a sole arbitrator, who will be appointed by the Secretary, ICAR and the procedure to be followed in this respect will be as per the Indian Arbitration and Conciliation Act, 1996. The venue of the arbitration shall be the place from where the contract is issued.

12. You are also required to fulfill the following conditions and furnish the details as indicated in subsequent paragraphs.

- a. At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to 25%, the quantity of goods & services as specified in the List of Requirements, without any change in the unit price or other terms & conditions.
- b. Please furnish a certified copy of your latest ITCC (Income Tax Clearance Certificate).
- c. Please indicate if you are currently registered with any Govt. organization and if registered, furnish all relevant details.
- d. Please state whether business dealings with you presently stand banned by any Government organization and if, so, furnish relevant details.
- e. A supplier shall not submit more than one quotation for the same set of goods.
- f. The supplier shall at all times indemnify the purchaser, at no cost to the purchaser, against all third party claims of infringement of patent, trademark or industrial design rights arising from the use of the goods or any part thereof, with respect to the goods quoted by the supplier in its offer.
- g. The quotation(s) as well as the contract shall be written in English language. All correspondence and other documents pertaining to the quotation(s) and the contract, which the parties exchange, shall also be written in English.
The quotations and all correspondence and documents relating to the quotation exchanged between the bidder and the purchaser may also be written in Hindi

language provided that the same is accompanied by an English translation, in which case, for the purpose of interpretation of the quotation, the English translation shall govern.

- h. The contract shall be governed by the laws of India and interpreted in accordance with such laws.
 - i. The quotation / offer shall remain valid for acceptance for a period **not less than 180 days** after the specified date of opening of the offers.
1. The quotations shall be sealed in an envelope. The envelope shall be addressed to the purchaser and it should also bear the tender enquiry No. and the words **“DO NOT OPEN BEFORE 20.05.2014*** (* The time and date of opening of the tenders). This envelope should then be put inside another envelope, which will also be duly sealed. The outer envelope will bear the full address of the purchaser. The supplier must ensure that its tender (i.e. quotation), duly sealed as above, reaches the purchaser at least one hour before the time and date of opening of tenders. The supplier may, all its choice, send the tender by registered Post or by speed post. Alternatively, the supplier may also hand deliver the tender to the purchaser in which case the purchaser shall give the supplier a receipt, indicating the time & date of receipt of the tender.
 2. The tenders, which are received late by the purchaser will be ignored. Further, the purchaser does not accept any liability and responsibility for the tenders in case the same are not properly sealed & marked and / or sent as above.
 3. The tenders, which are received on time (as per Para 3 above), will be opened at purchaser's office at _____ hours on _____ (date). The purchaser will open the tenders in the presence of the tenderers duly authorized representatives, who choose to attend the tender opening.
 4. The purchaser will evaluate and compare the quotations which are substantially responsive i.e. which are properly prepared & signed and meet the required terms, conditions, specifications etc. The purchaser will award the contract to the supplier whose quotation will be determined to be responsive and offering the best evaluated price.
 5. Notwithstanding the above, the purchaser reserves the right to accept or reject any quotation or annual the tendering process and reject all quotations at any time prior to award of the contract, without assigning any reason, whatsoever, and without incurring any liability or obligation, whatsoever, to the affected tenderer or tenderers.
 6. Please submit your quotation accordingly. You shall sign all the pages of your quotation. Your price quotation may be furnished in the format enclosed as Annexure – 3. You are also required to return this original tender enquiry (all the pages), as it is, duly signed by you on every page, for our record. You may retain a photocopy of this tender enquiry for your record.

Enclosure: Annexure 1, 2 & 3.

.....
Administrative Officer

(Signature of the Purchaser)

Address: National Research Centre for Grapes, Pune.

Tel: +91-20-26956000 (EPABX), Fax: +91-20-26956099

LIST OF REQUIREMENTS

Installation and commissioning of existing equipment and purchase, installation, configuration of equipment required for fully functional LAN based on user requirements as per following proposal.

Sl. No.	Name of Lab./Office Equipment/Instrument with complete and clear specification	Qty.
1	<p>Purchase of following networking items</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. Quotations should clearly mention make and model of the items / equipment along with the specification / features deta sheet). Devices should be IPv6 enabled. 2. In addition to the following specifications, the equipment should be of single OEM make and need to be compatible for configuration to existing Firewall of Make Watchguard XTM 505 and its associated Security Bundle to enable implementing of multi-WAN, IPSec VPN failover, Server Load Balancing, VLAN, Policy- based routing etc. 3. The firm may visit the site and discuss before giving their quotation for requirements. 	
2.	24 Port Gigabit Ethernet Network Switch, Rack Mount type (10/100/1000) Mbps, Manageable, Layer 2 Grade with Integrated Fiber Ports preferably of Make D-Link	1
3.	Single Port Information Outlet with Face Plate and Back Box, preferably of Make D-Link.	16
4.	24 Port Patch Panel, Loaded, CAT 6 Grade, preferably of Make D-Link	1
5.	8 Port Gigabit Ethernet Network Switch, Rack Mount type (10/100/1000) Mbps, Manageable, Layer 2 Grade with Integrated Fiber Ports Make D-Link	1
6.	CAT 6 Grade Patch Cords, 1 Mtrs Factory crimped, preferably of Make D-Link	24
7.	Fiber Optic Cable (FOC), Single Mode, 6 Core, Unitube, preferably of Make D-Link (quote for per meter cost) (Approximately 1000 mtrs of FOC. Final length required will be calculated as per actuals)	1000
8.	HDPE Pipe (40 mm) of good quality and brands with ISI mark (like Finolex) for Laying of FOC under-ground Cable (quote for per meter cost) (Approximately 1000 mtrs of HDPE pipe. Final length required will be calculated as per actuals)	1000

B. Works (as per the attached plan)and details of items		
9.	* Supply of Casing-n-Cappingmaterial with ISI mark /PVC Pipe and fitting of casing and capping for extension of LAN to new nodes Quote for per meter cost (Approximately 500 mtrs of PVC. Final length will be calculated as per actuals) a. Casing and capping shall be of good quality PVC, free from defects like deformations, unevenness, blisters, cavities, etc. b. The casing shall be of square or rectangular body with top of the side walls suitable for tightly fitting slide-in type capping with double grooving. All surfaces shall have smooth finish inside and outside	500.00
10.	Installation and Punching of SM Box with IO	104.00
11.	* Laying of CAT 6 Grade Cable Quote for per meter cost (*Final charges will depend on actuals)	900.00
12.	Installation, Mounting of Racks, Rack Dressing, Patch Panel Fixing and Punching, installation of other networking items, Ferulling along with Documentation of cable layout in hard copy format (Quantity of h/w and location as per the plan attached)	1
13.	* Digging and Resurfacing of Soft/Hard Soil with Laying of OFC through HDPE Pipe, including Wall mounting of HDPE/OFC Cable as required (Mtrs)	1000
14.	Splicing and Fibre Termination of FOC with no signal loss. Signal loss need to be checked and shown. (Quantity of h/w and location as per the plan attached)	As per the plan attached
15.	Configuration of LAN Devices as per following specs. :- a) Correct earthing must be provided. When installing and terminating fibre-optic cable, it is important to follow the cable manufacturer's instructions, especially with regard to bending radius and tensional loading. Moreover, the installation firm should carry out a survey and final testing (post termination test) of fibre-optic cable before hand-over. b) Laying of CAT6 cable with PVC pipe and its termination with switches and I/O boxes c) Installation, stacking, policy configuration and security implementation of switches with Active Devices for all L2 Managed Gigabit Switches with existing NRCG LAN equipment along with documentation. d) Configuration and training of Watchguard XTM 505 for monitoring and performance of the network in tandem with new installation of managed network devices. Implementation of VLANs for improvised performance as per organizational requirements (details will be specified at the time of implementation) e) Demonstration and training at site on Network Management Systems and Devices. f) Complete Documentation of the entire Job Work with Cable Layout diagrams and Configuration Diagrams of Active Devices in soft and hard copy format.	1

	<p>g) Configuration of computers in the LAN with networking devices and its configuration with the existing Windows Server 2008.</p> <p>h) Configuration of existing and new devices in LAN from IPv4 to IPv6.</p> <p>The firm should give quotation for installation, configuration and commissioning of all the required networking items and works to create a fully functional extension of LAN to the preexisting LAN at NRC for Grapes. The firm may visit the site and discuss before giving their quotations for the requirements.</p>	
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Proposed new LAN nodes

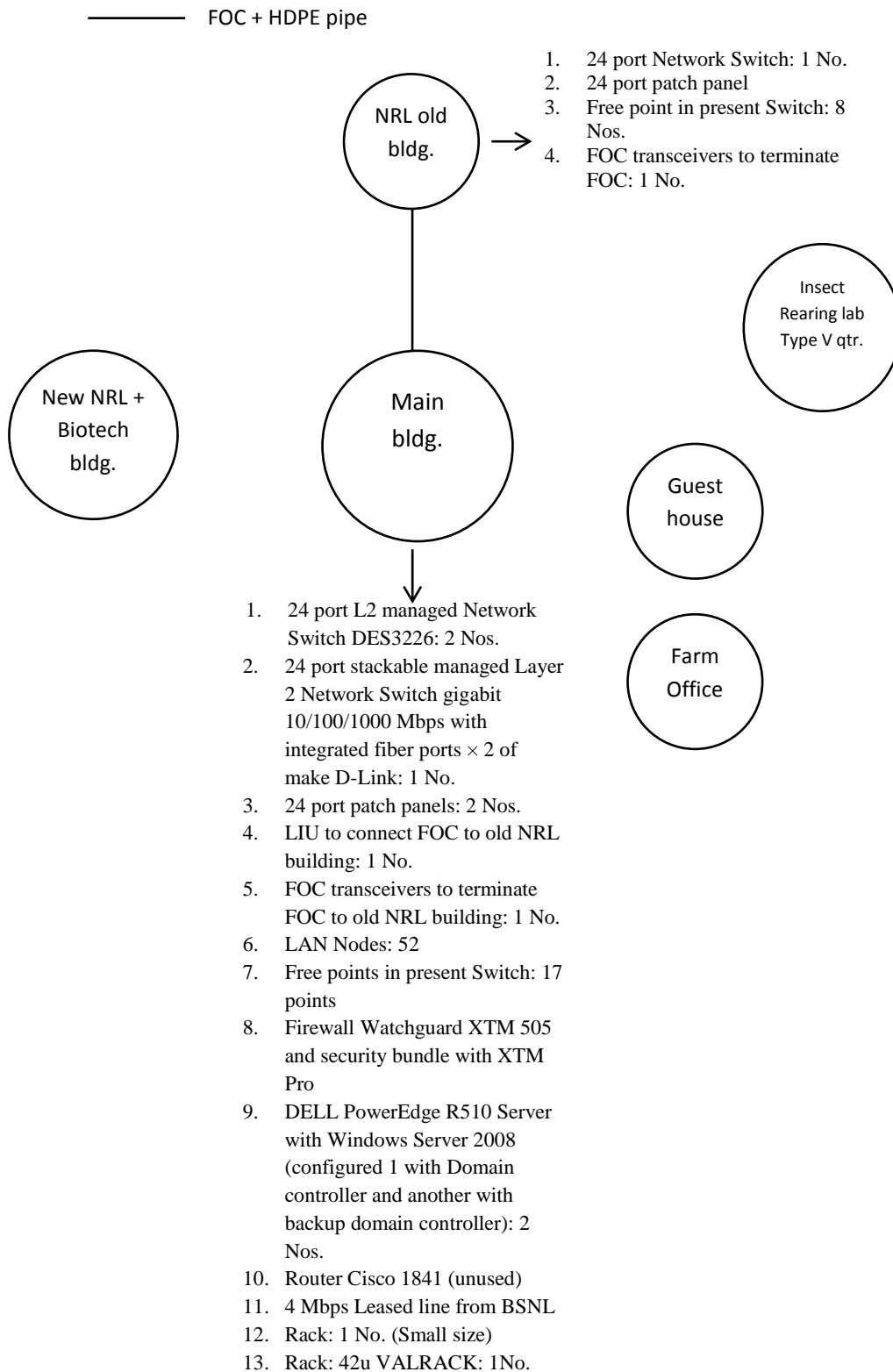
Building structures:

- 1) Farm office and Guest house building
- 2) New NRL + Biotech building
- 3) In the present main building where LAN points are presently not available but required
New LAN nodes need to be created as per following list

S.No.	Lab Name	Total LAN points	Number of points required	Location
1.	Radio tracer room	3	3	Scientist cabin (1)
				Instrument room (1)
				Sample preparation room (1)
2.	Cash and bill section	5	2	Store
3.	Establishment	2	1	Network printer
		0	1	Computer
4.	Library	10	10	Library
5.	Horticulture-I	1	1	Hort.I lab
6.	PHT	1	1	PHT lab
7.	Computer Lab.	3	3	Computer room
8.	Soil Science	2	1	AAS room
			1	ICP-MS room
9.	Entomology	7	7	Entomology
10.	Entomology-Environmental chamber situated at Type V quarter	2	2	Walk-in Environmental chamber situated at Type V quarter
11.	Plant Pathology	4	2	Plant Pathology
	Biocontrol lab.		2	Biocontrol lab.
12.	NRL (old building)	6	6	Staff room
13.	Farm office	5	5	

S.No.	Lab Name	Total LAN points	Number of points required	Location
14.	Guest house	14	2	At reception area
			6	In different rooms
			6	Future provisions
15.	New NRL+Biotech building	44	24	NRL different rooms
			20	Biotech different rooms
16.	Physiology	4	4	In the labs
	Total	113		

Present LAN with networking items



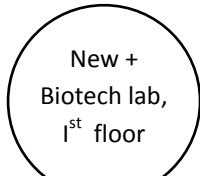
Proposed Plan for installation of networking items for LAN setup

FOC + HDPE pipe
 Cu cable with backup + HDPE pipe

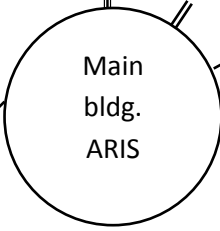
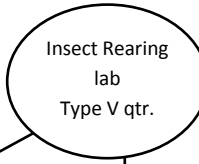
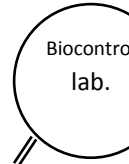
1. Single Port Information Outlet with Face Plate: 2 Nos.
2. CAT6 grade patch cords 2 or 5 m: as per requirement.
3. Creation of LAN nodes: 2 Nos.

1. Single Port Information Outlet with Face Plate: 6 Nos.
2. CAT6 grade patch cords 2 or 5 m: as per requirement.
3. Creation of LAN nodes: 6 Nos.

New Bldg.
NRL + Biotech



Already exists
FOC

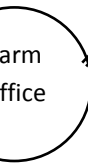


1. 8 Port Network Switch: 1 No.
2. Optical Fibre Transceivers: 1 No.
3. 24 Port Rack Mount LIU : 1 No.
4. Single Port Information Outlet with Face Plate: 2 Nos.
5. CAT6 grade patch cords 2 or 5 m: as per requirement
6. Creation of LAN nodes: 2 Nos.

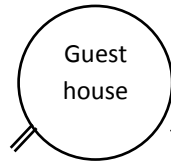
1. 24 Port Network Switch: 1No. (ARIS lab)
2. Optical Fibre Transceivers: 2 Nos.
3. 24 Port Rack Mount LIU : 1 No.
4. Single Port Information Outlet with Face Plate: 34 Nos.
5. 24 Port Patch Panel: 1 No.
6. CAT6 grade patch cords 1 m : 24 Nos.
7. CAT6 grade patch cords 2 or 5 m: as per requirement.
8. 8 Port Network Switch (Stores / Library): 1 No.
9. Creation of LAN nodes: 42 Nos.
10. Configuration of existing firewall Watchguard XTM 505 and its associated security bundle for VLANs as per requirement. Facility for monitoring internet bandwidth utilization

1. 24 Port Network Switch: 2Nos.
2. 24 Port Patch Panel: 2 Nos.
3. Optical Fibre Transceivers: 1 No.
4. 24 Port Rack Mount LIU :1 No.
5. Wall mount rack 9 u: 1 No.
6. Single Port Information Outlet with Face Plate: 44 (24 NRL+20Biotech Nos.
7. CAT6 grade patch cords 1 m: 48 Nos.
8. CAT6 grade patch cords 2 or 5 m: as per requirement
9. Creation of LAN nodes: 44 (20+24)Nos.

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ining security and management



1. 24 Port Network Switch: 1No.
2. 24 Port Patch Panel: 1 No.
3. Optical Fibre Transceivers: 2 Nos.
4. 24 Port Rack Mount LIU : 1 No.
5. Wall Mount Rack Size 6u: 1 No.
6. Single Port Information Outlet with Face Plate: 5 Nos.
7. CAT6 grade patch cords 2 or 5 m: as per requirement
8. Creation of LAN nodes: 5 Nos.



1. Single Port Information Outlet with Face Plate: 14 Nos.
2. CAT6 grade patch cords 2 or 5 m: as per requirement
3. Creation of LAN nodes: 14 Nos.

Notes:

1. Copper cables need to be laid in HDPE pipe with 2-3 cables as an alternate backup

Special Instructions (if any):- - * The Limited Tender Enquiry duly completed in all respect along with **EMD Rs. 11000.00 (Rupees Eleven Thousand Only)** in the form of A/C. payee Demand Draft drawn in favour of **“ICAR – Unit, NRC for Grapes,” Pune** should reach on or before **20.05.2014**, without EMD, the tender enquiry will not be considered.

**SPECIFICATIONS & OTHER TECHNICAL DETAILS
OF THE ITEMS AND SERVICES (SHOWN IN ANNEXURE – 1)**

Format of Price Quotation

Sr. No.	Description of Goods & Allied Services	Specifications	Accounting Unit	Quantity	Quoted Unit Price in Rupees		Total Amount in Rupees
					In Figures	In Words	

Grand Total Cost: Rs._____