

	TENDER DOCUMENT FOR HORTICULTURE AND LANDSCAPE WORK	GIA-013 Version : 01 Date : 06/08/2013
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RAJASTHAN DRUGS & PHARMACEUTICALS LIMITED

Road no. 12, V.K. I Area, Jaipur- 302013

Ph.: 0141-2330618, 2330740, Fax: 0141-2330461

Email: purchase@rdpl-india.in

Tender for HORTICULTURAL & LANDSCAPING WORK

Sealed tenders are invited for horticulture and land scaping work. . Interested parties may obtain tender documents with detailed specifications and commercial terms and conditions from Manager (Materials) on any working day up to 24/08/2013 on payment of Rs. 1000/- (Rs. One thousand only) in cash/ Demand draft in favor of “Rajasthan Drugs & Pharmaceuticals Ltd.” payable at Jaipur. Tender duly completed with requisite documents and earnest money of 25000 /- (twenty five thousand only) as Demand draft in favor of “Rajasthan Drugs & Pharmaceuticals Ltd.” payable at Jaipur, must reach the undersigned up to 3 PM on 28.08.2013.. The technical bid shall be opened at 4.00 PM on the same day in presence of representatives of the bidders if available. The date of opening of financial bid of the technically qualified bidders will be informed later on. **The company reserves the rights to accept or reject any offer without assigning any reason.** For further details, please visit our website: www.rdpl-india.in.

Factory Manager

Date – 06/08/2013

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Rajasthan Drugs & Pharmaceuticals Limited

Road No. 12 V.K.I.Area Jaipur - 302 013
Phone: - 0141-2330509,2330618,2330740,2332008
Fax : - 0141-2330461
Website: www.rdpl-india.in ,
E-Mail. :purchase@rdpl-india.in

1. SCOPE OF HORTICULTURAL & LANDSCAPING WORK

Details of Work required being under this contract at
RAJASTHAN DRUGS & PHARMACEUTICAL LIMITED, JAIPUR

Note : Before quoting the rates ,the contractor should inspect the Horticultural & Landscaping site as well office premises of RDPL Jaipur at this our cost.

HORTICULTURAL WORK:-

The purpose of horticultural & landscaping work is that the whole RDPL premises must look rich with lush green lawn and park and beautiful flowers so as to provide an excellent ambience of work - environment and at the same time makes the RDPL premises environmental friendly and makes a good impression on the all our valued visitors and public who visit here for various purposes . The contractor has to undertake all such jobs / activities required to develop & maintain the RDPL premises in a presentable condition and in above mentioned spirit at all the times whether such activities are elaborated hereunder or not While undertaking this work, the contractor will develop the parks and lawns at the open space at the backyard of RDPL premises in consultation with the horticulture consultant & designated officer of RDPL

Development of lawns & parks. He will also develop nursery for seasonal and perennial type of flowers and plants.

. The other normal job in this regard would be:

(A) To maintain all the trees, plants, shrubs, and lawn as are existing or to be planted on the date of start of contract and plantation work to develop new lawn / park / plants to be developed thereafter the new landscaping

(B) To plant trees, shrubs etc. by excavation / digging as and when required in the interest of the beautiful maintenance of ambience / park/ lawn of RDPL Jaipur

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(C) To prepare and maintain flower beds, seasonal and perennial both depending on our needs

(D) To prepare and maintain flowers and plant pots with flowers and plants both indoor and outdoor at designated [places to be decided in consultation with the designated officer / consultant horticulturist.

(E) Cutting of grass in lawn, pruning of plants at required intervals and removing the waste to the proper place.

(F) Regular watering of grass, lawn, trees, plants, shrubs etc and hoeing and weeding in and around them.

(G) Spraying of insecticides and fungicides application / spreading of chemicals and manure as and when required / advised.

(H) Any other job which is required to make the RDPL campus from Horticultural point of view beautiful with lush green environment.

(I) The gardener should demonstrate own initiative for horticultural up gradation of RDPL premises. Seasonal plan(s) for the same should be prepared and submitted to the designated officer / consultant horticulturist.

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2.TENDER

1. Tender for procurement of horticultural material along with providing of Manpower to execute Horticultural Landscaping Work in supervision of consultant/RDPL authority As per G Schedule attached with Tender Form

2. RDPL cash recipe No..... Dared.....
(If tender purchased from RDPL office)

3. Tender Form may be down - loaded from our web-site and a Demand Draft of **Rupees One Thousand, in favor of "RAJASTHAN DRUGS AND PHARMACEUTICALS LIMITED"** payable at Jaipur to be attached at the time of deposit of Tender Form

(Please note that Tender will not be accepted without Tender Fee)

4. **Details of Tendering Organization: -**

Name of Firm:-

.....

Postal address in full in capital letters: -

.....

.....

Telephone

Telex

Fax No

E mail ID

5. **Man Power Details to be attached on separate sheets per mentioned below**

<u>Name</u>	<u>Designation</u>	<u>Phone</u>	<u>Mobile</u>	<u>E Mail. Id</u>
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6. **Tender value will be approx. Rs. 25.0 lacs**

7. **Detail of the Earnest Money Deposit Deposited:-**

DD in favor of Rajasthan Drugs & Pharmaceuticals Limited

Payable at Jaipur.

Name of Bank

Demand Draft No. Dated.....

Amount Rs. 25000/- (Twenty five thousand only)

9. **Details of Contractor main controlling persons**

Name

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Phone No
 Mobile No
 E mail .ID.....

10. Details of projects till date along with completion Certificates (to be attached in technical bid)

The bidder who has executed minimum Two project of Horticultural & Landscaping and allied Project handled of Minimum Fifteen Lac each shall be eligible to participate in tender. The list of clients along with completion certificate, Name and contact details of the person should be submitted along with technical bid.

11. Please Submit the Photocopies of

- PAN Number
- TIN Number
- Detail of Work Orders Along With List on Paper
- E.S.I Registration Number
- Service tax No.....
- Registration Certificate of Labor Department
- Pesticide & Fertilizer Licenses

14. Any Other information you want to provide

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2.1 Tender Form

Rajasthan Drugs & Pharmaceuticals Limited

Road No. 12 V.K.I.Area Jaipur - 302 013

(Horticultural & Landscaping Work – 2013 - 2014

Date of Sale of Tender Documents From 06 /08/2013

Last Date of Submission of Tender :- 03 PM on 28/08/2013

Date of Opening of Tender :- 04 PM on 28/08/2013

Cost of Tender Form: Rupees 1000/

Phone : - 0141-2330509,2330618,2330740,2332008

Fax : - 0141-2330461

Website: www.rdpl-india.in ,

E Mail.-:purchase@rdpl-india.in

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2.2 TERMS AND CONDITIONS OF TENDER

1. Tenders are invited to submit tender form, which shall contain the information about the tender in two bid system 1). Technical Bid, 2). Financial Bid.

Technical Bid contains, 1.Tender fees, 2. Experience documents (information of work order copy with satisfactory performance report) 3. Demand draft of Rs. 25000/- for EMD.

Financial Bid contains, (Price Bid in attached format)

Experience & past performance in the execution of similar contract (S), Capability with respect to personnel, equipments, capacities, price Quotations **Demand Draft** of Tender Form Fees & Earnest Money Deposit as Mentioned in the NIT in favor of **Rajasthan Drugs & Pharmaceuticals Limited payable at Jaipur** Along with offer rates in given Financial Bid Format.

2. Horticultural & Landscaping Work to be completed by Contractor within 6 month from the date of agreement.
3. Contractor must have Experience of having Minimum Two Horticultural, Landscape and allied similar works not less than Rs FIFTEEN LACS (Rs .1500000/-) in last three years. Document should be attached along with technical bid
4. The contractor will be responsible for the execution of Horticultural & Landscaping work as per accordance with G Schedule.
5. The contractor will replace the dead / damaged / under growth plants & Plant material free of cost.
6. The contractor will perform all Horticultural & Landscaping work in Accordance with RDPL horticulture consultant
7. Rajasthan Drugs & Pharmaceuticals Limited full reserves the right to accept or reject any / all / part of Tender without providing any justification.
8. Contractor must Signature with Seal of Organization below on each Page of Tender Document.

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9. An agreement for this work shall be executed on Rs. 100/- non judicial stamp paper between contractor and RDPL. Jaipur. after acceptance of work order. The stamp paper fees shall be borne by the bidder.

10. SETTLEMENT OF DISPUTE (ARBITRATION)

All disputes and differences of any kind whatever arising out of or in connection with the contract or the carrying out of the works, whether during the progress of the works or after their completion and whether before or after the determination or breach of the contract, shall be referred to INTERNATIONAL CENTRE FOR ALTERNATIVE DISPUTE RESOLUTION having its office at plot no.6 ,vasant kunj institutional area , phase –ii ,New Delhi-110070 and its decision/ award shall be binding on both the parties.

In case either party fails to accept the award of the arbitrator the other party may refer the matter to the court of law having jurisdiction at Jaipur only.

- 11. You will take care of Company's property while working at our site & will be liable to compensate any damages thereof
- 12. Water, Electricity will be provided by RDPL free of cost.
- 13. You shall take care of the safety of your tools & tackles at our site & Company shall not be responsible for any loss
- 14. You shall arrange all tools & tackles for carrying out the work yourself.
- 15. Deduction of PF, ESI, TDS and other govt. levies if applicable shall be deducted from your bills as per the govt. rules.
- 16. Liquidated damage :- delay in execution of work will attest pendty @ ½% per work to a box 5% which shall be rec for the contractor from his bills.
- 17. Rates should be quoted inclusive of all taxes heeding, shrfor at site.
- 18. No escalation shall be allowed on quoted ate.

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19. Time in the essence of contract. The sties work in to be completed within 6 month for the date of agreement.

3. STAGES OF THE HORTICULTURAL AND LANDSCAPING PROJECT

Stages	% of total amount
3.1 Preparation of land A) Removal of garbage's B) Filling of fresh garden soil C) Intercultural operation D) Fertilization and pest control treatment F) Leveling G) Removal of present plants from present flowering beds H) Removal of dried plants I) Removal of broken cement planters J) Pruning of trees and shrubs	-----%
3.2 Irrigation system A) Drip irrigation in horticulture area B) Popup sprinkler in lawn areas	-----%
3.3 Plantation A) Trees B) Accent trees C) Shrubs D) Edge and hedges E) Ground covers	-----%
3.4 Grass lawn making	-----%
3.5 Beautification and maintenance of the garden area	-----%

4. Payment terms and conditions-

4.1 Payment shall be made in five stages as defined above after completion of each stage. Bidder shall quote stage wise payment in form of % of total amount of

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Horticulture and landscaping work. (Above documents should be placed in financial bid only.)

4.2 10% payment shall be held as performance guarantee which shall be paid after one year from the date of completion of work.

5. BILL OF QUANTITY

DESCRIPTION OF HORTICULTURAL & LANDSCAPING WORK

5.1 Clearing of Horticultural landscape areas

Clearing landscape area including uprooting of rank vegetation, Grass, bushes, wood, trees and saplings of girth up to ground level.

Removal of all rubbish outside the Zone area to dumping yard outside RDPL Premises.

Located /seen by the contractor before quoting the rates.

TOTAL AREA = 20000 square meter

5.2 Disposal of Garbage's

Disposal of all garbage's to be collected and buried in a pit of size 2 M (Depth)x 8 M Length and 8 M Width dug with the help of bulldozer from RDPL Campus.

5.3 Removal of Dried & Unwanted Trees

Dried trees to be removed from root zone minimum 4 Feet's below the soil surface, Cut into pieces so that it is transported easily

Total No = 5

5.4 Preparation of Land

The following steps to be taken as per below

A. Application of chisel plough

Application of chisel plough up to depth of 2.00 to 3.00 Feet's by Cross sloughing.

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Twice

B. Application of Disc Harrow

Application of Disc Harrow up to depth of 1.5 to 2.0 Feet's by Cross plugging.

Twice

(This application to be carried out after adding (MANURE MIXTURE & PESTICIDES FUNGICIDES AS PER OUR recommendations)

C. Application of Leveler

Application of leveler to make uniform surface without any gap & uneven topography

TOTAL AREA = 20000 square meter

5.5 Application of Soil Conditioner for Lawn & Flower Beds

All the soil conditioners to be added at the time of soil preparation.

I. Application of Soil Conditioners

- | | |
|--|--------------|
| 1. Organic Manure (Press Mud) | 2 Kg / Meter |
| 2. Neem / Karanj / Castor Cake Or Mixture of all | 1 Kg / Meter |
| 3. Plant Ash / Powered Clay Soil | 2 Kg / Meter |
| 4. Humic Acid Granules | 25Gm / Meter |

II. Pesticides / Fungicides / Nematicide/ Termaticides

- | | |
|---|--------|
| 1. Pesticide (Phorate 10 % Granule) | 50 Gm. |
| 2. Termaticides (Chloropyriphos 50 % E.C) | 10 MI |
| 3. Nematicide (Carbofuran 3 % Granule) | 20 Gm. |
| 4. Fungicides (Carbendazim 50 % W.P.) | 10 Gm |

TOTAL AREA = 20000 square meter

5.6 Plantation of Trees

Plantation of trees to be done as per details below

A. Digging of Pit

- Dig a pit of size as per below
- | | |
|------------------------|--------|
| 2'x2'Feet / 0.6 Meters | Depth |
| 2'x2'Feet / 0.6 Meters | Length |
| 2'x2'Feet / 0.6 Meters | Width |

Remove all the soil from pit and do splantation of Trees and fill the pit with Mixture of Soil Conditioner & Pesticides/ Fungicides / Nematicide/ Termaticides along with good quality soil

B. Soil Conditioner

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I.	Organic Manure (Press Mud)	10 Kg
II.	Neem / Karanj / Castor Cake Or Mixture of all	05 Kg
III.	Plant Ash / Powered Clay Soil	05 Kg
IV.	Humic Acid Granules	50Gm
V.	Red Earth	05 Kg

C. Pesticides / Fungicides / Nematicide/ Termaticides

I.	Pesticide (Phorate 10 % Granule)	100Gm
II.	Termaticides (Chloropyriphos 50 % E.C)	20 MI
III.	Nematicide (Carbofuran 3 % Granule)	50 MI
IV.	Fungicides (Carbendazim 50 % W.P.)	20 Gm.

After transplantation stacking of tree to be done to safe guard the tree.

Irrigation

Irrigate the trees fully and take proper care

Total no of Trees = 216

5.7 Plantation of Shrubs

Plantation of Shrubs to be done as per details below

A Digging of Pit

Dig a pit of size as per below

1.00 Feet / 0.3 Meters	Depth
1.00 Feet / 0.3 Meters	Length
1.00 Feet / 0.3 Meters	Width

Remove all the soil from pit and do transplantation of Shrubs and fill the pit with Mixture of Soil Conditioner & Pesticides / Fungicides / Nematicide/ Termaticides along with good quality soil

B Soil Conditioner

I.	Organic Manure (Press Mud)	01 Kg
II.	Neem / Karanj / Castor Cake Or Mixture of all	200 Gm.
III.	Plant Ash / Powdered Clay Soil	01 Kg
IV.	Humic Acid Granules	50 gm.
V.	Red Earth	01 Kg

C Pesticides / Fungicides / Nematicide/ Termaticides

I.	Pesticide (Phorate 10 % Granule)	10Gm
II.	Termaticides (Chloropyriphos 50 % E.C)	10 MI
III.	Nematicide (Carbofuran 3 % Granule)	10 Gm
IV.	Fungicides (Carbendazim 50 % W.P.)	2 Gm

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After transplantation stacking of Shrubs to be done to safe guard

Irrigation

Irrigate the Shrubs fully and take proper care.

Total No of Shrubs= 515

5.8 Plantation of Ascent Trees

Plantation of to be done as per details below

A. Digging of Pit

- Dig a pit of size as per below
- 2.00 Feet / 0.6 Meters Depth
- 2.00 Feet / 0.6 Meters Length
- 2.00 Feet / 0.6 Meters Width

Remove all the soil from pit and do transplantation of Ascent Trees and fill the pit with Mixture of Soil Conditioner & Pesticides / Fungicides / Nematicide/ Termaticides along with good quality soil

B. Soil Conditioner

- | | |
|---|-------|
| I. Organic Manure (Press Mud) | 10 Kg |
| II. Neem / Karanj / Castor Cake Or Mixture of all | 05 Kg |
| III. Plant Ash / Powdered Clay Soil | 05 Kg |
| IV. Humic Acid Granules | 50Gm |
| V. Red Earth | 05 Kg |

C. Pesticides / Fungicides / Nematicide/ Termaticides

- | | |
|--|-------|
| I. Pesticide (Phorate 10 % Granule) | 100Gm |
| II. Termaticides (Chloropyriphos 50 % E.C) | 20 MI |
| III. Nematicide (Carbofuran 3 % Granule) | 50 MI |
| IV. Fungicides (Carbendazim 50 % W.P.) | 20 Gm |

After transplantation stacking of tree to be done to safe guard the tree.

Irrigation

Irrigate the Ascent Trees fully and take proper care.

Total no of Plants = 50

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5.9 Plantation of Edges & Hedges

Plantation of Edges & Hedges to be done as per details below

A. Digging of Pit

Dig a pit of size as per below

1.00 Feet / 0.3 Meters Depth

1.00 Feet / 0.3 Meters Length

1.00 Feet / 0.3 Meters Width

Remove all the soil from pit and do transplantation of Edges & Hedges

And fill the pit with Mixture of Soil Conditioner & Pesticides / Fungicides / ematicide/

Termaticides along with good quality soil

B. Soil Conditioner

- | | |
|---|-------|
| I. Organic Manure (Press Mud) | 1 Kg |
| II. Neem / Karanj / Castor Cake Or Mixture of all | 250Gm |
| III. Plant Ash / Powdered Clay Soil | 05 Kg |
| IV. Humic Acid Granules | 20Gm |
| V. Red Earth | 05 Kg |

C. Pesticides / Fungicides / Nematicide/ Termaticides

- | | |
|--|-------|
| I. Pesticide (Phorate 10 % Granule | 20Gm |
| II. Termaticides (Chloropyriphos 50 % E.C) | 10 MI |
| III. Nematicide (Carbofuran 3 % Granule) | 10 MI |
| IV. Fungicides (Carbendazim 50 % W.P.) | 2 gm. |

After transplantation stacking of tree to be done to safe guard.

Irrigation

Irrigate the trees fully and take proper care.

5.10 Plantation of Ground Covers

Plantation of Ground Covers to be done as per our instructions

Total no =8000

5.11 Plantation of Climbers & Creepers

Plantation of Climbers & Creepers to be done as per details below

A. Digging of Pit

Dig a pit of size as per below

1.00 Feet / 0.3 Meters Depth

1.00 Feet / 0.3 Meters Length

1.00 Feet / 0.3 Meters Width

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Remove all the soil from pit and do transplantation of Edges & Hedges and fill the pit with Mixture of Soil Conditioner & Pesticides / Fungicides / Nematicide/ Termaticides along with good quality soil

A. Soil Conditioner

I. Organic Manure (Press Mud)	200 Gm
II. Neem / Karanj / Castor Cake Or Mixture of all	100 Gm
III. Plant Ash / Powdered Clay Soil	100 Gm
IV. Humic Acid Granules	10Gm

B. Pesticides / Fungicides / Nematicide/ Termaticides

I. Pesticide (Phorate 10 % Granule)	10Gm
II. Termaticides (Chloropyriphos 50 % E.C)	2 MI
III. Nematicide (Carbofuran 3 % Granule)	5 MI
IV. Fungicides (Carbendazim 50 % W.P.)	2 Gm

After transplantation stacking of Climbers & Creepers to be done to safe guard.

Irrigation

Irrigate the Climbers & Shrubs fully and take proper care.
Total no =500

5.12 Preparation of Lawn

Grassing with Selection - 1 grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick layer free from weeds and fit for mowing as per details below

Application of Soil Conditioners

I. Organic Manure (Press Mud)	2 Kg / Meter
II. Neem / Karanj / Castor Cake Or Mixture of all	1 Kg / Meter
III. Plant Ash / Powdered Clay Soil	2 Kg / Meter
IV. Humic Acid Granules	25Gm / Meter
V. Sand	5 Kg / Meter

Application of Pesticides / Fungicides / Nematicide/ Termaticides (All the pesticides to be brought on site after consultation of horticulturist

Pesticide (Phorate 10 % Granule) Application of Soil Conditioners

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Organic Manure (Press Mud)	2 Kg / Meter
Neem / Karanj / Castor Cake or Mixture of all	1 Kg / Meter
Plant Ash / Powdered Clay Soil	2 Kg / Meter
Humic Acid Granules	25Gm / Meter
Mineral Mixture	50Gm / Meter
Total Area = 16000 square meter	

5.13 Removal of Present Broken Cement Tree Planters

Removal of all broken tree planter and debris from site and moved Out-side RDPL premises
Digging of soil up to 2.0 Feet / 0.6 Meters & filled with fresh soil Mixture as per below
Fresh good quality soil &

1. Soil Conditioner

I. Organic Manure (Press Mud)	20 Kg
II. Neem / Karanj / Castor Cake Or Mixture of all	2 Gm
III. Plant Ash / Powdered Clay Soil	03 Kg
IV. Humic Acid Granules	250Gm
V. Red Earth	05 Kg

2. Pesticides / Fungicides / Nematicide/ Termaticides

I. Pesticide (Phorate 10 % Granule)	50Gm
II. Termaticides (Chloropyriphos 50 % E.C)	10 MI
III. Nematicide (Carbofuran 3 % Granule)	20 MI

Total No. = 10

5.14 Pruning of Trees

Pruning of trees as per guidelines of horticulturist to give natural Shape as well to increase aesthetic value of premises
Total No. = 60

5.15. Pruning of Shrubs

Pruning of shrubs as per guidelines of horticulturist to give natural Shape as well to increase aesthetic value of premises
Total length = 100 square meter

5.16 Removal of various plants from present flowering beds

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Digging of soil up to 2.0 Feet / 0.6 Meters & filled with fresh soil mixture per Square Meters Fresh good quality soil &

1. Soil Conditioner

I. Organic Manure (Press Mud)	01 Kg
II. Neem / Karanj / Castor Cake Or Mixture of all	500 Gm
III. Plant Ash / Powdered Clay Soil	01 Kg
IV. Humic Acid Granules	50Gm
V. Red Earth	01 Kg

2. Pesticides / Fungicides / Nematicide/ Termaticides

I. Pesticide (Phorate 10 % Granule)	50Gm
II. Termaticides (Chloropyriphos 50 % E.C)	10 MI
III. Nematicide (Carbofuran 3 % Granule)	20 MI
IV. Fungicides (Carbendazim 50 % W.P.)	2 Gm

Total Area = 800 square meter

5.17 Providing of fresh digged soil for filling in garden without stones & other undesired material

Total = 11500 cubic mete

5.18 Providing & Fixing of Drip Irrigation System in

Green belt zone connecting trees, shrubs, creepers, ground cover as per design and BOQ.

5.19 Providing & Fixing Pop up Irrigation System in Lawn areas as per .

For lawn area A, B & C zone as per drawing and BOQ

5.20 Providing Seasonal Flower in all Seasons in Flower Beds in

Flowering plants to be provided throughout the year for flower beds with seventy percent coverage. Total Area = 800 square meter

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6.PRICE BID

DESCRIPTION OF HORTICULTURAL & LANDSCAPING WORK

Sl. No	DESCRIPTION OF WORK	UNIT	QTY.	RATE FIGURES IN WORD (Rs.)	AMOUNT IN FIGURES & WORDS (Rs.)
1.	Clearing of Horticultural Landscape Areas	SQUARE METER	20000		
2.	Disposal of Garbage's	SQUARE METER	20000		
3	Removal of Dried Trees	TREES	5		
4	Preparation of Land	SQUARE METER	20000		
5	Application of Soil Conditioner for Lawn & Flower Beds	SQUARE METER	20000		
6	Plantation of Trees	TREE	216		
7	Plantation of Shrubs	SHRUBS	515		
8	Plantation of Ascent Trees	ASCENT TREE	50		
9	Plantation of Edges & Hedges	EDGE & HEDGE	820		

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10	Plantation of Ground Covers	GROUND COVER	8000		
11	Plantation of Climbers & Creepers	CLIMBERS & CREEPERS	500		
12	Preparation of Lawn	SQUARE METERS	16000		
13	Removal of Present Broken Cement Tree Planters	Tree Planters	10		
14	Pruning of Present Trees	TREE	60		
15	Pruning of Shrubs	SQUARE METERS	100		
16	Removal of Various Plants Present Flowering Beds	SQUARE METERS	800		
17	Providing of fresh digged soil for filling in garden without stones & other undesired material	36 CUBIC METER Trolley	325		
18	Providing & Fixing of Drip Irrigation System As per diagram.	As per drawing			
19	Providing & Fixing Pop up Irrigation System in Lawn Areas. (As per sheet attached in last page of tender in Sr. no 15.)	As per drawing			
20	Providing Seasonal Flower throughout the year (coverage area 75 % of flowering bed)	SQUARE METERS	750		
Total Items		20	TOTAL AMOUNT (Rs.) IN		
FIGURE-----					
		TOTAL AMOUNT (Rs.) IN			
WORDS-----					



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Stamp of the bidder with signature of authorized signatory

7. RDPL HORTICULTURAL & LANDSCAPE AREA

<u>ZONE</u>	<u>FEET X FEET</u>	<u>SQ. FEET</u>	<u>METER X METER</u>	<u>SQ METER</u>
ZONE A =	282 X 222	= 62604	85.95 X 66.66	= 5729.42
ZONE B =	282 X 100	= 28200	85.95 X 30.47	= 2618 .89
ZONE C =	250 X 376	= 94000	76.19 X114.60	= 8731.37
ZONE D =	188 X 350	= 65800	57.30 X106.67	= 6112.19
ZONE E =	48 X 210	= 10080	14.63 X 64.00	= 936.32
ZONE F =	25 X 350	= 8750	7.61 X 106.67	= 811.75
.....				
TOTAL IN SQUARE	= 2, 69,434 FEETS		=24,939.94 METERS	
.....				
ADD				
OUTSIDE = 10 X 564	=	5640	3.04 X 171.90	= 522 .57 METERS
TOTAL AREA	IN SQUARE FEETS			METERS
INSIDE	=2, 69,434			= 24,939.94
OUTSIDE	= 5,640			= 522.57
.....				
TOTAL IN SQ FEETS	= 2, 75,074	IN SQ METERS =		25462.51
.....				

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ROUND OFF HORTICULTURAL & LANDSCAPE AREA

275000 SQUARE FEETS = 25500 SQUARE METERS

8.LIST OF TREES

S No.	NAME OF TREE	COMMEN NAME	FLOWER	QTY
01	Albizzia lebeck	SIRIS	W	5
02	Anthocephalus cadamba	KADAMBA	W	5
03	Bauhinia variegata	KACHNAR	P	8
04	Bauhinia variegata alba	KACHNAR	P	8
05	Bombax ceiba	SEMAL	O	5
06	Butea monosperma	PALASH	O	5
07	Callistemon citrinus	BOLLE BRUSH	R	5
08	Cassia fistula	AMALTASH	Y	5
09	Cassia javanica	BLOOM CASSIA	R, W	5
10	Cassia nodosa	PINK CASSIA	P	5
11	Cassia siamea	POP CORN	LY	5
12	Erythrina variegata	PARROT FLOWER	R	10
13	Grevillea robusta	SILVER OAK	Y	5
14	Jacaranda mimosaeifolia		B	10
15	Kigelia pinnata	SAUSAGE TREE	R	5
16	Lagerstroemia speciosa	PRIDE OF INDIA	P	5
17	Magnolia grandiflora	BARA CHAMPA	W	5
18	Melia azederach	BAKAN	W	10
19	Mimusops elengi	MOLSHRI	W	5
20	Nyctanthus arbor-tristis	HARSINGAR	W	20
21	Peltophorum africanum	COPPER POD	Y	5
22	Peltophorum petrocarpum	YELLOW FLAME TREE	Y	5
23	Plumeria alba		W	10
24	Plumeria rubra		P	5
25	Plumeria obtusa		W	5
26	Putranjiva roxburghii	LUCKY BEAN TREE	YG	5
27	Ravenala medagascariensis	TRAVELLER PALM		5
28	Saraca asoca	SITA ASHOK / GANDHAPUSHPA	O	5
29	Spathodea campanulata	FLAME OF FOREST	O	10
30	Tabebuia argentea	TREE OF GOLD	Y	5
31	Tabebuia hetrophylla	PINK TRUMPET TREE	P	5
32	Tabebuia rosea -alba		W	5
33	Terminalia arjuna	ARJUN / KOHA	W	5
34	Thevetia nerifolia	PILI KANER	Y	5



WELL GROWN
SHRUBS MUST BE SUPPLIED IN UNIT PACKS

10. ASCENT TREE

<u>SNo.</u>	<u>NAME OF PLANT</u>	<u>HEIGHT</u>	<u>QTY</u>
01	BOTTLE PALM	12 FEET	10
02	FISH TAIL PALM	12 FEET	10
03	FURCARIA	6 FEET	10
04	PHONIX PALM	6 FEET	10
05	CHAMPION PALM	6FEET	10
.....			
	TOTAL		50
.....			

NOTE
PLANT MUST BE HEALTHY & WELL GROWN
HEIGHT MIN 3 METER WITH 20 CM GIRTH



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11. EDGE & HEDGES

<u>S. No.</u>	<u>NAME</u>	<u>QUANTITY</u>
01	Croton	100
02	Barleria	50
03	Clerodendron inerme	100
03	Malvaviscus arboreus	100
04	Tabernaemontana	100
05	Plumbago capensis	100
06	Bauhinia acuminata	100
07	Murraya (Kamini)	120
08	Tecomaria capensis	50

.....
TOTAL -----> 820
.....

CONDITION OF SUPPLY

HEALTHY & GREEN
WELL GROWN WELL DEVELOPED
HEIGHT 2 – 3 FEET 0.8 - 1.0 METER

12. GROUND COVERS

<u>S.No.</u>	<u>NAME OF GROUND COVER</u>	<u>QUANTITY</u>
01	Lantana slowianan	1000
02	Golden Duranta	1000
03	C- Inermi	1000
04	Irisene	1000
05	Asparagus	1000
06	Wedellia	1000
07	Verbina	1000

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Total Area (25025.89 + 522.57) = 25548.46 Sq. Meters.

14. PROVIDING OF GRASS

Lawn to be prepared as per the procedure given by us kindly quote rate for
Bermuda grass (Cynodon dactylon) selection -1 generally known as Doob Or Hariyali
Grass

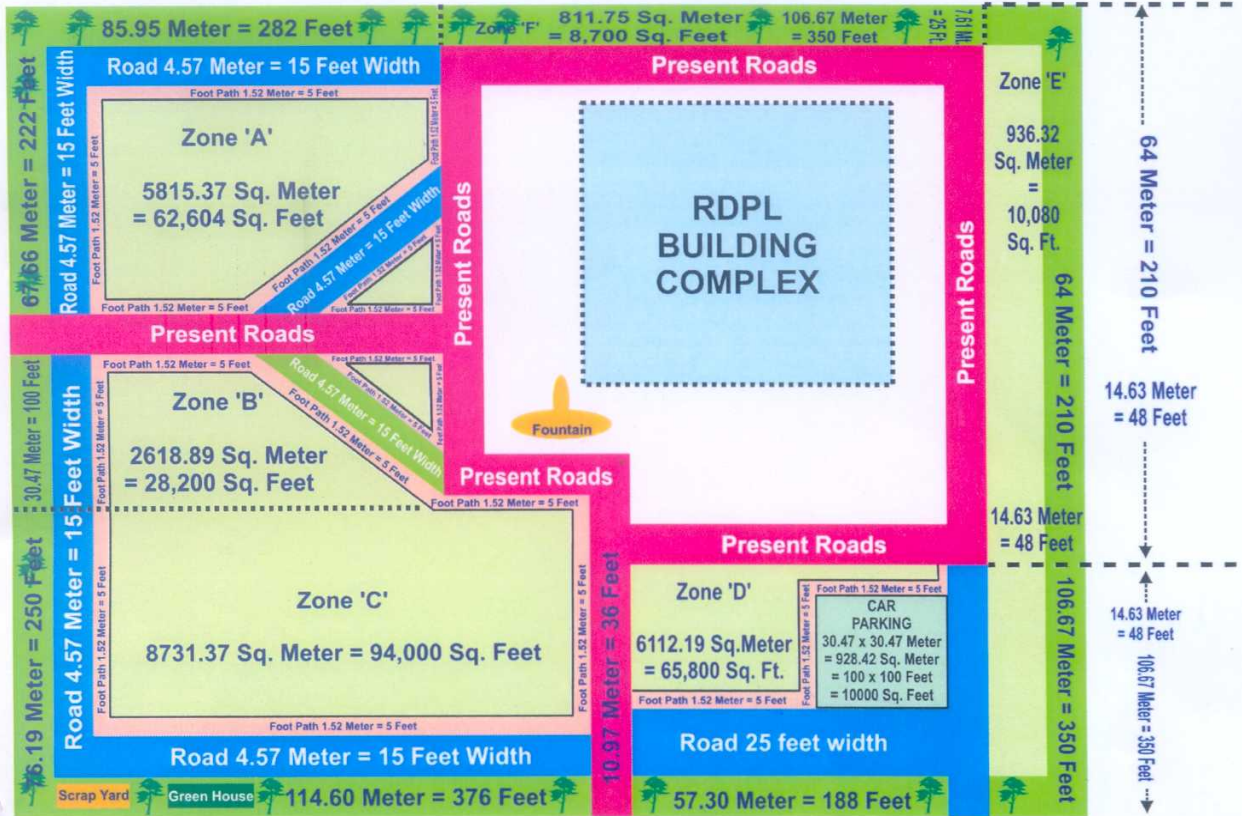
Total area =16000 Square Meters



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RDPL HORTICULTURE & LANDSCAPE PLAN



Here :

Roads Present (pink) Roads Proposed (blue) Scrap Yard (orange) Green House (yellow) Car Parking (green) Foot Path (light green)

15. LIST IF DRIP IRRIGATION AND LAND SCAPE IRRIGATION COMPONENTS

AS PER THE DESIGN ATTACHED

15.1 DRIP IRRIGATION

Material for drip system	Unit	Qty



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A	PVC network		
1	PVC 2" 4 Kg/ cm2	Nos	750
2	PP ball valve 2"	Nos	10
3	plush valve PVC 2"	Nos	10
4	PVC fittings and accessories	Lumsum	1
B	Emmiting pipe Network		
1	Plain Lateral 16 mm dia LLDP	Meter	2450
2	controlled discharge dripper 8 LPH (Harvel)	Nos	3000
3	16 mm end plug	Nos	40
4	16 mm PP valve	Nos	40
5	16 mm Gromet	Nos	40
6	16 mm take off	Nos	40
C	Pumping System		
1	Pump 5 HP 3 phase 50 m head Submursible	Nos	1
2	control panel with protection	Nos	1
3	Helical disc Filter 2" (azud)	Nos	1
4	Glycerine filled pressure gauge (Harvel)	Nos	2
5	Air release valve 2"	Nos	1
6	Pressure regulator valve GI	Nos	1
7	service saddle 2"	Nos	3
8	Header assambly 2"	Nos	1
9	Bypass assambly with 2" valve	Nos	1
10	Fitting and accessories	Lumsum	1
D	Installation charge		
1	Trenching and refilling	Meter	750
2	Installation and commissioning	Lumsum	1

15.2 LAND SCAPE IRRIGATION COMPONANTS

	PVC net work	unit	Qty
	Main line PVC 2" 6 kg	Meter	600
	submain PVC 50 mm 6 kg	Meter	2400
	Sprinkler and accessories		
a	POP up	No	232
b	Service saddle 1.5"	No	232



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c	swing assembly	No	232
d	PP ball valve	No	10
e	10" Round Valve Box - Rain Bird (USA)	No.	10
4.	Automation Unit		
a	Solenoid Valve 1.5" -Rain Bird (USA)	No.	10
B	10 ISTEP Station Controller - Rain Bird (USA)	No.	1
C	1.5sqmm solid single core Copper Conductor Direct Burial Cable Red (Macrotherm)	M	600
d	1.5sqmm Copper Conductor Direct Burial Cable (White) (Macrotherm)	m	400
e	DB series wire connector with splices(Rainbird - USA)	No.	20
f	Fitting and accessories	no	1