

**GREATER HYDERABAD MUNICIPAL CORPORATION::HYDERABAD**

**EXPRESSION OF INTEREST (EOI) ARE INVITED FOR**

**Name of the Work :** Fixation of Unit Rates and standardization of specification for the procurement of Plant material to Urban Biodiversity Wing, GHMC



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**EOI No.:01/UB5/UBD/GHMC/2017-18 Dt:28.12.2017.**

**GREATER HYDERABAD MUNICIPAL CORPORATION**

**Tank Bund Road, CC Complex**

**Office of the Director,  
Urban Biodiversity  
Greater Hyderabad Municipal Corporation**

**NOTICE**

**No. /DUB/GHMC/2017-18**

**Date: .12.2017**

Greater Hyderabad Municipal Corporation invites Expression of Interest (EOI) from Private and Govt. Nurseries in the prescribed form for supply of plant material to GHMC for the year 2018 subject to the terms and conditions mentioned in the tender schedule.

<b>Name of the work</b>	<b>Eligibility criteria</b>
<b>Supply of plant material to GHMC for the year 2018</b>	1) Proof of having registered nursery with erstwhile MCH/ Department of Horticulture, Govt. of Telangana /A.P/ India or any other Govt. Department or with Hyderabad nurseries consortium or Indian Nursery Men Association.  2) Proof of supply of plant material to any State / Central / PSU Government organization in any one year during the last five years.

1. EOI Download start date : 30.12.2017 @ 11.00 AM onwards
2. Date&time - Receipt of bids: 19.01.2018 from 11.00 AM to 03.00 PM
3. Time and date of opening of tenders: 20.01.2018 @ 04.00 PM.

The Tender document (EOI) can be downloaded from the 'GHMC' website

**Sd/-  
Director, Urban Biodiversity  
Greater Hyderabad Municipal Corporation**

**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**

**PROCEDURE FOR SUBMISSION OF BIDS:**

1. Bidders need to contact the Director, Urban Biodiversity, GHMC, Hyderabad for any information or clarification for submission of bids.
2. Bidders need to access [www.ghmc.gov.in](http://www.ghmc.gov.in) for information pertaining to supply of plant material to GHMC for the year 2018.
3. Bidders need to submit the required documents as per the Tender requirements along with their profile in sealed covers. The bidders shall sign on all the statements, documents, certificates, uploaded by him, owning responsibility for their correctness / authenticity.
4. The technical bid evaluation of the tenderers will be done on the certificates / documents submitted in the sealed tenders only towards qualification criteria furnished by them and on submission of hard copies and other documents as called for in the tender.
5. The price-bids of such tenderers, who are determined to have complied with the eligibility / qualification criteria, will only be opened.
6. The Director, Urban Biodiversity, GHMC, Hyderabad or his nominee at his office in the presence of tenderers will open the tenders or their authorized representatives, on the dates mentioned in Schedule. If the Office happens to be closed on the dates, the opening of tenders gets automatically postponed to the next working date, the time being unaltered, unless extended by a notification published in website.

**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**

**To**

**The Commissioner  
Greater Hyderabad Municipal Corporation  
Hyderabad.**

Sir,

Sub: GHMC - UB - Fixation of Unit Rates and standardization of specification for the procurement of Plant material to Urban Biodiversity Wing, GHMC for the year 2018 – Reg.

\* \* \*

In response to your Notice Published in the Daily Newspapers, I / we submit my / our application as follows.

1. Name of the applicant / Nursery / firm (in BLOCK LETTERS)
2. Father's Name (In case of individuals)
3. Age of the applicant (in case of individuals only)
4. Address of the applicants nursery

a) Address for Correspondence

Tel. No(s). (Office)

(Residence)

(Mobile)

('e' mail)

Place:

Date:

**To**

**The Commissioner,  
Greater Hyderabad Municipal Corporation,  
Hyderabad - 500 063.**

Sir,

**DECLARATION AND UNDERTAKING**

Sub: GHMC – UB - Fixation of Unit Rates and standardization of specification for the procurement of Plant material to Urban Biodiversity Wing, GHMC – Reg.

\* \* \*

With reference to the tender invited by the Greater Hyderabad Municipal Corporation for the above work, I / we hereby declare this after

- a) Read all the terms and conditions (supplied along with the tender schedule as enclosed herewith) for supply of plant material to GHMC for the year 2018.
- b) Examined all the tender documents and hereby undertake to abide by the same or as may be communicated from time to time

I / we, the undersigned also hereby declare that if I / we has/have quoted lowest rates for plant material I / We shall not claim right for supply of plant material to GHMC based on the rates quoted.

I / we having read the terms & conditions are ready to supply the plant material at the current rates offered by me / us to GHMC.

I / we further undertake that in case of cancellation of the tender for whatsoever reason, and I / we shall abide by the action whatsoever initiated by GHMC.

This application forms part of the tender schedule submitted by me/we.

**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**

## **TERMS & CONDITIONS**

The nursery owners shall submit the bid for supply of plant material as detailed below. The authority competent to finalize the tender will take action to verify the documents and antecedents of the tenderers.

### **Eligibility Criteria:**

1. The following documents shall be submitted along with the bid.
  - 1.1 Proof of having registration of nursery with erstwhile MCH/ Department of Horticulture, Government of Telangana /A.P/India or any other Govt. Department or with Hyderabad nurseries consortium or Indian nurserymen association.
  - 1.2 Proof of supply of plants material to any State / Central / PSU government organization in any one year during the past (5) years.
  - 1.3 Copy of PAN Card and Aadhar Card.

### **General Conditions:**

- 2 Only those who are producing plant material throughout the year on a commercial basis are expected to apply and participate in the tender.
- 3 The opening of applications will be held at the place, on the dates and as per the schedule as given in the Notification / Advertisement or as informed by GHMC in the presence of the applicants.
- 4 The bids submitted by the bidders who fulfill all the conditions of the tender document and technically qualified only will be considered/ opened.
- 5 While quoting the rates for the supply of plants, the rates shall be inclusive of transportation to the plantation sites / parks / work spots, taxes and other charges etc as decided by GHMC within GHMC limits.
- 6 Based on the lowest rate quoted by the tenderer / nursery owner, GHMC will issue supply order for supply of plant material for a fixed minimum quantity as per the requirement of GHMC subject to availability of material with the nursery (Tenderer) which shall be binding

**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**

on the tenderer. The discretion of allotment of supplies to other bidders at the lowest rate lies with GHMC.

7 Commissioner, GHMC reserves the right to cancel the tender without notice.

**Interpretation:**

8. In interpreting these Conditions of Contract, singular also means plural, male also means female, and vice-versa. Headings have no significance. Works have their normal meaning under the language of the contract unless specifically defined. The officer in charge will provide instructions clarifying queries about the conditions of Contract.

9.1 The documents forming the Contract shall be interpreted in the following order of priority:

- 1) Agreement
- 2) Letter of Acceptance, notice to proceed with the works
- 3) Contractor's Tender (Technical bid)
- 4) Conditions of contract
- 5) Specifications
- 6) Bill of quantities (Price-bid)
- 7) Any other document listed as forming part of the Contract.

**10 Officer-in-Charge's Decisions:**

10.1 Except where otherwise specifically stated, the Officer-in-charge will decide the contractual matters between the Department and the Contractor in the role representing the Department.

**11 Delegation:**

11.1 The Officer-in-charge may delegate any of his duties and responsibilities to other officers and may cancel any delegation by an official order issued.

**12 Communications:**

12.1 Communications between parties, which are referred to in the conditions, are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act)

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**Director, Urban Biodiversity, GHMC**

13 **Sub-contracting:**

13.1 No sub-Contracting or sub-letting is allowed.

14 **Other Contractors:**

14.1 The Contractor shall cooperate and share the Site with other contractors, Public authorities, utilities, and the Department. The Contractor shall also provide facilities and services for them as directed by the Officer-in-charge.

15 **Personnel of Contractor:**

15.1 The Contractor shall employ the required number of personnel.

16 **Contractor's Risks:**

16.1 All risks of loss of or damage to physical property and of personnel injury and death, which arise during and in consequence of the performance of the Contract are the responsibility of the Contractor.

17 **Safety:**

17.1 The Contractor shall be responsible for the safety of all activities on the Site.

18 **Technical Specifications:**

1. The tenderer should supply the plants strictly as per the specification mentioned in the tender.
2. The plants supplied should be preconditioned.
3. The container should have proper pot mixture of red earth / black earth, sand, farm yard manure.
4. The plant materials supplied shall be of robust, healthy and free from pests and diseases and shall have good foliage.

**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**



5. The supplied plant materials which are not conforming to the specifications shall be rejected outright and the tenderer shall have no right to claim what so ever on such supplies.
6. The decision of quality of plants supplied lies with GHMC and shall be binding on the contractor / successful tenderer.
7. Height of the plants shall be measured from the top of the poly bag to the tip of the seedling.
8. The soil of the poly bags to be supplied shall be intact.
9. The roots of the plant material to be supplied shall not be exposed.
10. The plants to be supplied shall not show any withering / wilting symptoms at any time of delivery.
11. Loading and unloading of plant material shall have to be taken care by the tenderer with skilled persons without spoiling the plants.
12. Transit losses will have to be borne by the tenderer only.
13. The successful tenderer shall supply the plant material at various work spots under GHMC limits as per the instructions of Officers of GHMC.
14. The plant material to be supplied by the successful tenderer shall be strictly as per specifications mentioned in the BOQ and shall be healthy, free from diseases, weed and shall have good foliage. The plant material to be supplied by the successful tenderer is subject to verification for quality by the concerned officer of GHMC before supplying the same to GHMC. Only those plants which are certified for quality by the concerned Officers of GHMC will be accepted.

**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**

15. All the plant material supplies shall be subject to inspection, examination and testing at all times and stages during the process of supply and planting by the GHMC and the GHMC shall have the right to reject and order for removal and replacement of any defective material or require its correction and rectification. The onus shall be on the tenderer to get such inspections carried out and obtain such approvals. If the tenderer fail to comply with these requirements, then all additional or redoing of supplies necessitated as a consequence thereof shall be at the tenderer's cost and expense. No inspection or approval shall relieve the tenderer of any of his responsibilities, obligations and liabilities under the contract.
16. The supplied plant materials which are not conforming to the specifications shall be rejected outright and the tenderer shall have no right to claim what so ever on such supplies.
17. The decision of quality of plants supplied lies with GHMC and shall be binding on the contractor / successful tenderer.

19. **Scope, Extent & Intent.**

- a. The tenderer shall take up and carry out the work under the tender in every respect and the work shall include the supply of Plant Material and everything else necessary for the proper execution and successful continuation of the work in accordance with the contract Documents and to the discretion and satisfaction of the GHMC. The tenderer shall be fully responsible and liable for everything and all matters in connection with or arising out of or being a result or consequence of his carrying out or omitting to carry out any part of the work.
- b. The tender documents are complementary and what is called for by any one shall be binding as if called for by all. Wherever it is mentioned in the tender documents that the contractor shall perform certain work or provide certain facilities, it is understood that the Contractor shall do so at his own cost. Materials or work described in words, which so applied have a well known technical or trade meaning shall be held to refer to such recognized standards as are applicable.

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- c. The extent of work includes the components & Specifications of BOQ / Agreement. The Tenderer shall supply the Plant Material as per specifications of the tender/contract agreement anywhere in GHMC limits as directed by the Officer Concerned.

**20. Execution of Agreement:**

- a. The successful tenderer shall execute an agreement on Rs.100/- non-judicial stamp paper within seven days from the date of issue of notice of confirmation of tender in his favour as per the terms and conditions and other norms laid down by Greater Hyderabad Municipal Corporation.
- b. If the successful tenderer fails to sign the prescribed agreement or fails to start the work within TEN DAYS of order to commence the work, the Earnest Money Deposit paid by him shall be forfeited.

**21. Transfer of Contract or Sub-leasing:**

- a. Sub-leasing or transfer of this work by the successful tenderer in whatever manner is prohibited and unlawful and liable for cancellation of contract / agreement besides forfeiture of the Earnest Money Deposit and other amounts if any paid by the agency / successful tenderer up to such period.

**22. Discretionary powers of the Commissioner, GHMC**

- a. The Commissioner, GHMC reserves the right to accept or reject any tenders without assigning any reason. The decision of the Commissioner, GHMC will be final and binding.
- b. In case of any dispute arising during the process of tender, during the period of contract, the decision of the Commissioner, GHMC will be final and binding on the tenderer.
- c. The decision of Commissioner, GHMC with regard to the quality of the Plant Material supplied will be final and binding.

**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**

- d. The Commissioner, GHMC will have right to issue directions from time to time for replacement of plant material which are not confirming to contract conditions and such directions are binding on the part of the Tenderer.
- e. The Commissioner, GHMC reserves the right to withdraw or cancel agreement / contract with seven days notice without assigning any reason which shall be binding on the tenderer.
- f. For violation of any terms and conditions by the tenderer, the Commissioner, GHMC shall have the right to cancel the agreement / contract with seven days advance notice and the action initiated by the Commissioner, GHMC shall be binding on the tenderer.
- g. The acceptance of tender shall rest with the Commissioner, GHMC who does not bind to accept the lowest tender and reserves to the right to reject any or all the tenders received without assigning any reason(s) whatsoever. Non-acceptance of any tender shall not make the tenderer(s) liable for compensation or damages.

**23. Compliance of other laws & Acts**

- a. The Tenderer shall be wholly and solely responsible for full compliance with the provisions under all labour laws and / or regulations such as payment of wages Act 1948, Employees Liability Act 1938, Workmen's Compensation Act 1923, Industrial Disputes Act, 1947, the Maternity Benefit Act 1961, the Contract Labour (Regulations and Abolition) Act 1970 and the Factories Act 1948 or any modifications thereof or any other law relating thereto and rules there under introduced from time to time. The Tenderer shall assume liability and shall indemnify the GHMC from every expense, liability or payment by reason of the application of any labour law, act, rules or regulations existing or to be introduced at a future date during the term of the Contract. In general, in respect of all labour directly or indirectly employed in the work for the performance of Tenderer's part of the Contract, the Tenderer shall comply with all the rules framed by the Government authorities concerned from time to time for protection of the health and welfare of the workers. The Tenderer shall pay to labour employed by him wages not less than the minimum wages as defined in the relevant local labour regulations or as per the provisions of the Contract Labour (Regulation and Abolition)

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Act 1970 and the Contract Labour Regulation and Abolition of Central Rules 1971, wherever applicable. He shall also abide by the minimum wages and other regulations applicable to the labour engaged in the work, as laid down by the concerned local authorities.

- b. The tenderer shall include in the tender amount all expenses necessary to meet his obligations for making contributions towards employee's benefits funds (such as provident fund, ESI benefits, old age pension and / or any other benefits / compensation legally payable) in compliance with all the statutory regulations and requirements. All records in this connection shall be properly maintained by the Tenderer and are to be produced for scrutiny by the concerned authorities whenever called for.

#### 24. **Indemnity**

- a. The tenderer shall indemnify, defend and hold and keep indemnified, the GHMC from and against all actions, suits, claims costs, liabilities and demands brought or made against the GHMC in respect of any matter or thing done or omitted to be done by the Tenderer or any of their employees, workmen, representatives, agents, servants or suppliers in the execution of or in connection with the work or the tenderer's performance under this contract and against any loss or damage to the GHMC in consequence of any action or suit being brought against the tenderer or any of his employees, workmen, representatives, agents, servants or suppliers for anything done or omitted to be done in execution of the work under this contract, including but not limited to non-compliance with the applicable laws and regulations of the government and local authorities, not obtaining the relevant licenses and permits, infringing any patents rights and specifically regarding use, storage and disposal of hazardous materials.

#### 25. **Standards of conduct**

- a. The tenderer, in performing its obligations under this contract, shall establish and maintain appropriate business standards, procedures and control, including those necessary to avoid any real or apparent impact on the interests of the GHMC. The GHMC will in no event reimburse the tenderer for any costs incurred for purposes inconsistent with such policies.

**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**

**26. Payment terms & conditions:**

- a. Bills to the successful tenderer will be paid after completion of supplies and after issuance of certificate by the officer concerned regarding proper execution of the work ie., supply of plant materials to the satisfaction of GHMC as per specifications.
- b. All the taxes, cess etc. applicable in the state of Telangana shall be deducted from the contractor bills and shall be binding on the tenderer.
- c. Any recovery advised by the officers of GHMC etc., due to non- fulfillment of contract conditions shall be recovered from the contractors bills or EMD etc., as the case may be.

**27. Penalties / Forfeitures:**

- a. In case the tenderer withdraws during the continuance of contract period due to any reason, the Earnest Money Deposit stands forfeited.
- b. If it shall appear to the GHMC during the progress of the supply of plant material that any supplies have been executed with unsound, imperfect or unskillful workmanship or with materials of any inferior description or that any materials or articles provided by the Tenderer for the execution of the supplies are unsound or of a quality inferior to that contracted for or otherwise not in accordance with the contract, the tenderer shall, on demand in writing from the GHMC specifying the work, materials or articles complained of, notwithstanding that the same may have been passed and certified, forthwith rectify or remove and re-execute the work so specified in whole, or in part as the case may require as the case may be, remove the materials or articles at his own proper charge and cost and in the event of his failing to do so within a period so specified by the GHMC in his demand aforesaid, the GHMC may rectify or remove and re-execute the work or remove and replace with others, the materials or articles complained of as the case may be at the risk and expense in all respects of the tenderer, and deduct the expenses from the sums that may be due at any time thereafter may become due to the tenderer.
- c. If the GHMC deems it inexpedient to get corrected or rectified any work of the Tenderer which is defective or damaged or of substandard quality or is generally not in accordance with the contract documents, then an equitable and appropriate penalty shall

**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**

be levied thereof on the tenderer, and the GHMC's decision in this respect shall be final and binding on the tenderer.

- d. The successful tenderer has to supply the plant material strictly within stipulated time as mentioned in the work orders or service level agreement failing which the bidder will be levied a penalty of 1% of the contract value for every (03) days subject to maximum of (09) days. If the successful bidder fails to supply the plant material even after (09) days the contract will be terminated and the successful bidder will be black listed and EMD will be forfeited.

**28. Settlement of disputes:**

28.1 if any dispute of difference of any kind whatsoever arises between the department and the contractor in connection with, or arising out the contract, whether during the progress of the works or after their completion and whether before or the after the termination, abandonment or breach of the contract, it shall in the first place, be referred to and settled by the Director, Urban Biodiversity, GHMC who shall, within a period of thirty days after being requested by the contractor to do so, give written notice of his decision to the contractor. Upon receipt of the written notice of the decision of the Director, Urban Biodiversity, GHMC the contractor shall promptly proceed without delay to comply with such notice of decision.

28.2 If the Director, Urban Biodiversity, GHMC fails to give notice of his decision in writing within a period of thirty days after being requested or if the contractor is dissatisfied with the notice of the decision of the Director, Urban Biodiversity, GHMC, the contractor may within thirty days after receiving the notice of decision appeal to the department who shall offer an opportunity to the contractor to be heard and to offer evidence in support of his appeal, the department shall give notice of his decision within a period of thirty days after the contractor has given the said evidence of support of his appeal, subject to arbitration, as hereinafter provided. Such decision of the department in respect of every matter so referred shall be final and binding upon the contractor and shall forthwith be given effect to by contractor, who shall proceed with the execution of the works with all due diligence whether he requires arbitration as hereafter provided, or not. If the department has given written

**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**

notice of the decision to the contractor and no claim to arbitration, has been communicated to him by the contractor within a period of thirty days from receipt of such notice the said decision shall remain final and binding upon the contractor. If the department fail to give notice of his decision, as aforesaid within a period of thirty days after being requested as aforesaid, or if the contractor be dissatisfied with any such decision then and in any such case the contractor within thirty days after the expiration of the first named period of thirty days as the case may be, require that the matter or matters in dispute be referred to arbitration as detailed below:-

28.3 The arbitration shall be conducted in accordance with the provision of India Arbitration and Conciliation Act 1996 or any statutory modification thereof. The arbitrator shall state his reasons in passing the award. A reference for adjudication under these clauses shall be made by either party to the contract within six months from the date of intimating the contractor of the preparation of final bill or his having accepted payment. The relevant clauses of Telangana detailed standard specification stand modified to the extent provided in the clause. NOTE Claim means all claims in that contract.

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**Signature of tenderer**

**Director, Urban Biodiversity, GHMC**



IMPORTANT NOTE:

The bidder can quote rate for one or more set of packages (Supply codes) as shown above subject to availability of stock in their nurseries.

The bidder shall submit a statement of plant material available in their nurseries along with other species if any duly quoting rates, bag size of plants in the Excel Sheet.

The tenderer does not have right to claim for supplies based on the rates quoted.

Any further information in this regard can be obtained from the Director, Urban Biodiversity, 3rd Floor, GHMC Head Office, Tank Bund Road, Hyderabad on all working days between 10.30 a.m. to 5.00 p.m. Contact No: 9989930504

Email id: [dub.ghmc@gmail.com](mailto:dub.ghmc@gmail.com)

**Plants suitable for Urban Greening under different components**

Sl. No.	Component/ Name of Species	8"x8"					15"x16"/18"x18" ht >6'					21"x21" ht >9'					25"x25" ht >12'				
		Ht	Boll Size	No. of Branches	Girth	Rate	Ht	Boll Size	No. of Branches	Girth	Rate	Ht	Boll Size	No. of Branches	Girth	Rate	Ht	Boll Size	No. of Branches	Girth	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
<b>I</b>	<b>Avenue Plantations</b>																				
1	Anthocephalus cadamba	>3'								>8cm					>12cm						>18cm
2	Azadiracta indica	>5'								>7cm					>15cm						>18cm
3	Bauhinia blackiana	>4'								>7cm					>13cm						>16cm
4	Bauhinia variegata/purpurea																				>16cm
5	Bignonia megapotamica	>5'																			
6	Cassia bakeriana																				
7	Cassia fistula	>1'								>6cm					>12cm						>15cm
8	Cassia javanica	>4'																			
9	Cassia nodosa	>4'																			
10	Cassia spectabilis																				
11	Cochlospermum religiosum																				
12	Colvillea recemosa																				
13	Cordia sebestena	>3'								>6cm					>12cm						>16cm
14	Dalbergia sissoo	>3'																			
15	Delonix regia	>3'																			>20cm
16	Erythrina crista-galli																				
17	Ficus religiosa	>3'								>8cm					>15cm						>18cm
18	Jacaranda mimosifolia																				
19	Lagerstroemia species	>4'																			
20	Markhamia leutia									>7cm					>14cm						>16cm
21	Mimusops elangii	>4'								>8cm					>14cm						>18cm

















**Plants suitable for Urban Greening under different components**

Sl. No.	Component/ Name of Species	6"x6"					8"x8"					8"x10" / 8"x12"					13"x13"				
		Ht	Boll Size	No. of Branches	Girth	Rate	Ht	Boll Size	No. of Branches	Girth	Rate	Ht	Boll Size	No. of Branches	Girth	Rate	Ht	Boll Size	No. of Branches	Girth	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
15	Magonolia champaca																				
16	Ocimum tenuiflorum																				
17	Plectranthus amboinicus																				
18	Rauwolfia serpentina																				
19	Tinospora cordifolia																				
20	Trachspermum ammi																				
21	Withania somnifera																				
<b>IX</b>	<b>Shrubs</b>																				
1	Acalypha	>1'	>7"	>4			>1'6"	>12"	>8			>1'6"	16"	>10			>1'6"	>1'6"	>12		
2	Allamanda cathartica	>1'	>8"	>4			>14"	>12"	>8								>2'	>2'	>12		
3	Angelonia sps	>1'	>6"	>5			>14"	>12"	>6												
4	Aralia	>1'	>8"	>5													>1'6"	>18"	>12		
5	Barleria sps	>8"	>6"	>3			>12"	>12"	>5												
6	Bauhinia galpinii											>1'6"	>18"	>6							
7	Bougainvillea	>12"	>12"	>3			>18"	>12"	>5								>2'	>2'	>12		
8	Brunfelsia sps																				
9	Caesalpinia pulcherrima						>2'		>2								>3'		>4		
10	Calliandra sps						>2'	>18"	>5								>2'6"		>5		
11	Cascabela thevetia																				
12	Cassia bicapsularis						>2'	>12"	>3												
13	Cestrum sps	>12"	>6"	>2													>2'	>2'	>8		









**Plants suitable for Urban Greening under different components**

Sl. No.	Component/ Name of Species	6"x6"					8"x8"					8"x10" / 8"x12"					13"x13"				
		Ht	Boll Size	No. of Branches	Girth	Rate	Ht	Boll Size	No. of Branches	Girth	Rate	Ht	Boll Size	No. of Branches	Girth	Rate	Ht	Boll Size	No. of Branches	Girth	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3	Asparagus officinalis	>9"	>6"									>2'	>1.5'								
4	Bambusa vulgaris																				
5	Cassia glauca/ biflora						>2'	>12"													
6	C patherifera																				
7	Colocasia esulenta						>1.5'	>12"													
8	Duranta erecta	>7"																			
9	Euphorbia tithymalodies																				
10	Irishums	>9"	>6"																		
11	Neerium oleander	>1'	>10"				>2'.6"	>14"	>4								>4'	>2'			
12	Tabernaemontana	>1'	>10"				>1'.6"	>15"	>4								>2.5'	>2'			









