

**MAGADH UNIVERSITY**  
**BODH GAYA, BIHAR**  
Expression of Interest for Beautification Landscaping Work

**1. SCOPE OF LANDSCAPING WORK**

Details of Work required being under this EOI at **MAGADH UNIVERSITY BODH GAYA,**

**Note: Before quoting the rates, the organization should inspect the Landscaping site as well office premises of MAGADH UNIVERSITY BODH GAYA at his own cost.**

**LANDSCAPING WORK:-**

The purpose of landscaping work is that the whole University 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 UNIVERSITY 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 UNIVERSITY 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 front of administrative block of University premises in consultation with the botany Department & designated officer of University. He will also develop nursery for seasonal and perennial type of flowers and plants.

. The other job in this regard would be:

1. Three suggestive plans with walkover movie of minimum 5 minutes with provision of water body, rain water harvesting, solar pump 2 HP (irrigation & fountain water requirement), walking pathway, sitting area for 100 persons and toilet.
2. 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
3. To plant trees, shrubs etc. by excavation / digging as and when required in the interest of the beautiful maintenance of ambience / park/ lawn of UNIVERSITY
4. To prepare and maintain flower beds, seasonal and perennial both depending on our needs
5. To prepare and maintain flowers and plant in outdoor as designated [places to be decided in as per the plan approved duly submitted by the contractor.
6. Cutting of grass in lawn, pruning of plants at required intervals and removing the waste to the proper place.
7. Regular watering of grass, lawn, trees, plants, shrubs etc and hoeing and weeding in and around them.
8. Spraying of insecticides and fungicides application / spreading of chemicals and manure as and when required / advised.
9. Any other job which is required to make the UNIVERSITY campus from natural point of view beautiful with lush green environment.
10. The gardener should demonstrate own initiative for horticultural up gradation of UNIVERSITY premises.

**2. EXPRESSION OF INTEREST**

1. EXPRESSION OF INTEREST for procurement of Landscaping material along with providing of Manpower to execute Landscaping Work in supervision of consultant/UNIVERSITY authority As per The Schedule attached with EXPRESSION OF INTEREST

**2. Details of EXPRESSION OF INTEREST submitting Organization: -**

- a. Name of Firm:-  
.....
- b. Postal address in full in capital letters:  
.....
- c. Telephone  
.....
- d. Telex  
.....
- e. Fax No  
.....
- f. E mail ID  
.....

**3. EXPRESSION OF INTEREST value will be approx. Rs. 40.0 lacs**

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

- a. DD in favor of Magadh University Bodh Gaya Payable at Bodh Gaya.
- b. Name of Bank .....
- c. Demand Draft No. ....Dated.....
- d. Amount Rs. 5000/- (five thousand only)

**5. Details of Contractor main controlling persons with Qualification**

- a. Name
- b. Phone No
- c. Mobile No
- d. E mail .ID

**6. Please Submit the Photocopies of**

- a. PAN Number
- b. TIN Number
- c. Detail of Work Orders Along With List on Paper
- d. Registration Number
- e. Service tax No (if any)
- f. Registration Certificate of Labour Department

**7. Any Other information you want to provide**

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**2.1 TERMS AND CONDITIONS OF EOI**

1. Expression of interest s are invited to submit, which shall contain the information about the expression of interest in two details

- I. technical Details,
- II. financial Details

Technical Details contains,

- a) Expression of interest
- b) Technical Qualification of team
- c) Solar Pump Installation experience of team
- d) Certificate of bio-technologist of team

e) Certificate of Architect of team

Financial Details contains

- a) Capability with respect to personnel, equipments, capacities
- b) Offer rates.

2. Landscaping work to be completed by contractor within 2 month & final handover with sustained vegetation in 1(one) year from the date of agreement.

3. The contractor will be responsible for the execution of landscaping work accordance with given schedule.

4. The contractor will replace the dead / damaged / under growth plants & plant material free of cost till one year.

5. The contractor will perform all horticultural & landscaping work in accordance with university Botany department

6. Magadh university bodh gaya reserves the full right to accept or reject any / all / part of expression of interest without providing any justification.

8. Contractor must signature with seal of organization below on each page of expression of interest document.

9. An agreement for this work shall be executed on Rs. 100/- non judicial stamp paper between contractor and university 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 Patna only.

11. You will take care of University's property while working at our site & will be liable to compensate any damages thereof

12. Water, electricity and lodging with store will be provided by university free of cost.

13. You shall take care of the safety of your tools & tackles at our site & University 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 recovered from the contractor from his bills.

17. Rates should be quoted exclusive of all taxes heeding, for at site.

18. No escalation shall be allowed on quoted rate.

### **3. STAGES OF THE LANDSCAPING PROJECT**

#### **Stages of Work & % of Total Work**

##### **3.1 preparations of land & contours (25%)**

- a. Mobilization of human resource
- b. Handover of Project site & lodging facility with store.

##### **3.2 preparations of land & contours (20%)**

- a. removal of garbage's
- b. Filling of fresh garden soil

- c. Intercultural operation
- d. Fertilization and pest control treatment
- e. **Contours**
- f. Removal of present unwanted plants
- g. Removal of dried plants
- h. Removal of broken cement planters
- i. Pruning of trees and shrubs

### **3.3 irrigation system & water body (30%)**

- a. Drip/sprinkler irrigation in lawn area
- b. HDPE pipe laying from the pump
- c. Solar pump installation
- d. Water body digging and preparation
- e. Installation of one water fall
- f. Installation of two fountains in the water body
- g. Control room for water body & pumps

### **3.4 plantation & vegetation (25%)**

- a. trees
- b. accent trees
- c. shrubs
- d. edge and hedges
- e. ground covers ( grass carpet only )

## **4. PAYMENT TERMS AND CONDITIONS-**

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

**4.2** 10% payment shall be held as performance guarantee which shall be paid after one year from the date of awarding of work on successful completion of work & hand over to university.

## **5. Quantity description of 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 university premises Located /seen by the contractor before quoting the rates.

Total area = 11000 square meter (Approx)

### **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 earth mover in the university campus.

### **5.3 removals 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 1 to 2 feet's by cross sloughing.

**b. application of disc harrow** application of disc harrow up to depth of 1 to 2 feet's by cross plugging. (This application to be carried out after adding (manure mixture & pesticides fungicides as per our recommendations)

**c. application of leveller** application of leveller to make uniform surface without any gap & uneven topography

### **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

### **5.6 plantations 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**

- 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 ml
- 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.

#### **d. Irrigation**

irrigate the trees fully and take proper care

total no of trees = 216

### **5.7 Plantations 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 ml
  - iii. nematicide ( carbofuran 3 % granule ) 10 gm
  - iv. fungicides (carbendazim 50 % w.p. ) 2 gm
- After transplantation stacking of shrubs to be done to safe guard

**d. 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.

**d. irrigation**

irrigate the ascent trees fully and take proper care.  
total no of plants = 50

**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 / nematicide/ 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.

**d. irrigation**

irrigate the trees fully and take proper care.

**5.10 Plantation of ground covers**

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 (phorate 10 % granule)

**application of soil conditioners**

- 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 = 8000 square meter

**5.11 Plantations 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

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.

**c. irrigation**

irrigate the climbers & shrubs fully and take proper care.  
total no =500

**5.12 pruning of trees**

Pruning of trees to give natural shape as well to increase aesthetic value of premises  
total no. = 60

**5.13 providing & fixing of drip irrigation system in**

green belt zone connecting trees, shrubs, creepers, ground cover as per design and boq.

**5.14 providing & rain gun irrigation system in lawn areas.**

For lawn area a, b & c zone as per drawing