

**PRE-BID M.O.M DATED 02.06.2015 FOR LANDSCAPING WORK FOR CCCR OFFICE BUILDING AT
IITM, PASHAN, PUNE.**

TENDER NOTICE No. IITM/CE/ CCCR OFFICE/LANDSCAPE/2015/04

**A Pre-Bid Meeting for the subject work held 02.06.2015 in ARYABHATTA Hall at IITM, Pune.
During the discussion with vendors present in the meeting the following decision were taken by
the committee:**

SL. No.	Points discussed	Reference	Decision Taken
01.	Technical Bid Section -I (ITB) Point no. 2.8	Tender documents	FOR: Financial reports for the last five years: balance sheets, Profit and loss statements, auditors' report (in case of companies/corporation), etc. READ: Financial reports for the last Three years (i.e. 2012-13, 2013-14 & 2014-15): balance sheets, Profit and loss statements, auditors' report (in case of companies/corporation), etc to be submitted along with technical bid.
02.	BOQ SECTION (A) PLANTATION ITEM No.1.13	Tender BOQ	FOR: American blue lawn-in-form of slabs with size 2' x1' (0.040 x 0.30) READ: Providing and laying American blue lawn by dibbling.
03.	BOQ SECTION (A) PLANTATION ITEM No. 1.1.TO 1.12,1.14 TO 1.20,1.22 TO 1.40, BOQ SECTION (B) PLANTATION FOR THE AREA ALONG NALA SIDE ITEM No. 1.41,1.42 to 1.49, BOQ SECTION (D) IRRIGATION WORK ITEM No. 2,3 TO 5	Tender BOQ	FOR: Unit : No READ: Unit : Nos.
04.	BOQ SECTION (A) PLANTATION ITEM No. 1.13,1.21, BOQ SECTION (B) PLANTATION FOR THE AREA ALONG NALA SIDE ITEM No. 1.42, BOQ SECTION (C) HARDSCAPE ITEM No. 1(a),1(b),3	Tender BOQ	FOR: Unit : Sq.m READ: Unit: Sq.mt.
05.	BOQ SECTION (C) HARDSCAPE ITEM No.2, BOQ SECTION (D) IRRIGATION WORK ITEM No.1	Tender BOQ	FOR: Unit : rm READ: Unit: r.mt.
06.	BOQ ITEM No.1.36, 1.37 & 1.38.	Tender documents	FOR: C/C distance. READ: C/C distance - 0.75 - 0.90 mtr.



07.	ADDITION OF BOQ ITEMS	Tender documents	FOR : Providing manure New Item: Providing and mixing organic manure, cow dung/neempend/vermicompost/any equivalent manure with the existing soil and leveling the same.
08.	SECTION V SPECIFICATION OF LANDSCAPE WORK	Tender documents Section V	SPECIFICATION OF LANDSCAPE WORK: modified specification for landscape from A To H are enclosed along with pre-bid MOM
09.	COMPETITION PERIOD	Tender documents	21 Days from the date of Handing over of site by the Institute to Contractor to commence the work
10.	SITE VISIT	Asked by vendor	The scope of work was explained and site was shown to vendors.
11.	BID SUBMISSION	Tender document	Technical Bid Envelope: Forwarding Letter, Copy of Pre-bid M.O.M, complete tender documents, company profile, details of work experience for similar contracts completed/in hand and related documents as mentioned in tender duly signed and stamped on each page, EMD & Tender Fee. Commercial Bid Envelope: Duly filled and signed and stamped. [Note: Bidder should quote their rate as per revised BOQ only as enclosed along with pre-bid MOM]
NOTE: 1) Bid should be submitted on or before due date and time i.e. 17/06/2015 at 12:30 Hrs. 2) Bid received after due date and time will be rejected.			



SECTION - V SPECIFICATIONS OF LANDSCAPE WORKS

A. SCOPE OF WORK OF THE LANDSCAPE CONTRACTOR

1. The landscape contractor will be provided with the existing ground available for landscape works.
2. All cost, wages of workers, equipment required for development of work will be born by the landscape contractor.
3. Electricity will be provided to the landscape contractor on chargeable basis.
4. The client will provide source of water at one point.
5. The landscape contractor shall provide experienced labour, all necessary equipments- with their maintenance, and materials to complete the job as specified herein.
6. In event of, any damage caused during the course of landscape work, to the electrical wiring, plumbing, paving or any such existing work or objects on site, the landscape contractor will make good, damage immediately, at his own expense and till the satisfaction of the client.
7. In case of any modification recurred in the proposed work on site, the landscape contractor shall bring it to the notice of the client and the landscape architect.
8. The landscape contractor will attend fortnightly meetings during the course of work as and when scheduled without fail, in addition to carrying out daily visit required for carrying out the work.
9. The landscape contractor shall take responsibility of the security and safety of the material, equipments and labour on site during execution.
10. The landscape contractor may before tendering, inspect the Site or otherwise make himself aware with the extent of the Contracts Works, the Site conditions, and all local conditions and restrictions likely to affect the execution of the work.
11. The Landscape contractor shall not cause any nuisance to the client during execution of landscape work.
12. The landscape contractor shall use water and electricity efficiently and shall dose all the taps and electrical switches before leaving the site every day, during the execution of landscape works.
13. The landscape contractor shall clean the site in all respects before handing over the site.
14. The landscape contractor shall complete the job in the given time and as per the as per the specifications by providing sufficient labour and equipment.
15. The landscape contractor shall carry out work on site after the sun set and on Saturday evenings and Sundays unless otherwise specified/ allowed.
16. The landscape contractor shall take the responsibility of unloading the material, placing it at a proper identified position on site. The landscape contractor shall make necessary arrangements for the same on the site prior to unloading.
17. The landscape contractor shall place the unloaded plant species at a secured location on site.
18. The landscape contractor shall check the number, specifications and condition of the plant species unloaded as per the schedule of plants.
19. Workers/ labour of the landscape contractor will not be allowed to stay in any part of the site and the landscape contractor shall make the arrangements independently.
20. Watering the plants and the lawn regularly shall be the responsibility of the landscape contractor. Necessary labour, equipment, material for the same shall be arranged and managed by the landscape contractor.
21. Necessary arrangements shall be made by the landscape contractor for storing and securing the materials on site during execution.



B. ELECTRICAL WORK, IRRIGATION AND CIVIL WORK

1. All services related to outdoor electrical, irrigation and civil work shall be executed by the landscape contractor prior them to laying of the planting soil.
2. All labour, electrical fixtures, wiring, irrigation material, equipments, etc., necessary to complete the job shall be provided by the landscape contractor.
3. The electrical fixtures and the irrigation system shall be of standard make and the contractor shall get them approved from the client as and when required.
4. The landscape contractor shall carry out necessary civil work required as specified before laying the planting soil.
5. The landscape contractor shall check all the levels of the services in relation to the proposed finished surface levels.
6. Excavation in soil, sand or gravel, soft and hard murum/ filling of the soil, shall be carried out by the landscape contractor with his own labour and tools necessary for operation.

C. EXCAVATION AND PREPEARION OF GROUND FOR PLANTING

1. Each tree shall be planted in position as shown on plan, in the pits admeasuring at least 900mmx 900mm x 900mm
2. Each shrub and creeper shall be planted in position in the pits admeasuring at least 600mm x 600mm x 600mm (Applicable for large shrub variety only)
3. All the plants including ground covers, hedges, small shrubs, lawn, etc. will be planted in existing soil after addition & mixing of organic manure as per specification and leveling the same.
4. Excavation in soil, sand or gravel, soft and hard murum/ filling of the soil, shall be carried out by the landscape contractor with his own labour and tools necessary for operation.
5. The landscape contractor shall prepare the ground for plantation with required grading, level and slope.
6. All pits and pots prepared for planting shall be filled with specified soil mixture.

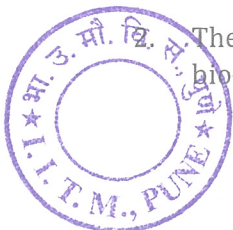
D. PLANT MATERIAL

- A. The landscape contractor shall supply species as specified in the schedule of plants.
- B. All plant species are to be supplied in varieties as per the specified schedule of plants.
- C. All species are to be well formed, healthy, transplanted or pot grown with vigorous sound roots true to type.
- D. Species, which do not meet the specifications, will be rejected by the Landscape Architect.
- E. The contractor shall convey the non-availability of any species /non-availability of its specified size/ height, if any to the Landscape Architect, and shall not replace any specie without informing the landscape consultant in writing to IITM and to the Landscape Architect.

E. SOIL MIXTURE FOR PLANTING

1. The entire planting shall be done in refilled pits or trenches or pots containing a well mixed composition of the following ingredients:
 - a. Planting soil (poita)- 3parts
 - b. Organic manure-1 part

The contractor shall use only good quality organic manure for supplementing of plant Nutrients and bio-pesticides for insects and pest management except in emergency use.



3. List and approximate quantity of the material for the composition of soil mixture used, shall be given by the landscape contractor.

1. Planting of all species shall be done after getting the lineout on site approved by the Landscape Architect by placing the plants at their respective locations as per the planting plan.
2. The positioning, location and pattern of planting to be approved by the Landscape Architect.
3. The soil mixture shall be laid to proper slopes (minimum 2%) for surface drainage. The soil shall be properly raked and watered thoroughly before dibbling the lawn,
4. Planting of lawn of specified type shall be of good quality rooted grass and shall be planted by dibbling method.
5. The lawn shall be maintained and the gaps shall be repaired till it gets a uniform carpet.
6. The landscape contractor shall be required to do proper top dressing, rolling and periodically hand cutting or machine mowing during the defects liability period in order to maintain the lawn in perfect condition.
7. The landscape contractor shall establish the lawn to its required level, shape, slope and proper state, till it gets established for the next one year of defects liability period. He shall replace/ reestablish the damaged or un-grown patches as required from time to time.

1. The size of trees as given in list should be 5'-8' in height with dense foliage & healthy branching from bottom.
2. Each tree shall be secured erect with minimum three numbers of stout / straight stakes with average diameter 50mm; these stakes shall be of soft wood or bamboo and should have a clear height of 6feet above the ground and 2 feet below the ground. They shall remain in position till the tree gets established to its proper position, till the completion of defects liability period
3. One of the stakes shall be driven in to the hole before the tree is planted and the tree is secured to the bottom of the branch.
4. The rest tie shall be secured loosely to a tree as high of the stake as practicable.
5. The tree/ shrub pits shall be refilled with soil mixture after planting is done.
6. The shrubs shall be supported if necessary with diagonally driven sticks.
7. Necessary clipping and support shall be provided for creepers.
8. Pruning the branches of existing trees on site shall be done as specified and applying a solution for stopping the irregular growth of the cut branch.
9. The procured pebbles shall be of uniform size, colour and shape as specifies, and shall be washed with clean water before placing on the required position.
10. The landscape contractor shall protect the species (which are stored and planted) from coming in contact with civil construction materials such as cement, acids, colours, etc..
11. Watering and taking care of the planted species including lawn till they get established in place, ensuring the proper positioning of supports, de-weeding, cleaning of site due to planting work, shall be carried out by the landscape contractor on daily basis.

H. DEFECTS LIABILITY PERIOD

1. The defects liability period will be for **one year** after the virtual completion of work which is handing over of the site to the client. On start of the defect liability period contractor has to provide **free maintenance for 12 months**.
2. Defects liability period will commence only after obtaining a certificate from the client, confirming the virtual completion of the landscape work.
3. Within the defects liability period, any dead/ damaged species/ lawn, shall be replaced and any fault in electrical/ irrigation work shall be repaired by the landscape contractor.
4. For virtual completion of the work, the landscape shall give in writing, the date of handing over.
5. The Landscape contractor shall visit the work periodically within the defects liability period after handing over the site.



(REVISED BOQ AS PER PRE-BID MOM)



IITM/CE/CCCR
Office/Landscape/2015/04
**Landscape works for CCCR Office
Building at IITM, Pashan, Pune.**

REVISED BoQ

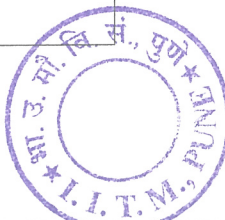
COMMERCIAL BID VOL-II



PROJECT: PROPOSED LANDSCAPE WORK FOR CCCR OFFICE BUILDING AT IITM CAMPUS, PASHAN ROAD.,PUNE

Revised BILL OF QUANTITIES

SR. NO	ITEM DESCRIPTION	C/C DISTANCE IN mtr	UNIT	QTY	Rate to be filled by vendor			Amount
					Basic rate	Taxes		Total rate Basic + Tax
						Vat	S.T	
A	SOFTSCAPE							
1	Addition of Organic manure to existing soil :							
1.1	Providing, mixing thoroughly, mixing the mixture upside down & laying the organic manure viz, cow dunk / neem pen/ vermi compost / any other equivalent - organic manure to the existing garden soil already laid on site with a depth of 30cm (1') around the buildings for the specified area as given below with levelling the soil mixture so as to drain the excess water automatically.							
	Area covered with already laid soil.		Sq.mt	4245				
1.2	Providing, mixing thoroughly, mixing the mixture upside down & laying the organic manure viz, cow dunk / neem pen/ vermi compost / any other equivalent - organic manure to the existing garden soil already laid on site with a depth of 15cm (6') along nala side around the buildings for the specified area as given below with levelling the soil mixture so as to drain the excess water automatically.							
	Area covered with already laid soil.		Sq.mt	1110				
2	Plantation of the plant variety as given below at the positions specified given in the plantation plan:							
2.1	FLORIBUNDA ROSE WITH RED COLOURED FLOWERS	0.45-0.60	Nos	210				
2.2	LANTANA CAMARA WITH YELLOW COLOURED FLOWERS	0.30-.045	Nos	330				
2.3	VARIATED CANNA WITH RED LEAVES	0.60-0.75	Nos	70				
2.4	ALPINIA SANDERAE	0.60-0.75	Nos	55				
2.5	LANTANA CAMARA WITH PURPLE COLOURED FLOWERS	0.30-.045	Nos	620				
2.6	FLORIBUNDA ROSE WITH ORANGE COLOURED FLOWERS	0.45-0.60	Nos	630				
2.7	LANTANA CAMARA WITH WHITE COLOURED FLOWERS	0.30-.045	Nos	180				
2.8	PLUMBAGO AURICULATA		Nos	395				
2.9	JATROPA PANDURAEFOLIA	0.45-0.60	Nos	330				
2.10	MUSSANDAE ERYTHROPHYLLA	0.75-0.90	Nos	32				
2.11	CANNA WITH ORANGE FLOWERS	0.45-0.60	Nos	90				
2.12	OPHIPOGON JAPONICUS	0.23-0.30	Nos	2467				
2.13	AMERICAN BLUE LAWN-IN FORM OF SLABS WITH SIZE 2'X1'(0.40X0.30)	EDGE TO EDGE	Sq.mt	537.9				
2.14	PELARGONIUM HORTORUM(GYRANUM WITH VARIETIES OF ALL AVAILABLE COLOURED FLOWERS	0.23-0.30	Nos	445				
2.15	LANTANA CAMARA WITH RED COLOURED FLOWERS	0.30-.045	Nos	175				
2.16	TABERNAEMONTA CORONARIA(TAGAR)	0.75-0.90	Nos	8				
2.17	LEEAE RUBRA	0.45-0.60	Nos	127				
2.18	SANCHEZIA NOBILIS	0.30-.045	Nos	87				
2.19	TECOMA GAUDICHAUDI	0.60-0.75	Nos	230				
2.20	THRYALLIS GLAUCA (GALPHIMIA)	0.45-0.60	Nos	115				
2.21	PASPYLAM LAWN		Sq.mt	90.54				
2.22	HIBISCUS ROSA-SINESIS-SNOW FLAKE (VARIAGATED VARIETY)	0.45-0.60	Nos	62				



2.23	HIBISCUS-GRAFTED VARIETIES WITH FLOWERS OF DIFFERENT COLOURS	0.60-0.75	Nos	80					
2.24	TECOMARIA CARPENSIS		Nos	82					
2.25	PENTAS LANECO LATA-WITH DARK PINK COLOURED FLOWERS	0.30-.045	Nos	72					
2.26	CUPHEA HYSSOPIFOLIA WITH WHITE COLOURED FLOWERS	0.23-0.30	Nos	900					
2.27	GOLDEN BAMBOO	0.60-0.75	Nos	25					
2.28	FLORIBUNDA ROSE WITH WHITE COLOURED FLOWERS	0.30-.045	Nos	75					
2.29	ALLAMANDA SCOTTI		Nos	125					
2.30	CHINA ROSE	0.23-0.30	Nos	450					
2.31	LEEA COCCINEA	0.30-.045	Nos	107					
2.32	THUMBERGIA ERECTA		Nos	290					
2.33	SPIDER LILY	0.45-0.60	Nos	82					
1.34	TABERNAEMONTANA CORONARIA-VARIEGATE (VARIEGATED TAGAR)	0.30-.045	Nos	102					
2.35	IXORA COCCINEA	0.60-0.75	Nos	62					
2.36	NERIUM OLEANDER WITH PINK COLOURED FLOWERS	0.75-0.90	Nos	12					
2.37	NERIUM OLEANDER WITH RED COLOURED FLOWERS	0.75-0.90	Nos	15					
2.38	NERIUM OLEANDER WITH WHITE COLOURED FLOWERS	0.75-0.90	Nos	7					
2.39	HELICONIA HUAVILIS	0.45-0.60	Nos	57					
2.40	CANNA WITH YELLOW FLOWERS	0.30-.045	Nos	87.5					
	PLANT NAME								
	PLANTATION FOR THE AREA ALONG NALA SIDE:								
2.41	RUSSELIA JUNEA	0.60-0.75	Nos	90					
2.42	PASPYLUM LAWN	PLANTED BY DIBBLING AT 0.15M C/C	Sq.mt	82.33					
2.43	CHLOROPHYLLUM COMOSUM	0.23-0.30	Nos	957					
2.44	ZEBRINA PENDULA/SETCREASEA PURPUREA	0.30-.045	Nos	897					
2.45	SPRINGERI/RHOEO SPATHACEA	0.30-.045	Nos	875					
	LARGE TREES:		Nos						
2.46	CARYOTA URENS(FISHTAIL PALM)	POSITION AS SPECIFIED IN THE PLANTATION PLAN	Nos	10					
2.47	CASSIA FISTULA		Nos	3					
2.48	PONGAMIA PINNATA		Nos	2					
2.49	LAGERSTROEMIA SPECIOSA(TAMHAN)		Nos	2					
	TOTAL - A								
B	HARDSCAPE								
3	Providing and preparing a layer of min. 1.5" to 2" of coloured gravel as specified in the drawing at the areas as given in the drawing with Levelling the areas to be covered with gravel, watering and ramming the surfaces before putting the gravel in place.								
	(a) Grey gravel		Sq.mt	1125					
	(b) Purple gravel		Sq.mt	272.7					
4	Brick edging full brick width & half brick depth including excavation,refilling & disposal of surplus earth lead upto 50 mtrs.		R.mt	645.3					



5	Painting to brick edging: Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)		Sq.mt	968					
	TOTAL - B								
C	IRRIGATION WORK								
6	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm nominal outer dia Pipes.		R.mt	271.4					
7	Providing and fixing brass stop cock of approved quality: 25 mm nominal bore		Nos	8					
8	Providing & Installing in position submersible pump of capacity 2 HP, one pump as working & another for stand by provision of Kirloskar / crompton greaves / M & R / Grandfors make with automated control panel and all other accessories etc.complete.		Nos	2					
9	Providing and installing in position a pressure tank with a capacity of 20 ltr along with all accessories, joiners etc complete.		Nos	1					
10	Providing & laying 15mm dia.meter UPVC Pipe with a header and valves, along with all joints, couplings & all other required accesseries, fittings, trenching, refilling & teasting of joints complet as per direction of Engineer in charge.		Nos	13					
	TOTAL - C								
	TOTAL = A+ B + C								

(Rupees In Words _____)

