

**TIDEL PARK COIMBATORE LTD**

(A JV of TIDCO,ELCOT,TIDEL &amp; STPI )

**INTERNATIONAL TECHNO COMMERCIAL TENDER  
PART - II - BILL OF QUANTITIES****LANDSCAPING AND RELATED WORK AROUND THE BUILDING COMPLEX OF  
INFORMATION TECHNOLOGY PARK AT VILLANKURICHI (SEZ AREA ), COIMBATORE****DUE DATE FOR SUBMISSION : ON OR BEFORE 26th MARCH 2010 AT 15.00 HOURS****TO BE SUBMITTED TO :**

The Chairman  
M/s. TIDEL Park Coimbatore Ltd  
( First Floor - TIDEL Park )  
4, Rajiv Gandhi salai,  
Taramani,Chennai - 600 113 - INDIA  
Telephone No : +91 44 22540500/501  
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**ARCHITECTS & ENGINEERS**

M/s. C.R.Narayana Rao  
Architects & Engineers  
10,Karpagambal Nagar,  
Mylapore,Chennai-600 004 - INDIA  
Tel No: 044-24991676 (4 lines )  
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**OWNER'S ENGINEER**

M/s.TATA CONSULTING ENGINEERS LTD  
#73/1,Sheriff Centre,  
St.Marks Road,  
Bangalore -560001- INDIA  
Tel No: 080-66226000  
Fax No: 080-22274873

**BID SUBMITTED BY:**

M/s. \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

**FEBRUARY 2010**

<b>TIDEL PARK COIMBATORE LTD</b>				
<b>( A JV OF TIDCO, ELCOT, TIDEL &amp; STPI )</b>				
<b>BUILDING COMPLEX OF INFORMATION TECHNOLOGY PARK AT VILANKURICH (SEZ AREA), COIMBATORE</b>				
<b>BILL OF QUANTITIES FOR LANDSCAPE WORKS</b>				
Sl.No.	Description of works	Amount (Rs)		Total in (Rs)
		Location - A (Around the Building )	Location - B ( OSR Area )	
1	<b>HARDSCAPE WORKS</b>			
2	<b>SOFTSCAPE WORKS</b>			
3	<b>Sprinkler Irrigation System</b>			
4	<b>Operation &amp; Maintenance</b>			
	<b>Sub-Total</b>			

Date:

Place:

Signature of the Bidder with seal

TIDEL PARK COIMBATORE LTD ( A JV OF TIDCO, ELCOT, TIDEL & STPI )					
BUILDING COMPLEX OF INFORMATION TECHNOLOGY PARK AT VILANKURICH (SEZ AREA), COIMBATORE					
BILL OF QUANTITIES FOR LANDSCAPE WORKS					
S.No	Descriptions	Units	Qty	Rate (Rs)	Amount (Rs)
	<b>LOCATION - All areas around the Building and Entrance:</b>				
<b>I</b>	<b>PROVIDING HARDSCAPE WORKS: (Section A)</b>				
<b>I</b>	<b>Water court at the building entrance:</b>				
a	Construction of a water court with a concept of raised Mirror pond in concentric forms with floating stones alternating with grass strips and raised planters etc. Rate to include all required PCC, RCC works, Reinforcements, brick masonry works, water proofing works, etc all complete as per the design and drawing including the filtration chamber. (Refer DWG Nos: TPCBE - Arch-GL-2009-108628, TPCBE-Arch-GL-2010-111993)	M <sup>2</sup>	150		
b	Supply and Laying of 30mm thick 200mm wide fine bush hammered Rustic yellow granite with mitre joints as coping for the mirror pond as shown in drawing.(Ref DWG No: TPCBE - Arch-GL-2009-108628, TPCBE-Arch-GL-2010-111993)	Rm	195		
c	Supply and Laying of the inner water holding area with crystal glass mosaic tiles of 50 x 50mm size with BAL Endura or equivalent make adhesive, etc all complete (Ref DWG No: Refer DWG Nos: TPCBE - Arch-GL-2009-108628, TPCBE-Arch-GL-2010-111993)	M <sup>2</sup>	175		
d	Supply and Laying of fine bush hammered 30mm thick light grey granite as stepping stones in the water body and as walking bay on a sand bed with grass joints around the court as directed. (Refer DWG No: Refer DWG Nos: TPCBE - Arch-GL-2009-108628, TPCBE-Arch-GL-2010-111993)	M <sup>2</sup>	120		
e	Supply and fixing of 3 line dressed Rustic yellow granite ball of size 900mm dia as directed. ( Refer DWG Nos: TPCBE - Arch-GL-2009-108628, TPCBE-Arch-GL-2010-111993)	Nos	2		
f	Supply and cladding the raised planter walls with 20mm thick polished light grey granite with 5mm groove in the joints as directed. (Refer DWG No:Refer DWG Nos: TPCBE - Arch-GL-2009-108628, TPCBE-Arch-GL-2010-111993)	M <sup>2</sup>	27		
g	Supply and cladding of the planter coping with 30mm thick 300 wide polished Rustic yellow granite with mitre joints. (Refer DWG No: Refer DWG No:Refer DWG Nos: TPCBE - Arch-GL-2009-108628, TPCBE-Arch-GL-2010-111993)	Rm	32		

S.No	Descriptions	Units	Qty	Rate (Rs)	Amount (Rs)
h	Supply and installation of 50mm dia foam jet bubbler with all control and accessories etc all complete. ( Refer DWG Nos: TPCBE - Arch-GL-2009-108628, TPCBE-Arch-GL-2010-111993)	Nos	8		
i	Designing, Supply and Installation of Mechanical and Electrical works includes of all piping and plumbing works, 2 HP pumps for the still pond and water jets including all accessories and controls panels etc all complete.(Shop drawings for piping and plumbing works, Design calculations for the capacity of pump should be submitted by the landscaping contractor for clients, Architect's approval in <b>Part I (Techno- Commercial ender)</b> )	Set	2		
j	Supply and Installation of 12V 50W halogen under water lights with all transformer, accessories and controls, etc all complete (Refer DWG No: TPCBE - Arch-GL-2009-108631)	Nos	22		
k	Designing, Supply and Installation of a filtration system with sand media filter of Emaux (Imported) or equivalent, chlorine dosing system etc, with all accessories, etc all complete.(Shop drawings for the system, design calculations should be submitted by the landscaping contractor for clients, Architect's approval.)	Set	1		
l	Supply and Installation of pool cleaning kit, set with all accessories etc; all complete. (Brand: Emaux (Imported) or equivalent)	Set	1		
<b>II</b>	<b><u>Sub soil drainage system for the Podium areas</u></b>				
a	Supply and Laying of vertical (Imported vertical drainage cells) of 30mm the HDPE material with interlocked mechanism wrapped with 155 gm imported non woven needle punched geo textile fabric including all screed to fall, water drain spouts, etc all complete for the planting area on the Basement slab (main drain provision to be provided the Plumbing contractor) (Refer DWG No:Refer DWG No: TPCBE - Arch-GL-2009-108632	M <sup>2</sup>	950		
<b>III</b>	<b><u>Water feature in Front of the signagewall</u></b>				
a	Providing and Constructing masonry works for the water feature, including, excavation, Sand Filling, PCC, RCC, reinforcement, Water Proof Plastering, etc all complete as per the design and as directed. (Refer DWG No: TPCBE - Arch-GL-2010-111993)	M <sup>2</sup>	16		
b	Supply and cladding the coping of the water feature with 40mm thick flammed light grey granite with nosing.Rate shall be inclusive of required manpower, tools and tackles etc; all complete. (Refer DWG No: TPCBE - Arch-GL-2010-111993)	Rm	14		
c	Supply and cladding the water holding pool with glan mosaic tiles of appropriate colour mix. Rate shall be inclusive of required manpower, tools and tackles etc; all complete. (Refer DWG No: TPCBE - Arch-GL-2010-111993)	M <sup>2</sup>	24		

S.No	Descriptions	Units	Qty	Rate (Rs)	Amount (Rs)
d	Supply and Installation of 50mm dia foam jet nozzled with all accessories and controls as directed. (Refer DWG No: TPCBE - Arch-GL-2010-111993)	Nos	7		
e	Supply and Installation of 12V 50W halogen under water lights with all transformer, accessories and controls, etc all complete.	Nos	7		
f	Designing, Supply and Installation of Mechanical and Electrical works includes of all piping and plumbing works, 2 HP pumps still pond and water jets including all accessories, controls panels etc all complete. (Design calculations to be submitted for approval for the capacity of pump)	Set	1		
<b>Sub total for the Hardscape Works -- (A)</b>					
<b>II SOFTSCAPE WORKS (Section B)</b>					
<b>A Screening Tree / Avenue Tree</b>					
	Excavating pits of size 0.75m x 0.75m x 0.75m filling them with supplied garden soil mixture of farmyard manure, red earth and river sand in appropriate ratios, procuring and planting specified nursery grown Trees, supporting it with a sturdy stake put in to the pit by the side of the saplings and tied to it. The spacing, location and other details as per the drawings and specifications. Rate to include for plant cost, transport, pit and soil preparation, installation, labour, disposing the surplus earth, twelve months maintenance, etc., all complete.				
2	Bauhenia blackaenea - 2.5m	Nos	5		
3	Spathodea companulata - 4m	Nos	25		
4	Peltophorum ferrugenum - 4m	Nos	14		
5	Cordia sebastenae - 3m	Nos	13		
6	Delonix regia - 4m	Nos	13		
7	Millingtonia hortensis - 3m	Nos	13		
8	Lagestromea rosea - 2m	Nos	2		
<b>B Accent Plants</b>					
1	Roystonea regia - 5m	Nos	21		
2	Wodyetia bifurcata - 4m (over all ht)	Nos	46		
3	Nephrolepis biseretta	Nos	100		
4	Alphenia zerumbett - 0.5m	Nos	20		
5	Rhapsis excelsa - 1m	Nos	75		
6	Cycus revoluta - 1m	Nos	6		
7	Kentia Sp. - 2.5m	Nos	20		
8	Phyllostachys sulphurea - 2.5	Nos	13		
9	Ravenella madagascariensis - 2m	Nos	10		
10	Ficus benjamina black - 1.2m	Nos	505		
11	Melaleuca Gold - 2m	Nos	50		
12	Plumeria rubra - 3m	Nos	4		
14	Ficus panda - 1m bushy	Nos	760		
15	Phyllodendron zanadu - 0.5m	Nos	50		

S.No	Descriptions	Units	Qty	Rate (Rs)	Amount (Rs)
<b>C Shrubs &amp; Ground Covers</b>					
	Excavating pits of size 0.30m x 0.30m x 0.30m for shrubs and 0.15m x 0.15m x 0.15m for ground covers, filling with supplied garden soil mixture of farmyard manure, red earth and river sand in appropriate ratios, Procuring and planting specified nursery grown shrubs of minimum height 0.3m - 0.45m, the spacing location and other details as per the drawings and specifications. Rate to include for all plant cost, transport, pit and soil preparations, installation, labour, disposing the surplus earth, twelve months maintenance, etc., complete.				
1	Hamelia pattens	Nos	720		
2	Bougainvillea glabra	Nos	900		
3	Hymenocallis litrollis	Nos	1065		
4	Duranta goldiana	Nos	1100		
5	Pennisetum rubrum	Nos	340		
6	Ficus hyferophyla	Nos	450		
7	Nerium oleandar dwarf	Nos	270		
8	Acalypha tricolor	Nos	870		
9	Ixora duffy red	Nos	605		
10	Lantana mauve	Nos	200		
11	Acalypha green	Nos	235		
12	Tecomaria capensis	Nos	165		
13	Clerodendron inermi - green	Nos	635		
14	Clerodendron variegated	Nos	295		
15	Plumbago capensis	Nos	150		
19	Lantana blue	Nos	90		
<b>D Laying of G2 Grass by dibbling</b>					
	Procuring with G-2 Hybrid grass obtained from a healthy and properly maintained lawn free from weeds and other foreign materials and laying on the supplied soil medium with garden soil mixture of farmyard manure, river sand and red earth in appropriate ratios to an average depth of 0.15m, as dibbling, the location and other details as per the drawings and specifications. Rate to include for all plant cost, leveling, rolling the soil, transport, soil preparation, installation, labour, disposing the surplus earth, maintenance for twelve months etc., complete.	M <sup>2</sup>	675.00		
<b>E Earth Works</b>					
<b>1 Providing top Soil Mix for Plants and Mounds</b>					
	In the ratio of 2:1:1 of good quality red earth, river silt and manure with all pesticides, fungicides, nutrients and plant growth regulators, etc. Additives / m3 of Top soil mix 19:19:19 complex of NPK @ 1Kg/m3 Bavistine @ 50 gm / m3 Bio organic fertiliser with all Bio inoculants suchas, trichoderma, azorpyrillum, azatobacter, psuedomonas, etc - 10 Kg / m3	M3	610.00		
<b>Sub total for the Softscape Works -- (B) in Rs.</b>					

S.No	Descriptions	Units	Qty	Rate (Rs)	Amount (Rs)
<b>III</b>	<b>Sprinkler Irrigation System (Section c)</b>				
	<b>Pop-Up Sprinkler System (USA)</b>				
	Designing, supply, installation and commissioning of landscape irrigation system with TORO (USA) brand sprinkler heads with all controls, accessories, pump etc all complete as specified below.				
	<b>PVC pipes conform to IS 4985: 1988 with necessary PVC fittings of solvent welded type Brand: Finloex/Equivalent, India</b>				
1	Pvc pipe 20mm x10ksc	mts	60		
2	PVC Pipe 25mm x 10 ksc	mts	30		
3	PVC Pipe 32mm x 10 ksc	mts	30		
4	PVC Pipe 40mm x 6 ksc	mts	120		
5	PVC Pipe 50mm x 6ksc	mts	90		
6	Pvc pipe 63mm/ 6 ksc	mts	300		
7	Pvc pipe 75mm/ 6 ksc	mts	60		
8	<b>Sprinkler 4.5 - 5 mts Radius</b>				
	<b>Pop-Up Gear driven sprinkler TORO(USA)/Equivalent</b>	nos	30		
9	Ball valve Pvc 2"	nos	2		
10	Ball valve PVC 1.5"	nos	3		
11	Air release valve 1"	nos	1		
12	Valve Box-Round	nos	5		
13	Hydrant for hose irrigation	nos	6		
14	Gate valve 2.5"/2"	nos	1		
15	Drippers-8lph	nos	500		
16	Lateral 16mm with fittings	mt	750		
17	Screen filter 2"	nos	1		
18	5HP submersible monobloc pump with control panel and accessories ( Make : Grundfos or equivalent)	nos	1		
19	Nonreturn valve 2"	nos	1		
20	Suction and delivery fittings	LS			
21	Starter and cable accessories	LS			
22	Earthwork Excavation & Backfilling Charges	Cu.m	90		
23	Laying fixing of Sprinklers,pipes, valves and Commissioning of the System	LS			
	<b>Sub total for the Sprinkler Irrigation Works -- (C) in Rs.</b>				
<b>Total Amount for Section(A) + Section(B) + Section (C) in Rs.</b>					

S.No	Descriptions	Units	Qty	Rate (Rs)	Amount (Rs)
	<b>LOCATION : OSR Area (Optional)</b>				
<b>I</b>	<b>HARDSCAPE WORKS: (Section A)</b>				
	<b>(Refer DWG Nos: TPCBE -Arch-GL-2010 -111993; TPCBE -Arch-GL-2009 -108628)</b>				
	<b>Stone court with seating at the entrance</b>				
a	Providing a circular stone court along with raised tree court cum seating plaza. Rate to includes all excavation, compaction of the base, creating a compacted sub base out of 200mm thick WBM and sand gravel Mix, 1:2:4 concrete Mix to a thickness of 150mm, etc and required manpower, tools and tackles etc; all complete.	M <sup>2</sup>	575		
b	Supply and laying raised planters for the tree court cum seater with black random rubble stone masonry works without pointing at the front as batch work as per the design.Rate shall be inclusive of required manpower, tools and tackles etc; all complete.	M <sup>2</sup>	68		
c	Supply and cladding the coping of the tree court planters with 300mm wide 50mm thick polished light grey stones with mitre joints.Rate shall be inclusive of required manpower, tools and tackles etc; all complete.	Rm	68		
d	Supply and Laying of the tree court flooring with 30mm thick Bush hammered light grey granite stone with mitre joints.Rate shall be inclusive of required manpower, tools and tackles etc; all complete.	M <sup>2</sup>	65		
e	Supply and Laying of the walk ways around the tree court with 30mm thick bush hammered Black granite cobble of size 150mm x 150mm with 5mm groove between the joints on a cement motor.Rate shall be inclusive of required manpower, tools and tackles etc; all complete.	M <sup>2</sup>	320		
f	Supply and Laying of the Bands with 30mm thick bush hammered Rustic yellow granite stones with 5mm groove between joints.Rate shall be inclusive of required manpower, tools and tackles etc; all complete.	M <sup>2</sup>	45		
g	Supply and Laying of carved stone blocks of upto 1200mm height with bush hammered finish out of Rustic yellow granite as per the design.Rate shall be inclusive of required manpower, tools and tackles etc; all complete.	Rm	30		
h	Supply and Laying of 50mm thick bush hammered light grey granite stones with in strips of 300mm wide on a sand base with grass joints as per the design.Rate shall be inclusive of required manpower, tools and tackles etc; all complete.	Rm	126		

S.No	Descriptions	Units	Qty	Rate (Rs)	Amount (Rs)
i	Supply and Laying of 100mm thick and 20mm high outer edge 10mm chamfer finished Rustic yellow granite kerb stones laid on a PCC base on the outer edge of the stone court.Rate shall be inclusive of PCC and required manpower, tools and tackles etc; all complete.	Rm	208		
j	Supply and laying of rough dressed granite stone on a sand bed of 50mm thk. as per the design. Rate shall be inclusive sand filling and required manpower, tools and tackles etc; all complete.	M <sup>2</sup>	295		
k	Supply and installation of 3 line dressed rough granite stone benche of size 1200mm x 500mm.Rate shall be inclusive necessary tools and tackles etc; all complete.	Nos	8		
<b>I</b>	<b>PERGOLA</b>				
	Fabrication and Installation of a pergola with 100mm x 100mm x 3.5m size MS poles and purlin and rafters with 100mm x 50mm and 2.5m width, as per the design with 2 coats of primers and 2 coats of dull grey coloured exterior enamel paint and rate shall be inclusive of cladding the poles of the pergola with black granites tile of size 300mm x 300mm & 200mm x 200mm in sandwiched layers for the poles as per the design. (Refer DWG No: TPCBE-Arch-GL-2009-108630; TPCBE-Arch-GL-2009-108628)	Nos	4		
	<b>Sub total for the Hardscape Works -- (A) in Rs.</b>				
<b>II</b>	<b>SOFTSCAPE WORKS (Section B)</b>				
<b>A</b>	<b>Screening Tree / Avenue Tree</b>				
1	Samanea saman -4m	Nos	35		
2	Bauhenia blackaenea - 2.5m	Nos	15		
3	Sterculia foetida - 3m	Nos	30		
<b>B</b>	<b>Accent Plants</b>				
1	Plumeria alba - 3m	Nos	9		
2	Ficus benjamina black - 1.2m	Nos	210		
<b>C</b>	<b>Shrubs &amp; Ground Covers</b>				
1	Plumbago capensis	Nos	150		
2	Duranta goldiana	Nos	1045		
3	Cuphaea hyssopifolia	Nos	175		
4	Pennisetum rubrum	Nos	80		
5	Russelia juncea	Nos	90		
6	Lantana mauve	Nos	70		
7	Acalypha tricolor	Nos	1060		
8	Caesalpenia pulcherimma - 1.2m	Nos	675		
9	Tabernaemontana caronaria variegata	Nos	510		
10	Rheo compacta	Nos	2000		
<b>D</b>	<b>Laying of G2 Grass by dibbling</b>	M2	2200		

S.No	Descriptions	Units	Qty	Rate (Rs)	Amount (Rs)
<b>E</b>	<b>Earth Works</b>				
<b>1</b>	<b>Providing top Soil Mix for Plants and Mounds</b>				
	In the ratio of 2:1:1 of good quality red earth, river silt and manure with all pesticides, fungicides, nutrients and plant growth regulators, etc.				
	Additives / m3 of Top soil mix				
	19:19:19 complex of NPK @ 1Kg/m3				
	Bavistine @ 50 gm / m3				
	Bio organic fertiliser with all Bio inoculants suchas, trichoderma, azorpyrillum, azatobacter, psuedomonas, etc - 10 Kg / m3	M3	650.00		
	<b>Sub total for the Softscape Works -- (B) in Rs.</b>				
<b>III</b>	<b>Sprinkler Irrigation System (Section c)</b>				
	<b>Pop-Up Sprinkler System (USA)</b>				
	Designing, supply, installation & commissioning of landscape irrigation system with TORO (USA) brand sprinkler heads with all controls, accessories, pump etc all complete, specified below.				
	<b>PVC pipes conform to IS 4985: 1988 with necessary PVC fittings of solvent welded type</b> <b>Brand: Finloex/Equivalent, India</b>				
1	PVC Pipe 25mm x 10 ksc	mts	90		
2	PVC Pipe 32mm x 10 ksc	mts	30		
3	PVC Pipe 40mm x 6 ksc	mts	360		
4	PVC Pipe 50mm x 6ksc	mts	90		
5	Pvc pipe 63mm/ 6 ksc	mts	60		
6	Pvc pipe 75mm/ 6 ksc	mts	300		
7	<b>Sprinkler 12 mts Radius</b>				
	<b>Pop-Up Gear driven sprinkler TORO(USA)/Equiv</b>	nos	50		
8	Ball valve Pvc 2"	nos	8		
9	Ball valve PVC 1.5"	nos	2		
10	Valve Box-Round	nos	10		
11	Hydrant for hose irrigation	nos	4		
12	Gate valve 2.5"/2"	nos	2		
13	Drippers-8lph	nos	250		
14	Lateral 16mm with fittings	mt	250		
15	Earthwork Excavation & Backfilling Charges	Cu.m	130		
16	Laying fixing of Sprinklers, pipes, valves and Commissioning of the System	LS			
	<b>Sub total for the Sprinkler Irrigation Works -- (C) in Rs.</b>				
<b>Total Amount for Section(A) + Section(B) + Section (C) in Rs.</b>					

**TIDEL PARK COIMBATORE LTD  
( A JV OF TIDCO, ELCOT, TIDEL & STPI )**

**BUILDING COMPLEX OF INFORMATION TECHNOLOGY PARK AT VILANKURICHI  
(SEZ AREA), COIMBATORE.**

**BILL OF QUANTITIES ( Operation and Maintenance)**

**Comprehensive (including the cost of replacement of plants, shrubs, trees and sprinkler system controls, accessories, pump etc all complete)**

**OPERATION AND MAINTENANCE SERVICE CONTRACTS:**

a) The scope of Comprehensive Maintenance Service Contract shall entail the successful Bidder to bear the full responsibility for all kinds of maintenance such as short term, long term, routine, emergency maintenance etc. The successful Bidder shall be required to post at site adequate number of personnel for full time, round the clock maintenance. Such personnel posted at site must have appropriate qualification and experience to ensure trouble free and continuous operation of the entire system. Senior officers from the successful Bidder's organisation must monitor the work of the field personnel periodically. Detailed documentation must be maintained of all the work undertaken at site. Adequate spares must be maintained at site stores to ensure that the down time is minimal. Maintenance schedule and routines must be submitted to OWNER and any maintenance work must be undertaken after obtaining approval/permission of the OWNER.

Bidder shall mention the minimum personnel who will be deployed at site for operation and maintenance

b) The Operation contract period shall be for full period of four years and Maintenance service contract shall be for a full period of 3 (three) years after the Defects Liability period (DLP) of One year with effect from the date of handing over of Landscaping system after testing, commissioning etc., as covered in the contract.

c) Lump sum offer for each year of Service Contract period of four years for operation and 3(three) years for maintenance shall be made and the offer shall remain firm till the end of service contract period and no escalation on whatsoever account shall be considered

d) Payment shall be quarterly at the end of each quarter of an year of satisfactory completion, which decision rests with **OWNER**.

e) Any expenditure incurred by **OWNER** due to defective service rendered under the service contract shall be recovered from the payment of installments.

f) Bidders are required to furnish full details of service facility available in Coimbatore. They shall also furnish the maximum time period within which the service personnel would attend to any complaint by users in the performance of the system.

g) The rate shall include all spares required for satisfactory maintenance of the installation ( including plants, shrubs and trees and ground coverage ) and required spares shall be sought from the Owner kept at stores. The rate shall also exclude for all consumables including power required for satisfactory maintenance.

<b>S.No.</b>		
1	<b>Maintenance : (including the cost of replacement of plants,shrubs,trees and sprinkler system controls,accessories,pump etc; all complete.)</b>	<b>For Around the Building and OSR Area</b>
	Comprehensive Operation & Maintenance of the system supplied, installed, Commissioned by the successful tenderer for 4 years beyond the Defects Liability Period (DLP). Consists of clearing a way without leaves, removal of dry leaves and disposing of the waste and maintenance as specified in CI : 3.11& 3.12 and other clauses of Technical specification. (The successful tenderer shall keep the essential plant items,spares at TPCL site during the defects liability period for maintenance. The balance necessary spares can be taken back after the defects liability period)	
	The successful tenderer shall keep the essential spares at TPCL site during the Defects Liability Period to avoid the delay in attending faults / maintenace. After the DLP, any such replacement required for maintenace the cost will be paid by the Contractor for replacement.DLP -12 Months	
	The manpower proposed to be deployed should be. (a) Supervisor-1, Gardeners-5 have to be deployed full time basis. (b) 3 Gardeners have to be deployed for two days in a month for applying pesticides, manure, specilised work like trimming, etc.	
	First year after date of handing over (DLP)	Free Maintenance & Operation
	a. Second year from date of handing over.	
	b. Third year from date of handing over.	
	c. Fourth year from date of handing over.	
	d. Fifthy year from date of handing over.	
	<b>Total C/o to Summary - Amount in Rs.</b>	
	<b>Station :</b>	
	<b>Date :</b>	<b>Signature of Tenderer(s)</b>
	<b>The escalation for Maintenance cost for any consecutive year should not exceed 5% value of the Maintenance Lumpsum rate quoted by the tenderer</b>	
	<b>Station :</b>	
	<b>Date :</b>	<b>Signature of Tenderer(s)</b>

**LIST OF TENDER DRAWINGS**  
**LANDSCAPE & IRRIGATION WORKS**

Sl.No.	Description	DWG. No.	Rev.	DATE
1	SITE LANDSCAPE PLAN	TPCBE-Arch-GL-2009-108628	R0	24.11.09
2	LANDSCAPE AREA SECTIONAL ELEVATION DETAILS	TPCBE-Arch-GL-2009-108630	R0	24.11.09
3	SITE LANDSCAPE LIGHTING PLAN	TPCBE-Arch-GL-2009-108631	R0	24.11.09
4	SUBSOIL DRAINAGE SYSTEM DETAILS	TPCBE-Arch-GL-2009-108632	R0	24.11.09
5	SITE PLAN WITH EXTERNAL SERVICES SHEET 1 OF 2	TPCBE-Arch-GL-2009-108633	R0	24.11.09
6	SITE PLAN WITH EXTERNAL SERVICES SHEET 1 OF 2	TPCBE-Arch-GL-2009-108635	R0	24.11.09
7	MAIN BUILDING -GROUND FLOOR PLAN	TPCBE-Arch-GL-2009-108636	R0	24.11.09
8	ZONE - "A,B,C & D" Plan	TPCBE-Arch-GL-2010-111993	R0	16.02.10