

**Dr. Rajendra Prasad Government Medical College  
Kangra at Tanda(HP)-176 001**

**Horticulture and Landscaping Works in front of  
existing OPD Block at Dr.RPGMC, Kangra at  
Tanda (H.P)**

**• BILL OF QUANTITIES**

**VOLUME - II**

**January' 2015**



**HSCC (INDIA) LTD.  
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)  
E-6(A), Sector-1, NOIDA(U.P) 201301 (India)**

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**Tender No. HSCC/Horticulture/Tanda/2015**

Horticulture and Landscaping Works in front of OPD Block of existing Hospital Building at DRRPGMC, Kangra at Tanda (H.P)						
Sr No.	Description	Quantity	Unit	Rate in Figures (Rs)	Rate in Words (Rs)	Amount in Figures (Rs)
A						
<b>1</b>	<b>Horticulture and Landscaping:</b>					
1.01	Filling available approved earth , free of vegetation & rock etc . In layers not exceeding 20 cm in depth , breaking clods, watering , carriage including complete as directed .	Cum	200			
1.02	Supplying and stacking of good earth at site including royalty. (Earth measured in stacks will be reduced by 20% for payment )	Cum	600			
1.03	Supplying & stacking sludge or manure or cow dung at site including royalty & carriage upto 1 km (sludge measured in stacks will be reduced by 8% for payment )	Cum	150			
1.04	Mixing earth & sludge in proportion specified or directed and spreading the same in required thickness ( cost of sludge and good earth to be paid separately ).	Cum	750			
1.05	Trenching in all kind of soil upto a depth of 0.60 including removal stacking & disposing of by spreading and neatly levelling with in a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/ and manure before and after flooding the trench with water ( excluding the cost of imported earth , river sand & manure which shall be paid separately but including all leads & lifts for unserviceable materials ).	Cum	200			
1.06	Rough dressing the trenched grounding breaking colds.	Sqm	3500			
1.07	Fine dressing of ground	100Sqm	3500			
1.08	Spreading of sludge, dump manure/cow dung and/or good earth in required thickness as per direction of Officer- Incharge (Cost of sludge, dump manure and/or good earth to be paid separately)	Cum	150			
1.07	Supply & grassing with " Selection No 1" grass in rows 5cms, apart in either direction including fine dressing the ground to be levelled , supply and filling with good earth if needs, watering & maintenance of the lawn for 30 days or more till the grass forms a the lawn free from weeds & fit for mowing . Anti-termite shall be applied with CHLOROPYRIPHOS (DURSBAN make or equivalent ) at the rate of 2ml per litter in the first watering .	Sqm	3500			

<b>1.08</b>	Providing and laying sand Filling	Cum	350.00		
<b>1.09</b>	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	100Sqm	2000		
<b>1.10</b>	Uprooting rank vegetation and weeds by digging the area to a depth of 60cm, removing all weeds and other growth with roots by forking repeatedly, breaking clods, rough dressing, flooding with water, uprooting fresh growths after 10 to 15 days and then fine dressing for planting new grass, including disposal of all rubbish with all leads and lifts.	100 Sqm	1000		
<b>1.11</b>	Preparation of beds for hedging and shrubbery by excavating 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50 m, lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	Cum	100		
<b>1.12</b>	Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) :				
	(i) Holes 1.2 m dia and 1.2 m deep	Each	5		
	(ii) Holes 90 cm dia, and 90 cm deep	Each	5		
	(iii) Holes 60 cm dia, and 60 cm deep	Each	15		
	(iv) Holes 45 cm dia, and 45 cm deep	Each	15		
<b>1.13</b>	Edging with bricks laid dry length wise, including required excavation, refilling, consolidating with hand packing and spreading surplus earth neatly within a lead of 50 m :	Metre	500		

	(i) Common burnt clay F.P.S. (non modular) bricks of class designation 7.5				
1.14	Filling mixture of earth and sludge or manure in the desired proportion in trenches, flooding with water and leveling (cost of supplying earth and sludge or manure and mixing excluded).	Cum	750		
1.15	Providing and fixing M. S. tree guard 45 cm square in plan, height 1.20 metre above ground level and 0.40 metre below ground level. The vertical members shall consist of four nos angle iron of size 25x25x3 mm, 1.8 m long, one at each corner and 8 nos flat iron of size 25x3 mm, 1.2 m long. The vertical members shall be welded to 4 nos 25x6 mm M. S. flats placed horizontally around the vertical member of the cage. One name plate of 1 mm thick M.S. sheet of size 250x100 mm shall be welded to the tree guard near the middle height and lettered CPWD / PWD/ any other approved name. The tree guard shall be fixed to the ground by making suitable holes and by embedding four corners leg in the ground, including refilling the earth, compaction etc. complete. The tree guard shall be painted with two or more coats of synthetic enamel paint of approved brand and manufacture over a coat of primer, complete in all respect.	Each	15		
1.16	Prunning of trees	100 Sqm	4000		
1.17	Supply and planting of Plants, Trees, Ground cover etc. including maintenance of plants for 30days or more complete in all respect.				
1) Tall tree	(i) Magnolia Grandiflora - 5ft height	Each	2		
	(ii) Calistaman R.B.B)- Long drawft	Each	4		
	(iii) Michelia Champa- 4ft height	Each	2		
	(iv) Allistonia Scholaris- 4ft height	Each	3		
2) Tall Shrubs	(i) Plumeria alba- 2ft. Height	Each	15		
	(ii)Ticoma Ghodi Chodi- 4ft height	Each	3		
3) Palms	(i) Bottle Palm(6 ft height)	Each	20		
	(ii) Areca Palm (4-5 ft. height)	Each	30		
	(iii) Phonix Palm (Group)- 4ft. height)	Each	7		
	(iv) Cycus Palm ( 5ft. height)	Each	4		
	(v) Raphis Palm ( 4ft height)	Each	20		
4) HEDGE	(i) Golden Bamboo ( 3ft. height)	Each	30		
	(ii) Duranta Goldiana	Each	3000		

	(iii) Hyderngia	Each	100		
	(iv) Ficus Benjamina ( 4ft long)	Each	5		
5) Scrubs-M	(i) Larger Stromia Indica (4ft. Height)	Each	5		
	(ii) Ixora ( 2 ft. height)	Each	10		
	(iii) Hebiscus (3ft. height)	Each	15		
	(iv) Roses (Selected tagged rose)	Each	15		
	(v) Bird of paradise (5 ft. height)	Each	5		
	(vi) Azalia ( 15inch height)	Each	30		
	(vii) Camalia (18 inch height)	Each	15		
	(viii) Chandni Verigated ( 2ft height)	Each	10		
	(ix) Hamelia ( 2ft height)	Each	10		
	(x) Musanda (1ft. Height)	Each	4		
	(xi) Canna (1ft. Height)	Each	10		
	(xii) Plum Bago ( 1ft. Height)	Each	20		
	(xiii) Chandni Dwarf ( 1ft. Height)	Each	10		
6) Colour Foilage	(i) Brasia	Each	30		
	(ii) Croton	Each	50		
	(iii) Song of India ( 4ft height)	Each	30		
	(iv) Euphrobia (Purple)	Each	10		
	(v) Verigated Schflera ( 2 ft. height)	Each	50		
	(vi) Verigated Ficus (2ft. Height)	Each	3		
	(vii)Aclefa ( 3ft height)	Each	20		
	(viii) Fern	Each	100		
	(ix) Asphidistra	Each	20		
7) Junipers	(i) Golden Cypress (5ft. Height)	Each	11		
	(ii) Silver Juniper ( 1ft. Height)	Each	60		
	(iii) Thuja (2ft. Height)	Each	10		
8) Creepers	(i) Monstera (2ft. Height)	Each	25		
	(ii) Passiflora Red (2ft. Height)	Each	4		
	(iii) Mandevilla (5ft. Height)	Each	6		
9) Ground Covers	(i) Duranta Goldiana	Each	3000		
	(ii) Cufia	Each	1000		
	(iii) Opiogum (Black Grass)	Each	300		
	(iv) Asphragus Marry	Each	60		
	(v) Chlorophutum	Each	100		
	(vi) Verigated Grass	Each	200		
	(vii) Sercressia	Each	50		
<b>1.18</b>	<b>Garden Bench:</b>				

	Supply and Fixing of Garden bench 03 Seater complete in all respect as per design approved by Engineer- Incharge. Garden bench shall be of MS Pipe & tubes and the weight of MS bench shall be approx. 55Kg. And the bench should be fixed in ground by Cement Concrete 1:2:4 (1 Cement: 2 fine aggregate: 4 coarse aggregate).	No.	5			
				<b>Total Sub-head "A"</b>		
B	Comprehensive Maintenance Charges (CMC) for the complete maintenance of lawn including watering, consumables, labour charges etc. complete in all respect after completion of Defect Liability Period as per Contract. (Rate of CMC shall be for evaluation purpose and the principal employer reserve the rights to enter into Annual Comprehensive Maintenance Contract between Client and the contractor for the period as required after the completion of Defect Liability Period.					
	1st year	Job				
	2nd year	Job				
	3rd Year	Job				
	4th Year	Job				
	5th Year	Job				

Total sub-head "B"

Seal and Sign of Bidder

- Note:**
1. The above format of Bill of Quantity (BOQ) should be neatly hand written.
  2. The BOQ in any other format than the above format or typed written shall be rejected.
  3. The above quoted rates shall be inclusive of all taxes, duties and other charges.
  4. Cutting and overwriting should be avoided. Correction should be countersigned always.
  5. In case any error between Unit rate in figure and unit rate in words, the unit rate in words shall be considered.