

MINISTRY OF HEALTH & FAMILY WELFARE

GOVERNMENT OF INDIA, NEW DELHI

Tender No. MoHFW/AIIMS-RISHIKESH/BH&LW/HLL/ID/2014

Request for Proposal (RFP)
for

**SETTING UP OF RESIDENTIAL COMPLEX AT AIIMS RISHIKESH
(SH: DEVELOPMENT OF HORTICULTURE & LANDSCAPING WORKS)**

▪ **Volume-IV (BOQ)**



B-14A, Sector – 62,

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(May, 2014)

PREAMBLE TO BILL OF QUANTITIES	
<i>(This preamble applies to all the sections of the Bill of Quantities. The Contract rates shall take into account all these provisions in addition to various provisions as given in other parts of the Contract document)</i>	
SI No.	DESCRIPTION
1	This is an "Item Rate Tender". Rates shall include cost of materials, labour, plants & equipments taxes, duties and all necessary apparent services required for complete execution, and commissioning in accordance with relevant drawings and specification. The HLL/MoHFW decision on interpretation of bill of quantities and its preamble shall be final and binding on the contractor.
2	The quantities given in this Bill of Quantities are liable to variations. Such variations in quantities shall not, however, vitiate the contract in any way whatsoever and all quoted rates shall remain valid as per deviation limits provided in the contract. Contractor shall be paid for the actual measured quantities of work executed by him/them .
3	Rates quoted shall be firm and shall not be subject to any price variations except as specifically provided in the contract.
4	The contractor's quoted rate shall include surveying, making layout and demarcation of all services as required for completion of the works within the scope of this contract .
5	The words "as specified", "as described", "as shown", "as directed", or "as approved", shall mean as described in the specifications, Schedule of Quantities and other Contract documents as shown on the drawings or as directed by EIC.
6	The following notations as appearing in the Bill of Quantities and specifications shall mean :
	a) Cum = Cubic metre
	b) Sqm. = Square metre
	c) Rm/Mtr./ Metre = Running metre
	d) No./Nos./Each/Set = Numbers
	e) Kg. = Kilogram
	f) MT. = Metric Ton
7	g) Qtl = Quintal
	For the general guidance of the bidders, tender drawings are available with the HLL/MoHFW which should be seen /consulted by the intending bidders before bidding. The detailed working drawings shall be issued to the successful bidder after start of work at site and during the execution of the work so as per requirement and progress chart prepared initially and /or modified subsequently by the contractors.
8	The bidders shall take into account all leads and lifts involved in transport of materials to site, erection and hire of T & P, sheds for materials, etc. while quoting the rates for various sub heads of the work. Similarly all taxes including Octroi, Toll or Sales Tax/VAT, Works Contract Tax or any other Taxes etc. as payable by the contractor at the time of submission of bids shall be taken in to account by the bidders before quoting their. Any claim in these matters whatsoever in this respect shall not be entertained.

PROJECT: SETTING UP OF RESIDENTIAL COMPLEX AT AIIMS RISHIKESH (SH: BALANCE HORTICULTURE & LANDSCAPING WORKS)**FINANCIAL BID SUMMARY SHEET**

Sl. No.	Description	Quoted Amount in Figures (Rs.)	Quoted Amount in Words (Rs.)
1	HORTICULTURE & LANDSCAPING WORKS		
	TOTAL AMOUNT (in Rs.)		

PROJECT: SETTING UP OF RESIDENTIAL COMPLEX AT AIIMS RISHIKESH (SH: BALANCE HORTICULTURE & LANDSCAPING WORKS)**BILL OF QUANTITIES**

Sl.No.	DSR-2013 Code No.	Item	Unit	Total Estimated Qty	Rates in Rs (in Figures)	Rates in Rs (in Words)	Amount in Rs (in Figures)	Amount in Rs (in Words)
1	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	Sq.m	11657				
2	2.29	Ploughing the existing ground to a depth of 15 cm to 25 cm and watering the same.						
2.1	2.29.1	All kinds of soil	Sq.m	21850				
3	23.2	Supplying and stacking of good earth at site including royalty and carriage up to 1 km (earth measured in stacks will be reduced by 20% for payment).	Cum	120				
4	23.5	Rough dressing the trenched ground including breaking clods.	Sq.m	21850				
5	23.7	Fine dressing of the ground	Sq.m	21850				
6	NDSR	Supplying and stacking of 'Selection No.1' grass of approved quality at site for grassing as per direction of Engineer-in-Charge.	Sqm	5000				
7	23.10	Grassing with selection No.1 grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the good earth shall be paid for separately).						
7.1	23.10.1	In rows 5 cm apart in both directions	Sq.m	21850				

Sl.No.	DSR-2013 Code No.	Item	Unit	Total Estimated Qty	Rates in Rs (in Figures)	Rates in Rs (in Words)	Amount in Rs (in Figures)	Amount in Rs (in Words)
8	23.13	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	304				
9	23.14	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) :						
9.1	23.14.2	Holes 90 cm dia, and 90 cm deep	each	605				
9.2	23.14.3	Holes 60 cm dia, and 60 cm deep	each	279				
10		Supplying and applying of Chemical fertilizer and Organic manure of approved make and quality, before and after as per requirement and as per direction of Engineer - in - Charge.						
10.1	NDSR	Bio manure i.e. Vermicompost	Qtl	365				
10.2	NDSR	DAP / NPK	Kg	1000				
10.3	NDSR	UREA	Kg	800				

Sl.No.	DSR-2013 Code No.	Item	Unit	Total Estimated Qty	Rates in Rs (in Figures)	Rates in Rs (in Words)	Amount in Rs (in Figures)	Amount in Rs (in Words)
10.4	NDSR	Bone Meal	Kg	3000				
10.5	NDSR	Neem Cake	Kg	3000				
10.6	NDSR	Chloropyriphos20%EC(Anti-termite)	Ltrs	100				
11		Supplying and plantation of best quality healthy trees inclusive of cultivation of tree bead to required depth of approved quality & species and inclusive of watering, manuring, hoeing, trimming as per requirement etc. complete in all respect as directed by Engineer-in-charge . The Horticulture / landscape contractor shall maintain all new planted area trees until the period of one year after the completion of plantation. Maintenance shall include replacement of dead trees/ plants. Watering, weeding, cultivating, control of insects, fungicide and other disease by means of spraying with an approved insecticide or fungicide, manuring pruning and other horticulture operations necessary for the proper growth of the plants and for keeping the landscape area neat in appearance.						
11.1	NDSR	Laagerstroemia flosreginae (common name Pride of India , tree height. 6'-8' approx)	Each	55				
11.2	NDSR	Delonix regia (common name Gulmohar , tree height. 8'-10' approx)	Each	45				
11.3	NDSR	Anthocephalus cadamba (common name Kadamb , tree height. 8'-10' approx)	Each	30				
11.4	NDSR	Bauhinia purpurea (common name Kachnar , tree height. 6'-8' approx)	Each	50				
11.5	NDSR	Mimusops elengi (common name Molshri tree height. 8' approx)	Each	46				

Sl.No.	DSR-2013 Code No.	Item	Unit	Total Estimated Qty	Rates in Rs (in Figures)	Rates in Rs (in Words)	Amount in Rs (in Figures)	Amount in Rs (in Words)
11.6	NDSR	Jacaranda mimosifolia (common name Nili Gulmohar tree height. 8' approx)	Each	66				
11.7	NDSR	Ashoka longifolia (common name Ashok , tree height. 6'-8' approx)	Each	93				
11.8	NDSR	Erythrina indica (common name Tota , tree height. 6'-8' approx)	Each	40				
11.9	NDSR	Cassia fistula (common name Amaltas , tree height. 8' approx)	Each	60				
11.10	NDSR	Ficus infectoria (common name Benjamina , tree height. 6'-8' approx)	Each	53				
11.11	NDSR	Terminelia arjuna (common name Arjun , tree height. 6'-8' approx)	Each	37				
11.12	NDSR	Roystonea regia (Royal palm, tree height. 6'-8' approx)	Each	30				
12		Supplying and plantation of best quality healthy shrubs inclusive of cultivation of shrubs bead to required depth of approved quality & species and inclusive of watering, manuring, hoeing, trimming as per requirement etc. complete in all respect as directed by Engineer-in-charge. The Horticulture / landscape contractor shall maintain all new planted area shrubs until the period of one year after the completion of plantation. Maintenance shall include replacement of dead shrubs. Watering, weeding, cultivating, control of insects, fungicide and other disease by means of spraying with an approved insecticide or fungicide, manuring pruning and other horticulture operations necessary for the proper growth of the plants and for keeping the landscape area neat in appearance.						
12.1	NDSR	Cassia biflora (height. 1'-6" to 2' approx)	Each	117				

Sl.No.	DSR-2013 Code No.	Item	Unit	Total Estimated Qty	Rates in Rs (in Figures)	Rates in Rs (in Words)	Amount in Rs (in Figures)	Amount in Rs (in Words)
12.2	NDSR	Thevetia narifolia (height. 1'-6" to 2' approx)	Each	57				
12.3	NDSR	Hibiscus rosachinensis (height. 1'-6" to 2' approx)	Each	105				
13		Supplying and plantation of best quality healthy hedge plants inclusive of cultivation of plant bead to required depth of approved quality & species and inclusive of watering, manuring, hoeing, trimming as per requirement etc. complete in all respect as directed by Engineer-in-charge. The Horticulture / landscape contractor shall maintain all new planted area trees until the period of one year after the completion of plantation. Maintenance shall include replacement of dead plants. Watering, weeding, cultivating, control of insects, fungicide and other disease by means of spraying with an approved insecticide or fungicide, manuring pruning and other horticulture operations necessary for the proper growth of the plants and for keeping the landscape area neat in appearance.						
13.1	NDSR	Clerodendron inermie	Each	6104				
14		Complete Maintenance of garden with entire garden feature in the garden area i.e. lawn etc. and removal of all weeds, watering, mowing of lawns, top dressing of garden area with good earth and manure (once/twice) in a year as per requirement and removal of garden rubbish at a specified place in the premises, including application of fertilizers and pesticides / insecticides to the requirement complete in all respect as directed by Engineer-in-charge (Item is inclusive of the cost of materials as per requirement). Measurement shall be as per actual area/ quantity maintained per month. Maintenance shall be carried out for around six months period.						
14.1	NDSR	Maintenance of Lawn Area (Prestigious garden area)	Per Sqm/ Per month	200160				

Sl.No.	DSR-2013 Code No.	Item	Unit	Total Estimated Qty	Rates in Rs (in Figures)	Rates in Rs (in Words)	Amount in Rs (in Figures)	Amount in Rs (in Words)
14.2	NDSR	Maintenance of Existing Trees including watering, manuring, hoeing, trimming as per requirement, making basin of plants and spray of insecticides & pesticides complete in all respect as directed by Engineer-in-charge.	Each/ Per month	1800				
14.3	NDSR	Maintenance of existing shrub/creepers plants including watering, manuring, hoeing, trimming as per requirement, making basin of plants and spray of insecticides & pesticides complete in all respect as directed by Engineer-in-charge.	Each/ Per month	4000				
14.4	NDSR	Maintenance of existing hedge/edge plants including watering, manuring, hoeing, pruning and giving shape & cleaning the bed complete in all respect as directed by Engineer-in-charge.	Rmtr/Per month	12000				
		Total						