

# TENDER

(NIT NO. TA/TCL/**41**/19-20)

**FOR**

**MAINTENANCE OF GARDENS IN BHEL  
TOWNSHIP, BHOPAL – GUEST HOUSE  
(BERKHERA) + KSHITIJ BHAWAN  
(PIPLANI) AND CENTRAL VERGES.**

## PRICE BID

**SECTION - VI**



**TOWNSHIP CIVIL MAINTENANCE  
BHARAT HEAVY ELECTRICALS LIMITED**

**(A Government of India Undertaking)  
BHOPAL – 462 022 (M.P)**

## **PREAMBLE OF PRICE BID**

1.0. This Price Bid consists of three Schedules:

### **1.1 Schedule A**

Schedule A consists of following Annexures:

1) Annexure –I includes items based on Rate analysis.

**Bidders are requested to quote their total amount for sr. no. 3 of Schedule A Annexure-I.**

2) Annexure –A2 & B2 – Scope of work.

3) Annexure –A3 & B3 – List of materials/chemicals for garden maintenance.

4) Annexure –A4 & B4 – List of tools & tackles for garden maintenance.

### **1.2 Schedule B**

Schedule B gives the details of free issue materials given by BHEL.

### **1.3 Schedule C**

Schedule C gives the details of Tools & Tackles provided by BHEL on Chargeable Basis.


2.0 The work to be carried out under the contract shall, except as otherwise provided in tender conditions, include all labour, materials, tools, plant, equipment, and transport which may be required in preparation of and for full & entire execution and completion of the Works. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include waste on materials, carriage and cartage, carrying in return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion as aforesaid in accordance with good practice and recognized principles as laid down in Technical Specification & elsewhere in Tender Specification.

3.0 The price bid should not contain any condition. Conditional price Bids shall be summarily rejected.

4.0 The bidder should not leave any column blank in Price Schedules.

5.0 Price Quoted shall include all taxes, & duties except GST.

6.0 **Unless otherwise specified in the items involving cement or reinforcement steel, these items shall be issued free of cost by BHEL.**

		TOWNSHIP CIVIL MAINT. & CONST. DIVISION				
SCHEDULE 'A'						
PRICE BID SHEET						
						Annexure: I
Name of work : Maintenance of gardens in BHEL Township, Bhopal – Guest House (Berkhera) + Kshitij Bhawan (Piplani) and Central verges.						
S.No	Description of items	Qty.	Unit	Rate (Rs.)	Amount (Rs)	Remarks
	Maintenance and upkeep of the following in BHEL Township :- (i) Gardens of Guest house (Berkhera) + Kshitij Bhawan (Piplani) (Approx. Area 31300 sqm) (ii) Maintenance of Central verges in BHEL township. (Approx. Area 7880 sqm) as listed below.					<b>Not to be quoted by Contractor</b> Prices in Part A shall remain firm through out the contract.
1	<b>Un-skilled workers</b> Note:- Deployment of unskilled workers shall be as per clause 9 of Special terms & Conditions.	7.00	Month	189346.78	1325427.46	
2	<b>Skilled workers</b> for Supervision of work Note:- Deployment of skilled workers shall be as per clause 9 of Special terms & Conditions.	7.00	Month	23099.95	161699.65	
<b>Total Amount</b>					<b>1487127.11</b>	
		Qty.	Unit	Rate (Rs.)	Amount (Rs.)	Remarks
3	<b>Other Charges</b> (Inclusive of contribution to Bonus, uniform, shoes, materials, tools & tackles etc. and profit for unskilled workers (21 nos) & skilled worker (2 nos) and supply/stacking of cow dung manure	7.00	Month	-	-	<b>To be quoted by contractor.</b> <b>Price in Part B shall remain firm throughout the contract period.</b>
<b>AMOUNT QUOTED FOR OTHER CHARGES (RS.) :</b>						
<b>Both Part 'A' &amp; Part 'B' are payable to the contractor.</b>						
<b>Note:-</b>						
(i) The Bidder is advised to carefully examine gardenwise scope of work ,list of materials/chemicals , list of tools & tackles, man power requirements enumerated at Annexures -(A2 & B2), (A3 & B3),(A4 & B4) and <b>clauses 6.5 &amp; 9 of special terms and conditions</b> respectively before quoting his rate.						
(ii) Calculation of deduction due to shortfall in manpower deployment shall be done on assessment of percent weightage of Skilled and Unskilled workers considering respective statutory amount and other charges both against overall total quoted amount.						
(iii) The rate of Rs. 189346.78 & Rs. 23099.95 per month consist of minimum wages of MP Govt for unskilled worker (21 Nos) and skilled worker (2 No) inclusive of PF, ESI & Labour Welfare Board only but exclusive of charges of contribution to Bonus, uniform, shoes, administrative charges, profit, fertilizers, pesticides, materials, chemicals, tools & tackles etc. as per the list in the attached annexures.						
(iv) <b>The rate to be quoted by the contractor against 'other charges' as mentioned above shall, by no means, be lower than zero. If quoted lower than zero, such a bid shall be rejected.</b>						
The bidder shall quote Other charges on lumpsum basis for item at sr no. 3 of the designated gardens/central verges taken together. The respective awarding amounts for Guest house (Berkhera) plus Kshitij Bhawan (Piplani) and Central verges shall be distributed as tabulated below:-  For item wise further distribution in case of gardens/central verges, the respective awarding amounts shall be distributed as per clause 9 of special terms and conditions..						
SI No	Name of Garden/Central Verges				Split ratio	
A	Gardens of Guest house (Berkhera) & Kshitij Bhawan (Piplani)				60.63	
B	Central verges in BHEL township				39.37	
In case of requirement of award of minimum 20% work to MSE(s) arising due to MSE contractors quoting within L1 (lowest bidder) + 15% band and accepting L1's rate (where L1 is a contractor other than an MSE) further distribution of work to accommodate MSE(s) shall, by and large, be in the ratio of respective estimated values of gardens/central verges.						
(v) List of central verges :- 1- Sadbhavna to Gandhi Statue, 2- Cultural hall to Gurudwara, 3- Gate No 6 to Rose garden, 4- Gandhi Statue to Sarang Pani lake, 5. - From gate no 5 to statue						
(vi) The lowest bid and ranking of other bids shall be decided on the basis of overall lowest bid considering both Part 'A' & Part 'B' of Annexure-I of Schedule 'A' together.						
(vii) GST shall be extra as applicable.						
Signature of Contractor						

Scope of work			ANNEXURE-A2
The list of activities and their frequencies under the scope of work for gardens in guest house ( Berkhera) + Kshitij Bhawan (Piplani) as indicated in annexure I is as under :-			
S.N.	ACTIVITY	FREQUENCY	
1	Sweeping of lawn area to clear off fallen leaves/vegetations and dispose off garbage/rubbish to near by dustbin as directed by BHEL Engineer etc.	Daily	
2	Cutting and shaping of hedges	Monthly in all seasons except monsoon season/ Fortnightly in monsoon season	
3	Maintenance of lawn including weeding, chilling/scraping, cutting/ mowing etc complete to keep it in a presentable shape.	Monthly in all seasons except monsoon season/ Fortnightly in monsoon season	
4	Pruning and shaping of trees/shrubs/other plants including making thalas around them.	Monthly in all seasons except monsoon season /Fortnightly in monsoon season	
5	Maintenance of hanging basket plants and pot plants kept at identified places inside the premises including changing of soil mixed with manure in desired proportion including colouring of pots as and when needed(colouring material shall be made available by the department However all tools and plant for doing the job shall be the responsibility of contractor.	Daily	
6	Shifting and arranging pot plants at places required for decoration during a function /ceremony /celebration /welcome of guest/ special occasions etc.	As and when required with a reasonable notice period	
7	Maintenance of flowerbeds including plantation of seasonal plants.	Daily	
8	In the premises of Guest House at Berkhera & Kshitij Bhawan at Piplani in case a tree falls for any reason what-so-ever the contractor shall be required to arrange fast removal of the same including cutting, making pieces of same, transporting the same to identified location within 2 Km lead and depositing the same with BHEL authority there as per instruction and full satisfaction of BHEL Engineer.	As and when required with a reasonable notice period	
9	Cutting of all types of unwanted vegetation between road and boundary wall of Guest House at Berkhera & Kshitij Bhawan Piplani and disposal of rubbish to near by dustbin.or as directed by Engineer-in-Charge.	Monthly	
10	Maintenance & Operation of Fountains 7 nos (Guest house at Berkhera: 5 Nos & Kshitij Bhawan: 2 Nos)from 0800 Hrs to 2000 Hrs ; maintenance of fountain shall be limited to cleaning of tanks and surrounding area	Monthly	
11	Cleaning of fountain nozzles	As and when required	
12	Reporting of any kind of snag in pump or starter to BHEL authority	As and when required basis	
<b>NOTE:</b>			
(i) The above activities shall include application of soil and supply & application of cow dung manure, fertilizers and pesticides as mentioned in Annexure A-3 as and when needed. Manure ( organic waste ) shall, however, be supplied free of cost by BHEL.			
(ii) The above activities shall also include watering of garden including lawn, flower beds, trees, shrubs, hedges, hanging basket plants and pot plants etc.			
(iii) For proper watering of lawns BHEL shall provide sprinkler arrangement with compatible pipes to the contractor in the beginning of contract subject to availability of the same . However, maintaining and augmenting the resource inventory as per need shall be the sole responsibility of the contractor. At the end of the contract , the contractor would be required to return BHEL pipes and sprinkler system ( in working condition) as well as pots, hanging baskets in good condition failing which recovery at double the market rate or procurement rate, (whichever is higher) shall be done from any amount due to the contractor.			

(iv)	The contractor shall maintain materials/chemicals & tools and tackles as per the list enclosed at Annexure A3 & A4 respectively to accomplish the task successfully as per the scope defined.
(v)	Unless otherwise mentioned, the work shall include all materials/chemicals and tools & plants etc complete to accomplish the task successfully.
(vi)	Operating hours of fountain as mentioned in Sr. no. 10 of this annexure can be reduced by BHEL depending upon the availability of water and as per need of BHEL.
(vii)	As per BHEL's assessment, on an average 13 labours per day (Guest House at Berkhera:12 + Kshitij Bhawan:1) under able guidance of an experienced supervisor in horticultural activities would be needed to accomplish the task successfully. The bidder is required to take this aspect into account before quoting his rate.
	Manpower deployment and deduction / penalty for non-deployment of labourer shall be as per <b>clause no 31 of General Terms &amp; Coditions, clause 6.5 &amp; 9 of Special Terms and Conditions.</b>
(viii)	The Contractor or his representative shall supervise all the activities of garden maintenance as menteniod under scope of work and ensure quality of work on daily basis as per instruction of Engineer-in-Charge.
(ix)	Scope of work has been broadly defined as above. However, anything which is not explicitly mentioned in the scope of work but required to be done for proper upkeep and maintenance of garden shall be deemed to be a part of scope of work.
(x)	If any short fall is found in execution of activity as per frequency indicated under scope of work, penalty against each such activity from 1 to 12 shall be imposed @ 2% of respective month's amount of Item No. 1 of price schedule i.e. Annexure 1.
(xi)	Suitable database shall be maintained for attendance of man-power and following information duly certified by competent authority shall be submitted along with bill for payment :-
	(1) Total man-days to be deployed in a quarter as per contract.
	(2) Total man-days actually deployed in the month.
	(3) Total cumulative man-days actually deployed upto the month.
	(4) Total cumulative man-days actually deployed upto the quarter.
	In the last month of the quarter, deduction/ penalty for non-deployment of labourer shall be effected taking the cumulative figure into consideration.
(xii)	The contractor shall maintain a log book on daily basis duly signed by BHEL official to record the contractor's performance during execution of work. It is necessary from the point of view of billing.
Signature of Contractor	

		Annexure-	A 3
<b>Gardens in Guest House ( Berkhera) + Kshitij Bhawan (Piplani) in BHEL</b>			
<b>List of materials/chemicals for Garden Maintenance(Indicative)</b>			
Sl	Name of of Material (Chemical)	Unit	Total yearly consumption
<b>Guest House ( Berkhera)</b>			
1	Urea	kg	75
2	Super phosphate	kg	50
3	Murate of potash	kg	50
4	Gromore 14:35:14	kg	50
5	DAP 28:28	kg	50
6	Neem Cake	kg	75
7	Bone meal/ Cera meal	kg	50
8	Copper oxychloride	kg	3
9	Bawistin	kg	3
10	Nuvan/Roger	liter	8
11	Cow dung manure	Cum	60
<b>Kshitij Bhawan (Piplani)</b>			
1	Urea	kg	4
2	Super phosphate	kg	2.5
3	Murate of potash	kg	2.5
4	Gromore 14:35:14	kg	2.5
5	DAP 28:28	kg	2.5
6	Neem Cake	kg	4
7	Bone meal/ Cera meal	kg	2.5
8	Copper oxychloride	kg	0.25
9	Bawistin	kg	0.25
10	Nuvan/Roger	liter	0.5
11	Cow dung manure	Cum	4
<p><b>Note:-</b> 1) The above list of materials/chemicals for garden maintainance is indicative and not exhaustive for smooth execution of work envisaged under the scope. The Contractor shall ensure supply of appropriate materials/ chemicals with desired quantity &amp; frequency as &amp; when required for completing the respective activity or as per requirement raised by engineer in-charge. In case of non-performance/non- execution of any of the activity defined in scope of work due to non-supply &amp; non-application of above materials/chemical(s), deduction shall be made as per condition mentioned in Note at serial No(x) under scope of work.</p> <p>(2) Calculation of quantity of cow dung mannure shall be done by deducting 8 % for voids from the stack measurement.</p>			
Signature of Contractor			

		Annexure-	<b>A 4</b>
<b>Gardens in Guest House ( Berkhera) + Kshitij Bhawan (Piplani) in BHEL Township</b>			
<b>List of Tools &amp; Tackles for Garden Maintenance (Indicative)</b>			
<b>S. No.</b>	<b>List of Tools &amp; tackles</b>	<b>Unit</b>	<b>Total yearly consumption</b>
<b>Guest House</b>			
1	Power Lawn Mower(Fuel operated)	No	1
2	Hand Trolley/ Thela	No	3
3	Rubber Hose Pipe/ PVC Braided Hose Pipe (3/4"/1") dia	RM	800
4	Broom Coconut	No	30x4=120
5	Garden rake	No	5
6	Gainti(Pickaxe) Good quality/ standard make with Handle	No	34
7	Phawada(Spade) Good quality/ standard make with	No	4
8	Tagari- Good quality/ standard make	No	15
9	Kulhadi- Good quality/ standard make	No	2
10	Khurpi- Good quality/ standard make	No	10
11	Dalia	No	12x4=48
12	Watercane - Good quality/ standard make	No	2
13	Spray pump- Good quality/ standard make	No	5
14	Hedge cutter- Good quality/ standard make	No	2
15	Rose cutter- Good quality/ standard make	No	4
16	Rope 3/4" dia	RM	4
<b>Kshitij Bhawan</b>			
1	Power Lawn Mower (Fuel operated)	No	1
2	Hand Trolley/ Thela	No	1
3	Rubber Hose Pipe/ PVC Braided Hose Pipe (3/4"/1") dia	RM	200
4	Broom Coconut	No	5x4=20
5	Garden rake	No	2
6	Gainti(Pickaxe) Good quality/ standard make with Handle	No	2
7	Phawada(Spade) Good quality/ standard make with Handle	No	2
8	Tagari- Good quality/ standard make	No	2
9	Kulhadi- Good quality/ standard make	No	2
10	Khurpi- Good quality/ standard make	No	2
11	Dalia	No	2x4=8
12	Watercane - Good quality/ standard make	No	2
13	Spray pump- Good quality/ standard make	No	1
14	Hedge cutter- Good quality/ standard make	No	1
15	Rose cutter- Good quality/ standard make	No	1
16	Rope 3/4" dia	RM	30
<b>Note:-</b> The above list of tools & Tackles for garden maintenance is indicative and not exhaustive for smooth execution of work envisaged under the scope. The Contractor shall ensure deployment of appropriate tools and tackles with desired standard as & when required for completing the respective activity or as per requirement raised by engineer in-charge. In case of non-performance/non- execution of any of the activity defined in scope of work due to non-deployment of above tools/tackles, deduction shall be made as per condition mentioned in Note at serial No(x) under scope of work.			
Signature of Contractor			

			Annexure-B2
<b>Name of work :- Maintenance of central verges in BHEL Township</b>			
<b>The list of activities and their frequencies under the scope of work for maintenance of Central verges in BHEL township as indicated in annexure I is as under :-</b>			
<b>Sl. No.</b>	<b>Activity</b>	<b>FREQUENCY</b>	
1	Watering including operation of tube well/ pump	On as and when required basis as per the instruction of Engineer Incharge In all seasons including the rainy season.	
2	Replacement of dead plants /Gap filling with approved plants	within a week from the date of inspection/ instruction	
3	Cutting and shaping of hedges & shrubs and disposal of rubbish to nearby dustbin as directed by Engineer-in-Charge.	Monthly in all seasons except monsoon season. Fortnightly in monsoon season	
4	General cleaning of fallen leaves,removal of wild vegetation growth from central verge and adjacent area upto 0.5 metre from central verge wall on both sides including disposal of rubbish to the nearby dustbin as directed by Engineer-in-charge.	Weekly	
5	Hoeing & weeding	Daily	
6	Spraying and application of pesticides for pest/disease control.	As and when required as per instruction of Engineer-in-Charge.	
7	Spreading/application of cow dung manure, Soil & Fertilizer	As and when required as per instruction Engineer-in-Charge.	
8	Plantation of plants including the cost of transportation and labor, tools & tackles etc. complete as per direction of Engineer In charge. (Plant shall be supplied by BHEL free of cost)	As and when required as per instruction of Engineer-in-Charge.	
9	Cleaning of grass and removal of rubbish shall be done on both side of road berms along central verge as per direction of Engineer-in-charge. Note :- Disposal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	As and when required as per instruction of Engineer-in-Charge.	
<b>NOTE :-</b>			
(i)	The above activities shall include application of soil and supply & application of cow dung manure, fertilizers and pesticides as mentioned in Annexure B-3 as and when needed. Manure (organic waste) shall, however, be supplied free of cost by BHEL.		
(ii)	For proper watering of central verge, contractor may use existing pipeline laid by BHEL in some locations along with compatible/suitable fittings. However, maintaining the same shall be the sole responsibility of the contractor. At the end of the contract, the contractor would be required to return, pipes and fittings in working condition to BHEL, failing which recovery at double the market rate or double the procurement rate of BHEL,(whichever is higher) shall be effected from the contractor.		
(iii)	The contractor shall deploy and maintain all the required tools and plants to accomplish the task successfully as defined under scope of work.		
(iv)	Unless otherwise mentioned, the cost of work shall include all the materials / chemicals and tools & tackles required to accomplish the task successfully.		
(v)	The Contractor or his representative shall supervise all the activities mentioned under scope of work and ensure quality of work on daily basis by undertaking daily inspection and/or taking appropriate action as per instruction of Engineer in charge .		



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## Annexure - B 3

**Maintenance of central verges in BHEL Township****List of materials/chemicals for maintenance of Central verges (Indicative)**

Sl	Name of of Material (Chemical)	Unit	Total yearly consumption
1	Urea	kg	20
2	Super phosphate	kg	15
3	Murate of potash	kg	15
4	Gromore 14:35:14	kg	15
5	DAP 28:28	kg	15
6	Neem Cake	kg	20
7	Bone meal/ Cera meal	kg	15
8	Copper oxychloride	kg	1
9	Bawistin	kg	1
10	Nuvan/Roger	liter	2
11	Cow dung manure	cum	50

**Note:-** 1) The above list of materials/chemicals for garden maintainance is indicative and not exhaustive for smooth execution of work envisaged under the scope. The Contractor shall ensure supply of appropriate materials/ chemicals with desired quantity & frequency as & when required for completing the respective activity or as per requirement raised by engineer in-charge. In case of non-performance/non- execution of any of the activity defined in scope of work due to non-supply & non-application of above materials/chemical(s), deduction shall be made as per condition mentioned in Note at serial No(x) under scope of work.

2) calculation of quantity of cow dung mannure shall be done by deducting 8% for voids from the stack measurements

	Signature of Contractor		

**Annexure- B 4****Maintenance of central verges in BHEL Township**

<b>List of Tools &amp; Tackles for maintenance of Central verges (Indicative)</b>			
<b>Sl</b>	<b>List of Tools &amp; Tackles</b>	<b>Unit</b>	<b>Total yearly consumption</b>
1	Hand Trolly/ Thela	No	1
2	Rubber Hose Pipe/ PVC Braided Hose Pipe (3/4"/1") dia	RM	110
3	Broom Coconut	No	36
4	Gainti(Pickaxe) Good quality/ standard make with Handle	No	4
5	Phawada(Spade) Good quality/ standard make with Handle	No	4
6	Tagari- Good quality/ standard make	No	4
7	Kulhadi- Good quality/ standard make	No	2
8	Khurpi- Good quality/ standard make	No	6
9	Watercane - Good quality/ standard make	No	1
10	Spray pump- Good quality/ standard make(1 Lit capacity)	No	1
11	Spray pump- Good quality/ standard make(15 Lit capacity)	No	1
12	Hedge cutter- Good quality/ standard make	No	4
13	Dalia	no	40
14	Garden rake	no	5
15	Brush Cutter	no	2
<p><b>Note:-</b> The above list of tools &amp; Tackles for garden maintenance is indicative and not exhaustive for smooth execution of work envisaged under the scope. The Contractor shall ensure deployment of appropriate tools and tackles with desired standard as &amp; when required for completing the respective activity or as per requirement raised by engineer in-charge. In case of non-performance/non- execution of any of the activity defined in scope of work due to non-deployment of above tools/tackles, deduction shall be made as per condition mentioned in Note at serial No(x) under scope of work.</p>			
Signature of Contractor			

SCHEDULE – “B”								
Name of work :- Maintenance of gardens in BHEL Township, Bhopal – Guest House (Berkhera) + Kshitij Bhawan (Piplani) and Central verges.								
1. Good Earth								
2. Manure ( Organic waste)								
3. Plants								
					Issued free of cost at Gadia Store/ sub-division			
Note: If the contractor fails to return to the department unconsumed portion of total quantities of respective free issue material after completion of work or as and when instructed by Engineer-incharge, recovery at twice the respective material cost of the item as procured/decided by BHEL shall be made from the contractor's bill(s).								
SCHEDULE – “C”								
....NIL.....								
Signature of Contractor								