

TENUGHAT VIDYUT NIGAM LIMITED
(A GOVT. OF JHARKHAND UNDERTAKING)
HINOO, DORANDA, RANCHI-834002
FAX: 0651-2251205
Website: www.tvnlonline.com

CST NO:229C

TIN NO:200992201429

CIN U4101JH1987SGC013153

PAN NO:AACCT1197L

NIT No. 09/CIVIL/W/TVNL/RAN/2017-18

Due on 23.06.2017



TENDER DOCUMENT

SUBJECT: Development of Landscape and Horticulture in the premises of Administrative Building, Shyamali Guest House, Hospital and Powerhouse at TTPS, Lalpania.



Tenughat Vidyut Nigam Limited

(A Govt. of Jharkhand Undertaking)
Hinoo, Doranda, Ranchi-834002, Jharkhand
TEL: 0651-2250967, 2252202, Fax: 0651-2251205

Letter No. 289/17-18

Dated 25.05.2017

NOTICE INVITING TENDER
NIT No. 09/CIVIL/W/TVNL/RAN/2017-18

On behalf of Tenughat Vidyut Nigam Limited (TVNL), Ranchi sealed tenders in two parts (Part-I Technical & Commercial Bid and Part-II Price Bid) containing three envelopes A, B & C (cost of Tender Document & Earnest Money of specific value in envelope 'A', Technical & Commercial Bid in envelope 'B' and Price Bid in envelope 'C') are invited from experienced, reputed and financially sound firms for development of Landscape and Horticulture in the premises of Administrative Building, Shyamali Guest House, Hospital and Powerhouse at TTPS, Lalpania, the details of which are as follow:

Description of Work	Development of Landscape and Horticulture in the premises of Administrative Building, Shyamali Guest House, Hospital and Powerhouse at TTPS, Lalpania.
Estimated Cost (Rs.)	Rs. 1,63,92,491 /- (Rupees One crore sixty three lakh ninety two thousand four hundred and ninety one) only plus Service Tax extra as applicable.
Cost of Tender Documents (Non-Refundable)	Rs. 15,000/- (Rupees Fifteen thousand) only.
Amount of EM to be deposited in the form of DD/BG	Rs 3,28,000/- (Rupees Three lakh and twenty eight thousand) only.
Contract Period	One year
Downloading of Tender Paper	From 01.06.2017
Last Date & Time for receipt of Tender Paper	23.06.2017 up to 14:00 Hrs.
Date & Time of Opening of Part-I of Tender	23.06.2017 at 16:00 Hrs.
Place of submission of bid documents and address for communication	Electrical Superintending Engineer (C&M), Tenughat Vidyut Nigam Limited, Hinoo, Ranchi-834002.

1. The Bidder should have the following Qualifying Requirements (QR):

- a. The bidders shall have to submit proof of working experience of similar work in any Govt./semi-Govt./CPSU/SPSU/SEB's.
- b. The average annual financial turnover during the last 03 (three) financial years, ending 31st March of the previous financial year should be at least 30% of the estimated cost.
- c. The bidder should have experience of having successfully completed similar works during last seven years ending last day of month previous to the one in which applications are invited. The successful completed similar work shall be either of the following :

i. Three similar completed works each costing not less than the amount equal to 40% of the estimated cost.

OR

ii. Two similar completed works each costing not less than the amount equal to 50% of the estimated cost.

OR

iii. One similar completed work costing not less than the amount equal to 80% of the estimated cost.

Similar work means the bidder must have working experience of Development of landscape and horticulture/ civil work in any Govt./semi-Govt./CPSU/SPSU/SEB's.

- d. The bidder should have financial credibility/capacity of at least 20% of the estimated cost. Bidder may submit latest Bank Solvency Certificate of any Nationalized/Scheduled Bank in support of their financial credibility/capacity.
2. The tender document is to be downloaded from the TVNL website www.tvnlonline.com. The cost of tender document shall be deposited at the time of submission of tender paper in the shape of Bank Draft issued by any Nationalized/Scheduled Bank in favour of "TENUGHAT VIDYUT NIGAM LIMITED" payable at Ranchi. Tender shall not be considered without cost of tender document. Any type of tempering/alteration with tender document shall not be allowed and offer, if submitted so will be summarily rejected.
 3. Tender without Earnest Money shall not be considered. Offers shall be accompanied with the cost of tender document and earnest money deposit (EMD) of requisite value as specified above in a separate envelope 'A' failing which offers are liable for rejection. EMD may be furnished in the form of Demand Draft/ Bank Guarantee from any Indian Nationalized Bank/ Scheduled Bank in favour of "TENUGHAT VIDYUT NIGAM LIMITED" payable at Ranchi. The Bank Guarantee should remain valid for 12 months.
 4. The earnest money will be forfeited on revocation of tender before expiry of validity of the tender or on refusal to enter into the contract after the award is made by TVNL to the bidder.
 5. Any corrigendum/Addendum/Extension of bid opening date and cancellation of NIT will be published through our website www.tvnlonline.com only and not through newspaper. The bidders are requested to visit our website regularly for any addendum/corrigendum/extension till opening of NIT.
 6. The due date of bid opening as mentioned in the tender will remain firm. However, in case of unforeseen circumstances or due to administrative reasons the bids are not opened on the due date, the same shall be opened on the next working day at the same time. In case the last date of submission of bids is declared as holiday, the bids received up to the time of closing of bids on the next working day shall be considered for opening.
 7. The undersigned reserves the right to reject any or all tenders or to distribute the job among the bidders without assigning any reason thereof.

(R. Ranjan)
Electrical Superintending Engineer (C&M)

TENUGHAT VIDYUT NIGAM LIMITED

HINOO, DORANDA, RANCHI-834002

BILL OF QUANTITY

PART- I (TECHNICAL & COMMERCIAL)

TVNL

NIT No. 09/CIVIL/W/TVNL/RAN/2017-18

Sub: Development of Landscape and Horticulture in the premises of Administrative Building, Shyamali Guest House, Hospital and Powerhouse at TTPS, Lalpania.

S.N.	Particulars	Details to be furnished by the Bidder (Enclose separate sheets if required)	Flag No.	Page No.
1.	Name of the Bidder (Enclose Letter Head of firm)		I	
2.	Address of Bidder with Telephone, Fax, E-mail		II	
3.	Name of the Proprietor/ Head of the Firm and its key personnel with organizational chart giving details of qualification and experience etc.		III	
4.	Details of maintenance set up with resources like permanent employees (with designation & strength), tools & tackle and other equipment with capacities		IV	
5.	Name and Qualification of the site-in-charge		V	
6.	Work Experience of Bidder (Attach copy of work order of similar work and its successful completion certificate during last seven years as per Sl. No. 1.c of QR)	Work Order No..... Dated..... Completion Certificate Dated..... Work Order No..... Dated..... Completion Certificate Dated..... Work Order No..... Dated..... Completion Certificate Dated.....	VI	
7.	Financial Credibility/ Capacity (Attach Bank Solvency Certificate)		VII	
8.	Average annual financial turnover of bidder during the last 03 years (Attach audited Balance Sheet & P/L Account for last three years ending 31st March, 2017 is necessary)	Average annual financial turnover of bidder during the last 03 (three) years Rs..... Annual Turnover FY 2016-17: Rs..... FY 2015-16: Rs..... FY 2014-15: Rs.....	VIII	
9.	Name & Designation of Authorized Signatory (Attach Power of Attorney if applicable)		IX	

10.	Nature of Firm (Proprietorship/Partnership /Pvt. Ltd./Public Sector) (Attach proof)		X	
11.	Permanent Account Number (PAN) (Attach proof)		XI	
12.	Service Tax Registration Number (Attach proof)		XII	
13.	Sales Tax/Value Added Tax Registration Number / TIN (Attach proof)		XIII	
14.	Labour License No. (Attach copy of registration)		XIV	
15.	EPF. Code No. (Attach copy of registration)		XV	
16.	Character Certificate of the Head of the Firm issued within last six month from due date of NIT. (Issued by the Officer not below the rank of Magistrate)		XVI	
17.	Particulars of Earnest Money (DD No. /BG No. & Date)		XVII	
18.	Particulars of Cost of Tender Document(BOQ) (DD No. & Date)		XVIII	
19.	Other details and remarks, if any		XIX	

(Signature & Seal of Bidder)

TENUGHAT VIDYUT NIGAM LIMITED

HINOO, DORANDA, RANCHI-834002

NIT No. 09/CIVIL/W/TVNL/RAN/2017-18

Sub: Development of Landscape and Horticulture in the premises of Administrative Building, Shyamali Guest House, Hospital and Powerhouse at TTPS, Lalpania.

GENERAL TERMS & CONDITIONS

- 1. Validity of Offer:** The bid submitted by the bidders should remain valid for a minimum period of 120 days from the date of opening of Part-I unless otherwise specified.
- 2. Late Receipt of the Tender:** Special attention of the bidder is invited about the receipt of

the tender in time. Tenders received after the stipulated date and time due to any reason, whatsoever, shall not be considered. Bidders are requested to see that their bids are delivered in the office of TVNL before the prescribed date and time.

3. **Inspection of Site:** Before quoting the rate, bidders are advised to visit the work site and get satisfied with scope of work for which rates are to be quoted. Engineer -in -charge may be consulted for any clarification regarding scope of work and terms of tender. Bidder should go through the terms and conditions and technical specification of work carefully and sign in all pages of the tender document.

4. Instruction to Bidder:

- a. Bidders are advised to submit their bids strictly based on the scope of work, terms and conditions contained in the bid document and subsequent revisions/amendments, if any. The bid should be submitted along with covering letter.
- b. The bid shall be prepared and submitted by typing or printing in English on white paper in consecutively numbered pages duly signed by the authorized signatory with company seal affixed on each page. Any part of the bid, which is not specifically signed by the authorized signatory and not affixed with company seal, may not be considered for the purpose of evaluation.
- c. Copy of bid document, amendments/revisions to bid document if any, shall be signed and submitted along with the bid.
- d. Complete bid document including all enclosures should preferably be submitted in hard bond or spiral binding and all pages should be numbered and must be signed by the authorized signatory with seal of the company.
- e. The **Part-I (Techno-commercial Bid)** should be sealed in a separate envelope superscribed with NIT No., "**Part – I (Techno-commercial Bid)**", Name and address of the bidding firm, and should be addressed to ESE (C&M), Tenughat Vidyut Nigam Limited, Hinoo, Ranchi-834002.
- f. The **Part-II (Price Bid)** should be sealed in a separate envelope super scribed with NIT No., "Part – II (Price Bid)", Name and address of the bidding firm, and should be addressed to ESE (C&M), Tenughat Vidyut Nigam Limited, Hinoo, Ranchi-834002. The rate to be quoted in price part (Part-II) shall be in figure and in words both. In case of difference in the rates quoted in figures and words, the amount in words shall prevail. The bidder must quote firm rates. Bid with variable rates shall be considered invalid.
- g. Both the envelopes containing Part-I (Techno-commercial Bid and Part-II (Price Bid) should be kept in a third envelope super scribed with NIT No., Name and address of the bidding firm, and should be addressed to ESE (C&M), Tenughat Vidyut Nigam Limited, Hinoo, Ranchi-834002. Complete tender or tenders not submitted as per requirement as indicated in the NIT are likely to be rejected.
- h. Bidders shall submit their offer strictly as per terms and conditions of the tender document without any deviation. If at any time any of the documents/information submitted by the bidder is found to be incorrect, false or untruthful, the bid and/or the resultant order may be summarily rejected/ cancelled at the risk of the bidder.
- i. Failure to furnish all information and documentary evidence as stipulated in the bid document or submission of an offer that is not substantially responsive to the bid document in all respects shall be summarily rejected.
- j. All bids will be received in duly sealed cover within the due date and time. Bids

received after the due date and time is liable for outright rejection.

5. **Security Deposit:** The successful bidder shall have to deposit total security deposit @ 10% of order value as performance guarantee in which initial security money @ 5% of the order value (including earnest money deposited along with tender) before executing the agreement, balance 5% of security money will be deducted from R/A bills. The security money will be released after successful completion of work and closure of contract. Initial security money will be accepted as Bank Draft/ Bank Guarantee in the prescribed format .
6. **Payment Terms:** The Contractor shall submit bill in triplicate for work done to the Engineer - in - charge, which will be verified by Engineer - in - Charge and department will make payment to the contractor subject to availability of fund. No interest will be paid in case of delay in any payment.. The contractor shall produce documentary evidence in support of deposit of EPF & service tax before release of payment.
7. **Paying Authority:** The Accounts Officer, TVNL, Ranchi will be the Paying Authority.
8. **Engineer-in-Charge:** SE (C) will be the Engineer-in-Charge for this work. The works are to be executed as per direction of Engineer-in-Charge. Anything not mentioned here in shall be decided by the in charge of the work and shall be binding on the contractor.
9. **Idle Charges:** No charges for idle men, machine, plant and equipment will be allowed to agency for some reason or the other beyond control of the department.
10. **Safety Measures:** The Contractor shall observe all the safety measures. Safety appliances have to be arranged by the Contractor at his own cost. Any compensation payable to the Contractor's employee in the event of accident or causality has to borne by the Contractor himself and TVNL will not be responsible on this accounts in any way. In case of any damage due to negligence mishandling and mal operation by the staff of contractor, the damage would be made good by the contractor at his/own own cost. In case of non compliance, proportionate deduction will be made from the bills of the contractor.
11. **Scope of the work:** Scope of the work is attached here as a guideline to execute the work. However contractor has to execute all the work as per direction of Engineer-in-Charge.
12. **Agreement:** The firm or his legally authorized representative having Power of Attorney will have to execute an agreement with the ordering authority within 15 days of issue of order in the event of placement of order on them. The agreement will have to be prepared on a non-judicial stamp paper of Rs.50/- on Nigam's format. Bank Guarantee against Security Deposit, Performance Guarantee etc. as per order will have to be furnished well before execution of agreement. The contractor is required to produce all original paper and documents for verification before agreement failing which order will be cancelled. Contractor will not be allowed to start the work without executing the agreement.
13. **Jurisdiction of Court:** Any dispute between the Contractor and TVNL shall be settled in the civil court, at Ranchi, Jharkhand only.

- 14. Labour Laws:** The bidder has to follow the guidelines laid under the labour law, workmen compensation, and EPF rules in respect of minimum wages, EPF payment and other service condition. In the event of any accident / casualty to the employees of contractor, the compensation payable to the employees is to be borne by the contractor and TVNL will not be responsible in any way.
- 15. Minimum Wage Guarantee:** The contractor shall strictly ensure that the minimum wages as stipulated by GoJ from time to time is paid to their workmen. Any increase in minimum wages during the period of contract, will have to be paid to their workmen without any claim on TTPS/TVNL. If the contractor fails to comply with guarantee of minimum wages then the agreement is liable to be terminated and security money may be forfeited.
- 16. Taxes:** All statutory taxes as applicable shall be deducted from each the bill of contractor.
- 17. Violation of Terms & Conditions of Tender:** All terms and conditions of tender shall form a part of the contract. If contractor fails to execute the work up to entire satisfaction of Engineer -in -Charge as per terms & conditions of tender, then the contract agreement can be terminated after one month prior notice and security money shall be forfeited.
- 18. Subletting:** The successful bidder will have to execute the work directly. No subletting will be allowed.
- 19. Competent Authority:** Managing Director TVNL reserves the right to extend the due date and to reject any/ all the tenders or to increase / reduce/ distribute the quantity of tender without assigning any reason thereof and not bound to accept the lowest tender or to assign any reason for the rejection of the lowest tender. During the execution of work in case of any dispute between the Engineer-in -Charge and contractor, the decision of GM- cum-CE, Tenughat TPS will be final and binding.
- 20. Man Power:** A list of manpower arranged by the contractor should be submitted to Engineer -in -Charge of the work before deployment and same should be deployed with due permission of Engineer -in -Charge. If the performance of the deployed person is not found up to the mark at any time, the contractor will have to replace them with experienced and suitable person.
- 21. Tools & Tackles:** The contractor should have to arrange minimum of minor and special tools & tackles as per scope of work.
- 22. Variation of quantities of work:** The contract price is based on the units rates and the quantities of items stipulated in the contract. The contract price may undergo corresponding change, if the work orders for change in quantities of items during execution of work. However, the units rates indicated in price schedules shall remain firm and shall not be subject to any escalation whatsoever. All unit prices shall be firm for variation within a limit of $\pm 15\%$ Contract value may vary within $\pm 15\%$ of the grand total of schedule as included in Work

Order. Such variation shall in no degree affect the validity of the contract and it shall be performed by the contractor as provided therein and be subjected to the conditions, situation and obligations originally and expressly included in the specification and amount to be paid therefore shall be calculated in accordance with accepted scheduled of rate.

NOTE: - As specified above and reiterated here for clarification that the contractor shall be bound to carry out and increased or decreased portion of work without any change in unit prices and no claim on any account shall be entertained for variation without the Limit of variation allowable under the contract, is on the contract value of as a whole as included in work order and not on the value of work of any individual items.

- 23. Site Cleaning:** The Contractor must keep clean the working area after completion of the job. Waste materials and garbage shall be disposed off by the contractor at suitable place as per the instruction of the Engineer-in-Charge.
- 24. Date of commencement:** The date of commencement of work will be considered from the date of **issue of work order**.
- 25. Liquidated Damages for Delay in Completion:** In case of any delay in the execution of the work beyond the stipulated date of completion/ Completion schedule including any extension permitted in writing, TVNL reserves right to recover from the agency a sum equivalent to 0.5% of the value of the delay work for each week of delay and part thereof subject to a maximum of 5% of the total value of the work.
- 26. Mobilization Time:** The successful bidder will be given maximum one month time from the date of LOI/Work Order for mobilization of resources, manpower and starting the work. The contractor failing to enter in to agreement and start the work within one month will lose the work order and earnest money/security money and work will be allotted to L2, L3.....bidder if they agree to work on L₁ rate.

(Signature & Seal of Bidder)

TENUGHAT VIDYUT NIGAM LIMITED
HINOO, DORANDA, RANCHI-834002

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SCOPE OF WORK

I. Civil work:

Sl. No.	Description of work	Quantity
1	Earth work in excavation in foundation trenches in ordinary soil (classification of soil item -a) and disposal of excavated earth as obtained to a distance up to 50 m including all lifts, levelling, ramming the foundation trenches, removing roots of trees, shrubs all complete as per approved design ,building specification and direction of E/I	37.97 M ³
2	Providing designation 75b brick work in c.m.(1:6) in foundation and plinth with approved quality of clean coarse sand of f.m. 2 to 2.5 including providing 10 mm thick mortar joints, cost of screening materials, raking out joints to 15 mm Depth, curing ,taxes and royalty all complete as per building specification and direction of E/I.	148.80 M ³
3	Providing 12mm thick cement plaster (1:6) with clean coarse sand of FM 1.5 including screening curing with all leads and lifts of water scaffolding taxes and royalty as per building and direction of E/I.	1525.15 M ²
4	Providing 1.5mm cement punning including curing with all leads and lifts of water scaffolding taxes and royalty as per building and direction of E/I.	1525.15 M ²
5	Providing primer one coat of approved shade and make over new wooden surface including preparing the surface after cleaning removing dirt's scales smokes grease and sand papering including cost of scaffolding and taxes all complete as per building specification and direction of E/I.	2720.25 M ²
6	Providing two coats of painting with ready mix paint of approved shade and make over steel surface including cleaning the surface thoroughly cost of scaffolding and taxes all complete as per direction of E/I.	2720.25 M ²
7	Providing and laying factory made coloured chamfered edge Cement Concrete paver blocks of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of fine sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with jamuna sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks, lawns, drive ways or light traffic parking etc. complete as per manufacturer's specifications & direction of Engineer-in-Charge. 60mm thick C.C. paver block of M-35 grade with approved colour, design & pattern.	729.60 M ²
8	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	53.20 M ³
9	S/F/F M.S grill made of 20mm x 6mm M.S flat as per approved design and drawing properly fabricated with joints continuous fillet welded and finished smooth hoisting carriage of grill to work site hosting as per building specification and direction of E/I.	8250.00 Kg
10	Providing two coats of painting with ready mix paint of approved shade and make over steel surface including cleaning the surface thoroughly cost of scaffolding and taxes all complete as per direction of E/I.	330.00 M ²

11	Providing P.C.C m-150 with nominal mix of (1:2:4) in foundation and plinth with approved quality of stone chips 20mm to 6 mm. size grade and clean coarse sand of F.M. 2.5 to 3 including screening, shutting, mixing cement concrete in mixer and placing in posting, vibrating, striking, curing, (but excluding the cost of reinforcement, taxes and royalty all complete, as per building specification and direction of E/I.	2.34 M ³
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II. Horticulture work:

Sl. No.	Description of work	Quantity
1	Trenching in ordinary soil up to a depth of 60 cm including removal and stacking of serviceable materials and then disposing of surplus soil, by spreading and neatly levelling within 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 trench with water (excluding cost of imported earth, sludge or manure)	15091.73M ³
2	Supplying and stacking of good earth at site including royalty and carriage up to 5 km complete (earth measured in stacks will be reduced by 20% for payment)	2350.00 M ³
3	Supplying and stacking sludge at site including royalty and carriage up to 5 km complete (sludge measured in stacks will be reduced by 8% for payment)	800.00 M ³
4	Supplying and stacking of well decayed cattle manure at site including royalty and carriage up to 5 KM lead complete (cattle manure measured in stacks will reduced by 8% for Payment).	800.00 M ³
5	Rough dressing the trenched ground including breaking clods	25882.48 M ²
6	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	25882.48 M ²
7	Fine dressing of the ground.	9388.48 M ²
8	Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge (cost of sludge, dump manure and/ or good earth to be paid separately)	3950.00 M ³
9	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	3950.00 M ³
10	Providing & laying Selection no. 1 grass turf with earth 50mm to 60mm thickness on existing ground prepared with proper level and ramming with required tools wooden and than rolling the surface with light roller make the surface smoothen and light watering the same, as per direction of officer in charge	7957.25 M ²
11	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, levelling 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)	1614.67 M ³
	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)	

12	Holes 1.2 m dia and 1.2 m deep	500.00 ea
13	Holes 90 cm dia, and 90 cm deep	500.00 ea
14	Holes 60 cm dia, and 60 cm deep	4000.00 ea
15	Holes 45 cm dia, and 45 cm deep.	32235.00 ea
16	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 : Common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1000.00 M
	Providing Circular Cement Concrete pots of specified size, cast with cement concrete of nominal mix 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 6 mm nominal size), reinforced with 7 Nos. (3 nos. horizontal & 4 nos. vertical “ U “ shape) M.S. wires of 3.5 mm dia. as per design, including required form work, finishing with cement punning on exposed surface, curing for specified period and stacking in required rows & height, all complete as per direction of Officer-in-charge.	
17	Top inside dia 35 cm, outer bottom dia 25 cm, total height 35 cm with wall thickness of 25.4 mm	400.00 ea
18	Top inside dia 30 cm, outer bottom dia 20 cm, total height 30 cm with wall thickness of 25.4 mm	600.00 ea
19	Providing Square Cement Concrete pots of specified size, cast with cement concrete of nominal mix 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 6 mm nominal size), reinforced with 7 Nos. (3 nos. horizontal & 4 nos. vertical “ U “ shape) M.S. wires of 3.5 mm dia. as per design, including required frame work, finishing with cement punning on exposed surface, curing for specified period and stacking in required rows & height, all complete as per direction of Officer-in-charge. Top inner width 35 cm, outer bottom width 25 cm, total height 35 cm and wall thickness 25.4 mm	200.00 ea
20	Filling of the following size empty pots with mixture of good earth & manure in the ratio of 2:1 (Two part of Good earth & one port of manure) and placing them on appropriate place i/c carriage of earth, manure and pots up to 50 mtr, as per direction of officer-in-charge. (The cost of good earth, earthen pots & manure will be paid separately.	
20(i)	Size of Empty Pots 22cm Top dia, 16cm Bottom Dia & 23cm Perpendicular height.	1000.00 ea
20(ii)	Size of Empty Pots 25cm Top dia, 15cm Bottom Dia & 25cm Perpendicular height	1000.00 ea
20(iii)	Size of Empty Pots 35cm Top dia, 25cm Bottom Dia & 35cm Perpendicular height.	1000.00 ea
21	Cutting of Hedge/Edge including removing of cut material, cleaning, hoeing of hedge/edge bed watering, manuring and applying insecticides and fungicides etc.(excluding the cost of material which shall be supplied by the department) and as per direction of officer-in-charge per month	2191.12 M ²
22	Cutting of Hedge/Edge including removing of cut material, cleaning, hoeing of hedge/edge bed watering, manuring and applying insecticides and fungicides etc.(excluding the cost of material which shall be supplied by Per Sqm the department) and as per direction of officer-in-charge per month	500.00 M ³
23	Plantation of Trees, Shrubs, and Hedge at site including watering and removal of unserviceable materials as per direction of officer-in-charge (excluding cost of plant & water)	
23(i)	Cost of plantation per tree plants	3000.00 ea
23(ii)	Cost of plantation per tree plants	24235.00 ea
23(iii)	Cost of plantation per tree plants	10000.00 ea

III. Landscaping:

Sl.	Description of work	Quantity
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No.		
1	Providing Cafeteria with all R.C.C. & P.C.C. works : (size : 15' x 15')	1 Nos.
2	Providing Rockery with all stone work & other related works : (size 5' to 8')	20 Nos.
3	Providing & Fixing of Fountains - Specification : (6' Ball with 18' dia Ring with Foam Fountain) and 16' dia Dome Ring Fountain (Crown Ring) (with all Brick work & tiles work & all electrical work completed to Fountain)	3 Nos.
4	Supply of Iron Pots of different size & shapes	10 Nos.
5	Providing R.C.C. Chairs with different designs & shapes (three seater) in wooden look	20 Nos.
6	Providing water-fall with all stones & gravels work & Bricks work with P.C.C. (SIZE size - 10' X 12')	1 Nos.
7	Garden light	125 Nos.

IV. Foliage plants:

Sl. No.	Description of work	Quantity
1	Providing and displaying of Areca Palm plant, having ht. 90 cm to 1.20 m with 4 to 5 suckers, well developed, fresh and healthy with lush green foliage in 20 cm size of Earthen pot / Plastic pot & as per direction of the officer-in-charge	200 EA
2	Providing and displaying of Areca Palm plant, having ht. 1.20 m to 1.50 m with 5 to 6 suckers, well developed, fresh and healthy with lush green foliage in 25 cm size of Earthen pot / Plastic pot & as per direction of the officer-in-charge	50 EA
3	Providing and displaying of Areca palm plant, having ht. 1.50 m to 1.80 m with 6 to 8 suckers, well developed, fresh and healthy with lush green foliage in 25 cm size of Earthen pot / Plastic pot & as per direction of the officer-in-charge.	50 EA
4	Providing and displaying of Areca Palm plant, having ht. 2.40 m to 2.70 m with 12 to 14 suckers, well developed, fresh and healthy with lush green foliage in 35 cm size of Bucket type cement pots & as per direction of the officer-in-charge.	20 EA
5	Providing and displaying of Croton baby golden variety plant, having ht.30 cm and above, well developed with full of fresh and healthy leaves in 20 cm size of Earthen pot / Plastic pot & as per direction of the officer-in-charge	100 EA
6	Providing and displaying of Croton Golden plant, having ht. 45 cm to 60 cm with 2 to 3 branches, well developed, fresh and healthy foliage in 25 cm size of Earthen pot / Plastic pot as per direction of the officer-in-charge	100 EA
7	Providing and displaying of Dracaena fragrans "Massangeana" plant, having ht. 30 cm & above with full of leaves, well developed, fresh and healthy in 25 cm size of Earthen pot / Plastic pot & as per direction of the officer-in-charge.	200 EA
8	Providing and displaying of Money Plant Golden leaves mounted on moss stick 90cm ht., having 3 plants at equal distance, well developed with full of fresh, shining and healthy leaves from bottom to top in 25 cm size of Earthen pot /Plastic pot & as per direction of the officer-in-charge.	200 EA
9	Providing and displaying of Schefflera Green plant (three in one), mounted on moss stick 90 cm, well developed with full of fresh & healthy leaves from bottom to top with rich foliage in 25 cm size of Earthen pot / Plastic pot & as per direction of the officer-in-charge	100 EA
Total nos. of plants = 1020		

V. SEASONAL PLANTS winter:

Sl. No.	Description of work	Quantity
1	Providing and Displaying plants Allyssum white in full bloom well developed fresh & healthy Plant in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	500.00 EA
2	Providing and Displaying plants Anemone hybrid (3 in one) variety well developed with fresh & healthy Flower in full bloom in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	200.00 EA
3	Providing and Displaying plants Antirrhinum Hybrid Dwarf variety (3 in one)well developed with fresh & healthy Flower multi branch in full bloom in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	100.00 EA
4	Providing and Displaying plants Antirrhinum Hybrid dwarf variety, specimen(8-10 plants) with fresh & healthy foliage in full bloom well developed in 35 cm Earthen Tray/Challi Pot and as per direction of the officer-in-charge	50.00 EA
5	Providing and Displaying plants Asiatic lilly hybrid variety (3 in one) plants in each pot having in full bloom 3 to 5 flowers 30 to 45 cm ht. well developed in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	100.00 EA
6	Providing and Displaying plants Aster Hybrid variety in different colour, well developed with fresh & healthy foliage in full bloom 23 to 30 cm ht., in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	200.00 EA
7	Providing and Displaying plants Bigonia rex having 15 to 23 cm ht., well developed with fresh & healthy foliage with 10 to 12 flowers in bloom in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	100.00 EA
8	Providing and Displaying plants Brachycome well developed with fresh & healthy foliage with 100 to 120 flowers stacking with green painted bamboo stick in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer in-charge.	100.00 EA
9	Providing and Displaying plants Calceolaria hybrid variety in full bloom well developed with fresh & healthy foliage in 20 cm Earthen Pot/Plastic Pot as per direction of the officer-in-charge	200.00 EA
10	Providing and Displaying plants Calendula double variety well developed with fresh & healthy foliage in full bloom in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	50.00 EA
11	Providing and Displaying plants Chrysanthemum double variety, well developed, having 45 to 60 cm ht., with 6 and above flowers with half blooming condition, fresh and healthy with bamboo stacking in 25 cm Earthen Pot and as per direction of the officer-in-charge.	100.00 EA
12	Providing and Displaying plants Chrysanthemum single variety in different colour well developed having 45 to 60 cm ht., minimum 100 and above half bloom flowers open well stacked with bamboo stick having three layer tiding by thread fresh and healthy foliage in 25 cm Earthen Pot and as per direction of the officer-in-charge.	200.00 EA
13	Providing and Displaying plants Cineraria dwarf indifferent colour with fresh& healthy foliage well developed in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	200.00 EA
14	Providing and Displaying plants Clarkia well developed with fresh & healthy foliage, 5 to 6 branches in full bloom with stacking in25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	200.00 EA
15	Providing and Displaying plants Clianthus well developed, with fresh & healthy foliage in bloom 30 to 45 cm ht., with stacking in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	100.00 EA

16	Providing and Displaying plants Coleus broad leaves having 3 to 4 branches equal well developed with fresh & healthy foliage in different colour in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	100.00 EA
17	Providing and Displaying plants Cyclamen hybrid variety fresh & healthy in full bloom well developed in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	200.00 EA
18	Providing and Displaying plants Dahlia double kenya variety in different colour well developed with 3 to 4 flowers in half bloom, good foliage stacked with Green painted Bamboo sticks, 45 to 60 cm height in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	200.00 EA
19	Providing and Displaying plants Daisy well developed with fresh & healthy foliage in full bloom in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	100.00 EA
20	Providing and Displaying plants Dianthus in different colour well developed with fresh & healthy foliage 30 cm ht., in full bloom with stacking in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	100.00 EA
21	Providing and Displaying plants Fressia hybrid 6 to 8 plants in a pot in full bloom, with fresh and healthy flower and foliage stacked with Green painted bamboo sticks in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	100.00 EA
22	Providing and Displaying plants Gazania hybrid in different colour well developed with fresh & healthy foliage with full bloom in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	100.00 EA
23	Providing and Displaying plants Geranium double variety having 30 cm ht., in different colour well developed with fresh & healthy foliage (3 in one) well bloomed in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	100.00 EA
24	Providing and Displaying plants Helianthus different colour with full bloom (3 in one) fresh & healthy in 25 cm Earthen Pot/Plastic Pot well developed as per direction of the officer-in-charge	50.00 EA
25	Providing and Displaying plants Marigold jaffri dwarf in different colour well developed with fresh & healthy foliage with 12 to 15 flowers in full bloom specimen plant 23 to 30 cm ht. in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	200.00 EA
26	Providing and Displaying plants Marigold(Tagetes) inca hybrid different colour having 30 cm and above ht., with 6 to 8 flowers in bloom & blooming condition, well developed pot should be fully covered with fresh and healthy, foliage and flowers in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	200.00 EA
27	Providing and Displaying plants Ornamental Kale Hybrid variety in full bloom with fresh & healthy foliage well developed in 25 cm Earthen Pot in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	50.00 EA
28	Providing and Displaying plants Pansy Hybrid Sakata well developed with fresh & healthy foliage with 3 to 4 flower in bloom in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	200.00 EA
29	Providing and Displaying plants Petunia hybrid different colour single well developed in full bloom in 20 cm Earthen/Plastic Pot and as per direction of the officer-in-charge.	100.00 EA
30	Providing and Displaying plants Phlox in different colour well developed with fresh & healthy foliage 30 cm ht., in full bloom with stacking in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	100.00 EA
31	Providing and Displaying plants Poincettia Dwarf variety different colour well developed 23 to 30 cm ht., 3 to 4 branch full bloom with fresh & healthy foliage in 15 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	100.00 EA

32	Providing and Displaying plants Primula Hybrid variety specimen 5-6 plants in each Pot with fresh & healthy foliage in full bloom different colour well developed in 35 cm Earthen Tray/ Nand as per direction of the officer-in-charge.	20.00 EA
33	Providing and Displaying plants Ranunculus Hybrid variety in different colour specimen 5-6 plants in each Pot with fresh & healthy foliage in full bloom well developed in 35 cm Earthen Tray/ Nand as per direction of the officer-in-charge.	100.00 EA
34	Providing and Displaying plants Salvia dwarf variety with fresh & healthy foliage well developed multi branching in blooming stage in 15 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	50.00 EA
35	Providing and Displaying plants Star of Bethlem (Chinchi - Rinchi), 5 to 6 plant in each Pot full bloom, with fresh and healthy foliage flower in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	100.00 EA
36	Providing and Displaying plants Tulip Dutch hybrid variety (3 in one) plants in each pot in full bloom fresh & bright in different colour well developed in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	150.00 EA
37	Providing and Displaying plants Verbina in different colour having 30 to 45 cm ht., well developed with fresh & healthy foliage in bloom condition in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	150.00 EA
Total no. of plants =4970		

VI. SEASONAL PLANTS summer:

Sl. No.	Description of work	Quantity
1	Providing and Displaying plants Celosia well developed fresh & healthy 20to 25 cm ht. (attractive) multi branching at blooming stage in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	200.00 EA
2	Providing and Displaying plants Cockscomb well developed fresh & healthy 20 to 25 cm ht. attractive colours fully bloomed in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	500.00 EA
3	Providing and Displaying plants Cosmos well developed fresh & healthy 20to 25 cm ht. attractive colours multi branching at blooming stage in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	100.00 EA
4	Providing and Displaying plants Gaillardia double hybrid variety well developed 30 to 45 cm ht 20 to 30 fresh & healthy flower with green painted bamboo stick in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	200.00 EA
5	Providing and Displaying plants Gamphrina well developed fresh & healthy 30 to 45 cm ht. bushy plant 15 & above flower in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	100.00 EA
6	Providing and Displaying plants Kochia well developed fresh & healthy 20to 25 cm ht. lush green well shaped in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	200.00 EA
7	Providing and Displaying plants Portulaka hybrid in different colour with bloom well developed fresh & healthy in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	100.00 EA
8	Providing and Displaying plants Sunflower hybrid well developed 15 to 20cm ht. with fresh & healthy foliage at blooming stage in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge	100.00 EA

9	Providing and Displaying plants Tapioca variegated (Manihot esculenta) well developed fresh & healthy 30 to 45 cm ht. in bright colour foliage in 25cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	100.00 EA
10	Providing and Displaying plants Vinca different colour 6 to 8 well developed branch in full bloom stacked with green painted Bamboo stick in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	200.00 EA
11	Providing and Displaying plants Zinnia hybrid double in different colour well developed fresh & healthy 30 to 45 cm ht. (3 to 4 plants in each pot) full bloom in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	250.00 EA
	Total no. of plants = 2050	

VII. Rose:

1	Providing and Displaying plants Budded Rose (H.T. variety) 3 to 4 healthy branch 30 cm and above ht. well developed with one and above flower plant in 20 cm Earthen Pot, as per direction of the officer-in-charge	500.00 EA
2	Providing and Displaying plants Creeper Rose variety 3 to 4 healthy branch 60 cm and above ht. well developed with one and above flowers in 25 cm Earthen Pot, as per direction of the officer-in-charge	500.00 EA
3	Providing and Displaying plants Standard Rose (H.T. variety) 3 to 4 healthy branch 90 cm and above ht. well developed with one and above flowers in 25 cm Earthen Pot, as per direction of the officer-in-charge.	500.00 EA
	Total no. of plants = 1500.00	

VIII. Ornamental plants:

Sl. No.	Description of work	Quantity
1	Providing and Displaying Acalypha green plant well developed, fresh & healthy with good foliage, multi branch 30 to 45 cm ht. in 20 cm size Earthen Pot/ Plastic Pot bushy plant as per direction of the officer-in-charge.	50 EA
2	Providing and Displaying Acalypha red plant well developed with fresh & healthy 30 to 45 cm ht. in 20 cm size Earthen Pot/ Plastic Pot as per direction of the officer-in-charge	50 EA
3	Providing and Displaying Bamboo Buddha valley plant with fresh & healthy 3 to 4 suckers having 75 to 90 cm ht. in 25 cm size Earthen Pot/ Plastic Pot as per direction of the officer-in-charge	20 EA
4	Providing and Displaying Bismarkia Palm plant 115 to 180 cm ht., well developed 12 and above good colour fresh and healthy leaves in 40 cm Cement Pot as per direction of the officer-in-charge.	25 EA
5	Providing and Displaying Cycus cirsnallis plant well developed with fresh & healthy 35 to 40 lush green leaves in 40 cm Cement Pot as per direction of the officer-in-charge	25 EA
6	Providing and Displaying Cyprus Golden plant 30 to 45 cm ht. well developed good Golden colour foliage, Conical Shape in 25 cm Earthen Pots as per direction of the officer-in-charge	50 EA
7	Providing and Displaying Ficus black vivion piller topiary plant (Cylinder type) well developed with fresh & healthy 180 to 210 cm ht in 40 cm Cement Pot as per direction of the officer-in-charge.	50 EA
8	Providing and Displaying Ficus Nuda topiary plant well developed with fresh & healthy 5 to 6 big ball specific size and shape 180 to 210 cm ht in 40 cm cement Pot as per direction of the officer-in-charge	50 EA

9	Providing and Displaying Ficus Retusa topiary well developed with fresh & healthy 5 to 6 big ball specific size and shape 180 to 210cm ht in 40 cm Cement Pot as per direction of the officer-in-charge	10 EA
10	Providing and Displaying Fishtail palm plant well developed with fresh & healthy foliage leaves of ht 210 to 240cm Specimen plant in 35 cm Cement Pot as per direction of the officer-in-charge	20 EA
11	Providing and Displaying Foxtail palm plant well developed with fresh & healthy foliage of ht. 210 to 240 cm in big 40 cm Cement Pot as per direction of the officer-in-charge	200 EA
12	Providing and Displaying Furcaira variegated plant well developed with fresh & healthy foliage 8 to 10 leaves in 30 cm Earthen Pot as per direction of the officer-in-charge. Providing and Displaying Furcaira variegated plant well developed with fresh	200 EA
13	Providing and Displaying Golden Bottle brush Topiary plant well developed with fresh & healthy foliage 5 to 6 big ball 115 to 180 cm ht in 40 cm Cement Pot as per direction of the officer-in-charge. & healthy foliage 8 to 10 leaves in 30 cm Earthen Pot as per direction of	100 EA
14	Providing and Displaying Latania Rubra Palm plant well developed with fresh & healthy foliage 150 to 180 cm ht. with 6 to 7 leaves in big 35 cm Cement Pot as per direction of the officer-in-charge	25 EA
15	Providing and Displaying Topiary of Casuarina plant fresh & healthy having 5 to 6 specific shape and size ball well developed 195 to 210 cm ht. in 40 cm Cement Pot as per direction of the officer-in-charge.	200 EA
16	Providing and Displaying Travellar palm plant well developed with fresh & healthy leaves foliage 210 to 240 cm ht specimen plant in 40 cm Cement Pot as per direction of the officer-in-charge	20 EA
	Total no. of plants =1095	

IX. Ground Cover plants:

Sl. No.	Description of work	Quantity
1	Providing and Displaying of Alternanthera species plant of height 15 cm to 20 cm, full of branches and foliage in 15 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge	1000 EA
2	Providing and Displaying of Asparagus marrie plant, well developed 15 to 20 leaves, full of branches and foliage in 25 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge.	500 EA
3	Providing and Displaying of Aspidistra plant, having 10 to 15 leaves well developed with fresh & healthy in 25 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge.	200 EA
4	Providing and Displaying of Clerodendron inerme plant having ht. 25 cm to 32 cm multi branched in 20 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge.	500 EA
5	Providing and Displaying of Chlorophytum-variegated plant, full of leaf suckers in 15 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge.	200 EA

6	Providing and Displaying of Cuphea chinensis plant of ht. 30-45 cm full of branches and healthy foliage in 25 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge	200 EA
7	Providing and Displaying of Dianella variegated plant, with 3 to 4 variegated leaves in 20 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge	200 EA
8	Providing and Displaying of Duranta Golden plant, having ht.15 to 20 cm bushy shape plant with fresh and healthy leaves in 20 cm size of EarthenPot / Plastic Pot & as per direction of the officer-in-charge	3000 EA
9	Providing and Displaying of Euphorbia milli hybrid variety plant, having ht.30cm to 45 cm with multi branch, full bloom, fresh and healthy leaves in 20cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge	200 EA
10	Providing and Displaying of Ipomea (Golden leaves) plant, with fresh and healthy leaves in 15 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge	100 EA
11	Providing and Displaying of Iresine herbstii plant, of height 20-30 cm. full of branches well developed in 15 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge	500 EA
12	Providing and Displaying of Juniperus prostrata plant with 5 to 6 lateral branches and green foliage in 20 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge. Providing and Displaying of Juniperus prostrata plant with 5 to 6 lateral	500 EA
13	Providing and Displaying of Ophiopogon plant, Green/Black full of leaves in 20 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge.	1000 EA
14	Providing and Displaying of Portulacaria afra (Jade plant) with 5 to 6 branches in 20 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge	100 EA
15	Providing and Displaying of Schflera green plant, having 3 to 4 branch, ht.30 to 45 cm well developed with fresh & healthy in 20 cm size of Earthen Pot/Plastic Pot as per direction of the officer-in-charge branches and green foliage in 20 cm size of Earthen Pot / Plastic Pot &	1000 EA
16	Providing and Displaying of Setcreasea purpurea plant full of variegated leaves in 20 cm size of Earthen Pot/Plastic Pot as per direction of the officer-in-charge	500 EA
	Total no. of plants =9700	

X. Tree plants:

Sl. No.	Description of work	Quantity
1	Supply and stacking of Bottle palm plant of ht. 150-180 cm bottom girth 20-25 cm well developed in big poly bags of size 25 cm as per direction of the officer-in-charge.	150 EA
2	Supply and stacking of Ficus benjamina (green) plant of height 120-135cm. with 6-8 branches and lush green foliage in g. bags of size 25 cm as per direction of the officer-in-charge	200 EA
3	Supply and stacking of Ficus religiosa (Peepal) plant of height 150-165cm. in big poly bags of size 30 cm as per direction of the officer-in-charge	100 EA

4	Supply and stacking of Grevillea robusta (Silver Oak) plant of height 150-165 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge.	100 EA
5	Supply and stacking of Foxtail palm plant of ht. 120-150 cm bottom girth 15-20 cm well developed in big poly bags of size 25 cm as per direction of the officer-in-charge	100 EA
6	Supply and stacking of Inga dulcis (Jungle Jalebi) plant of height 150-165cm. in big poly bags of size 25 cm as per direction of the officer-in-charge	50 EA
7	Supply and stacking of Millettia ovalifolia plant of height 120-135 cm. in big poly bag of size 25 cm as per direction of the officer-in-charge	100 EA
8	Supply and stacking of Mimosa elengi (Maulsri) plant of height 150-165cm. in big poly bag of size 25 cm as per direction of the officer-in-charge.	200 EA
9	Supply and stacking of Parkinsonia species plant of height 120-135 cm. in big poly bag of size 25 cm as per direction of the officer-in-charge	50 EA
10	Supply and stacking of Phyllanthus emblica (Amla) plant of height 150-165 cm. in Big HDPE Bag as per direction of the officer-in-charge.	50 EA
11	Supply and stacking of Pongamia glabra (Papri) plant of height 120-135 cm. in big poly bag of size 25 cm as per direction of the officer-in-charge	200 EA
12	Supply and stacking of Pterospermum acerifolium (Kanak Champa) plant of height 150-165 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge.	50 EA
13	Supply and stacking of Schleicheria trijuga (Kusum) plant of height 150-165 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge	100 EA
14	Supply and stacking of Eugenia jambolana (Jamun) plant of height 150-165 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge	50 EA
15	Supply and stacking of Tamarindus indica (Imli) plant of height 120-150cm. in big polybags of size 25 cm as per direction of the officer-in-charge.	50 EA
16	Supply and stacking of Tecoma argentea plant of height 120-135 cm. in big poly bag of size 25 cm as per direction of the officer-in-charge	200 EA
17	Supply and stacking of Tectona grandis (Teak) plant of height 150-165 cm. in big polybags of size 25 cm as per direction of the officer-in-charge	50 EA
18	Supply and stacking of Terminalia arjuna plant of height 150-165 cm. in big polybags of size 25 cm as per direction of the officer-in-charge	50 EA
	Total no. of plants = 1850	

XI. Shrubs:

Sl. No.	Description of work	Quantity
1	Supply and stacking of plant Calliandra, emarginata of height 45-60 cm. In earthen pot of size 20 cm as per direction of the officer-in-charge	3500 EA
2	Supply and stacking of plant Calliandra hybrida of height 75-90 cm. with 4-5 branches in bag of size 25 cm as per direction of the officer-in-charge	2000 EA
3	Supply and stacking of plant Ficus blackii (F.vivion) of height 45-60 cm. with 6-8 branches healthy foliage in earthen pots of size 25 cm as per direction of the officer-in-charge	200 EA
4	Supply and stacking of plant Ficus blackii (F.vivion) (bushy) of height 150-165 cm. with 8-10 branches and healthy foliage in earthen pots of size 30 cm as per direction of the officer-in-charge.	200 EA

5	Supply and stacking of plant Ficus panda of height 45-60 cm. with 6-7 branches and healthy foliage in p.bag of size 25 cm as per direction of the officer-in-charge.	250 EA
6	Supply and stacking of plant Hamelia patens of height 30-45 cm. with 3-4 branches in poly bags of size 20 cm as per direction of the officer-in-charge	5000 EA
7	Supply and stacking of plant Tecoma stans of height 60-75 cm. branched in earthen pots of size 20 cm as per direction of the officer-in-charge.	1000 EA
8	Supply and stacking of plant Murraya exotica of height 45-60 cm. in poly bags of size 15 cm as per direction of the officer-in-charge.	2000 EA
9	Supply and stacking of plant Jatropha multifida (red colour) of height 45-60 cm. with 2-3 branches in earthen pots of size 20 cm as per direction of the officer-in-charge	500 EA
	Total no. of plants = 14650	

XII. Creeper plants:

Sl. No.	Description of work	Quantity
1	Supply and stacking of Bignonia venusta (Golden shower) plant of height 30 cm to 45 cm. in 20 cm size of Earthen pots / Plastic pots & as per direction of the officer-in-charge	50 EA
2	Supply and stacking of Ipomea purpurea (Morning glory) plant of height 30 cm to 45 cm. in 20 cm size of Earthen pots / Plastic pots & as per direction of the officer-in-charge	50 EA
3	Supply and stacking of Tecoma grandiflora plant of height 30 cm to 45 cm. in 20 cm size of Earthen pots / Plastic pots & as per direction of the officer-in-charge	100 EA
4	Supply and stacking of Vernonia laevis (curtain creeper) plant of height 30 cm to 45 cm. in 20 cm size of Earthen pots / Plastic pots & as per direction of the officer-in-charge	200 EA
	Total no. of plants = 400	

XIII. Supply of Pots fertilizer, insecticides & Fungicides:

Sl. No.	Description of work	Quantity
1	Earth Pots for House Plants & others :	
1.1	12" Pots -	60 EA
1.2	14" Pots -	90 EA
2	Designed cemented pots for outside Areas :	
2.1	16" Pots -	250 EA
2.2	18" Pots	350 EA
3	Fibre (Polyveny) pots for Indoor plants :	
3.1	12" Pots	260 EA
3.2	16" Pots -	360 EA
3.3	18" Pots -	460 EA
3.4	20" Pots -	600 EA
4	Supply and stacking of fertilizer at site including royalty and carriage	

4.1	urea	7.7 Kg
4.2	DAP	16.06 Kg
4.3	single super phosphet	11 Kg
4.4	potash	6.6 Kg
4.5	diAmmonium phosphet	16.5 Kg
4.6	neam cake	22 Kg
4.7	Karanj cakes	22 Kg
4.8	bone meal	33 Kg
4.9	lime	11 Kg
5	Supply of Bio-fertilizer (vermi compost)	11 Kg
6	Supply of weedicides (Gramoxone or excell)	991.1 Kg
7	Supply of solid insecticides for soil treatment (Thimate or Inmate or equivalent)	110 Kg
8	Supply of liquid insecticides / fungicides including all taxes	
8.1	fenvenrate-20EC	429 Ltr.
8.2	Endosulphan -20EC	412.5 Ltr.
8.3	Thimate	110 Kg
8.4	Karate	825 Ltr.
8.5	Dhanvan-20EC/Dursban-20 EC	275 Ltr.
8.6	Roger	440 Ltr.
8.7	Mancozeb	440 Kg
8.8	Bavistin	770 Kg
8.9	Diathen M 45	440 Kg
8.1	Combi (total Weeds killer or Gramoxon Excell	880 Ltr.

XIV. Maintenance of the entire garden:

Sl. No	Description of work	Quantity.
1	Complete maintenance of the entire garden features having as per yard stick in the garden area i.e. lawn trees, shrubs, hedge, flower beds, foliages, creepers etc. including hoeing, weeding pruning replacement of plants, gap filling, watering, mowing of lawn, grass cutting by lawn mower and brush cutter , removal of garden waste, applying insecticide, pesticide & fertilizers(whenever required) top dressing of lawn with good earth and manure and maintenance of other garden related works as directed by office-in-charge (Cost of Good Earth, Manure, Fertilizer, Insecticide , Pesticide will be provided by the Department & lawn mover and brush cutter with fuel , other T & P material/articles shall be provided by the contractor.)	25882.48 M ² per month
2	Maintenance of potted plant Earthen pot in displayed at ground floor only in bungalow, office complex including application of good earth, manure, insecticide, pesticide and fertilizer, removing of dry parts by pruning, cleaning dry leaves and displaying in appropriate place and replacement of broken pots, colouring of pots and change of location of pots and replacing with fresh plants as and when required (Materials shall be provided by the department) as per direction of officer in charge (For Earthen pot 750 Nos.)	1500 pots per month

3	Maintenance of potted plants Cement pots at ground floor in flats and ground floor bungalow, office complex including application of good earth, manure, insecticide, pesticide and fertilizer, removing of dry parts by pruning, cleaning dry leaves and displaying in appropriate place and replacement of broken pots, colouring of pots and change of location of pots and replacing with fresh plants as and when required (Materials shall be provided by the department) as per direction of officer in charge Per Pot (For Cement pots 300 Nos.)Per Month	1200 pots per month
4	Maintenance of potted plants Earthen pots in displayed at multi storied office buildings, flats and ground floor bungalow, office complex including application of good earth, manure, insecticide, pesticide and fertilizer, removing of dry parts by pruning, cleaning dry leaves and displaying in appropriate place and replacement of broken pots colouring of pots and change of location of pots and replacing with fresh plants as and when required (Materials shall be provided by the department) as per direction of officer in charge Per Pot (For Earthen pots 250 Nos.) Per Month	1000 pots per month

(Signature & Seal of Bidder)

TENUGHAT VIDYUT NIGAM LIMITED
HINOO, DORANDA, RANCHI-834002.

BILL OF QUANTITY**PART – II (PRICE PART)****NIT No. 09/CIVIL/W/TVNL/RAN/2017-18****Sub: Development of Landscape and Horticulture in the premises of Administrative Building, Shyamali Guest House, Hospital and Powerhouse at TTPS, Lalpania.**

Sl. No	Description of work	Quantity	Unit Rate (Rs)	Total Amount for one year (Rs.)
1	Civil work	01 job		
2	Horticulture	01 job		
3	Land scape	01 job		
4	Foliage and Shade Loving Plants	1020 Nos.		
5	Seasonal Plants Winter	4970 Nos.		
6	Seasonal Plants summer	2050 Nos.		
7	Rose	1500 Nos.		
8	Ornamental Plants	1095 Nos.		
9	Ground Covers Plants	9700 Nos.		
10	Tree Plants	1850 Nos.		
11	Shrubs	14650 Nos.		
12	Creeper Plants	400 Nos.		
13	Supply of Pots fertilizer, insecticides & Fungicides	01 job		
14	Maintenance of the entire garden	01 job		

Note:

1. Unit rate for items sl. no. 1,2,3,13 &14 shall be in Rs per month. For sl. no. 4 to 12, the rate shall be Rs per unit.
2. Total quoted cost will be the criteria for defining L₁ bidder
3. Service tax will be paid extra as applicable.

(Signature & Seal of Bidder)