

Haryana Forest Development Corporation

(A government of Haryana undertaking)



E-Tender Document

TENDER NO. : GM/HFDC/YNR/15/2026-27

TENDER ID:-2026_HBC_538097_1

Manufacturing and Supply of Cement Tree Guard with Material Complete in All Forms at HFDC Saw Mill, Jagadhri or its premise.

Haryana Forest Development Corporation

Office: General Manager Haryana Forest Development Corporation

Forest Complex, Jagadhri, Yamunanagar(Haryana)

Telephone 01732-237824

E-mail: gmhfdcynr12@gmail.com Website: www.hfdc.gov.in

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NOTICE INVITING TENDER (NIT)
HARYANA FOREST DEVELOPMENT CORPORATION
GENERAL MANAGER, HARYANA FOREST DEVELOPMENT CORPORATION LTD,
YAMUNANAGAR

Online bids under the two-bid system are hereby invited from the contractors registered with Haryana Forest Development Corporation (HFDC), Yamunanagar. The interested bidders may submit their bids at website <http://etenders.hry.nic.in>, for executing various logging/allied operations under the jurisdiction of General Manager, HFDC, Yamunanagar.

For further details please visit website

- (i) <http://etenders.hry.nic.in> and/ or
- (ii) <http://www.hfdc.gov.in>

Note: *Those interested for bidding but not yet registered as contractor with HFDC may get registered at any point of time.*

DETAILED NOTICE INVITING TENDER (DNIT)**TENDER NO15****DATED 01-08-2026****GENERAL MANAGER, HARYANA FOREST DEVELOPMENT CORPORATION, YAMUNANAGAR**

Online bids, under the two-bid system, for logging and allied works are hereby invited **from the contractors registered with Haryana Forest Development Corporation (HFDC), Yamunanagar.** The interested bidders may submit their bids at website <http://etenders.hry.nic.in>. The work is to be done on the basis of SOR of the HFDC and the bidders are to submit their offers Per Cement Tree Guard exclusive of GST as per detail attached at page No. 16 & 17. It implies that the bidder has to give only one quote and not separately for individual items of SOR. For accomplishing a work, not all items in SOR come into operation. The payment of work will be made only against items of work actually executed and qualify.

The logging and allied works are done by the HFDC as and when Orders of Work are received from Forest Department or other Organizations or Individuals. The spread of works is over vast geographical area. This DNIT is to select a contractor for works during the financial year 2026-27 and over an area identified as HFDC, Saw Mill Or its Premise Distt Yamunanagar. The successful bidder will be given work orders from time to time on as and where basis and as and when work becomes available.

The tentative details regarding the nature of work, specification of work, time schedule for completing the work, approximate quantity and amount is given as under:-

Area of Work	Particulars of the Work	Approximate Quantity of work during the financial year 2026-27	Earnest Money of the approximate amount	Estimated Amount of expenditure as per Departmental SOR (in Lakhs)	Tentative Time Schedule for completing the work
HFDC, Saw Mill Jagadhri or its premise	Manufacturing and Supply of Cement Tree Guard with Material Complete in All Forms at HFDC Saw Mill, Jagadhri or its premise.	10000 Nos.	20000/-	232.00	31.03.2027

Documents fee Rs. 5000+900=5900 & e-service fee Rs. 1000+180= 1180/- (Non refundable) through online

2-Key Dates:

- a) Time / date of online publication 01-08-2026
- b) Downloading of tender document from time 16.00 Hrs on 01-08-2026
- c) Pre- Bid Meeting, if required Not required
- d) Last Date for submission of bids is upto 11.00 Hrs on 11-08-2026
- e) Technical bid opening at 14.00 Hrs on dated 11-08-2026 onwards
- f) Financial / price bid opening at 14-00 Hrs on dated 11-08-2026 onwards
- g) Bidding Documents can be downloaded online from the Portal <http://etenders.hry.nic.in> by the Contractor/agency registered on the Portal by paying document fee and e-service charge.

Officer inviting Bids

**GENERAL MANAGER,
HFDC, YAMUNANAGAR**

TERMS AND CONDITIONS

1. Conditional bids will be treated as non-responsive and rejected.
2. All Bids will be opened by the Tender Opening & Evaluation Committee at the specified time and place.
3. The validity of bid is up to 31st March of the financial year 2026-27
4. The tender issuing authority reserves the right to accept or reject any or all the bids received without assigning any reasons thereof.
5. Rates shall be quoted in the prescribed format of the Tender Schedules clearly Per Cement Tree Guard exclusive of GST as per detail attached at page No. 16& 17, both in words and figures.
6. In case the documents attached with the bid does not satisfy the qualification criteria, the bid will be liable to be rejected summarily without giving any reason.
7. The details of items of work/plan, sanction, drawing, specification can be seen in the office of the Manager HFDC, Yamunanagar on any working day.
8. Bidders are advised to go through the Standing Order of HFDC regarding tender guidelines for execution of works in HFDC through item rate contract system (available at <http://hfdc.gov.in>).
9. In case of dispute, the jurisdiction of Civil Court will be at Jagadhri-Yamunanagar

-sd-

General Manager,
HFDC, Yamunanagar

HARYANA FOREST DEVELOPMENT CORPORATION
GENERAL MANAGER, YAMUNANAGAR
TENDER APPLICATION FORM (TECHNICAL BID DOCUMENT)
TENDER APPLICATION FORM – PART- I

Tender No 14

Date 01-08-2026

Tender for (Name of Work)

.....

From:

(Name in block letters) _____

(Address in full) _____

To

The General Manager
 HFDC, Yamunanagar

Sir,

In response to the Tender Notice No.GM/HFDC/YNR/15/2026-27 dated 01-08-2026, I..... hereby declare that I am authorized representative of Firm/ Society/ Agency and I have read all the conditions carefully and having agreed to them fully and unconditionally, I submit the Financial Bid attached with this document. The details mentioned herein are true to my knowledge and the documents as listed below are attached herewith.

Documents to be submitted: -

- a) Signed copy of Tender Document along with the terms and conditions (each page duly signed and stamped).
- b) Proof of Online payment of EMD / Tender Fee and E-Service Charges.
- c) Self-attested copy of PAN Card.
- d) Self-attested copy of GST No.
- e) Self-attested copy of work experience certificate
- f) Self-attested copy of work Registration certificate.
- g) Self-attested copy of Bank Account Details.
- h) Affidavit to the effect that applicant is not blacklisted by any authority.
- i) Detail of similar projects executed by the applicant during last two years:

Sr. No.	Name of the Department / Organization	Brief narration of the type of work implemented	Contract Value (only net checked amount issued by Authority)	Financial year of the completion of the work	Supporting documents against the claim
1.					
2.					
3.					
4.					

Signature of Bidder or Authorized Representative

Date _____

Place _____

HARYANA FOREST DEVELOPMENT CORPORATION
GENERAL MANAGER, HFDC, YAMUNANAGAR
TENDER APPLICATION FORM (FINANCIAL BID DOCUMENT)
TENDER APPLICATION FORM- PART-II

Tender No. 15/2026-27

Dated 01-08-2026

Name of Work Supply of Ready-Made Iron Tree Guards as per approved specifications.

Bidder Details

Particular	Details
Name of Bidder (in Block Letters)	
HFDC Registration No.	
Name of Proprietor/Partner/Authorized Signatory	
Complete Address	
Mobile No.	
E-mail ID	

To

The General Manager

Haryana Forest Development Corporation Ltd. Yamunanagar

Sir,

In reference to Tender No. **GM/HFDC/YNR/ 15/2026-27** dated 01-08-2026, I/We hereby submit our Financial Bid as under:

1 Tender Details

Particular	Details
Procuring Organization	Haryana Forest Development Corporation Ltd.
Office	General Manager, HFDC, Yamunanagar
Name of Work	Manufacturing and Supply of Cement Tree Guard with Material Complete in All Forms at HFDC Saw Mill, Jagadhri or its premise
Estimated Cost	₹2,32,00,000/- (Approx.)
Procurement Method	Open e-Tender (Two Cover System)
Contract Type	Item Rate Contract
Contract Period	Up to 31.03.2027
Delivery	As per Supply Orders issued by HFDC from time to time
Delivery Location	HFDC Saw Mill Unit, Jagadhri
Estimated Quantity	10,000 Nos. (Approx.)
Specification	As per Technical Specification attached with the Tender Document
Tender Inviting Authority	General Manager, HFDC, Yamunanagar

2 Schedule of Rates (Financial Bid)

Sr. No.	Description of Item	Unit	Approx. Qty.	Rate (₹) Per Cement Tree Guard (Excluding GST)
1	Manufacturing and Supply of Cement Tree Guard with Material Complete in All Forms at HFDC Saw Mill, Jagadhri or its premises as per approved technical specifications	Each (No.)	10,000	To be quoted online only

3 Notes

Sr. No.	Terms
1	The quoted rate shall be per Cement Tree Guard and shall be exclusive of GST.
2	The rate shall include the cost of material, stacking (Complete in all forms) and delivery at the destination specified in the Supply Order as per drawing and specification mentioned in Detail Attached
3	The supplied Cement Tree Guards shall strictly conform to the approved technical specifications and quality standards enclosed with the tender document.
4	Payment shall be released only after satisfactory inspection, verification of quantity and quality, and acceptance by the HFDC Technical Committee/Authorized Officer.
5	Any material found defective or not conforming to the prescribed specifications shall be replaced by the supplier within 07 days at his own cost.
6	The quantity mentioned is approximate and may increase or decrease as per the actual requirement of HFDC.
7	Financial bids shall be submitted online only through the Haryana e-Procurement Portal. No manual tender & financial bid shall be accepted.

Declaration

I/We have carefully read all the terms and conditions of the tender document and agree to abide by the same. The rates quoted by me/us are valid for the entire contract period.

Place _____

Date _____

Signature of Bidder

Seal of Firm

Name of Authorized Signatory: _____

HFDC Registration No.: _____

Undertaking

Having read the Standing Order of HFDC regarding tender guidelines for execution of works in HFDC through item rate contract system, all stipulations contained in the DNIT, all statutory obligations under Minimum Wages Act, Contract Labour (R&A) Act 1970, applicable Statutory Taxes & Charges, etc. and the terms and conditions including the Schedule of Rates of Works prevalent in HFDC carefully, and having agreed to them fully and unconditionally, my financial bid is submitted as above.

Date

Signature of the Bidder

Place

Name _____

TERMS AND CONDITIONS OF TENDER

1. For participation in e-tender the bidders shall have a digital signature and they need to register as a tenderer with Haryana Government e-procurement site i.e. <http://etenders.hry.nic.in>.
2. Participation in the online bid shall amount to bidder's acceptance of the terms and conditions of the tender. The right to participate in the tender is restricted to registered Contractors of HFDC. Tenders submitted by ineligible tenderers will not be considered and the same will be summarily rejected.
3. The tenderer/ bidders are expected to examine all instructions, forms, departmental technical notes, terms & conditions and general guidelines in the tender document before participation in the tender.
4. In case the tenderer/bidder has any doubt about the meaning of anything contained in the tender document, he may seek clarification on any working day during office hours from the office of the concerned General Manager/ Manager, HFDC.
5. The tenderer shall arrange the material, tool, implements, machinery, equipment, stores etc. required for successful completion of works at his own cost as this cost is inbuilt in the SOR. The use and payment of/for the material arranged by the Contractor shall be made only after quality and quantity certification of the material by the Manager. In case of any specific requirement which does not figure in the SOR, its rate shall be decided by the tender evaluation committee on basis of discreet market survey.
6. Information regarding the sites, nature of work, technical specifications, terrain, locality, approximate quantity, amount etc. can be collected from the office of the General Manager during office hours on all working days. The concerned Manager may be contacted for any assistance for site inspection/ field visits. Any plea of ignorance regarding existence of any condition of agreement or any complaint regarding the conditions in the tender will not be entertained. At all times during the contract period, the Manager and the work in-charge Asstt / Deputy Manager will be the immediate technical and administrative supervisors of the work. The bill raised by the Contractor on completion of the work order has to be certified and verified by the above said officials of HFDC as per the provisions contained in procedures of HFDC and as per the prescribed proforma [Form-XI]. The details of statutory payments are to be submitted by the contractor with the bill.
7. Before submitting the tender, the tenderer is advised to visit the area of work to study all the field conditions and nature of work and quote his rate with full knowledge of working conditions. No enhancement in rate due to any reason will be entertained on any ground at the time of execution of work.
8. The tenders shall be submitted only on the online web portal and all corrections/ over writings on the documents attached therein shall be signed by the tenderer himself. The tender form shall be filled up completely and all pages of it shall bear signature of the bidder.
9. The tenders shall be submitted in two parts, i.e., Part-I (Technical Bid) and Part-II (Financial Bid) on the concerned online web portal.
10. The Tender Opening & Evaluation Committee will open the bids in the presence of the Tenderers / Bidders or their representatives who wish to attend at the determined place and time. The qualification for the technical bid shall be based on the online receipt of all the documents required on or before the closing date and time of the bidding. Financial Bids/Price Bids of only the technically qualified bidders will be opened for evaluation.
11. Canvassing or negotiation, direct or indirect, would render the tender liable for exclusion from consideration.
12. The Tender issuing authority is not bound to accept the lowest rate/cost or any bid and may at any time by notice in writing to the bidder(s), terminate the tendering process. The lowest tender will ordinarily be accepted, but the authority competent to accept the tender reserves to himself the power of accepting or rejecting any tender by passing a speaking order.
13. In case the Contractor defaults or withdraws from discharge of the work order before its completion, the payment of the work already executed will be made to labourers through Manager on verification of the same by Assistant Manager/Deputy Manager and as per the work details entered in MB. The EMD of the defaulting contractor shall also be forfeited.
14. The tenders submitted by tenderers shall remain valid for acceptance up-to three months, from the date of opening of the tender. However, this period can be extended with the consent of both parties. During the

said period or the extended date as the case may be, the tenderer shall not be entitled to revoke or cancel his tender.

15.

Earnest Money Deposit

- i. An initial amount of Rs. 20,000 shall be payable as Earnest Money Deposit at the time of making application for tender/filing of tender.
- ii. An Earnest Money Deposit to the extent of 3% of the value of the work assessed for the Work Order shall be payable within 5 days of issuance of the work order and before commencing of the work.
16. The initial amount of Rs. 20,000 received as Earnest Money Deposit from unsuccessful bidders will be refunded without any interest within one month after decision of the tender. The initial amount of EMD of Rs. 20,000 and the subsequent amount of EMD received as 3% of value of work order shall be retained as Security Deposit of the successful bidder. The initial amount of EMD of Rs. 20,000 shall be refunded on completion of the tender and the subsequent EMD of 3% of the value of the work order will be refunded on completion of the work order on producing the Non-Liability Certificate from the concerned Manager, HFDC.
17. The tenderer whose tender is accepted will be informed regarding acceptance of his tender by registered post on his address mentioned in the tender. The successful tenderer shall execute an agreement in the prescribed form on a proper non-judicial stamp paper (worth Rs. 100.00) within seven days of the receipt of the confirmation of his tender, failing which the acceptance of his tender shall be considered as withdrawn and his Earnest Money Deposit shall stand forfeited. A further period of upto 7 days for agreement shall be permitted by the General Manager for signing the agreement if there is sufficient justification leading to the delay.
18. No advances shall be given to the contractor under any circumstances.
19. The tender issuing authority may terminate the work order if it is found that the Contractor has been blacklisted by any of the Government Departments/Institutions/Local Bodies/ Municipalities/ Public Sector Undertakings etc.
20. All statutory obligations under Minimum Wages Act, Contract Labour (Regulation and Abolition) Act, 1970, Service Tax/GST, Service Charges etc. shall be complied with by the Contractor. The Contractor shall be fully responsible for making all statutory payments including service tax, ESI, EPF, labour cess etc. Any report of violation of any stipulated condition may lead to termination of contract.
21. The HFDC shall not be liable for payment of any compensation to any workman of the contractor or any other person on account of any loss of life or property in the process of execution of the work order given to the contractor for any reason. The responsibility in this regard will be entirely of the contractor.
22. The General Manager shall issue a serially numbered Measurement Book to the Manager in Form- X. The Manager/ Dy. Manager shall prepare the MB and the Dy. Manager, Manager and the General Manager shall put their signatures and certify that they have checked the work to extent of 100%, 25% and 5% respectively. Measurement Book will be presented before the General Manager at the time of sanction of the bills.
23. The Contractor shall submit the bills in Form – XI against the completed work to concerned Manager, HFDC within the first week of every month. The concerned Manager and the work Incharge Asstt / Deputy Manager will verify the work within next 5 days and submit the bill to General Manager. The General Manager will make the payment to Contractor normally within 7 days of sanction of the bill. In case, any liability arises due to late submission of bills of completed works by the Contractor, the concerned Contractor will be responsible for the same. In case the Contractor is habitual of submission of late bills, then it may be considered as a ground for blacklisting him.
24. Payment as per the prevailing wage rate will be done by the Contractor in accordance with government rules and statutory laws. As the departmental SOR are based on minimum wages, whenever the minimum wage rate increases, the HFDC will pay the corresponding premium on the SOR.
25. The successful bidder shall not construct any permanent structure at the site of work and shall have no right on the land or asset of the Government. Any complaint of less wage payment/delay in payment of

wages may also lead to imposition of penalty including forfeiture of security amount and EMD. Any default in this regard will make the contractor liable to be blacklisted.

26. The successful bidder while execution of work should ensure adequate protection of existing plantation as well as other Govt. infrastructure, if any, existing at the site of work.
27. In case of disputes the matter shall be referred for sole arbitration to the Chief General Manager (having jurisdiction of the area of work) who shall be the arbitrator to the dispute. In process of arbitration the concerned General Manager, HFDC will be one of the parties to the dispute referred for arbitration and the contractor or his authorized representative will be the other party. The process of arbitration will be decided by arbitrator and will not be questioned by either party. The decision of arbitration shall be final and binding on both parties.
28. All disputes arising out of the execution of the agreement shall be subject to the jurisdiction of the Court at Jagadhri Yamunanagar

Signature of Contractor or Authorized
representative of Agency

Date:
Place:

Mobile _____
Address _____

SPECIAL TERMS & CONDITIONS

1. **Scope of Supply**

The tender is for the Manufacturing and Supply of Cement Tree Guard with Material Complete in All Forms at HFDC Saw Mill, Jagadhri or its premises strictly as per the technical specifications, drawings, and dimensions enclosed with the tender document.

2. **Eligibility of Bidders**

Only contractors/firms registered with Haryana Forest Development Corporation (HFDC) on the last date of submission of bids shall be eligible to participate in this tender. The bidder shall submit a valid HFDC Registration Certificate along with the technical bid. Bids submitted by unregistered contractors/firms or bidders whose HFDC registration is expired, suspended, or blacklisted on the date of bid submission shall be liable to be rejected.

3. **Eligibility Criteria**

The bidder should have experience of successfully supplying Iron Tree Guards or similar fabricated steel items to any Government Department, Board, Corporation, PSU, Urban Local Body, or reputed organization during the last two (02) years. Documentary proof in the form of Work Orders/Completion Certificates/Supply Orders shall be submitted along with the bid.

4. **Quality of Material**

The Cement Tree Guards shall be manufactured from new and unused material conforming to the specifications prescribed in the tender document. All Cement Concrete M 30 Grade, Plasticizer/ Hardener, Steel 6 mm TMT Bar and other components shall conform to the relevant BIS/ISI standards wherever applicable.

5. **Conformity to Specifications**

The supplied material shall strictly conform to the approved specifications, design, dimensions, weight, workmanship, and finishing mentioned in the tender. HFDC reserves the right to inspect the material before dispatch and at the delivery point.

6. **Inspection and Rejection**

The material shall be inspected by the authorized officers of HFDC. Any material found defective, damaged, undersized, underweight, or not conforming to the prescribed specifications shall be rejected. The supplier shall replace the rejected material at his own cost within the time specified by HFDC.

7. **Delivery of Material**

The supplier shall deliver the material at the destinations specified in the Supply Order as per drawing and specification mentioned in Detail Attached including stacking, and all incidental charges. No separate payment shall be admissible on this account unless specifically provided in the BOQ.

8. **Completion Period**

The entire supply shall be completed within the time specified in the Supply Order. Delay in supply may attract action as per the tender conditions, including cancellation of the Supply Order and forfeiture of the Performance Security, wherever applicable.

9. **Rate**

The quoted rates shall be firm and inclusive of all costs including Cement Concrete M 30 Grade, Plasticizer/ Hardener, Steel 6 mm TMT Bar, Exclusive of GST and delivery at the designated locations Order as per drawing and specification mentioned in Detail Attached. No escalation in rates shall be allowed during the currency of the contract.

10. Submission of Bills

The supplier shall submit the original Tax Invoice/Bill in the name of Haryana Forest Development Corporation Ltd. along with all supporting documents after successful delivery of the material. The invoice shall clearly indicate the applicable GST, HSN Code, GSTIN of the supplier, quantity supplied, rate, and value of goods. Payment shall be processed only after receipt of the complete bill, satisfactory inspection and acceptance of the material by the authorized officer of HFDC, and submission of all documents as required under the GST Act and applicable Government rules.

11. Payment

Payment shall be released only after satisfactory receipt, inspection, verification of quantity and quality, and acceptance of the supplied material by the authorized officer of HFDC.

12. Risk Purchase

In case the supplier fails to supply the material within the stipulated period or fails to replace rejected material, HFDC shall have the right to procure the material from any other source at the risk and cost of the defaulting supplier, without prejudice to any other action available under the contract.

13. Allocation of Supply

HFDC reserves the right to place the supply order in full or in part and to increase or decrease the quantity as per its actual requirement, subject to the applicable procurement rules.

14. Contract Period

The tender shall remain valid up to 31-03-2027 or till completion of the supplies ordered up to the said date, whichever is later.

15. Performance and Quality Responsibility

The supplier shall be solely responsible for the quality, strength, workmanship, and durability of the supplied Cement Tree Guards. Any manufacturing defect noticed during inspection before acceptance shall be rectified or replaced by the supplier at no extra cost.

16. Black Listing

The contractor may be blacklisted for misconduct such as violating labour laws, fraud, tampering with tenders, unauthorized use or theft of government materials, or failure to pay government dues/taxes without a valid dispute. Blacklisting may also apply if the contractor is convicted by account of law, found guilty of corrupt practices, or sublets/subcontracts the work without authorization. Any appeal against the blacklisting order must be submitted to the concerned Chief General Manager within one month of the order. The Appellate Authority will decide the appeal within 30 days, and its decision will be final with no further appeal.

17. Tie-Breaking Criteria

In case two or more bidders quote the same lowest (L-1) rates, preference shall be given in the following order:

- (i) Bidder having higher experience in similar supplies to Government Departments/PSUs;
- (ii) Bidder having higher average annual turnover during the last three financial years;
- (iii) Draw of lots, if required.

18. Right to Accept or Reject

HFDC reserves the right to accept or reject any or all bids, wholly or partly, without assigning any reason. The decision of the General Manager, HFDC, shall be final and binding on all bidders.

19. Jurisdiction

Any dispute arising out of this tender or the resulting contract shall be subject to the jurisdiction of the competent courts at Yamunanagar, Haryana only.

FORM-IX

HARYANA FOREST DEVELOPMENT CORPORATION**STANDARD AGREEMENT FORM****(TO BE EXECUTED ON A NON -JUDICIAL STAMP PAPER OF RS.100/-)**

AGREEMENT made this _____ day of _____ 20____ Between Shri/Ms. _____ of _____ (hereinafter referred to as the “Contractor”, which term shall unless the context indicates otherwise, include, besides the said Contractor his heirs, executors, administrators, legal representatives and assigns) of the one part and the Governor of Haryana (hereinafter called the “Government”) of the other part.

WHEREAS tenders were invited by the vide Reference No. _____ dated _____ issued by the General Manager for the forestry work _____ in the _____ of _____.

WHEREAS the Contractor has in his tender dated _____ addressed to the General Manager _____ Division, submitted his tender for the _____ work given in the land mentioned in the schedule hereto attached for a period ending on _____ and has undertaken to carry out all works according to the specifications contained in the conditions hereinafter appearing, at his own cost.

WHEREAS the said tender of the Contractor has been accepted by the General Manager/ tender committee _____ subject to the terms, covenants, conditions and provisions hereinafter appearing.

WHEREAS the Contractor has deposited Rs. _____ as EMD for the due fulfillment by him of the terms, covenants, conditions and provisions hereinafter contained and same will be converted into Security Deposit.

WHERE AS it is understood by and between the parties that the terms and conditions set out in the tender notice and the conditions of contract together with all schedules, drawings, sketches, rules appended here to form part of this agreement.

NOW THESE WITNESS that for carrying out the said agreement into execution the Contractor for himself, his heirs, executors, administrators, legal representatives and assigns and the General Manager _____ Division acting for and on behalf of the Governor of Haryana and his successors and assigns do here by mutually contract with the other and others of them as follows:-

Contractor

Witness

General Manager

HFDC, Yamunanagar

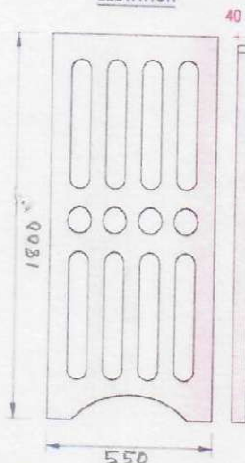
Specification of (RCC)Cement Tree Guard (Four Panel)			
a	Height	1800mm	
b	Width	550mm	
c	Thickness	40mm	
d	Concrete Grade	M-25	
Sr.No.	Particulars	Qty .	Unit
1	Cement Concrete M 30 Grade	12.0	Cft.
2	Plasticizer/ Hardener	1	Kg.
3	Steel 6 mm TMT Bar	15	Kg.

RCC TREE GUARD (PRECAST TYPE)

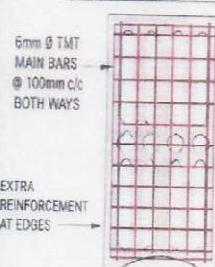
ISOMETRIC VIEW



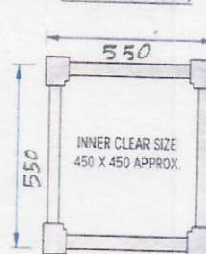
ELEVATION



REINFORCEMENT DETAIL (TYP.)

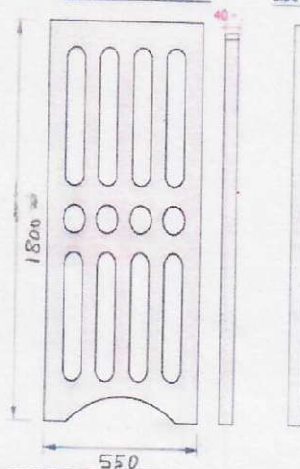


PLAN (TOP VIEW)



RCC PANEL (4 NOS.)

SIDE VIEW



SPECIFICATIONS

- MATERIAL : PRECAST REINFORCED CEMENT CONCRETE (RCC)
- CONCRETE GRADE : M25
- REINFORCEMENT : 6mm DIA TMT BARS
- COVER : 20mm
- FINISH : SMOOTH GREY CEMENT FINISH
- WEIGHT (APPROX.) : 85 - 95 kg PER PANEL

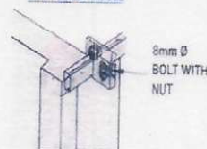
OVERALL DIMENSIONS

DESCRIPTION	SIZE
OVERALL HEIGHT	1800 mm
INNER CLEAR SIZE	450 X 450 mm APPROX.
PANEL WIDTH	550 mm
PANEL THICKNESS	40 mm
NO. OF PANELS	4 NOS
BOTTOM CLEARANCE	50 - 75 mm APPROX.

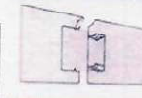
FIXING ARRANGEMENT

- PANELS JOINED TOGETHER USING M.S. CLAMPS / NUT BOLTS (3mm DIA BOLTS)
- OR
- INTERLOCKING GROOVE SYSTEM

M.S. CLAMP DETAIL



ALTERNATE : INTERLOCKING GROOVE

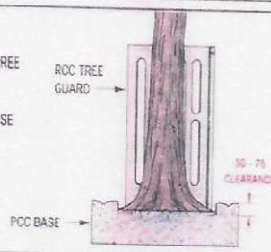


DESIGN FEATURES

- HEAVY DUTY AND VANDAL RESISTANT
- WEATHERPROOF AND CORROSION FREE
- SUITABLE FOR ROADSIDE PLANTATION AND PARKS
- ALLOWS PROPER AIR CIRCULATION AND SUNLIGHT
- PROTECTS YOUNG PLANTS FROM ANIMALS AND DAMAGE
- LOW MAINTENANCE AND LONG SERVICE LIFE

INSTALLATION

- PANELS ASSEMBLED AROUND TREE USING CLAMPS OR BOLTS
- INSTALLED OVER LEVEL PCC BASE
- CAN BE PARTIALLY EMBEDDED INTO GROUND FOR STABILITY



NOTE

DRAWING NOT TO SCALE
ALL DIMENSIONS ARE IN MM