



Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer
Darjeeling Wild Life Division,

Bengal Natural History Museum,
Meadow Bank Road, Darjeeling, 734101

Tel / Fax :: 0354 2257314, Email:: dfowildlife1@gmail.com



TENDER NOTICE NO. 01/CSS-RED PANDA CONSERVATION/DWLD/2018-19

Sealed Tenders in the prescribed Form are invited from the Registered Contractors/ enlisted class contractors of the PWD, CPWD, MES, Zilla Parishad or Railway department by **Registered Post/Speed Post/Courier** for execution of works as detailed in the Schedule of Works as per Tender condition. Tender will be received by Shri D.Rai ,I.F.S.,Divisional Forest Officer, Darjeeling Wildlife Division, Bengal Natural History Museum, Darjeeling, 734101, West Bengal up to **11.00 AM of 18.01.2019** in the office of the undersigned at Darjeeling. All tenders in sealed cover shall be addressed by name to the undersigned. All sealed envelopes shall have to be superscripted with the Tender Notice Number and Project Number.

Tender will be opened on **18.01.2019 at 13.00 hours** in presence of such Tenderers or their authorised representative, who may be present at that time.

TERMS & CONDITIONS

1. TENDER DOCUMENTS SHALL CONSIST:-

- The detailed notice inviting tender (hereinafter referred to as the 'Tender Notice')
- Application along-with required documents for obtaining Tender Forms shall be received by the Divisional Forest Officer, Darjeeling Wildlife Division within **18.01.2019** between office hours.
- The 'Tender Form' which can be obtained from the office of the **Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling on and from 10.01.2019 till 18.01.2019 between 10:30 a.m. to 4:30 p.m.** on cash payment against **Construction of 2 nos. watch Towers at Rithu-6 of Gairibus Beat, Singalila South Range & Phalut-4 of Gorkhey Beat, Singalila North range for Rs. 500/- only respectively as per Schedule (non-refundable)** or to be downloaded from website www.westbengalforest.gov.in or www.wildbengal.com and to be deposited with the tender document a demand draft drawn on any Nationalized Bank in favour of **Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling**, payable at Darjeeling, amounting **Rs. 500/-** as cost of Tender Form. The application for Tender Form including Credential Certificate from the Govt. Agencies, Sales Tax / GST Clearance Certificate, Valid Income Tax and Sales Tax for the project should be submitted failing which the Tender Form will not be issued. The actual tenderers who will apply for tender papers, are issued only on verifying his identity based on his original application, in case, found eligible after verification of the documents as sought for. The applicant should also indicate the **Project No.** for which the Tender Form and documents are asked for.

(d) For Project Nos. of enclosed Schedule of works, the listed Contractors of PHE, PWD, CPWD, MES, Zilla Parishad, Panchayet Samiti, Forest or Railway having entitlement for specified works having sufficient and adequate credential (in single piece of work) of not less than **60%** of Estimated project cost and not before last three years are eligible to bid.

(e) Earnest money of the works as stated in Schedule of works enclosed.

The intending tenderers may see the tender documents and other relevant particulars during office hours on any working day at the office of the undersigned.

2.(a) The intending Tenderers will apply within **18.01.2019** to the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling. Tender document along with valid up-to-date I.T., GST, Professional Tax Clearance Certificates and Credential Certificate in original for being entitled to receive the Tender documents for the work.

2.(b) Tender documents as mentioned in clause No.1 above may be purchased by the eligible tenderers from the officer as mentioned in clause 2(a) after the condition in clause 2(a) above are satisfied by the Divisional Forest Officer, Darjeeling Forest Division, Darjeeling.

3. All Tenders must be accompanied by an Earnest Money at the rate specified in the schedule of works payable and drawn in favour of the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling.

4. The Tender will be received by Shri D.Rai ,I.F.S., Divisional Forest Officer, Darjeeling Wildlife Division, Bengal Natural History Museum, Darjeeling, 734101 at his office on or before **18.01.2019** by **Registered Post/Speed Post/Courier** for the concerned work up to **10.00 AM** and will be opened on **18.01.2019 at 01.00 PM** by Divisional Forest Officer, Darjeeling Wildlife Division , Darjeeling in the presence of the Tenderers or his authorised representatives who choose to be present at the time of opening. If the office of the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling happens to be closed on the date of receipt of the Tender as specified, the Tender will be received and opened on the next day of opening of the office at the same time and venue.

5. The undersigned is not bound to accept the lowest quotation and reserves to the right and authority to reject in part or whole any or all of the tenders without assigning any reason therefore.

(a) Canvassing in connection with the tender documents is strictly prohibited and tenderers who resort to this will be liable for rejection of his tender papers.

6. Any Association, by whatever it is known, intending to submit a tender shall have to be constituted as such and registered under the Company's Act and the registered deeds and memorandum of the said Association shall have to be produced to the undersigned before opening of the tenders. If some of the intending tenderers enter into partnership business they shall have to produce the registered deed of partnership to the undersigned before opening the tenders. Representatives of the Companies, corporate bodies or individuals authorised to represent the said companies; corporate bodies or individuals in contractual and financial matters shall have to produce the original registered deeds of the Power of Attorney.

No tender form other than those bearing the signature with official seal of the undersigned or his authorised representative issued from this particular office mentioned above shall be treated as valid.

7. All intending tenderers must produce **Valid Income Tax and GST Clearance Certificate**, issued by the appropriate authorities. No affidavit in respect of the said clearance certificate will be accepted. If the clearance Certificates in original are not submitted with the tender in question the same shall be liable to be treated as invalid.

8. The Earnest Money deposited by unsuccessful tenderers will be refunded on application to the undersigned.

9. Each tenderers shall quote in the Tender Form in figures as well as in words his/their rates against each item (in the following form as applicable in his / their cases).

The Tender shall be clearly and legibly written, erasing or over-written shall not be allowed. Correction, if any, in the tender shall be scored out and signed (in full Signature and not use initials) by the person signing the tender form as token of such cancellation/ correction.

10. In the event of a tender being submitted by a Company or a corporate body the tender form must be signed by a member of the said Company/Corporate Body and the legal documents in support thereof must be produced to the undersigned for inspection.

11. The rate quoted by a tenderer must be inclusive of all taxes including GST, West Bengal Sales Tax. No Tax of any kind will be paid in any form.

No tender shall be deemed to be fit for consideration unless the Tender Form is fully and completely filled in and the information that are asked from a tenderer must be unequivocally furnished. Any tender which is incomplete or does not comply with the prescribed conditions or stipulations or any other contrary to those laid down therein or in other tender documents shall be liable to rejection at the time of opening of the tenders or at any time during subsequent scrutiny.

12. (a) A tender once submitted shall not be withdrawn within a period of 120 days from the last date of receipt of the tenders and if a tenderer withdraws his tender within the period of 120 days without giving justifiable reasons for such withdrawal to the satisfaction of the accepting authority of the tender, his earnest money as mentioned in clause (3) herein above **shall be forfeited** to the government and he shall render himself liable to be debarred from submitting any tender for works under the Wildlife Circle of the Directorate of Forests, West Bengal for minimum period of two years from the date of opening of the Tender, without prejudice to any other action deemed necessary against him.

(b) The successful tenderers, shall within 5 (five) days of receipt of an intimation from the undersigned regarding acceptance of his/their tender, deposit an Additional Amount (8%) by Demand Draft drawn of the Nationalised Bank or in any other mode in favour of **DFO, Darjeeling Wildlife Division, Darjeeling** and approved in writing by the undersigned which together with the amount already deposited as Earnest Money will be equivalent to 10% of the Tendered amount in case of all the projects as mentioned in enclosed Schedule. On deposition of this additional amount, if required the entire Earnest Money, together with the said additional amount will be converted to Security Deposit.

(c) A successful tender will become valid after being approved by the Chief Conservator of Forests, Wildlife, North, Government of West Bengal.

13. (a) The successful tenderers shall also have to sign an **'Agreement'** in the prescribed form (hereinafter referred to as the **'Agreement'** – copy of which may be seen at the office of the undersigned during office hours on any working day) at the time of depositing the Security Deposit as mentioned in Clause 12 (b) herein above.

(b) Failure in depositing the additional amount as mentioned in Clause 13(a) herein above shall render the tenderer liable to forfeiture of his Earnest Money deposit and shall make him liable to be debarred from submitting any tender for works under the Forest Department, Wildlife Circle, for a minimum period of two years from the date of opening of the Tenderer, without prejudice to any other action deemed necessary against him.

14. After completing payment as per Clause 12(b) herein above and after signing the agreement as mentioned in Clause 13(a) herein above, a work order will be issued to the successful tenderer by the undersigned to undertake works (hereinafter referred to as the **'Work Order'**).

The work must commence within seven days on receipt of the work order mentioned herein above. The time for completion of works for each project is noted against the said project in the enclosed Schedule of works. The progress of work will be judged with reference to lapse of time and $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ of the total work (in terms of value) should be completed within the equivalent time gap i.e. $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ of the time period allowed in the agreement counted from the date of issue of Work Order.

15. Period of Completion:- The project should be completed within 30 (Thirty) days from the date of intimation to the Contractor for go ahead. This should be adhered to the letter so that no complications do arise.

16. Extension of time will not be allowed except under very special circumstance at the discretion of the undersigned. If the successful tenderers require an extension of time for completion of the work on the grounds of his having been unavoidably hindered in the execution, the successful tenderers shall submit an immediate report of such hindrance within 7 (seven) days of commencement of such hindrance to the undersigned, in writing and apply in writing for the required extension of time for completion of the work. On the ground there to, the undersigned, within 5 (five) working days of the date of case but not later

than 7 (seven) days before expiry of the stipulated time for completion of work, the undersigned, may, if in his opinion the ground for the application for extension of time are reasonable, authorize such extension of time as in his opinion necessary and proper.

17. The tenderers are advised to visit and examine the site of works and its surroundings and obtain for himself on his own responsibility all information that may be necessary for preparing the tender and entering into a Contract. The costs of visiting the site shall be at Tenderer's own expense.

For any accidents occurring to any labourer/ workman employed by the successful tenderer, the tenderer shall himself be liable for such incidence and shall abide to clause 30 herein below.

18. (a) It must be clearly understood that the quality of work mentioned against each item of work in the detail estimate as mentioned in the schedule of the tender form may be applicable increased or decreased or any number of the item of work may be totally omitted during the actual execution. Also, it must be clearly understood that in the exigency of circumstances the details of works and the design and specification may have to be altered appreciably and item of works not mentioned in the detailed estimate of the tender form may have to be included. The contract shall remain unaffected by such alteration and/or additions and the successful tender shall be bound to execute the work as specifications so altered, at the rate quoted by him, provided, however, the tenderer shall not be bound to undertake the supplementary work (in terms of value) in case of value of the work exceeds the tender amount by more than 50% and the tender at the discretion of the undersigned may be allowed to undertake the supplementary work in such case only when the tenderer agrees to undertake the said supplementary works at the rate mentioned herein above. (b) The contract drawings read with the contract specification are intended to show and explain the manner of execution the work and to indicate type and class of material to be used. The works shall be carried out in accordance with the direction of the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling.

It shall be the responsibility of the contractor to promptly bring to the notice of the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling any error or discrepancy in the contract documents and obtained in order thereon. In case any feature of the works is not fully described and set forth in drawings and specification, the contractor shall forthwith apply to the Divisional Forest Officer for further instruction, drawing specification.

(c) The Divisional Forest Officer may order for modifications at any time before completion of the works. No modification shall be made unless the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling issues revised plan and or written instructions or both.

19. Signed drawing no authority to contractor: -

Signed drawing alone shall not be deemed to be an order for work unless entered in the agreement or schedule or drawing under proper attestation of the contractor and the Divisional Forest Officer or unless it has been sent to the contractor by the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling with a covering letter confirming that the drawing is an authority or work in contract.

20. The successful tenderers in any case shall have no claim for compensation on the ground that the total work in each item given to him and or done by him is in short or in excess of the estimated volume of work against the correspondence item as mentioned in the relevant details estimate as indicated in the schedule of the tender form.

21. Divisional Forest Officer's Decision: -

The contractor shall execute and mention the work in strict accordance with the contract to the satisfaction of the Divisional Forest Officer and shall comply with and adhere strictly to the instruction of the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling and direction on any matter whether mentioned in contract or not touching or concerning the work. The contractor shall take instructions and direction only from the Divisional Forest Officer or his representative duly authorised by the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling.

22.. Workmen/Labourers employed by the successful tenderer shall be paid minimum wages as per relevant Government Order or instruction in force. Forest Villagers near the site of the work shall have to be given preference in employment when they are willing to do this work.

23. Notice and instructions: -

The contractor shall furnish the postal address of his site office and any notice or instructions to be given to the contractor under the terms of the contract shall be deemed to have been served if it has been delivered to his authorised agent or representative at site, or sent by registered letter to the site office, not to the address of the firm last provided by the contractor.

24. The successful tenderer shall have to supply all the materials necessary for the work except those mentioned in the enclosed Schedule of works of the tender form.

25. Materials and workmanship: -

All materials, articles and workmanship shall be as specified and in accordance with the instructions of the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling. The Contractor shall without extra cost provide sample and arrange for the testing of materials and inspection of the works.

The Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling may reject at any stage any work, which he considers to be defective in quality and he shall not be debarred from rejecting the work materials by reason and having previously passed them as in unworkable condition. Any portion of the work of material rejection shall be removed from the work site at the contractor's expense, upon written instructions to that effect by the Divisional Forest Officer, Darjeeling Wildlife Division. Replacement of such work of materials shall be made at the Contractors expense.

The Divisional Forest Officer, Darjeeling Wildlife Division shall have the authority to get the quality of materials checked by any authorized person(s) in his behalf. All materials shall have to be kept securely by the successful tenderer and any loss thereof shall be borne by the tenderer himself. No liability shall rest on the Divisional Forest Officer, Darjeeling Wildlife Division.

In lieu of removing the materials of work which are in accordance with the contract, the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling allowed such materials of work to remain, and in that case such work may be paid at the reduced rates as may be decided by the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling.

26. Royalty shall have to be paid on all forest produce, that will be issued by the successful tenderers, in work other than repair work at the prevailing rates for Forest Produce adopted by Forest Directorate and Sales Tax thereon at the prevailing rates shall have to be paid at the time of payment of royalty, if not otherwise specified by the undersigned. The Sawn Timber will be supplied to successful tenderers as per the measurement list prepared.

27. The successful tenderers have no claim to any compensation in case of work under this project or part thereof has been abandoned prematurely on account of order of the higher authority and on account of non availability of the material specified to be supplied by the Forest Directorate as mentioned in or on account of natural calamity or under any order circumstances beyond control.

On completion of the entire work the contractor will submit his final bill. Payment of this bill shall not be considered conclusive evidence as to the sufficiency of any work or materials or correctness of measurement to which it relates, nor shall it relive the contractor from his liability arising from any defect.

No interim payments or advance payments will be made. All payments will be made by cheque.

28. During the course of the contract period, deduction of Income Tax and GST / Sales Tax of gross amount of each bill shall be made at the rate prescribed.

29. The successful tenderers shall not assign the agreement or sublet any portion of the works. The successful tenderers may however, appoint any authorised representative in respect of one or more of the following: -

a) General day to day measurement of work which shall be undertaken by the representative authorized in this regard by the undersigned.

b) To requisition materials, articles, etc. if any, (Provided the same is mentioned in the estimate) to be supplied by the Forest Directorate and to receive the same and sign as received thereof.

c) To attend measurements when taken by officers of Forest Directorate and sign the records of such measurement.

30. The contractor shall arrange for the safety of his plant materials and people employed by him in his operation as required. In case the contractor fails to make such arrangements the Divisional Forest Officer, Darjeeling Wildlife Division, Darjeeling shall be entitled to cause them to be provided and to recover the cost thereof from the contractor.

For any accident that may occur to any work men employed by the successful tenderers, entitling the work men or his dependants for claim of compensation under the work, means compensation act or any other action under any other law, the successful tenderers, not the Forest Directorate shall be liable for such compensation or action, in the case the Directorate is put to any loss or to expenditure on any accounts as mentioned in this Para, the successful tender shall be bound to compensate and or reimburse the Forest Directorate.

The undersigned shall also not be liable to compensate for any damage done by the natural calamities or party during execution of work.

31. In the event of any damage done to the Roads, telephone lines, electric lines or any other installation or property either belonging to the Government of West Bengal or to a private party in course of execution of works, the successful tenderers concerned shall be liable to compensate for the losses.

32. Any sum that may become due & payable to the successful tender or & the amount deposited as Security Deposit or any part thereof may be appropriated by the Forest Directorate in payment towards any amount that may become payable by the successful tenderers to the Forest Directorate under the provisions if any other contract entered in by the successful tenderers with the Forest Directorate.

No advantage should be taken or any clerical or typographical error at any stage of the work by the tenderers.

The terms & conditions of tender mentioned herein above shall be deemed to Form a part of the agreement itself which shall have to be executed by the successful tenderer after confirmation about the acceptance of tender as set forth in clause 14 herein above unless they are repugnant to the context.

33. The undersigned will have all right to change the number of units and its locations however the same will be within the jurisdiction of Darjeeling Wildlife Division, Darjeeling.

34. The tender is provisional and is subject to the availability of funds from the Government and may be cancelled even if all formalities are over without assigning any reasons. The decision of tendering authority will be final.

35. The part or entire running work thereof of the successful bidder is liable to be stopped if on inspection the work of successful bidder is not found to conform with the specification mentioned in schedule.

36. (The rate is to be quoted on percentage basis on the total estimated value of the work i.e. at per. percentage above or less, both in figures and in words – in case of building / construction works)

37. Un-skilled labourers are to be engaged from the local Village/ FPC Members.

38. The work order will be issued on receipt of the administrative and financial sanction from the Government and placement of fund thereof.

39. The work is subject to the sanction and approval of the appropriate authority.

40. In case of any dispute, the matter is arbitral before the Conservator of Forests, Wildlife Circle (North), West Bengal and his decision will be final and binding in this regard.

41. No tenderer will be allowed to participate in more than 2 (two) Project under this Scheme.

Divisional Forest Officer
Darjeeling Wildlife Division

Copy forwarded for information with a request for wide circulation to:-

- 1) **The Principal Chief Conservator of Forests & HoFF**, Directorate of Forests, Government of West Bengal.
- 2) **The Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife warden, West Bengal**, Directorate of Forests, Government of West Bengal.
- 3) **The Chief Conservator of Forests, Wildlife**, Directorate of Forest, Government of West Bengal,
- 4) The District Magistrate, Darjeeling District.
- 5) The Principal Secretary, GTA.
- 6) The Sub-Divisional Officer, Darjeeling.
- 7) The District Information Officer, Darjeeling.
- 8) The Executive Engineer, Public Works Department, Darjeeling.
- 9) The Assistant Divisional Forest Officer, Darjeeling Wildlife Division. He is to check the work in the field & report to the undersigned regularly.


Divisional Forest Officer
Darjeeling Wildlife Division



Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer
Darjeeling Wild Life Division,
Bengal Natural History Museum,
Meadow Bank Road, Darjeeling, 734101
Tel / Fax :: 0354 2257314, Email:: dfowildlife1@gmail.com



Schedule of works in connection with Tender Notice No. 01/CSS-RED PANDA CONSERVATION/DWLD/2018-19

Project No.	Description of Works	Estimated cost	Earnest Money	Period of Completion	Name of Range
1	Making of 2 Nos. watch Towers	Rs. 5,00,000.00	Rs. 10,000.00	30 Days	Singalila South & Singalila North Range

Divisional Forest Officer
Darjeeling Wildlife Division

NAME OF WORK : CONSTRUCTION OF WATCH TOWER AT SINGALILA NATIONAL PARK
 PLACE OF WORK : RITHU 6 SINGALILA ^{SOUTH} NORTH RANGE,
 GPS : N-27° 17'34.1" E-88° 50'18"

Item Number	Description of Item					Quantity	Rate	Unit	Amount Rs.
	Description of Item	Number	Length	Breadth	Height				
	PWD(WB)/BUILDING WORKS/Page-1/Item-2								
1	Earth work in excavation of foundation trenches or drains in all sorts of soil (including mixed soil but excluding laterite or sand stone) including removing, spreading or stacking the spoils within a lead of 75m.as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.								
1.01	(a) Depth of excavation not exceeding 1.500 mm.								
	Foundation trenches	4	0.50	0.50	1.80	1.80			
					Total	1.80	Cu.M	13491.80 % Cu.M.	242.85
								12%GST	
								1% LABOUR CESS	
	PWD(WB)/BUILDING WORKS/Page-1/Item-3								
2	Earth work in filling in foundation trenches or plinth with good earth in layers not exceeding 150 mm. including watering and ramming etc.layer by layer complete .(payment to be made on the basis of measurement of finished quantity of work)								
	(a) With earth obtained from excavation of foundation.								
	column footing	4	0.50	0.50	0.85	0.85	Cu.M		
					Total	0.85	Cu.M	8771.32 % Cu.M.	74.56
								12%GST	
								1% LABOUR CESS	
	PWD(WB)/BUILDING WORKS/Page-229/Item-11								
3	Laying 150 mm. to 200 mm. boulder soling including rough dressing hand packing and ramming down small pieces in the interstics including rolling and preparing the bed to proper level and filling up all joints with sandy clay or earth.								
	column footing	4	0.50	0.50		1.00	Sq.M		
	Plinth beam	4	0.30	0.30		0.36			
					Total	1.36	Sq.M	86.88 Sq.M.	118.15
								(64+64*20%)^	
								12%GST	
								1% LABOUR CESS	
	PWD(WB)/BUILDING WORKS/Page-229/Item-11A								

column footing	4	0.50	0.50	0.15	0.15	Cu.M			
P/wall	4	0.30	0.30	0.15	0.05	Cu.M			
				Total	0.20	Cu.M	1438.89	Cum.	287.78
							12%GST		
							1% LABOUR CESS		
PWD(WB)/BUILDING WORKS/Page-34/Item-22ii									
5 (II) Cement concrete with 30 mm. down graded shingles excluding shuttering.N.B. VarietyIn ground floor .									
(a) 1:3:6 proportion.									
column footing	4	0.50	0.50	0.075	0.08	Cu.M			
Plinth Beam	4	0.30	0.30	0.075	0.03	Cu.M			
				Total	0.11	Cu.M	6006.67	Cu.M	660.73
							(4425+4425*20%)^		
							12%GST		
							1% LABOUR CESS		
PWD(WB)/BUILDING WORKS/Page-42/Item-36									
6 Hire and labour charge for shuttering with centreing and necessary staging up to 4 m. using approved stout props and thick hard wood planks of approved thick ness with required bracing for concrete slabs, beams,columns, lintels curved or staight including fitting fixing and striking out after complection of works. (up to roof of ground floor).									
(a) 25 mm. to 30 mm. thick wooden shuttering as per									
col footing(1st step)	16	0.50		0.4	3.20	Sq.M			
Column upto 1st slab	16	0.35	0.35	4.5	8.82				
Plinth Beam	8	0.30		2	4.80	M			
Beams	12	0.30		2	7.20	M			
Slab	2	2.00	2.10		8.40	Sq.M			
Railing	4	1.20	0.150		0.72	Sq.M			
Steps for tower	11	1.20	0.150		1.98	Sq.M			
Soffits	1	4.20	0.100		0.42	Sq.M			
				Total	35.54	Sq.M	453.39	Sq.M.	16113.30
							(334+334*20%)^		
							12%GST		
							1% LABOUR CESS		
PWD(WB)/BUILDING WORKS/Page-26/Item-10									
7 Ordinary cement concrete (mix 1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant codes.									
(ii) River bazree.									
col footing(1st step)	4	0.50	0.50	0.4	1.00	Cu.M			
Column upto 1st slab	4	0.30	0.30	4.2	1.51				

		4	2.00	2.10	0.1	8.40	Cu.M			
Railing		4	1.20	0.100	0.1	0.48	Cu.M			
Steps for tower		11	1.20	0.300	0.15	0.59	Cu.M			
Soffits		1	4.20	1.200	0.1	0.50	Cu.M			
					Total	13.21	Cu.M	7958.67	Cu.M	105134.03
								(5863+5863*20%)^		
								12%GST		
								1% LABOUR CESS		
PWD(WB)/BUILDING WORKS/Page-43/Item-40										
8 Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at intersection, complete as per drawing and direction.										
(a) For works in foundation, basement and up to roof of SAIL/ TATA/RINL										
taking steel										
0.96%										
qty vide itm 7		1	7.85	0.01	13.21	1.00	mt			
					Total	1.00	mt	81746.40	M.T.	81746.40
								(60221+60221*20%)^		
								12%GST		
								1% LABOUR CESS		
PWD(WB)/BUILDING WORKS/Page-189/Item-1										
9 Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (ground floor). [Excluding cost of chipping over concrete surface].										
(ii) With 1:4 cement mortar .										
(a) 20 mm.thick plaster.										
qty vide itm 9										
Railing		4	0.60	1.20		2.88	Sq.M			
beams		12	1.20	2.00		28.80	Sq.M			
					Total	31.68	Sq.M	267.42	Sq.M.	8471.74
								(197+197*20%)^		
								12%GST		
								1% LABOUR CESS		
PWD(WB)/BUILDING WORKS/Page-200/Item-1b										
10 (a) Priming one coat on timber or plastered surface with synthetic enamel oil bound primer of approved quality including smoothening surfaces by sand papering etc.										
Slab		1	2.00	2.10	2.6	10.92	sqm			
					Total	10.92	Sq.M	51.58	Sq.M.	563.28
								(38+38*20%)^		

PWD(WB)/BUILDING WORKS/Page-200/Item-2						1% LABOUR CESS			
11	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand parpering etc. in cluding using of approved putty etc. on the surface , if necessary.								
	(a) On timber or plastered surface:								
	(1) With super gloss (hi-gloss).								
	(iv) Two coats (with any shade except white).								
	Slab	1	2.00	2.10		4.20	Sq.M		
		4	0.60	1.20		2.88			
					Total	7.08	Sq.M	111.31	Sq.M.
									788.07
								(82+82*20%)^	
								12%GST	
								1% LABOUR CESS	
PWD(WB)/BUILDING WORKS/Page-200/Item-1a									
12	(b) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.								
	Grill	4	1.20	2.00		9.60	Sq.M		
					Total	9.60	Sq.M	40.72	Sq.M.
									390.94
								(30+30*20%)^	
								12%GST	
								1% LABOUR CESS	
PWD(WB)/BUILDING WORKS/Page-100/Item-2									
13	M.S. structural works in roof trusses with tubular sections conforming to IS: 806- 1957 & IS: 1161- 1958 connected to one another with bracket,gusset,cleats as per design, direction of Engineer-In-Charge complete including cutting to requisite size. fabrication with necessary metal arc welding conforming to IS: 816- 1956 & IS: 9595 using electrodes of approved make and brand conforming to IS: 814- 1957, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section. consumables such as electrodes, gas and hire charges of all tools and plants and labour required for the work including all incidental charges such as electricity charges, labour insurance charges etc.(Payment to be made on the basis of calculated weight of structural tubular members as specified in relevent IS code in finished work. Payment for gusset, bracket, cleat may be made by adding the actual weight of such items with the weight of finished structural members. The rates are considered for a height of erection 8m./ 2nd. floor leves from the ground. Add 1.5% extra over the rate for each additional floor or 4m.								
	(ii) For trusses spanning above 12.00 m and up to 20.00 m.								
	16kg/sqm roof	1	2.30	2.40	16.00	88.32	Sq.M		
	Railing	3	1.20		16.00	57.60			

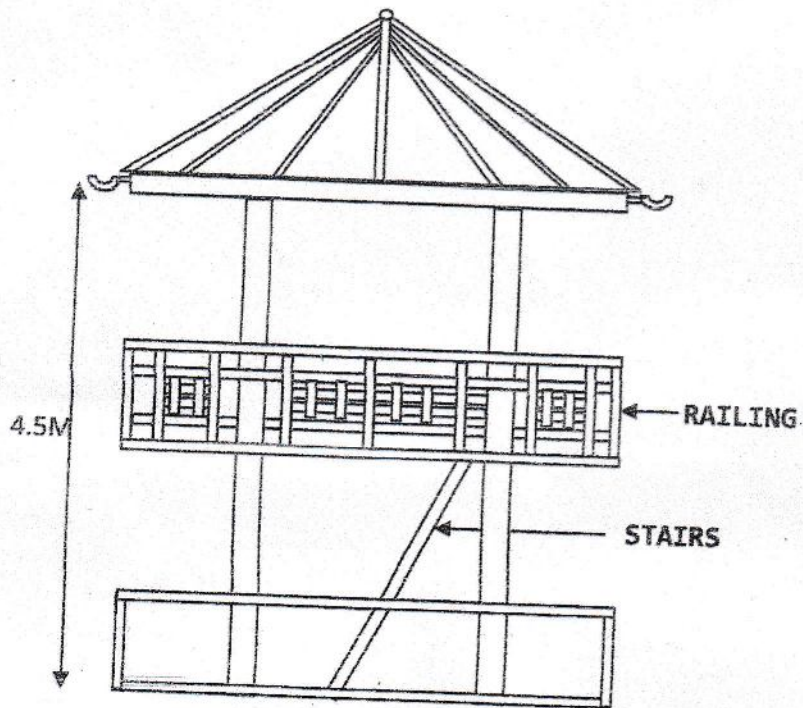
					Total	0.16	Sq.M	86764.80	MT.	13910.13
								(63918+63918*20%)^		
PWD(WB)/BUILDING WORKS/Page-81/Item-9										
14	Galvanized corrugated iron sheet work (excluding the supporting frame work) fitted and fixed with 10 mm. dia J or L hook-bolts, limpet and bitumen washers and putty complete with 150 mm. end lap and one corrugaion minimum side lap. (payment to be made on area of finished work). (GCI sheet to be supplied by contractor).									
	(i) in Roof:-									
	(b) With 0.63 mm.thick sheet.									
	roof	1	2.40	2.50		6.00	Sq.M			
	side	1	1.50	1.30		1.95	Sq.M			
					Total	7.95	Sq.M	921.70	Sq.M.	7327.53
								(679+679*20%)^		
								12%GST		
								1% LABOUR CESS		
PWD(WB)/BUILDING WORKS/Page-81/Item-10										
15	Galvanised iron sheet ridging fitted with necessary bolt, screws, washers etc complete. (225 mm end lapping).									
	(A) 300mm laping each way.									
	(b) With 0.63 mm sheet.									
		1	2.40			2.40	M			
					Total	2.40	M	541.62	Mtr.	1299.89
								(399+399*20%)^		
								12%GST		
								1% LABOUR CESS		
PWD(WB)/BUILDING WORKS/Page-82/Item-11										
16	Galvanized iron sheet eaves gutter fitted and fixed with necessary 50 mm X 6 mm.M.S.flat bar clamps bent to design, bolts. Nuts, washers etc. complete. Eaves gutter made of 0.63 mm. sheets.(300mm End lapping).									
	(a) 225 mm. wide gutter.									
		2	2.40			4.80	M			
					Total	4.80	M	473.75	Mtr.	2273.99
								(349+349*20%)^		
								12%GST		
								1% LABOUR CESS		
PWD(WB)/BUILDING WORKS/Page-138/Item-9										
17	Wooden eaves board as per design, fitted and fixed complete:In ground floor									
	(i) Plain eaves board (Local Sal)									
	(b) 25mm thick									
		2	2.40	0.15		0.72	Sq.M			
		2	2.50	0.15		0.75	Sq.M			
					Total	1.47	Sq.M	2452.89	Sq.M.	3605.75
								(1807+1807*20%)^		
								12%GST		
								1% LABOUR CESS		

fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. and cutting trenches in any soil through masoury concrete structures etc. if necessary and mending good damages including jointing with jointing materials (Spun yarn, valamoid / bitumen/M.seal etc) complete.									
(A) UPVC PIPES.									
(ii) 110mm Dia.									
	1	4.50			4.50	M			
				Total	4.50	M	354.29	Mtr.	1594.31
							(261+261*20%)^		
							12%GST		
							1% LABOUR CESS		
PWD(WB)/BUILDING WORKS/Page-163/Item-12									
19 Ceiling of commercial ply as per design fitted and fixed complete (excluding the supporting frame work but including necessary wood battens of size 40 mm x 25 mm).in ground floor.									
(ii) 6 mm. thick. (a) sal : local.									
ceiling	1	2.19	2.27		4.97	Sq.M			
				Total	4.97	Sq.M	1087.31	Sq.M.	5403.93
							(801+801*20%)^		
							12%GST		
							1% LABOUR CESS		
Cost for building works									250,007.36
Or say Grand total									250,000.00
(Rupees Two Lakhs fifty thousand only)									

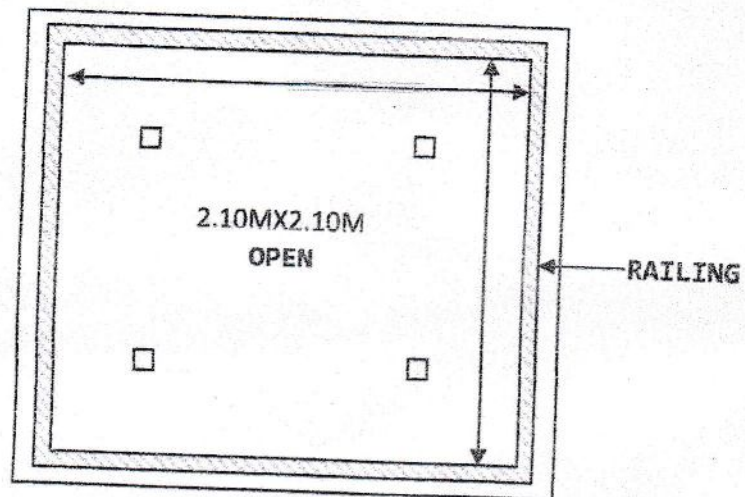
Voted for ₹ 2,50,000/-
 2 Rupees two lakh fifty thousand only

Assistant Engineer
 Darjeeling Division
 P.H.E.D, GTA

PLAN FOR CONSTRUCTION OF WATCH TOWER AT SINGALILA NATIONAL PARK



[SECTION]



[FLOOR AREA]