

कार्यालय—कमांडेन्ट—133 बटा0
के0रि0पु0बल, सेक्टर—दो, धुर्वा,
रँची, 834004, झारखण्ड



OFFICE OF THE COMMANDANT,
133 Bn, CRPF, Sector-II, Dhurwa,
Ranchi, 834004, Jharkhand

Control Room No. 0651-2960410 (co133bn@crpf.gov.in)

No. A.II- 1/2020-21-133-Q(ACALWEMS)

Dated, the 12th September, 2020

TENDER NOTICE

On behalf of the President of India, Commandant, 133 Bn, CRPF, Sector-II, Dhurwa, Ranchi-834004, Jharkhand invites sealed tenders from approved and eligible registered firms, contractors of outstanding reputation and actually dealing in the line and preferable on appropriate list of IP&T, M.E.S., CPWD, State P.W.D for various construction works given below. Quotation in sealed cover along with full details may be sent by the Registered Speed post/Courier to Commandant, 133 Bn, CRPF, Sector-II, Dhurwa, Ranchi- 834004. Envelope containing the tender/quotation should be clearly marked in red ink.

Sl No	Name of work and place	Type of works	Approved Cost	Earnest money deposit	Date of obtaining of tender documents w.e.f.	Last date of receipt of tender	Date of opening tender
1.	Barrack for Jawans Size-(16'x32'x10')+5' Varanda - 01 No. at E/133 Bn, CRPF, Chandwa, Latehar, Jharkhand	Semi Built up	6,97,091/-	13942/-	12/09/2020 1000 hrs to 22/09/2020 1700 hrs	22/09/2020, 1700 hrs	23/09/2020, 1600 hrs
2	Barrack for Guard Room size (16'x16x10')- 01 No at at E/133 Bn, CRPF, Chandwa, Latehar, Jharkhand		431041/-	8621/-			
			1128132/-	22563/-			

Time of completion of work: **Within 60 days from the date of awarding of works.**

Detailed Specifications of work: - As per appendix-"A"

PLACE OF WORKS: - Barrack for Jawans size(16'x32'x10')+5' Varanda - 01 No. and another one guard room size (16'x16x10')- 01 No at at E/133 Bn, CRPF, Chandwa, Latehar, Jharkhand

SITE SURVEY : - Tenderer may survey the site for construction at above locations wef 12/09/2020 to 22/09/2020 between 1000 hrs to 1700 hrs except on Sundays and holidays before filing of tender.

MODE OF PAYMENT: -

Payment will be made through ECS/Cheque from the fund allotted under Assistance to Central agencies for LWE Management Scheme (ACALWEMS) in following stage-

- a) **30%- After completion of 30% work of infrastructure**
 - b) **60%- After completion of 90 % (30+60=90%) work of infrastructure.**
 - c) **10%- After completion of fully construction works of infrastructure**
- b) Payment in advance or immediately on the start of the construction cannot be made.

2 Tender forms with details of works and terms and conditions can also be obtained from Office of the Commandant, 133 Bn, CRPF, Sector-II, Dhurwa, Ranchi-Jharkhand on any working day between 1000 hrs to 1700 hrs except Sunday and other holidays w.e.f. 12/09/2020 to 22/09/2020.

3 Tenderer are require to deposit earnest money 2% of the estimated cost of the work (**Rs. 22563/-**) in the form of Accounts Payee Demand Draft/Fixed Deposit Receipt/Bankers Cheque or Bank Guarantee from any of the Nationalized, Scheduled or Commercial Bank in an acceptable form drawn in the favour of Commandant, 133 Bn, CRPF, Sector-II, Dhurwa, Ranchi, Jharkhand, security in cash will not accepted.

4 Complete set of TE are available in CRPF website (<http://crpf.nic.in>). Tenderer can use the downloaded form of tender enquiry.

5 **Tenderer must enclose the amount of earnest money deposit as mention above along with application and must be accompanied with attested copy of registration certificate, PAN card & experience certificate and will also produce the original on the day of opening of tender. Applications, which do not fulfill these conditions, will be rejected.**

6 The successful Tenderer will deposit 10% security money of the total value in the form of Accounts Payee Demand Draft/Fixed Deposit Receipt/ Bankers Cheque or Bank Guarantee from any of the Nationalized, Scheduled or Commercial Bank in an acceptable form drawn in the favour of Commandant, 133 Bn, CRPF, Sector-II, Dhurwa, Ranchi, Jharkhand, security in cash will not accepted, Cash security will not be accepted.

7 The competent authority reserves the right to cancel the notice without assigning any reasons.

Sd/- 12/09/2020

Commandant-133 Bn, CRPF

For and on behalf of the President of India

II) TERMS AND CONDITIONS OF TENDER ENQUIRY. (Page-1)

1. Terms of price Rates quoted by the firms should be on firm price basis. Rates should be quoted in Indian rupees both in figures as well as in words for complete units as per specifications. Rate should be given only in BoQ format
- All the taxes payable/ applicable to the State Govt and Central Govt shall be borne by Contractor/ Firm.
2. Payment terms 2.1 Payment will be made through ECS/NEFT under ACALWEMS fund in following stage-
- a) **30%- After completion of 30% work of infrastructure**
 - b) **60% after completion of 90% (30+60=90%) work of infrastructure**
 - c) **10% After completion of fully construction works of infrastructure**
- 2.2 Payment in advance or immediately on the start of the construction can not be made.
3. Construction location 3.1 Construction location- Barrack for **Jawans size(16'x32'x10')+5' Varanda - 01 No. and another one guard room size (16'x16x10')- 01 No at at E/133 Bn, CRPF, Chandwa, Latehar, Jharkhand.**
4. Construction time Construction of the infrastructure is required to be started immediately within a period of one week/07 days after the award of work order allocation and required to be completed within 02 months (60 days).
5. Construction instruction. The Commandant- 133 Bn, CRPF, Sector-II, Dhurwa, Ranchi, Jharkhand reserves the right to cancel/scrape/increase/decrease the quantity at any time without assigning any reasons.
- No other cost will be paid to the firm for the said work.
- The area on which work is required to be carried out will be intimated after a joint survey of members from contractor and end user sides and thereafter work will be started. No work other than the work will be carried out, if so, no payment will be made to the contractor.**
- A self-certification is required to be submitted by the firm/contractor regarding use of material up to the prescribed specification and should be brand new and ISI marked wherever applicable.
- Materials to be used for the work will be deposited by the contractor in the safe custody of their own or as decided during the joint survey.
- Work Guarantee** : As per CPWD norms.
- Risk of the workers will be the contractor side.
- The contractor is responsible to maintain high level of discipline of his workers during the work in the campus.

Payment after completion of work in full and passed by the Work Committee and submission of bills along with details of bank/accounts and pre-receipt of the amount through ACALWEMS fund after deductions of TDS from the Bills of the contractor.

Work Committee will examine the work during and after the completion of work.

In case of breach of Contract, performance Security Deposit (PSD) will be forfeited.

A Copy of this Contract may be duly signed by the firm/contractor.

The time for completion of work is within 03 month from the date of award of work order.

Presently whole country is facing pandemic Corona Virus (COVID-19). Hence, ensure to take all precautionary measures religiously and follow up the guidelines issued by GOI like social distancing, Using of face Mask, hand sanitizer/hand wash frequently to protect from COVID-19 by all the workers/supervisory staff. Further, preferably workers may from the surrounding area wherein the work to be executed.

6. Details of the firm/contractor.

Only those firms should respond who are the contractor or authorized dealers of the work specified in tender specifications.

7. Earnest money deposit

All firms/contractor are required to deposit earnest money deposit of **Rs. 22563/-** for the work mentioned above along with the quotation, failing which their offers will be summarily rejected.

The earnest money can be deposited through any of the following alternative forms.

An account payee demand draft, fixed deposit receipt, banker's cheque or bank guarantee from any of the Nationalized, Scheduled or Commercial bank in any acceptable form drawn in favour of **Commandant- 133 BN , CRPF, Sector-II, Dhurwa, Ranchi, payable at SBI, Hatia Branch, Code No.00207**. Cash deposit will not be accepted.

The earnest money shall remain valid and be deposited with the user for a period of **90 days** from the date of tender opening. If the validity of the tender is extended, the validity of the BG/or any other alternate document submitted in lieu of earnest money will also be suitably extended by the tenderer, failing which their tender after the expiry of the aforesaid period shall not be considered by the user.

No interest shall be payable by the user on the earnest money deposited by the tenderer.

The earnest money deposited is liable to be forfeited if the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of his tender.

The earnest money of the successful tenderer shall be returned after the security deposit as required in terms of the contract is furnished by the tenderer.

If the successful tenderer fails to furnish the security deposit as required in the contract within the stipulated period, the earnest money shall be treated as performance security deposit for all practical purposes and will be forfeited if remaining 05% security is not deposited within stipulated time. i.e. 15 days.

Earnest money deposits of all the unsuccessful tenderers shall be returned by the user as early as possible after the expiry of bid's validity, but not later than 30 days after placement of contract. Tenderers are advised to send a pre receipt chalan along with their bids so that refund of earnest money can be made in time.

7.9. Any tender, where the tenderer is required to deposit earnest money in terms of conditions mentioned in preceding paras, not accompanied with earnest money in any one of the approved forms acceptable to the user, shall be summarily rejected.

8. Performance security deposit clause

The successful Tenderer/ Firm shall have to deposit a performance security deposit **equivalent to 05%** of the value of the contract within 15 days of the placement of work order for due performance. Failure on the part of the Tenderer/ Firm to deposit the security deposit within the stipulated time, empowers user to cancel the work order.

The performance security deposit submitted by the contractor will remain valid **at least for 90 days** beyond the date of completion of all contractual obligations of the contractor.

The performance security deposit can be deposited in any of the following alternative forms : An account payee demand draft, fixed deposit receipt, banker's cheque or bank guarantee from any of the Nationalized, Scheduled or Commercial bank in any acceptable form drawn in favour of **Commandant- 133 BN , CRPF, Sector-II, Dhurwa, Ranchi, payable at SBI, Hatia Branch, Code No.00207.**

If the supplier/contractor fails to carry out the work within the stipulated period and places and requests for extension of time, he shall submit an undertaking on Non Judicial stamp paper of Rs.10/- duly attested by the Notary public stating that the performance security deposit has already been extended for sixty days beyond the guarantee/warranty period and request may or may not be granted.

The performance security deposit shall be withheld or forfeited in full or part in case the work order is not executed satisfactorily within the stipulated period or requisite standard of the store within the guarantee period is not undertaken to the best satisfaction of the user.

Cash security deposits will not be accepted. The security deposits will be returned subject to the construction being made in full within the stipulated period of time and the infrastructure in conformity with the approved by Board of Officers. The decision of the **Commandant- 133 BN, CRPF, Sector-II, Dhurwa, Ranchi, Jharkhand shall be** final and binding in all matters pertaining to refund of the security/earnest money.

9. Method of submission of tender enquiry

9.1. Tender can be obtained from the Office of the Commandant- 133 BN, CRPF, Sector-II, Dhurwa, Ranchi, Jharkhand in any working day between 1000 hrs to 1700 hrs w.e.f. 12/09/2020 to 22/09/2020. Last date for receipt of tender is 22/09/2020 at 1700 hrs. Tender will be open on 23/09/2020 at 1600 hrs.

Complete set of TE are available in CRPF website (<http://crpf.nic.in>).

Tenderer can use the downloaded form of tender enquiry.

The covers containing the bid should be sealed in covers duly super scribed with tender enquiry number, works and date of tender opening. This sealed cover along with the EMD and other documents, should be put in a bigger cover and sealed again. This bigger cover should also be super scribed with tender enquiry number, work and date of tender opening. .

Tender will be opened on due date in the presence of contractor or the representative of authorized by the firm/contractor for further evaluation and ranking before awarding the contract.

The tender enquiries duly filled in all aspects and having completed all applicable formalities may be sent by registered post/ speed post duly stamped or by courier/by hand to the **Commandant- 133 BN, CRPF, Sector-II, Dhurwa, Ranchi, Jharkhand- 834004**, Tender Notice so as to reach on or before the scheduled time and date as mentioned in the schedule to the tender enquiry. Department is not responsible for any postal delay.

Bidder will submit following document along with Bid document i.e. copy of GST regn, PAN card, ITR last 3 years, annual turn over last 3 years, bank details/ mandate form and past performance.

10. Quality of material

Branded construction material should be used as per Govt. norms having the ISI Mark. Preparation ratio of the cement, sand, gitti etc should also be as per the standard fixed by the CPWD/PWD.

Competent authority can check construction work any time and if not satisfied from the work or feels any differentiate, lab testing of constructed work can be done from the authentic lab. If report of Lab gone against the Tenderer all right will reserve with the **Commandant- 133 BN, CRPF, Sector-II, Dhurwa, Ranchi, Jharkhand- 834004** to cancel the Tender without assigning any reasons.

Sd/- 12/09/2020

Commandant- 133 Bn CRPF

For and on behalf of the President of India

III) IMPORTANT INSTRUCTIONS

- i) Full name and status of the person signing the tender documents must be clearly mentioned.
- ii) The firms applying tenders against the subject tender enquiry are informed that all relevant details with reference to the tender enquiry stipulations are clearly responded to. In case any of the tender enquiry stipulations are not clearly stated or replied to by any of the firms, no repeat no clarifications will be sought from the concerned firm and its offer will be rejected out rightly.
- iii) Catalogues, if any, mentioning the full particulars of the sheets should be furnished with the quotation.
- iv) Important information like tender enquiry number, date of tender opening, type of works, full specifications of the works and terms and conditions etc should be provided wherever required.
- v) If the representative of the firm desires to remain present while opening of quotation, the same will be allowed.
- vi) User reserves the right to get all firms re-verified irrespective of the registration status.
- vii) User reserves the right to cancel/reject or scrap any or all the tenders at any stage without assigning any reason.
- viii) The work order will be placed only after the completion of all the Tender formalities.
- ix) Tenderer registered as per specification as per Appendix "A" stipulated in the tender enquiry and their representatives with the authenticity certificates shall be eligible for award of contract.
- x) Except as otherwise provided in the invitation to the tender, the contractor hereby declares that the work carry out under this contract shall be of the best quality and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars contained/mentioned in the contract. The contractor hereby guarantees that the said works would continue to conform to the description and quality aforesaid for a period of twelve months.
- xi) In the event of contract being cancelled for any breach committed and the user affecting construction of the infrastructure at the risk and the cost of the contractor, the user is not bound to accept the lower offer of Benami or allied or sister concern of the contractor.
- xii) User will not be paid separately for transportation, transit, insurance and the supply of the material for the construction and will be responsibility of the firm or contractor till the entire work is completed.
- xiii) Tenderers who have done past works as per T/E Specification should also submit their performance statement in enclosed Performa. In case, it is found that information furnished is incomplete or incorrect, their tender will be liable to be ignored.
- xiv) While the tenderer and the user shall make every effort to resolve any issue amicably through direct informal negotiation, in the event of any disagreement or dispute arising between them under or in connection with the contract shall be settled under the court of law within its jurisdiction at Ranchi (Jharkhand). The resultant contract will be interpreted as per the prevailing Indian laws and various directives of the Govt. of India.

Sd/- 12/09/2020

Commandant- 133 Bn. CRPF

For and on behalf of the President of India

IV. STANDARD FORMS TO BE USED

The following forms mentioned in the Appendixes – A, B, C & D are required to be submitted along with the bid.

- a) **Appendix ‘A’ - Specifications for Construction** of Semi Permanent Barrack size:- 16’X 32’x10’ +5’Varandha and Semi Permanent Guard Room size- 16’x16’x10’.
- b) **Appendix ‘B’** - Proforma of bank guarantee for submitting earnest money.
- c) **Appendix ‘C’**- Proforma of bank guarantee for furnishing performance security deposit.
- d) **Appendix ‘D’** – Performance statement of **previous years, If any**

Sd/- 12/09/2020

Commandant- 133 Bn. CRPF

For and on behalf of the President of India

SPECIFICATION OF WORKS**FOR CONSTRUCTION OF TWO BARRACKS (SEMI PERMANENT BARRACKS)
SIZE OF EACH BARRACK (16'X32'x10') +5' VARANDA**Specifications:- **FOR ONE BARRACK size (16'x32'x10')+5' Varanda**

i)	Semi permanent barrack size 16'x32'x10'	-	01 No.
ii)	Varanda 5' x 32'	-	01 No.
iii)	Plinth size 21'x 32' x 2'6''s	-	01 No.
iv)	Roof iron trush with GS sheet	-	01 No.
v)	Electric wiring by providing 02 switch board of 08 bulb, 04 fan point connectivity	-	01 set complete
vi)	Other works as per PE	-	01 works

Specifications:- **FOR ONE BARRACK Guard Room size 16'x16'x10'**

i)	Semi permanent barrack size 16'x16x10''	-	01 No.
ii)	Plinth size 16'x16'	-	01 No
v)	Roof iron trush with GS sheet	-	01 No.
v)	Electric wiring by providing 02 switch board of 04 bulb, 02 fan point connectivity	-	01 set complete
vi)	Other works as per PE	-	01 works

Sd/- 12/09/2020
(Sanjay Kumar Singh)
Commandant-133 Bn , CRPF

PROFORMA OF BANK GUARANTEE FOR SUBMITTING EARNEST MONEY

(On banks letter head with adhesive stamp)

To

**The Commandant 133 Bn, CRPF,
Sector-II, Dhurwa, Ranchi, ,
JHARKHAND-834004**

Dear Sir,

In accordance with your invitation to Tender No-----

M/s. _____ (here in after called "The tenderer") with the following Directors on their Board of Directors/Partners of the firm.

- 1. _____ 2. _____
- 3. _____ 4. _____

wish to participate in the said tender enquiry for the carry out the work to you (here in after called "The user"). Whereas a bank guarantee against Earnest Money for a sum of Rs.

_____ (in words) _____ Valid for 90 days from the date of tender opening viz. up to _____ is required to be submitted by "the tenderer" as a precondition for the participation, this bank hereby guarantees and undertakes to pay the user up to the above amount upon receipt of its first written demand, without the user having to substantiate its demand, provided that in its demand the user will note that the amount claimed by it is due to it owing to the occurrence of any one of the three conditions mentioned below, specifying the occurred condition or conditions during the above said period of 90 days without any reservation and recourse.

Signature of the tenderer

- 1. If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of its validity.
- 2. If the tenderer after submitting his tender, modifies the rates or any of the terms and conditions thereof, except with the previous written consent of the user.
- 3. If the tenderer having been notified of the acceptance of this tender by the user during _____ the period its validity and
- 4. If the tenderer fails to furnish the performance security for the due performance of the contract.
- 5. If the tenderer fails or refuses to accept and or execute the contract as provided in the general conditions of the contract.

The guarantee shall be irrevocable and shall remain valid up to 90 days from the date of opening of tender. If further extension to this guarantee is required, the same shall be extended to such period on receiving instructions from the tenderer on whose behalf this guarantee is issued and any demand in respect thereof should reach the Bank not later than the above date.

Date. _____ Signature of authorized officer of the bank _____

Place _____ Printed Name. _____

Designation _____

Name and address of the bank _____

Signature of the tenderer

Banker's Common Seal

Appendix-C

PROFORMA OF BANK GUARANTEE FOR FURNISHING PERFORMANCE SECURITY DEPOSIT

To

The President of India,

WHEREAS M/S-----(name and address of the Contractor/ Firm) (hereinafter called "the Contractor/ Firm") has undertaken, in pursuance of contract no.....dated.....to carry out the work (Mention the name of work) (description of goods and services) (hereinafter called "the contract")

AND WHEREAS it has been stipulated by you in the said contract that the Contractor/ Firm shall furnish you with a bank guarantee by a nationalized or scheduled commercial bank of good repute and record recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract:

AND WHEREAS we have agreed to give the Contractor/ Firm such a bank guarantee:

NOW THEREFORE we hereby affirm that we are the guarantors and responsible to you, on behalf of the Contractor/ Firm, up to a total of
.....(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the Contractor/ Firm to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor/ Firm before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the Contractor/ Firm shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the..... day of 2020.

(Signature of the authorized officer of the Bank)

Signature of the tenderer

Name and designation of the officer

Name and address of the Bank

Banker's common seal

PERFORMANCE STATEMENT OF PREVIOUS YEARS, IF ANY

Name of Firm:

M/S _____

1. Contract Nos. :

2. Name of work :

3. Quantity on order :

4. Value :

5. Original D.P.:

6. Area of work within original D.P.:

7. Final Ext. D.P.:

8. Last work position. :

9. Reasons for Delay in work:
(If any)

Signature of the tenderer

TENDER DOCUMENT

ESTIMATE FOR BARRACK (SEMI PERMANENT BARRACK) FOR JAWAN SIZE (16'X32'x10')+ 5' VARANDA WITH NECESSARY ELECTRICAL, PUBLIC HEALTH & SANITARY FITTING. At CHANDWA, LATEHAR, JHARKHAND.

DETAIL ESTIMATE AND ABSTRACT OF COST OF BARRACK SIZE (16'x32'x10')+5' VARANDA OF 133BN CRPF (01 No).

S N	Earth work	Qty	Unit	Rate	Amount
	Earth work				
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
	All kinds of soil	22.31	cum	181.85	4057.07
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	24.93	cum	219.65	5475.87
3	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	7.93	cum	1953.05	15487.69
	cement concrete work				
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size) .	3.54	cum	5789.6	20495.18
	R c c work				
5	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).				
	:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size)	4.46	cum	9763.8	43546.55
	form work				
6	Centering and shuttering including strutting, propping etc. and removal of form for :				
	Foundations, footings, bases of columns, etc. for mass concrete	6.41	sqm	284.85	1825.89
	Lintels, beams, plinth beams, girders, bressumers and cantilevers	83.5	sqm	552.05	46096.18
7	STEEL RE ENFORCEMENT				
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	520	Kg	83.5	43420.00
	BRICK WORK				
8	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	9.26	cum	6157.45	57017.99
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				

	Cement mortar 1:6 (1 cement : 6 coarse sand)	16.5	cum	7590.45	125242.43
	FLOORING				
10	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
	40 mm thick with 20 mm nominal size stone aggregate	65.42	sqm	498.35	32602.06
	STEEL WORK				
11	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
	Hot finished welded type tubes kg	450	kg	143.45	64552.50
	Roofing				
12	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.				
	0.63 mm thick with zinc coating not less than 275 gm/ m ²	89.16	sqm	915	81581.40
13	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete.				
	0.63 mm thick with zinc coating not less than 275 gm/m ²	11	mtr	710.15	7811.65
	Finishing				
14	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	188	sqm	254.25	47799.00
15	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete , as per manufacturer's specification.				
	Two or more coats on new work	90	sqm	87.15	7843.50
16	Finishing walls with Acrylic Smooth exterior paint of required shade :				
	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	110	sqm	164.7	18117.00
	DOOR AND WINDOW				
17	providing and fixing doors with frames and all accessories (size 3.5' x 7')	2	job	8500	17000.00
18	providing and fixing windows with grills ,frames and necessary accessories (size 4' x4')	4	job	6000	24000.00
	Total (civil work)				663971.95
19	FOR Electric Wiring	1	job		12000.00
	Total				675971.95
	Add cost index @3.39 %				21118.75
	G Total				697090.70
	Estatemeted Cost :-				697091.00

ESTIMATE FOR BARRACK (SEMI PERMANENT BARRACK) FOR JAWAN SIZE (16'X16'x10") WITH NECESSARY ELECTRICAL, PUBLIC HEALTH & SANITARY FITTING. At CHANDWA, LATEHAR, JHARKHAND .

DETAIL ESTIMATE AND ABSTRACT OF COST OF BARRACK SIZE 16' x 16'x10' OF 133BN CRPF (01 No)

Sl No	Earth Work	Qty	Unit	Rate	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
	All kinds of soil	15.55	Cum	181.85	2827.77
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 m and lift up to 1.5m	11.46	cum	219.65	2517.19
3	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete	4.1	Cum	1953.05	8007.51
	Cement concrete work				
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering- all work up to plinth level :				
	1:4:8 (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	4.54	Cum	5789.6	26284.78
	RCC work				
5	Reinforced cement concrete work in beams, suspended floors, roofs having slop up to 15" landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20mm nominal size)				
	:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20mm nominal size)	2.22	Cum	9763.8	21675.64
	Form work				
	Centering and shuttering including strutting, propping etc and removal of form for :				
	Foundations, footings, bases of columns, etc for mass concrete	4.28	Sqm	284.85	1219.16
	Lintels, beams, plinth beams, girders, bressumers and cantilevers	35.67	Sqm	552.05	19691.62
7	Steel Reinforcement				
	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete above plinth level				

	Thermo-Mechanically Treated bars of grade Fe-500D or more	307	Kg	83.5	25634.50
	Brick Work				
8	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth in :				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	6.18	cum	6157.45	38053.04
9	Brick work with common burnt clay f.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
	Cement mortar 1:6 (1 cement : 6 coarse sand)	11.3	cum	7590.45	85772.09
	Flooring				
10	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete				
	40 mm thick with 20mm nominal size stone aggregate	65.42	Sqm	498.35	32602.06
	Steel Work				
11	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc. including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc, complete.				
	Hot finished welded type tubes	270	Kgs	143.45	38731.50
	Roofing				
12	Providing corrugated G.S Sheet roofing including vertical / curved surface fixed with polymer coated J ro L hooks, bolts and nuts 8 mm diameter with bitumen and G.I limpet washers or with g. I limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal / vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.				
	0.63 mm thick with zinc coating not less than 275 gm/m ²	43	Sqm	915	39345.00
13	Providing ridges or hips of width 60 cm overall width plain G.S sheet fixed with polymer coated J ro L hooks, bolts and nuts 8mm dia G.I limpet and bitumen washers complete.				
	0.63 mm thick with zinc coating not less than 275 gm/m ²	5	Mtr	710.15	3550.75
	Finishing				
14	12 mm cement plaster of mix :				
	1.6 (1 cement : 6 fine sand)	133	Sqm	254.25	33815.25
15	Distempering with 1 st quality acrylic distemper				

	(ready mixed) having VOC content less than 50 mgs/liter, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.				
	Two or more coats on new work	60	Sqm	87.15	5229.00
16	Finishing walls with Acrylic smooth exterior paint of required shade :				
	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	73.61	Sqm	164.7	12123.57
	Door and window				
17	Providing and fixing doors with frames and all accessories (size- 3.5' x 7')	1	Job	8500	8500.00
18	Providing and fixing windows with grills, frames and necessary accessories (size 4' x 4')	2	Job	6000	12000.00
		Total (Civil work)			417580.41
		Add cost index @ 3.39%			13461.03
		G/Total :-			431041.44
		Estatemeted Cost :-			431041.00
	(Rupees four lakh thirty one thousand forty one) only				

Schedule of rate

Rate quoted by Contractor _____ / % excess/less over/equivalent estimated cost.

Signature of Tenderer
With full details and contact No.