

**BID DOCUMENT
FOR
RENOVATION OF 05 Nos. TOILETS, PUMP
HOUSE AND ROOF TERRACE REPAIR
WORK AT HOTEL CHANDIGARH
BECKONS SECTOR-42, CHANDIGARH
(COMPOSITE WORK)**

Date of release / Publishing of tender _____/2023



Last Date of
Submission of document : _____, 2023

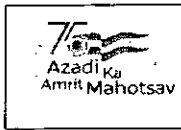
Website: <http://etenders.chd.nic.in/nicgp>

Tel: 0172-25111121

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**CHANDIGARH
HOUSING BOARD**
A CHANDIGARH ADMINISTRATION UNDERTAKING

Renovation of 05 Nos. Toilets, Pump
House and Roof Terrace repair work
at Hotel Chandigarh Beckons Sector-
42, Chandigarh (Composite work)



PART-I

✓
EE-IV

EE-VI(PH)

EE-V (Elect.)

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**CHANDIGARH HOUSING BOARD
TENDER NOTICE
Notice Inviting e-Tenders**

Executive Engineer-IV on behalf of the Chairman, Chandigarh Housing Board invites Percentage Rate Tenders through e-Procurement process from the enlisted Agencies/Firms/Contractors/Tenderer having valid enlistment certificate issued by any one of the specified departments i.e. UT Engineering Department/ Municipal Corporation Chandigarh / CPWD / MES / Punjab PWD / Haryana PWD / Himachal PWD/other State Govt. Departments, Boards / Corporations and PSUs for the work of **“Renovation of 05 nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)”**.

Estimated Cost:- Rs.39,92,532/- (Composite work of Civil work, PH and Elect. Components), (i.e. Rs.29,17,180/- for Civil work, Rs. 9,12,760/- for PH work & Rs.1,62,592/- for Electrical work) Earnest Money:- Rs.80,000/--, Period of Completion:- 90 Days, Last date of submission of bid online is ___/___/2023, Date of opening bid is ___/___/2023.

For detail Milestone dates of Electronic Tendering are given at the website <http://etenders.chd.nic.in/nicgep>. Tel: 0172-25111121

Detail Regarding Tendering Process

Name of work	Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)	
Estimated cost	Total Composite Cost: Rs.39,92,532/- 1. Major component Rs. 29,17,180/- (Civil Work) 2. Minor Component PH Component - Rs. 9,12,760/- Electrical Component- Rs.1,62,592/-	
Period of completion	90 Days	
Name of the Employer	Chandigarh Housing Board	
Adress of the Employer	8 Jan Marg, Sector 9 D Chandigarh	
Mode	E-Tendering	
Website	https://etenders.chd.nic.in/nicgep/app	
Integrity Pact duly filled, signed & stamped	The bidder must upload the copy of Integrity Pact duly filled, signed & stamped in the presence of witness along with other bid documents on the web site.	
Milestone Dates		
Downloading of e-tender document	Start date:	/ / 2023 at 1000 Hrs.
	End date:	/ / 2023 upto 1700 Hrs.
Clarification regarding plans specifications schedule of quantities & set of terms	Start date:	/ / 2023 at 1000 Hrs.
	End date:	/ / 2023 upto 1700 Hrs.
Date of submission of e-tender	Start date:	/ / 2023 at 1000 Hrs.
	End date:	/ / 2023 upto 1700 Hrs.
Opening of technical bid (Online)	/ / 2023 upto 1130 Hrs.	
Opening of price bid (Online)	To be intimated separately to all qualified bidders	
Bid validity period	75 Days	
Earnest Money Deposit	The EMD required for placing the e-bid shall be Rs.80,000/-	

	<p>to be submitted on line through e-tendering portal i.e. https://etenders.chd.nic.in.</p> <p>Bidder can submit their bid only after depositing EMD online.</p> <p>The payment may be deposited by bank-to-bank transfer using SBI MOPS or RTGS/NEFT transfer through https://etenders.chd.nic.in portal</p> <p>The amount of EMD is refundable and adjustable.</p> <p>The EMD shall be refunded online to the bidder account in case of all unsuccessful e-bids, provided it is not forfeited.</p> <p>The bidder must upload the copy of UTR No/ Transaction slip on the web site.</p>
Performance Security	<p>The contractor, whose bid is accepted, will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in Schedule F and within the period specified in Schedule F. This guarantee shall be in form of Insurance Surety, Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period specified in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.</p>

LIST OF DOCUMENT TO BE UPLOADED BY THE BIDDERS

1.	Fee	
	i)	EMD
2.	Post Qualification /Technical	
	i.	Check List
	ii.	Integrity Pact Annexure-IV duly filled signed & stamped in the presence of a witness.
	iii.	Form 'A' Letter of Transmittal as per attached proforma in Section-II.
	iv.	Valid Enlistment certificate.
	v.	Form 'B' Similar works during the last seven years
	vi.	Form 'C' Performance Report of works given in Form 'B'.
	vii.	TDS Certificate of works given in Form 'B'.
	viii.	Income tax returns
	ix.	Affidavit as per Annexure-I regarding no criminal proceedings and confirmation that eligible similar works have not been got executed on back to back basis
	x.	Certified copy of the power of attorney by the applicant in case of Non Consortium member as per Annexure-II
	xi.	Certificate of Registration under GST
	xii.	Copy of PAN
	xiii.	Certificate of registration with EPFO, ESIC and labour license.
	xiv.	Any other document as specified in the bid document.
3.	Finance	
	i.	Financial Bid

NOTE: - Hard copies of the documents listed above except Financial Bid shall be submitted by the lowest bidder to the Executive Engineer-IV, (CHB).

'CHECK LIST TO ACCOMPANY THE 'ELIGIBILITY DOCUMENTS'

S. No.	Description	Remarks
1.	Whether the Earnest Money as per the Tender Notice has been deposited by bank-to-bank transfer?	Yes / No
2.	Whether the Integrity Pact duly filled, signed & stamped in the presence of a witness has been uploaded?	Yes / No
3.	Whether valid Enlistment certificate issued by any one of the specified departments as per Tender Notice has been uploaded?	Yes / No
4.	Whether definite proof from appropriate authority of having satisfactorily completed similar works during the last seven years ending last day of the month previous to the one in which tender is invited has been uploaded?	Yes / No
5.	Whether the Form 'A' Letter of Transmittal as per attached proforma in Section-II has been uploaded?	Yes / No
6.	Whether the Form 'B' – Details of similar works completed during last 7 years has been uploaded?	Yes / No
7.	Whether the Form 'C' – Performance Report of works referred to in Form-B has been uploaded?	Yes / No
8.	Whether the Affidavit as per Annexure-I have been uploaded?	Yes / No
9.	Whether the Power of Attorney as per Annexure-II has been uploaded?	Yes / No
10.	Whether the balance sheets duly audited/verified by the CA and profit/loss statement during the last three years ending 31st March of the previous year duly signed by the CA. has been uploaded?	Yes / No
11.	Whether any additional condition in tender has been quoted?	Yes / No
12.	Whether the Scanned copies of self attested documents related to E.M.D. & other eligibility document has been uploaded along with the Bid?	Yes / No
13.	Whether all the statements, documents, certificates, uploaded owning responsibility for their correctness/ authenticity have been signed?	Yes / No
14.	Whether the Copy of Certificate of Registration under GST or Undertaking as per Notice Inviting Tender has been uploaded?	Yes/ No
15.	Whether the Copy of PAN has been uploaded?	Yes / No
16.	Whether the Certificate of registration with EPFO and ESIC has been uploaded?	Yes / No

DECLARATION

1. I/We _____ have carefully gone through all the conditions mentioned in the Bid Document and solemnly declare and affirm that I/we will abide by any penal action of CHB for disqualification or of black listing or determination of contract or any other action as deemed fit, taken by, the Department against me/us, in the event of any of the contents of our this application, the statements, documents, and certificates produced by me/us have been found/declared to be false/fabricated without any liability on CHB.
2. I/We hereby further declare that the Tender has been completed and submitted by us in the manner prescribed in the document and consider myself/ourselves eligible and in possession of all the documents required.
3. I/We hereby also declare that, I/We have not been blacklisted/ debarred/ Suspended/ demoted by any department of, Chandigarh Administration or in of any state/Union Territory of the Republic of India for any reasons what so ever.

Date

Signature of the Bidder.(s)
(Full name in capitals)
Designation

AG

**CHANDIGARH HOUSING BOARD
NOTICE INVITING TENDER**

1. Executive Engineer-IV on behalf of the Chairman, Chandigarh Housing Board invites Percentage Rate Tenders through e-Procurement process from the enlisted Agencies/Firms/Contractors/Tenderer having valid enlistment certificate issued by any one of the specified departments i.e. UT Engineering Department/ Municipal Corporation Chandigarh / CPWD / MES / Punjab PWD / Haryana PWD / Himachal PWD/other State Govt. Departments, Boards / Corporations and PSUs for the following work:-					
Name of work and location.	Estimated cost put to Bid (in Lakh)	Earnest Money	Period of completion	Last date & time of submission of Bid, copy of receipt of deposition of original EMD & other documents as specified in the NIT	Time & date of opening of Technical Bid.
Renovation of 05 nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)	Rs.39,92,532/- (Civil work, - Rs.29,17,180/- PH work - Rs. 9,12,760/- Electrical work Rs.1,62,592/-)	Rs.80,000/--	90 Days	/ /2023	/ /2023
*Website for detail of Milestones dates of Electronic Tendering please refer http://etenders.chd.nic.in/nicgep					

- 1.1. Applicants who fulfill the following requirements shall only be eligible to apply.
- Should have valid Enlistment certificate issued by any one of the above specified departments on the last date of submission of the Bids
 - Should have satisfactorily completed during the last seven years ending last day of the month previous to the one in which tender is invited
- 1.2. Three similar works each costing not less than Rs.15.98 Lakh or two similar works each of costing not less than Rs.23.96 Lakh or one similar work of costing not less than Rs.31.95 Lakh

Similar work shall mean "Building/Civil Work"

Components of work executed other than those included in definition of similar work shall be deducted while calculating cost of similar work. Bidder shall submit abstract of cost of work in support of this.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to the last date of submission of bid.

a. ~~At the time of submission of bid, contractor uploads Income tax returns and balance sheets duly audited/verified by the Chartered Accountant & Profit/Loss statement during the last three years ending 31st March of the previous year duly signed by the CA.~~

b. Firm(s)/Contractors against whom any criminal proceedings are pending in any court of law relating to any project executed by the firm, shall not be considered for post-qualification.

To become eligible, for e- tendering, the tenderer shall have to furnish an affidavit as per Annexure-I.

c. GST registration Certificate, if already obtained by the bidder.

If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with other bid documents.

"If work is awarded to me, I/we shall obtain GST registration Certificate as applicable within one month from the date of receipt of award letter or before release of any payment by CHB, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CHB or GST department in this regard".

Note: All the documents shall be duly attested & counter signed by the Bidders.

- Agreement shall be drawn with the successful Tenderer on the prescribed Format of CPWD Form 7/8, which is available for sale in the market. Tenderers shall quote their rates as per various terms and conditions of the said form which will form part of the agreement. However the definitions contained therein with regard to CPWD Department and other designated authorities may be read as under:-

As per General Conditions of Contract for Central P.W.D Works	To be read as
CPWD	CHB
President of India	Chairman, CHB
Govt. of India	Chandigarh Housing Board
Director General	Chairman, CHB
Additional Director General	Chief Executive Officer, CHB
Department	Chandigarh Housing Board

2. In this document the following words and expressions have the meaning hereby assigned to them:

EMPLOYER means the Chairman, Chandigarh Housing Board, acting through the Executive Engineer.

BIDDER/TENDERER/FIRM/ AGENCY/CONTRACTOR/APPLICANT means the individual, proprietary firm, firm in partnership, limited company private or public or corporation or Joint Venture Company.

“Year” means “Financial Year” unless stated otherwise.

CHB/ Board means “Chandigarh Housing Board”

3. The time allowed for carrying out the work will be 90 Days from the date of start as defined in Schedule ‘F’ of Financial Bid in Part-III of this document or from the first day of handing over of the site, whichever is later in accordance with the phasing, if any, indicated in the Tender Document.

4. (i) The Site for the work is available.

The architectural and structural drawings & other necessary documents, can be seen in the office of the Executive Engineer-IV during submission of the Bid period on everyday except on Saturdays, Sundays and Public Holidays.

5. Earnest money amount will have to be deposited as mentioned in Detail Regarding Tendering Process in shape as prescribed.

6. Downloading and submission of Tender including Financial Bid will be done by e-Procurement process through the Chandigarh Administration web site: <http://etenders.chd.nic.in/nicgep>.

The agency shall upload Scanned copy of documents (duly attested and counter signed by agency) related to “Earnest Money Deposit” and ‘Eligibility Documents’. However, certified copy of all the scanned and uploaded documents as specified in e-tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority.

7. The bid submitted shall become invalid if:

- The bidder is found ineligible.
- The bidder does not upload scanned copies of all the documents stipulated in the bid document.
- If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
- If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section/ sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
- Before proceeding further with the e- Procurement process, Earnest Money shall be opened first and ‘Eligibility Document’ of those agencies whose Earnest Money found in order shall be opened in the office of EE-IV, CHB by the committee.

- i. The department reserves the right to reject any or all the prospective applications without assigning any reason and/or to restrict the list of qualified contractors to any number as deemed suitable by it, if too many bids satisfying the laid down criteria have been received.
8. The contractor, whose tender has been accepted, will be required to furnish 'Performance Guarantee' as mentioned in Detail Regarding Tendering Process. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.

The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW (Building & Other Construction Workers) Welfare Board and Programme chart (Time and Progress) within the period specified in Schedule F.

9. The description of the work is as follows:

Renovation of 05 nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work).

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

10. The competent authority on behalf of the Chairman, CHB does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without assigning any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, the same shall be summarily rejected.
11. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
12. The competent authority on behalf of the Chairman, Chandigarh Housing Board reserves with himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
13. The contractor shall not be permitted to bid for works in the CHB Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in

any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the CHB. Any breach of this condition by the contractor would render him liable to be debarred in participating tender in CHB.

14. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Chairman, CHB in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Chairman, CHB as aforesaid before submission of the bid or engagement in the contractor's service.
15. The tenders for the work shall remain open for acceptance for a period of 75 days from the last date of receipt of technical bid.
 - i. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the CHB shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - ii. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the CHB shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - iii. In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
16. This 'Bid Document' shall form a part of the contract document. The successful tenderer/Bidder/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:
 - a. The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as up loaded at the time of invitation of tender and the rates quoted on line at the time of submission of the Bid and acceptance thereof together with any correspondence leading there to.
 - b. General condition of contract for Central PWD works 2020, tender form of CPWD 7/8 as amended from time to time issued up to the last date of receipt of tender or other Standard C.P.W.D. Form as applicable.
17. **For Composite Tenders:**
 - a. The Executive Engineer- in- charge of the major component of the work will call tenders for the composite work. The cost of tender document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite tender.
 - b. The Bid document includes following three components:

Part A:- CPWD form-6, CPWD form-7/8 including schedule A to F for major component of the work, standard General Conditions of Contract for CPWD 2020 as amended/ modified up to the last date of receipt of tender.

Part B:- General/specific conditions, specifications and schedule of quantities applicable to major component of the work.

Part C:- Schedule A to F for minor component of the work (competent authority under clause 2 and clause 5 shall be same authority as mentioned in schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

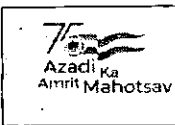
- c. The bidders must associate himself, with agencies as per NIT conditions.
- d. The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work. It will be obligatory on the part of the tenderer to sign the tender document for all the components (The schedule of quantities, conditions and special conditions etc.).
- e. After acceptance of the tender by the competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the Chairman, CHB. After the work is awarded, the main contractor will have to enter into one agreement with EE In charge of the Major component and has also to sign two/or more copies of the agreement depending upon number of EE's in charge of minor components. One such signed set of agreement shall be handed over to EEs in charge of minor components. EE of major component will operate **Part A** and **Part B** of the agreement. EEs in charge of minor components shall operate **Part C** along with **Part A** of the agreement.
- f. The work in General shall be carried out as per CPWD Specifications & MORTH and other systems and procedures being followed in CPWD with respect to the provisions contained in DSR and CPWD Manuals etc.
- g. Entire work under the scope of composite tender including major and all minor components shall be executed under one agreement.
- h. Security deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works by the respective EE's.
- i. The main contractor has to associate agencies for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-Charge of relevant component(s) within two months of the commencement letter. Name of the agency(s) to be associated shall be approved by Engineer-in-Charge of relevant component(s).
- j. In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-Charge of relevant specialized component(s). The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-Charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
- k. The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE/ DDH in charge of each relevant

- component as well as to EE-in-charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.
- l. Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the EE-in-charge of the discipline of minor components directly to the main contractor. The CMB shall be maintained independently by Engineer-in-Charge of major and minor components.
 - m. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-Charge of major component after record of completion certificate of all other components.
 - n. Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of the minor components will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.
18. The intending bidders are required to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/ uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone No.01722511100-164 e-mail Id: navneetsharmachb@gmail.com). The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.
19. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online, then the bid submitted shall become invalid and the CHB shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the re-tendering process of the work.
20. The tenderer is liable to be blacklisted as per policy of Chandigarh Administration 2009 and the EMD will be forfeited if he has been found to have misled or has furnished false information in the forms / statements / certificates/online information submitted by him as proof in support of qualification requirements or record of performance such as abandoning of work not properly completed in earlier contracts and inordinate delays in completion of the present work etc. etc. Further, if this contract has been awarded, the same shall be rescinded including forfeiture of EMD and Performance Guarantee.
21. While execution of the work, if found that the contractor had produced false/ fake certificates of experience he will be black listed and the contract will be terminated
22. All disputes concerning in any way with this work are subject to Chandigarh jurisdiction only.
23. Before the last date for submission of Tenders, the Tender Inviting Officer may modify any of the Contents of the Tender Notice, Tender documents by issuing amendment / Addendum.
24. Any addendum/amendments issued by the Tender Inviting Officer shall be part of the Tender Document.

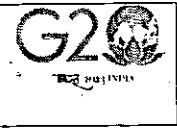
25. To give prospective Tenderer reasonable time to take an addendum into account in preparing their bids, the Tender Inviting Officer may extend if necessary, the last date for submission of tenders.
26. The Executive Engineer will evaluate whether each Tenderer is satisfying the eligibility criteria prescribed in the tender document and declares them as a qualified Tenderer and selected for next stage of opening of Price Bid.
27. If the technical bid of a Bidder is not satisfying any of the eligibility criteria it will be rejected by the Executive Engineer.
28. If any alteration is made by the Bidder in the Bid documents, the conditions of the contract, the drawings, specifications or statements / formats or quantities the tender will be rejected.
29. The Executive Engineer will evaluate and compare the price bids of all the qualified Tenderer.
30. The Bidder is advised to attach any additional information, which he thinks to be necessary in regard to his capabilities. No further information will be entertained after submission of application unless it is called for by the Board. The Board reserves the right to call for additional information & clarification of information submitted by the Tenderer.
31. The cost incurred by the Bidder in preparing this application, in providing clarifications or attending discussions/ conferences in connection with this document shall be borne by the Tenderer and the Board in no case will be responsible or liable for these costs, regardless of the conduct or out come of the process.
32. The CHB reserves the right to accept or reject any Bid and to annul the post-qualification process and reject all Bids at any time, without assigning any reason or incurring any liability to the Bidders.

PART-II

**DOCUMENT RELATED
TO
ELIGIBILITY CRITERIA
AND
OTHER RELATED DOCUMENTS**



Renovation of 05 Nos: Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



SECTION - I

Forms and Annexure

Handwritten initials

Form-

A

LETTER OF TRANSMITTAL

From:

To

Executive Engineer-IV
Chandigarh Housing Board,
Chandigarh.

Sub: Submission of Bid for the work Renovation of 05 nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work).

Sir/Madam

Having examined the details given in the bid document for the above work, I/we hereby submit the relevant information.

1. I/ we hereby certify that all the statements made and information supplied in the enclosed Forms B to C and accompanying statement are true and correct.
2. I/ we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I / We submit the Following certificates in support of our suitability, technical know how and capability for having successfully completed the following eligible similar works:-

Sr. No.	Name of work/Project and location	Certificate from
1		
2		
3		

Certificate:-

It is certified that the information given in the enclosed eligibility bids are correct. It is also certified that I/we shall be liable to be debarred, disqualified/ cancellation of enlistment in case of any information furnished by me /us found to be incorrect.

Enclosures:

Seal of bidder

Date of submission

SIGNATURE(S) OF BIDDER(S)

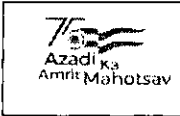
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Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



FORM 'B'

DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DATE OF SUBMISSION OF BID.

S. No.	Name of work / project and location	Owner or sponsoring organisation	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation / arbitration cases pending / in progress with details*	Name and address/ telephone number of officer to whom reference may be made
1	2	3	4	5	6	7	8.	9

*Indicate gross amount claimed and amount awarded by the Arbitrator. For details attached separate sheet.

SIGNATURE OF BIDDER(S)

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FORM 'C'

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORM "B"

1.	Name of work/Project & Location	
2.	Agreement No.	
3.	Estimated Cost	
4.	Tendered Cost i. Allotted Amount ii. Actual completed cost	
5.	Date of Start	
6.	Date of completion	
(i)	Stipulated date of completion	
(ii)	Actual date of completion.	
7.	a) Whether case of levy of compensation for delayed has been decided or not. b) if decided, amount of compensation levied for delayed completion if any.	
8.	Performance Report	
	1) Quality of Work	Outstanding/Very Good/ Good / Poor
	2) Financial soundness	Outstanding/Very Good/ Good / Poor
	3) Technical Proficiency	Outstanding/Very Good/ Good / Poor
	4) Resourcefulness	Outstanding/Very Good/ Good / Poor
	5) General behavior	Outstanding/Very Good/ Good / Poor

Certified that M/s has completed the above work as per
details mentioned above.

Dated:

Executive Engineer or Equivalent

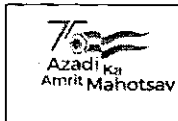
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Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



ANNEXURE-I

SPECIMEN PROFORMA FOR THE AFFIDAVIT TO BE SUBMITTED BY THE APPLICANT ALONGWITH OTHER DOCUMENTS.

(On Judicial Stamp paper duly attested by Ist class Magistrate or Notary Public)

I, _____ S/o Sh. _____ authorized representative of _____ with its office at _____ solemnly affirm and declare as under on behalf of the firm:-

1. I/We in the name and style of **'Renovation of 05 nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)'**
2. The undersigned hereby certify that there are no criminal proceedings pending/ongoing in any court of law regarding any construction project executed by me/us.
3. The undersigned hereby certify that all the documents and information submitted with the tender/Bid are 'True' & I/We stands fully responsible as per law for their genuineness and correctness.
4. I/we undertake and confirm that the eligible similar works has/have not been got executed through another contractor on back to back basis. Further that if such a violation comes to the notice of the department then I/we shall be debarred for tendering in CHB in future forever. Also if, such a violation comes to the notice of the department before the date of start of work then the CHB shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee deposited.

Place: _____
Dated: _____

Authorized Signatory of
firm/Deponent

VERIFICATION:

I the above named signatory/deponent do hereby solemnly affirm & declare that the contents of this affidavit are true to the best of my knowledge & nothing has been concealed therein.

Place: _____
Dated: _____

Authorized Signatory of
firm/Deponent

AG

ANNEXURE-II

FORMAT FOR POWER OF ATTORNEY- by all individual Applicants

(on judicial Stamp paper duly attested by First Class Magistrate/Notary)

Dated: _____

To whomsoever it may Concern

Know all men by these presents, we _____ (name and registered office address of the Applicant) do hereby constitute, appoint and authorize Mr. _____ (Name of the Person(s)), domiciled at _____ (Address), acting as _____ (Designation and the name of the firm), as Authorized Signatory and whose signature is attested below, as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our request for prequalification work of _____, including signing and submission of all documents and providing information and responses to clarifications/enquiries etc. as may be required by CHB and signing of agreement if awarded the said work.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

For _____

(Signature)

(Name, Title and Address)

Accept

(Attested signature of Mr. _____)

(Name, Title and Address of the Attorney) _____

Notes:

To be executed by the Applicant

The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.

Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a resolution / power of attorney in favor of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the executant(s)

ANNEXURE-III

On non-judicial stamp paper of minimum Rs.100/-

(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

**Form of Bank Guarantee for Earnest Money Deposit /Performance Guarantee/Security
Deposit/Mobilization Advance**

1. Whereas the Executive Engineer _____ (name of division), on behalf of the Chairman, CHB (hereinafter called "The Government") has invited bids under _____ (NIT number) _____ dated _____ for _____ (name of work). The Government has further agreed to accept irrevocable Bank Guarantee for Rs. _____ /- (Rupees _____ only) valid up to _____ (date)* _____ as **Earnest Money Deposit** from _____ (name and address of contractor) _____ (hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

Whereas the Executive Engineer _____ (name of division) CHB, Chandigarh on behalf of the Chairman, CHB (hereinafter called "The Government") has entered into an agreement bearing number _____ with _____ (name and address of the contractor) _____ (hereinafter called "the Contractor") for execution of work _____ (name of work) _____. The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. _____ /- (Rupees _____ only) valid up to _____ (date)* _____ as **Performance Guarantee/Security Deposit/Mobilization Advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

2. We, _____ (indicate the name of the bank) _____ (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. _____ /- (Rupees _____ only) on demand by the Government within 10 days of the demand.
3. We, _____ (indicate the name of the Bank) _____ do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ /- (Rupees _____ only).
4. We, _____ (indicate the name of the Bank) _____, further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the contractor shall have no claim against us for making such payment.
5. We, _____ (indicate the name of the Bank) _____ further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by



Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



reason of any such variation or extension being granted to the said contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We, _____ (indicate the name of the Bank) _____ further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8. We, _____ (indicate the name of the Bank) _____, undertake not to revoke this guarantee except with the consent of the Government in writing.
9. This Bank Guarantee shall be valid up to _____, unless extended on demand by the Government. Notwithstanding anything mentioned above. Our liability against this guarantee is restricted to Rs. _____/- (Rupees _____ only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date _____

Witnesses:

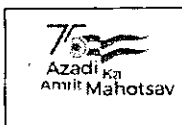
1. Signature _____
Name and address _____

Authorized signatory
Name
Designation
Staff code no.
Bank seal

2. Signature _____
Name and address _____

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

** In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/Security deposit/mobilization advance, as the case may be.



Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



ANNEXURE-IV

To be signed by the bidder and same signatory competent/ authorised to sign the relevant contract on behalf of CHB.

INTEGRITY PACT

(Integrity Pact is applicable for all works of estimated cost put to the tender equal to or more than the threshold value given in Schedule-F)

This Integrity Agreement is made at..... on this day of..... 20.....

BETWEEN

Chairman, Chandigarh Housing Board represented by the Engineer-in-Charge (hereinafter referred to as the Principal, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assignees)

AND

_____ (Name and address of the bidder)

(Hereinafter referred to as the Bidder/Contractor and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assignees)

Preamble

WHEREAS the Principal has floated the tender (NIT No.) (hereinafter referred to as Tender) and intends to award, under laid down organizational procedure; contract for (Name of work) **“Renovation of 05 nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)”** hereinafter referred to as the “Contract” AND WHEREAS the Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as Integrity Pact), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

~~In order to achieve these goals, the Principal will appoint Independent External Monitor (IEMs) who will monitor the tender process and the execution of the contract for compliance with the principles mentioned hereunder~~

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this integrity Pact witnesses as under:

Articles

Article 1: Commitment of the Principal

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract,

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demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

- (b) The Principal will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal will, in particular, before and during the Tender process, provide to a Bidder(s) the same information and we not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
 - (c) The Principal shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/ Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
2. The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
 - (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - (b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - (c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly

Bidder(s)/Contractor(s) of Indian nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/ parallel tender for the same item.

- (e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- (f) ~~Bidder(s) / Contractor(s) who have signed the Integrity Pact shall not approach the courts while representing the matter to IEMs and shall wait for their decision in the matter.~~
3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice, willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use coercive practices (which shall include the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property) to influence their participation in the tendering process.

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal under law or the contract or its established policies and laid down procedures, the Principal shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal absolute right:

1. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal. Such exclusion may be forever or for a limited period as decided by the Principal.
2. Forfeiture of Earnest Money Deposit Performance Guarantee/Security Deposit: If the Principal has disqualified the Bidder(s) from the Tender process prior to the award of the contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal apart from

exercising any legal rights that may have accrued to the Principal, may in its considered opinion forfeit the entire amount of Earnest Money Deposit Performance Guarantee and Security Deposit of the Bidder/Contractor.

3. **Criminal Liability:** If the Principal obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of PC Act, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

1. The Bidder declares that no previous transgressions occurred in the last 3 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal.
3. If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement by any of its Subcontractors/sub-vendors.
2. The Principal will enter into pacts on identical terms as this one with all Bidders and Contractors.
3. **The Principal will disqualify Bidders who do not submit the duly signed Integrity Pact between the Principal and the Bidder along with the Tender or violate its provisions at any stage of the Tender process.**

Article 6- Duration of the Pact

This Integrity Pact begins when both the parties have legally signed it. It expires for the Contractor 12 months after the completion of work under the contract or expiry of defect liability period or last payment made under the contract, whichever is later and for all other bidders, 6 months after the Contract has been awarded.

If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this Integrity Pact as specified above, unless it is discharged/determined by the ADG/SDG, CPWD concerned.

Article 7- Other Provisions

1. This Integrity Pact is subject to Indian Law, place of performance and jurisdiction is the Head quarters of the Division of the Principal, who has floated the tender.
2. Changes and supplements as well as termination notice need to be made in writing.

3. If the Contractor is a partnership or a consortium, this Integrity Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Integrity Pact must be signed by a representative duly authorized by board resolution.
4. Should one of several provisions of this Integrity Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- ~~5. Issues like Warranty/Guarantee etc. shall be outside the purview of IEMs.~~
6. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Pact, any action taken by the Principal in accordance with this Integrity Pact or interpretation thereof shall not be subject to arbitration.
7. In view of the nature of integrity pact, the Integrity Pact is irrevocable and shall remain valid even if the main tender/contract is terminated till the currency of the integrity pact.
- ~~8. If any complaint regarding violation of IP is received directly by the Principal in respect of the contract, the same shall be referred to the IEM for comments/recommendations.~~

Article 8 - Independent External Monitor (IEM)

- ~~1. The Principal appoints competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission (Names and address of IEMs are as mentioned in Schedule F). The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement. The Monitor is not subject to instructions by the representatives of the parties and performs his/her functions neutrally and independently.~~
- ~~2. The Monitor would have access to all contract documents, whenever required. It will be obligatory for him/her to treat the information and documents of the Bidders / Contractors as confidential.~~
- ~~3. The Bidder(s)/Contractor(s) accepts that the IEM has the right to access without restriction to all project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the IEM, upon his/her request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to sub-contractors.~~
- ~~4. The IEM is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/ Sub-contractor(s) with confidentiality. The IEM has also signed 'Non Disclosure of Confidential Information' and 'Absence of Conflict of Interest'. In case if any conflict of interest arising at a later date, the IEM shall inform the Engineer-in-Charge and recuse himself / herself from that case.~~
- ~~5. As soon as the IEM notices, or believes to notice, a violation of this agreement, he/she will so inform the Management of the Principal and request the Management to~~


~~discontinue or take corrective action, or to take other relevant action. The IEM can in this regard submit non-binding recommendations. Beyond this, the IEM has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.~~


- ~~6. The IEM will submit a written report to the SDG/ADG concerned within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.~~
- ~~7. If the IEM has reported to the ADG/SDG concerned, a substantiated suspicion of an offence under relevant IPC/PC Act, and the ADG/SDG concerned has, within a reasonable time, not taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the IEM may also transmit this information directly to the Central Vigilance Commissioner.~~
- ~~8. The Principal will provide to the IEM sufficient information about all meetings among the parties related to the project provided such meetings could have impact on contractual relations between the Principal and the contractor. The parties will offer to the IEM the option to participate in such meetings.~~
- ~~9. The word IEM or monitor would include both singular and plural.~~

Article 9- Legal and Prior Rights

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contract documents with regard to any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Principal) 

(For and on behalf of Bidder/Contractor) 

WITNESSES:

1
(Signature, name and address)

2
(Signature, name and address)

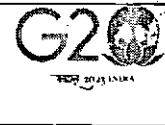
Place:

Dated :

Note: To be signed by the Bidder and the Engineer-in-Charge



Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



FORMAT OF INDEMNITY BOND:

(To be furnished in Stamp paper as per Stamp Act)

(At presents not less than Rs.80/-Stamp paper)

This deed of indemnity executed by hereinafter referred to as Indemnifier which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, representative and assignees in favour of Chandigarh Housing Board, hereinafter to as the indemnified which expression shall unless repugnant to the context of meaning thereof, include its successors and assignees witness us to.

Whereas the indemnified herein has awarded to the Indemnifier therein a contract for the "**Renovation of 05 nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)**" on terms and conditions set out inter alia in contract/Award No. _____ valued at Rs. _____ only)

And whereas the above mentioned contract provides for ' _____ ' as per terms & conditions of the contract.

The indemnifier hereby irrevocably agrees to indemnify the indemnified that he shall be liable for and shall also indemnify the CHB and its employees against all liabilities, losses, claims, demands, proceeding, damages, costs, charges and expenses and further agrees to defend, indemnify and hold the Board and its employees harmless from any penalty whatsoever in respect of any injury or damage to any property of to personals during the execution of work or by the action of any central or state of local authority for violation by the contractor or sub-contractor engaged on the work in respect of his contractual obligations emanated from the contract already referred to the extent of Rs. _____ /- Rupees _____ only)

This indemnity shall be in force up to the date of the item from our end.

Name

Designation

WITNESS:

1.

2.

M

PART-III

FINANCIAL BID

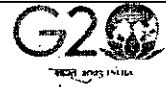
**Special Conditions and other
related documents for submission
of Financial Bid**

INSTRUCTIONS FOR CONTRACTORS

1. Tender to be witnessed at page No. 37-38 of Tender Documents.
2. The tender/ tenders containing conditions contrary to those specified in this document shall be summarily rejected.
3. In Schedule - 'A' appended to the Tender Documents, the %age rate must be filled both in words and figures. Accordingly, the overall quoted amount of the tender should be worked out.
4. The contractor(s) shall quote the rates keeping in mind, 'General Conditions of Contract of CPWD Works-2020' as amended from time to time, special contract conditions and particular specifications enshrined under the Bid Document etc.
5. The contractor(s) shall quote the rates keeping in mind, all taxes, GST etc. etc.



Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



PART- A

CPWD FORM- 7 including Schedule A to F

AG



Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



C.H.B-C.P.W.D - 7

CHANDIGARH HOUSING BOARD

STATE	U.T. , Chandigarh	CIRCLE	II
BRANCH	Civil	DIVISION	IV, CHB
ZONE	Chandigarh	SUB DIVISION	VIII

PERCENTAGE/ ITEM RATE TENDER & CONTRACTS FOR WORKS

- A Tender for the work “Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)”.
- i. To be opened in presence of tenderers who may be present at _____ Hours on _____ 2023 in the office of Executive Engineer-IV, Chandigarh Housing Board, Chandigarh.

Downloaded by _____ (contractor)

COMPOSITE TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F. Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Chairman, CHB within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for **Seventy Five (75) days** from the last day of receipt of technical bid and not to make any modifications in its terms and conditions.

A sum of **Rs.80,000/-** is hereby deposited by bank-to-bank transfer using SBI MOPS or RTGS/ NEFT transfer through [https:// etenders.chd.nic.in](https://etenders.chd.nic.in) portal. A copy of UTR No/ Transaction slip is scanned & uploaded. If I/we, fail furnish the prescribed performance guarantee within prescribed period, I/we agree that the said Chairman, CHB or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said Earnest Money absolutely. Further, if I/we fail to commence work as specified, I/we agree that Chairman, CHB or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said Performance Guarantee absolutely, otherwise the said Performance Guarantee shall be a Guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2, 12.3 and 12.5 of the tender form.

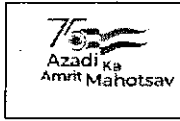
EE-IV

EE-VI(PH)

EE-V(Elect.)

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Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/we undertake and confirm that the eligible similar works has/have not been got executed through another contractor on back to back basis. Further that if such a violation comes to the notice of the department then I/we shall be debarred for tendering in CHB in future forever. Also if, such a violation comes to the notice of the department before the date of start of work then the Engineer-in-charge shall be free to forfeit the entire amount of Earnest Money/ Performance Guarantee.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Signature of the contractor

Postal Address

Dated _____

Witness: _____

Address: _____

Occupation: _____

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Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Chairman, Chandigarh Housing Board, for a sum of Rs. _____ (Rs. _____)

The letters referred to below shall form part of this contract Agreement--

- a)
- b)
- c)

For & on behalf of the Chairman,
Chandigarh Housing Board
Chandigarh.

Signature

Dated

Designation

PROFORMA OF SCHEDULES- For Civil Work

(Operative Schedules to be supplied separately to each of the intending tenderer)

SCHEDULE "A"

Schedule of Quantities for Work (Enclosed) which starts at page 46

SCHEDULE "D"

Extra schedule for specific requirements/documents for the work if any	Nil
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SCHEDULE "E"

Reference to General Conditions of contract of 2020 with amendments upto date

i)	Name of Work	"Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)"
ii)	Composite estimated cost of Civil, PH & Electrical Works	Rs.39,92,532/- (Civil Rs.29,17,180/-)
iii)	Earnest Money (composite amount)	Rs.80,000/-
iv)	Performance Guarantee	3% of the tendered value
v)	Security Deposit	2.5% of tendered value

SCHEDULE "F"

Reference to General Conditions of Contract	GCC - 2020 (Construction work) with latest ammendments
---	--

GENERAL RULES AND DIRECTIONS

Officers inviting tender :-	Executive Engineer-IV Chandigarh Housing Board, Chandigarh.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2, 12.3	Refer Clause-12.
Definitions	
2(v) Engineer-in charge	Executive Engineer-IV Chandigarh Housing Board, Chandigarh.
2(viii) Accepting Authority	Chandigarh Housing Board, Chandigarh.
2(x) Percentage on cost of materials and labour to cover all overheads and profit	15 %

2(xi) Standard Schedule of Rates	Delhi Schedule of Rates DSR- 2021(Updated) with correction slips issued up to the last day of the last date of submission of bid.		
2(xii) Department	Chandigarh Housing Board, Chandigarh		
2(xiii) Specifications	CPWD Latest specifications with latest amendments and as specified in Tender Document		
9(ii) Standard CPWD Contract form	GCC-2020, CPWD form 7, as modified & corrected up to last date of receipt of tender		
Clause 1			
i) Time allowed for submission of Performance Guarantee, programme chart (Time and progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board or proof of applying there of from the date of issue of letter of acceptance	7 Days		
ii) Maximum allowable extension beyond the period provided in (i) above. Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above	15 Days		
Clause 2			
Authority for fixing compensation under clause-2	Superintending Engineer, CHB		
Clause 2A			
Whether Clause 2A shall be applicable	No		
Clause 5			
Number of days from the date of issue of letter of acceptance for reckoning date of start Mile stone(s) as per table given at	10 Days		
(i) Time allowed for execution of work	90 days		
Authority to decide:-			
(i) Extension of time	Superintending Engineer in Charge of Major Component.		
(ii) Rescheduling of mile stones	Superintending Engineer in Charge of Major Component.		
(iii) Shifting of date of start in case of delay in handing over of site	Superintending Engineer in Charge of Major Component.		
PROFORMA OF SCHEDULES Clause 5 Schedule of handing over of site			
Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent.
Part-A	Portion without any hindrance	100%	07 Days

Part-B	Portions with encumbrances	NIL	-
Part-C	Portions dependent on work of other agencies	NIL	-
Clause 7			
Gross work to be done together with net payment/ adjustment of advances for materials collected, if any, since the last such payment for being eligible to interim payment.			Rs.9,00,000/- subject to one payment per month.
Clause 7A			
Whether Clause 7A shall be applicable Clause 7A			Yes
Clause 8A			
Authority to decide compensation on account, if Contractor fails to submit completion plans.			Executive Engineer in Charge of Major Component.
Clause 10 A			
List of testing equipments to be provided by the contractor at site lab. Equipments for Testing of Materials & Concrete at Site Laboratory All necessary equipment for conducting all necessary tests shall be provided at the site laboratory by the contractor at his own cost. The following minimum laboratory equipments shall be set up at site office laboratory:-			
Sl. No.	Equipment	Numbers (Minimum)	
Clause 10 B			
Whether Clause 10 B (i) shall be Applicable			Not Applicable.
Whether Clause 10 B (ii) shall be Applicable			Not Applicable.
Whether Clause 10 B (iii) shall be Applicable.			Not Applicable.
Clause 10 C			
Component of labour expressed as percent of value of work			Not applicable,
Clause 10 CC			
Whether Clause 10 CC shall be Applicable			Not Applicable
Clause 11			
Specification to be followed for execution of work.			CPWD Specifications with correction slips upto date.
Clause 12			
Clause 12			
Type of work			Original work
12.2 & 12.3			
Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for Major Component i.e Building work.			100%
Clause 16			
Competent authority for deciding reduced rates.			Superintending Engineer, CHB
Clause 18			
List of mandatory machinery, Tools & Plants to be			(i) Steel shuttering &

deployed by the contractor at site		Scaffolding (ii) Safety equipment/ instruments etc.	
Clause 19			
Labour Laws to be complied by the Contractor (In case contractor fails to comply, make arrangement and provide necessary facilities etc.)			
Clause 19 C		Rs. 500/- penalty for each default	
Clause 19 D		Rs. 500/- penalty for each default	
Clause 19 G		Rs. 500/- penalty for each default	
Clause 19 K		Rs. 500/- penalty for each default	
Clause 25			
Settlement of Dispute by Conciliation and Arbitration :		CEO, CHB Conciliator,	
Clause 32		Requirement of Technical representatives and	
Recovery rates		N A	
		Figures	Words
Clause 38			
(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Ratesprinted by C.P.W.D.		DSR -2021 (Updated) with correction slips issued up to the last day of the last date of submission of bid.	
ii) Variations permissible on theoretical quantities:			
(a) Cement: For works with estimated cost put to tender not more than Rs. 25 lakh.		3% plus/minus	
For works with estimated cost put to tender more than Rs. 25 lakh.		2% plus/minus	
(b) Bitumen All Works		2.5% plus & only & nil on minus side.	
(c) Steel Reinforcement and structural steel sections for each diameter, section and category		2% plus/minus	
(d) All other materials.		Nil	

**APPROVED MAKES OF VARIOUS ITEMS (WHEREVER PRESCRIBED)
FOR USE UNDER THIS CONTRACT**

SR. NO.	ITEMS	MAKE
1.	(i) Ordinary Portland/ Portland Pozzolona Cement (Grey) (43 Grade)	ACC, Shree, Ultratech, Vikram, Birla, JK Cement, JP Rewa, or from any other reputed cement Manufacturer having a production capacity not less than one million tonnes per annum.
2.	(ii) White Cement	Birla White/J.K. White
3.	TMT FE-500D/550D	Primary producers Sail, Tata, JSW, Jindal Steel & Power and Rashtriya Ispat Nigam Ltd.
4.	Flush door-decorative/Non decorative	Century, Archid, Green Merino, Dura (Duly ISI Marked)
5.	Locks	Godrej, Dorset, Dorma, Kitch, Yale, Hettich
6.	Float Glass	Modi guard, Saint gobain, Ashahi
7.	Glazed Tiles	JOHNSON/KAJARIA/NITCO/RAK
8.	Ceramic Tile	JOHNSON/KAJARIA/NITCO/RAK
9.	Vitrified Tiles (Double charged)	JOHNSON/KAJARIA/NITCO/RAK
10.	Water Proofing	ACCOPROOF/BASF/SIKA/Pidilite/Cico
11.	Synthetic enamel paint	DULUX/ NEROLAC/ ASIAN PAINT/ BERGER/ JENSON & NICHOLSON
12.	uPVC window & fittings	Fenesta/Saint Gobain/Komerling/Rehau

The Agency is required to get prior approval of Engineer-in-charge for the make of the material to be used in the work. In case of non-availability of material from these manufacturers; the Chief Engineer may allow use of alternative BIS approved manufacturer makes.

GENERAL ABSTRACT OF COST

Name of Work:- "Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)".

S. No.	Name of work	Amount
1	"Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)"	
A	Civil Work	Rs.29,17,180.00
B	P.H. Work	Rs. 9,12,760.00
C	Elect. Work	Rs.1.62.592.00
	Grand Total (A+B+C)	Rs.39,92,532.00

ABSTRACT OF COST CIVIL

NAME OF WORK:-"Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)".

Sr. No.	Description	Amount
1.	Sub Head A Item No. 1 to 2 CONCRETE WORK	Rs.31,815/-
2.	Sub Head B Item No. 3 to 7 REINFORCED CEMENT CONCRETE	Rs.1,95,821/-
3.	Sub Head C Item No. 8 To 9 MASONARY WORK	Rs.45,904/-
4.	Sub Head D Item No. 10 To 11 CLADDING WORK	Rs.4,36,344/-
5.	Sub Head E Item No. 12 To 16 Wood and PVC Work	Rs.1,57,673/-
6.	Sub Head F Item No. 17 FLOORING	Rs.4,68,857/-
7.	Sub Head G Item No. 18 To 19 ROOFING	Rs1,00,743/-
8.	Sub Head H Item No.20 To 23 FINISHING	Rs.26,788/-
9.	Sub Head I Item No.24 REPAIRS TO BUILDING	Rs.43,655/-
10.	Sub Head J Item No. 25 To 27 DISMANTLING AND DEMOLISHING	Rs.25,611/-
11	Sub Head K Item No. 28 WATER PROOFING	Rs.12,01,946/-
12.	Sub Head L Item No. 29 To 38 NON SCHEDULED ITEMS	Rs.1,82,023/-
	Total	Rs.29,17,180/-



Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



Schedule of Quantities for the work "Renovation of 05 nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)"

Civil Component

Sr. No.	Description of Item	Quantity		Unit	Total Rate	Amount
Sub Head A Item No. 1 to 2	CONCRETE WORK					
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	0.95	cum	cumP	8234.23	7823.00
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	3.40	cum	cum	7056.37	23992.00
Sub Head B Item No. 3 to	REINFORCED CEMENT CONCRETE					

7						
3	Centering and shuttering including strutting, propping etc. and removal of form for					
	Suspended floors, roofs, landings, balconies and access platform	80.00	sqm	sqm	810.91	64873.00
4	Shelves (Cast in situ)	6.85	sqm	sqm	810.91	5555.00
5	Edges of slabs and breaks in floors and walls					
	Under 20 cm wide	11.39	metre	metre	192.46	2192.00
6	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.	699	Killogram	Killogram	94.84	66293.00
7.	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In					

	case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra					
	All works above plinth level upto floor V level					
	Concrete of M25 grade with minimum cement content of 330 kg /cum	6.00	cum	cum	9484.65	56908.00
Sub Head C Item No. 8 To 9	MASONRY WORK					
8	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 1:4 (1 cement : 4 coarse sand)	4.30	cum	cum	9004.84	38721.00
9	Half brick masonry 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.					
	Cement mortar 1:4 (1 cement : 4 coarse sand)	6.67	sqm	sqm	1076.97	7183.00
Sub Head D Item No. 10 To 11	CLADDING WORK					
10	Providing and fixing plywood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with :					
	Decorative veneer facings of approved manufacture	6.95	sqm	sqm	1740.87	12099.00

11	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	377.11	sqm	sqm	1124.99	424245.00
Sub Head E Item No. 12 To 16	WOOD AND P.V.C. WORK					
12	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).					
	Second class teak wood	0.32	cum	cum	139193.16	44542.00
13	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.					
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	25.41	sqm	sqm	3264.72	82957.00

14	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	25.84	sqm	sqm	424.61	10972.00
15	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :					
	150x10 mm	15.00	Nos	each	245.72	3686.00
	100x10 mm	15.00	Nos	each	169.59	2544.00
16	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	15.00	Nos	each	864.81	12972.00
Sub Head F Item No. 17	FLOORING					
17	Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.					

	18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.	72.71	sqm	sqm	6448.32	468857.00
Sub Head G Item No. 18 To 19	ROOFING					
18	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	45.00	Nos	each	282.10	12695.00
19	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of					

	the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge					
	GI Metal Ceiling Lay in plain Tegular edge Global whitecolor tiles of size 595x595 mm, and 0.5 mm thick with 8mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	52.29	sqm	sqm	1683.84	88048.00
Sub Head H Item No.20 To-23	FINISHING					
20	Applying priming coat:					

	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	53.04	sqm	sqm	64.99	3447.00
21	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
	Two or more coats on new work	31.28	sqm	sqm	139.10	4351.00
22	Polishing on wood work with ready mixed wax polish of approved brand and manufacture :					
	New work	68.33	sqm	sqm	173.65	11866.00
23	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	72.61	sqm	sqm	98.11	7124.00
Sub Head I Item No.24	REPAIRS TO BUILDING					
24	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge.	76.37	sqm	sqm	571.63	43655.00

Sub Head J Item No. 25 To 27	DISMANTLING AND DEMOLISHING					
25	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	6.51	cum	cum	3097.61	20165.00
26	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :					
	Of area 3 sq. metres and below	15.00	Nos	each	125.14	1877.00
27	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	72.54	sqm	sqm	49.20	3569.00
Sub Head K Item No. 28	WATER PROOFING					
28	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations:					

a	Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.					
b	Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.					
c	After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge.					
d	Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water roofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat					

	cement slurry and making pattern of 300x300 mm square 3 mm deep.					
e	The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. "All above operations to be done in order and as directed and specified by the Engineer-in-Charge :					
	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	746.05	sqm	sqm	1611.08	1201946.00
Sub Head L Item No. 29 To 38	NON SCHEDULED ITEMS					
29	Dismantling tile and marble work in floors and cladding work for thickness of tiles 10 mm to 25 mm laid in cement mortar including stacking material within 50 metres lead.	305.15	sqm	sqm	47.00	14342.00
30	Providing and fixing sliding door shutter along with proper frame for sliding arrangement alongwith necessary fitting i.e handle, roller and lock etc complete in all respects as per direction and to the entire satisfaction of engineer in charge.	3.14	sqm	sqm	1031.00	3237.00
31	Providing and fixing of name plates letters made of acrylic sheet in golden colour letters to be fixed in front of Toilets complete in all respect to the entire satisfaction of Engineer-in-Charge.	5.00	nos	each	855.00	4275.00

32	Carriage of building rubbish, shrubs, malba, etc by mechanical transport including loading unloading upto 5 Km.	3.00	nos	each	976.00	2928.00
33	Cleaning of Roof terrace, vegetation and Disposal of Rubbish/Malba/Waste Material & Disposal at the designated area marked by MC, Chandigarh at disposal area including all leads other T& P complete in all respect to the entire satisfaction of Engineer-in-charge.	10.00	nos	each	733.00	7330.00
34	Providing and fixing 6 mm thick toughened glass/blind mirror of approved make, Incl edge grinding, making holes, including all fitting etc (Cost of glass including labour element for glass, stacking, carrying to heights and fixing in appropriate locations, is to be included in the rate) complete in all respect to the entire satisfaction of Engineer-in-charge.	14.02	sqm	sqm	2904.00	40714.00
35	Providing and fixing looking mirror including edge grinding, making holes, all fitting etc (Cost of glass including labour element for glass, stacking, carrying to heights and fixing in appropriate locations is to be included in the rate) complete in all respect or desired to the entire satisfaction of Engineer-in-charge.	7.78	sqm	sqm	53.00	412.00
36	Providing and fixing plaster of Paris false ceiling 6mm thick in all shapes (Plain, Conical, Curved etc) at all heights cast in situ reinforced with wire mesh 22x6 gauge fixed to the underside GI Crading with main members and further providing wood work along with paint polish and complete in all respect to the entire satisfaction of Engineer-in-charge.	20.25	sqm	sqm	1725.00	34931.00

37	Tile brick masonry work 5 cm thick with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth and upto floor five level further including steel reinforcement after every fourth layer for strengthening of wall as per direction and complete satisfaction of the Engineer-in-charge. (based on 6.22)	2.80	sqm	sqm	1725.00	4830.00
38	Providing and fixing 16 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.	14.60	sqm	sqm	4727.70	69024.00
Total						2917180.00

**Mile stone Programmer
(In Physical Terms)
Civil Work**

S. No.	Description of Milestone (Physical)				Time allowed in Days (from date of start)	Amount to be with-held in case on non achievement of respective milestone.
1	1st Quarter					
	S. No	Description	During the quarter	Cumulative		
	1.	Concrete Work	100%	100%	22 Days	0.625% of Tended Amount
	2.	R.C.C	10%	10%		
	3.	Masonry Work	50%	50%		
	4.	Repair to Building	50%	50%		
	5.	Dismantling and Demolishing	100%	100%		
2	2nd Quarter					
	S. No	Description	During the quarter	Cumulative		
	1.	Concrete Work	0%	100%	45 Days	1.25% of Tended Amount
	2.	R.C.C	90%	100%		
	3.	Masonry Work	50%	100%		
	4.	Finishing	15%	15%		
	5.	Repair to Building	50%	100%		
	6.	Dismantling and Demolishing	0%	100%		

	7.	Water Proofing	20%	20%		
	8.	Non Schdule Items	10%	10%		
3	3rd Quarter					
	S. No	Description	During the quarter	Cumulative		
	1.	Concrete Work	0%	100%		
	2.	R.C.C	0%	100%		
	3.	Masonry Work	0%	100%		
	4.	Cladding Work	30%	30%		
	5.	Wood and PVC Work	30%	60%		
	6.	Flooring	50%	50%		
	7.	Roofing	60%	60%		
	8.	Finishing	40%	55%		
	9.	Repair to Building	0%	100%		
	10.	Dismantling and Demolishing	0%	100%		
	11.	Water Proofing	80%	100%		
	12.	Non Schdule Items	50%	60%		
4	4th Quarter					
	S. No	Description	During the quarter	Cumulative		
	1.	Concrete Work	0%	100%		
	2.	R.C.C	70%	100%		
	3.	Masonry Work	0%	100%		
					67 Days	1.875% of Tendered Amount
					90 Days	

4.	Cladding Work	70%	100%	1.25% of Tended Amount
5.	Wood and PVC Work	40%	100%	
6.	Flooring	50%	100%	
7.	Roofing	40%	100%	
8.	Finishing	45%	100%	
9.	Repair to Building	0%	100%	
10.	Dismantling and Demolishing	0%	100%	
11.	Water Proofing	0%	100%	
12.	Non Schdule Items	40%	100%	

Part B

**I - GENERAL / SPECIFIC CONDITIONS,
SPECIFICATIONS**

**II - FINANCIAL BID FOR QUOTING
RATES**

General/Specific Conditions as applicable.

Note: The order of preference in case of any discrepancy may be read as the following:-

- a. Nomenclature of items as per schedule of quantities.
- b. Particular specification and special condition, if any.
- c. CPWD/MORT&H specifications.
- d. Architectural Drawings.
- e. Indian standard specifications of B.I.S.
- f. Sound Engineering Practice.
- g. GCC.
- h. CPWD Manual.

1.0 General

- 1.1 Except for the items, for which Particular Specifications are given or where it is specifically mentioned otherwise in the description of the items in the schedule of quantities, the work shall generally be carried-out in accordance with the "CPWD/MORT&H specifications (Refer Para 2 (xiii) of **Schedule A-F** for Civil, / Specifications shall be followed and the rates should be all inclusive.
- 1.2 Any reference made to any Indian Standard Specifications, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The Contractor shall keep at his own cost all such publications including relevant Indian Standard applicable to the work at site.
- 1.3 The work shall be executed and measured as per metric dimensions given in the Schedule of Quantities, drawings etc. (FPS units wherever indicated are for guidelines only).
- 1.4 The work should be planned in a systematic manner ~~so that chase cuttings in the walls, ceilings and floors is minimized.~~ The contractor shall ensure proper co-ordination of various disciplines viz. ~~sanitary & water supply, horticulture & electrical etc.~~
- 1.5 ~~All the hidden items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested before covering.~~
- 1.6 ~~Samples including brand/ quality of materials and fittings to be used in the work shall be got approved from the Engineer in Charge, well in advance of actual execution and shall be preserved till the completion of the work.~~
- 1.7 The contractor, his agents/ representative, workman etc. shall strictly observe orders pertaining to fire precautions prevailing in the area.
- 1.8 Contractor(s) shall study the soil investigation report for the site, available in the office of the Engineer-in-Charge and satisfy himself about complete

characteristics of soil and other parameters at site. However, no claim on the alleged inadequacy or incorrectness of the soil data supplied by the department shall be entertained.

- 1.9 The tenderer shall see the approaches to the site. In case any approach from main road is required at site or, existing approach is to be improved and maintained for cartage of materials by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost.
- 1.10 Contractor shall take all precautionary measure to avoid any-damage to adjoining property. All necessary arrangement shall be made at his own cost.
- 1.11 The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night, speed limit boards, red flags, red lights and providing barriers. He shall be responsible for all damages and accidents caused due to negligence on his part. Contractor shall ensure that no hindrances shall be caused to traffic during the execution of the work.
- 1.12 The contractor shall take instructions from the 'Engineer-in-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, compound wall, services etc are to be constructed.
- 1.13 The contractor shall provide at his own cost suitable weighing, surveying and leveling and measuring arrangements as may be necessary at site for checking. All such equipments shall be got calibrated in advance from laboratory, approved by the Engineer-in-Charge. Nothing extra shall be payable on this account.
- 1.14 Contractor shall provide permanent bench marks, flag tops and other reference points for the proper execution of work and these shall be preserved till the end of work. All such reference points shall be in relation to the levels and locations, given in the Architectural and plumbing drawings.
- 1.15 The work shall be carried out in accordance with the Architectural drawings and Structural drawings, to be issued from time to time, by the Engineer-in-Charge. Before commencement of any of work, the contractor shall co-relate all the relevant architectural and structural drawings issued for the work, nomenclature of items. Specifications etc. and satisfy himself that the information available there from is complete and unambiguous. The figures & the written dimensions of the drawing shall supersede the measurement by scale. The discrepancy, if any, shall be brought to the notice of the Engineer-in-Charge for immediate decision before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and/ or incomplete information and no claim, whatsoever shall be entertained on this account.

- 1.16 The Architectural drawings other than those indicated in nomenclature of items are only indicative of the nature of the work and materials/fittings involved unless and otherwise specifically mentioned.
- 1.17 The contractor should submit the shop drawing of staging and shuttering for approval of Engineer-in-Charge before actually commencing the execution of work under the item. Nothing extra shall be payable on this account.
- 1.18 Other agencies may also simultaneously execute and install the works and the contractor shall afford necessary facilities for the same. The contractor shall leave such recesses, holes, openings, trenches etc. as may be required for such related works (for which inserts, sleeves, brackets; conduits, base plates, clamps etc. shall be available as specified elsewhere in the contract) and the contractor shall fix the same at the time of casting of concrete, stone work and brick work, if required, and nothing extra shall be payable on this account.
- 1.19 The contractor shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.
- 1.20 All material shall only be brought at site as per program finalized with the Engineer-in-Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.
- 1.21 The contractor shall procure the required materials in advance so that there is sufficient time for testing of the materials and approval of the same before use in the work.
- 1.22 Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services. In case temporary supporting/ shifting of such services is required to facilitate the work, the same shall be done by the contractor at no extra cost.

In case the existing services are to be shifted permanently, then before dismantling the existing services, alternate/diversion of service lines has to be laid by the contractor so that there is no interruption in use of existing services. The contractor has to plan the alternate suitable route for diversion/shifting of service lines and get the same approved from the Engineer-in-Charge before starting shifting of services. Nothing extra shall

be paid except the payment of dismantling and laying of new service lines as per conditions of contract

- 1.23 The contractor shall be responsible for the watch and ward / guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fillings and fixtures provided by him against pilferage and breakage during the period, of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.
- 1.24 The contractor shall be fully responsible for the safe custody of materials brought by him/ issued to him even though the materials may be under double lock key system.
- 1.25 For construction works which are likely to generate malba / rubbish to the tune of more than a tempo / truck load, contractor shall dispose of malba, rubbish & other unserviceable materials and wastes at his own cost to the notified specified dumping ground and under no circumstances these shall be stacked / dumped even temporarily, outside the construction premises.
- 1.26 The excavated surplus earth of the building shall be disposed off by the contractor for all leads and lifts free of cost within Campus. Dumping site/ premises shall be got approved from Engineer in Charge. The contractor will not be permitted to take the surplus earth outside the Campus.
- 1.27 The contractor shall take all necessary measures for the safe flow of traffic during construction including providing / maintaining such barricades all around construction area without hindering free flow of traffic as per directions of Engineer in Charge. Nothing extra shall be payable on account of providing and maintaining the barricading in good condition. The contractor shall be responsible for all damages and accidents caused due to negligence on his part.
- 1.28 Nothing extra shall be paid for making groove/cut of any kind in the item/items of plastering work.
- 1.29 ~~M.S. hooks shall be provided for G.I. pipes/PE-AL-PE composite pipe/conduit pipes in chase wherever required as directed by E.I.C. and nothing extra shall be payable on this account.~~
- 1.30 The rates for all items of work shall unless clearly specified, include the cost of labour, materials and other inputs involved in the execution of the items.
- 1.31 As per provision of contract labour (Regulation & abolition (Act) 1970, the agency shall obtain license for employing labour on the work before commencement of work and shall also display a copy of the same at the premises where the contract work is being carried out.
- 1.32 As per instructions of the Excise and Taxation Officer, UT, Chandigarh contractors who are engaged in contract work in UT, Chandigarh are liable for registration under the provision of Punjab General Sales Tax Act 1948

as applicable in UT, Chandigarh. For non compliance they are liable to penal action under the above said Act.

1.33 The contractor shall responsible for the implementation of all the provisions under **Rule 4 of Chandigarh Municipal Corporation (Sanitation and Public Health) Bye Laws, 1999** and bear all the fines, penalties and prosecutions in case of failures. CHB reserves the right to recover any damages/penalties imposed from the payments due to the contractor.

1.34 Justified amount (X) shall be worked out by the Board at the time of award of work while analyzing the bids received. The allotment amount (excluding escalation) (Y) shall be at a %age $O = (Y-X)/X$ above or below the said justified amount which will be called 'original %age above or below' as the case is.

Revised justified amt (X'), on the same parameters as worked out at the time of award of work, shall be worked out at the time of every bill with the actual quantities. The actual amount of work (excluding escalation) (Y') at the time of every Bill shall be at a %age $A = (Y'-X')/X'$ above or below the said revised justified amount which will be called "actual %age above or below" as the case is.

Suitable reduction will be made in the running/final bill, in case the "actual %age" (A) exceeds the "original %age" (O) so that the "actual %age" remains at par or with in the "original %age".

1.35 In case the lowest tendered amount (estimated cost + amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit sealed revised offer in the form of letter mentioning percentage above/ below on estimated cost of tender including all sub sections/sub heads as the case may be, but the revised percentage quoted above/below on tendered cost or on each sub section/sub head should not be higher than the percentage quoted at the time of submission of tender. The lowest tender shall be decided on the basis of revised offers.

In case any of such contractor refuses to submit revised offer, then it shall be treated as withdrawal of his tender before acceptance and 50% of earnest money shall be forfeited.

If the revised tendered amount of two more contractors received in revised offer is again found to be equal, the lowest tender, among such contractors, shall be decided by draw of lots in the presence of SE of the circle, or CE of the zone EE(s) in-charge of major & minor component(s) (also DDH in case Horticulture work is also included in the tender), & the lowest contractors those have quoted equal amount of their tenders.

In case all the lowest contractors those have quoted same tendered amount, refuse to submit revised offers, then tenders are to be recalled after forfeiting 50% of EMD of each contractor.

Contractor(s), whose earnest money is forfeited because of non-submission of revised offer, shall not be allowed to participate in the re-tendering process of the work.

- 1.36 The competent authority on behalf of CHB reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- 1.37 The Board reserves its right to bifurcate the work between one or more agencies and further reserves its right to withdraw a part of a work of a particular item at any stage during the execution of work without prejudice to the right of the Board to recover, liquidated damages under various provisions of the contract agreement.
- 1.38 The quantities of various items ~~and the number of houses~~ can be increased or decreased at any stage unless and otherwise specified. No claim on account of such changes will be entertained. However the payment to the contractor under running/final bills shall be governed by actual quantities of the various items executed at site at the rate prescribed in the DNIT plus or minus quoted percentage by the agency.
- 1.39 The contractor shall be liable for and shall also indemnify the CHB and its employees against all liabilities, losses, claims, demands, proceeding, damages, costs, charges and expenses and further agrees to defend, indemnify and hold the Board and its employees harmless from any penalty whatsoever in respect of any injury or damage to any property of to personals during the execution of work or by the action of any central or state of local authority for violation by the contractor or sub-contractor engaged on the work.
- 1.40 The work during its progress and subsequently at any stage shall be open for Inspection by Third Party/Quality Assurance Independent Agency appointed by CHB for Technical Examination/Audit on behalf of Engineer-In Charge and agency shall be responsible for compliance of the observation raised by it and including any compliance /recovery proposed thereof. In case of non compliance in 15 days further payment would be stopped.
- 1.41 **Supply of Water and Electric Power:** Unless otherwise provided elsewhere in the Contract, the Contractor shall be responsible for making arrangements at his own cost for obtaining supply of water and/or electrical power, necessary for the execution of the works and during defect liability period. If the agency arranges temporary water connection from MC, Chandigarh for construction purpose, the recovery of water charges shall be made as per Chandigarh Gazette notification issued on 28 September 2006. If the contractual agency arranges water through water tanker from MC, Chandigarh in case of non-availability of water supply lines at the site by the MC, then he will produce bill/payment receipt of water charges and **recovery of such balance of 1.50 % after deducting receipt of MCC will be effected from the agency provided the agency submit no objection**

certificate from the MC, Chandigarh in this regard. If the contractual agency uses the water from the public stand post, through private tanker or any of the existing sources, panel rate recovery shall be made from the running bills/final bill. In the event the CHB is in a position to supply water or electrical power, or both, required for works, such supply shall be given only at one point. The cost of making necessary arrangements to the Engineer's distribution system and laying of necessary pipe line, specials, valves, meters etc. for water supply or the laying of underground/overhead conductor, circuit protection, electric power meters and transmission structures in case of electric power shall be borne by the Contractor. **The Contractor shall also bear the running cost of water and power supplied, the rates for which shall be determined and notified by the Competent Authority. Presently the water charges @ 1.5% of the project cost which shall be deducted from bills of the agency instead of 1% as defined in Clause-31A (i) GCC.** Any increase in water/power tariff by supplying agencies shall also be borne by the Contractor. The decision of CHB on such cost shall be final and binding. Before the release of security, the contractor will submit no due certificate from Electricity department.

1.42. The agency shall deposit EPF Contributions directly to RPFC on the stipulated dates and shall submit on regular basis proof of satisfactory compliance of the provisions of 'EPF & Miscellaneous Provisions Act, 1952'. The agency shall obtain inspection report for compliance from inspector RPFC office for the period of the contract for this work and shall submit to CHB as a proof of EPF contribution after which the security shall be released.

1.42.1 The contractual agency shall submit the copies of the monthly challans duly paid in respect of EPF contribution of labour deployed at site by 10th of succeeding month, otherwise no running payment will be released.

1.42.2 For non compliance of conditions 1.41 to 1.42.2 above, a penalty shall be levied @ Rs.1000/- for each default per day for each component (i.e. Civil)

1.43 Unauthorized occupation: It shall be the responsibility of the contractor to see that the building site under construction is not occupied by anybody unauthorized during construction, or afterwards till it is handed over to the Engineer-in-charge with vacant possession of complete building site. If such building site through completed is occupied illegally, then the Engineer-in-charge shall have the option to refuse to accept the said building/building site in that position. Any delay in acceptance on this account will be treated as the delay in completion of work and for such delay a levy up to ½ % of tendered value of work per week, may be imposed by the Chief Engineer, whose decision shall be final and binding both with regard to the justification and quantum and be binding on the contractor. This decision of Chief Engineer will not be open to any

arbitration/litigation. However, the Chief Engineer, through a notice, may require the contractor to remove the illegal occupation anytime on or before construction and delivery.

- 1.44 In addition to the conditions laid down in the 'General Condition of Contract Document of Chandigarh Housing Board' for release of security deposit, the contractor shall have to make compliance of the following:-
- (i) To submit clearance from the RPFC regarding making compliance of the provisions of the EPF Act or otherwise as specified in the 'Tender Document'
 - (ii) To produce no due certificate from Electricity department.
- 1.45 Deduction on account of Income Tax shall be made at the rate prescribed by law from the gross payment due to the contractor in accordance with section 194 C of Income Tax Act 1961, in force.
- 1.46 For the materials other than mentioned in the list of the approved makes in this Document, preference will be given to the ISI marked materials.
- 1.47 Earth required by the contractor shall not be dug from any part near the area of the work. The site from wherein the earth is to be brought is subject to the prior approval of the Engineer-in-charge.
- 1.48 All royalty sales and other taxes are included in the rates and are the liability of the contractors. The rates are inclusive of cost of material, machinery, fuel, lubricant & labour complete and shall be firm and nothing extra shall be payable over and above.
- 1.49 The rates given in the attached schedule of the rates are for finished work nothing extra shall be paid for any local carriage and re-handling of material irrespective of lead and lift.
- 1.50 All T&P required for the labour will have to be arranged by the agency.
- 1.51 The traffic shall have to be regulated during day as well as night time. The contractor will be responsible for any accident or damage caused due to negligence or improper arrangements of traffic regulation. Nothing extra shall be payable on this account. The Engineer-In-charge will assist the contractor for diverting the traffic with the help of local authorities.
- 1.52 No payment will be made to the contractor for damage caused by flood, rain, local disturbance, war, epidemic or either natural calamities during execution of work and no such claim on this account will be entertained.
- 1.53 The work during its progress and subsequently at any stage can also be inspected by the Chief Vigilance Officer/Chief Technical Examiner on behalf of the Engineer-in-Charge and agency shall be responsible for compliance of the observation raised by Chief Vigilance Officer/Chief Technical Engineer and including any recoveries proposed thereof.

- 1.54 Any material left at the site one month after completion of work shall be become the property of the department and no payment shall be made to the contractor for the material.
- 1.55 ~~All the hidden items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested before covering.~~
- 1.56 The claims in bills regarding wages/ salary, Employees state Insurance, Provident Fund, EDLI etc. should be necessarily accompanied with documentary proof pertaining to the concerned month bill. A requisite portion of the bill/whole of the bill amount shall be held up till such proof is furnished, at the discretion of CHB.
- 1.57 The executing agency shall maintain all statutory registers under the applicable law. The executing agency shall produce the same, on demand, to the concerned authority of Chandigarh housing Board or any other authority under law.
- 1.58 In case, the executing agency fails to comply with any statutory/ taxation liability under appropriate law, and as a result thereof the Chandigarh Housing Board is

put to any loss/obligation, monetary or otherwise, the Chandigarh Housing Board will be entitled to get itself reimbursed out of the outstanding bills or the Performance Security Deposit of the agency, to the extent of the loss or obligation in monetary terms.

2.0 Unless otherwise specified in the schedule of quantities, the rates for respective items shall be all inclusive and apply to the following: -

- i. The rates quoted by the applicants in the Financial Bid should be inclusive of GST and all other taxes/levies and Cess as per Building & other construction Workers Welfare Cess ACT 1996 as extended to Chandigarh vide notification dated 17.09.2009. Nothing extra on this account shall be paid.

Further, the ESI and EPF contributions on the part of employer in respect of this contract shall be paid by the contractor. These contributions on the part of the employer paid by the contractor shall be reimbursed by the Engineer-in-charge to the contractor on actual basis.
- ii. All lifts & all heights, floors including terrace, leads and depths.
- iii. All labour, material, tools and plants and other inputs involved in the execution of the item.
- iv. Any of the conditions and specifications mentioned in the tender documents.
- v. Pumping /bailing out surface water/ rain water, if necessary for any reason.
- vi. Any legal or financial implications resulting out of disposal of earth, if any.
- vii. Performance test of the entire installation(s) before the work is finally accepted.

- viii. Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been built in the items.
- ix. All incidental charges for cartage, storage and safe custody of materials brought to site.

3.0 TESTING OF MATERIAL:

3.1 Testing of Materials: When required by the Engineer-in-Charge, the contractor shall supply, for the purpose of testing, samples of all materials proposed to be used in the works. Samples submitted either to govern bulk supplies or required for testing before use shall be provided free of charge by the contractor. All testing charges shall be borne by the contractor unless otherwise mentioned in the document. All mandatory test as per specification shall be carried out at laboratories as directed by Engineer-in-Charge.

All other expenditure required to be incurred for taking samples; Conveyance, packing etc. shall also be borne by the contractor himself.

- 3.2 However, if any ultrasonic pulse velocity/ load testing or special testing is to be done for concrete whose strength is doubtful, the cost of the same shall be borne by the contractor.
- 3.3 In case there is any discrepancy in frequency of testing as given in list of mandatory tests and that in individual sub-heads of work as per CPWD Specifications higher of the two frequencies of testing shall be followed and nothing extra shall be payable on this account.
- 3.4 The contractor shall ensure quality construction in a planned and time bound manner. Any substandard material, work beyond set-out tolerance limit shall be summarily rejected by the Engineer-in-Charge & contractor shall be bound to replace/ remove such sub-standard /defective work immediately.

Laboratory/ Field equipment referred in the CPWD works Manual is to be arranged and maintained by the contractor at the site of work. In case the equipment required for any test is not available at site, the department shall get the test conducted from the third party. However in that event, besides providing free materials of sample, the cost of taking of sample, packing, transportation, testing charges etc. shall be borne by the contractor irrespective of the results.

4.0 SECRECY

- 4.1 The contractor shall take all steps necessary that all persons employed on any work in connection with the contract have notice that the Indian Official Secrets Act 1923 applies to them & will continue so to apply even after the execution of such works under the contract.
- 4.2 The contract is confidential and must be strictly confirmed to the contractor's own use (except so far as confidential disclosure to sub-contractors or suppliers as necessary) and to the purpose of the contract.

- 4.3 All documents, copies thereof & extracts there from furnished to the contractor shall be returned to the Engineer-in-Charge on the completion of the work/works or the earlier determination of the contract.

5.0 PROGRAM CHART: -

- 5.1 The Contractor shall prepare an integrated program chart in MS project/ Primavera software for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the program within the stipulated period or earlier and submit the same for approval of the Engineer-in-Charge within 15 days of the issue of letter of commencement of work.
- 5.2 The work has to be completed in stages as indicated in the Milestones under **Schedule 'F'** and the program should be prepared in such a manner to achieve these Milestones as indicated therein or earlier.
- 5.3 The program chart should include the following:
- Descriptive note explaining sequence of various activities.
 - Network (PERT / CPM / BAR CHART) which will indicate resources in financial terms, manpower and specialized equipment for every important stage.
 - Program for procurement of materials by the contractor.
 - Program of procurement of machinery / equipments having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor.
- 5.4 If at any time, it appears to the Engineer-in-Charge that the actual progress of work does not conform to the approved program referred above, the contractor shall produce a revised program showing the modifications to the approved program by additional inputs to ensure completion of the work within the stipulated time.
- 5.5 The submission of revised program or approval by the Engineer-in-Charge of such program or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities under the contract. This is without prejudice to the right of Engineer-in-Charge to take action against the contractor as per terms and conditions of the agreement.

Notwithstanding the fact that the contractor will have to pay to the labourers and other staff engaged directly or indirectly on the work according to the -provisions of the labour regulations and the agreement entered upon and/or extra amounts for any other reason.

6.0 SAMPLE OF MATERIALS:-

- 6.1 All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-Charge which shall be preserved till the completion of the work. If a particular brand of material is

specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-in-Charge. Wherever brand / quality of material is not specified in the item of work, the contractor shall submit the samples for approval of Engineer-in-charge. For all other items, ISI Marked materials and fittings shall be used with the approval of Engineer-in-Charge. Wherever ISI Marked material/ fittings are not available, the contractor shall submit samples of materials/ a fitting manufactured by firms of repute conforming to relevant Specifications or IS codes for the approval of Engineer-in-Charge.

6.2 To avoid delay, contractor should submit samples as stated above well in advance so as to give timely orders for procurement. If any material, even though approved by Engineer-in-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.

6.3. BIS marked materials except otherwise specified shall also be subjected to quality test besides testing of other materials as per the specifications described for the item/material. Wherever BIS marked materials are brought to the site of work, the contractor shall furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material procured by the contractor for incorporation in the work satisfies the provisions of specifications relevant to the material and / or the work done.

BIS marked items (except cement & steel for which separate provisions have been made in the Tender Document) required on the work shall be got tested, for only important tests, which govern the quality of the product, as decided by the Engineer-In-Charge. The frequency of such tests (except the mandatory test) shall be 5% of the frequency as specified in BIS. For mandatory test, frequency shall be as specified in the CPWD Specifications

6.4 For certain items, if frequency of tests is neither mentioned in the CPWD Specifications & BIS, then tests shall be carried out as per decision of Engineer-in-Charge.

7.0 CEMENT & STEEL REINFORCEMENT (IF NOT STIPULATED TO BE SUPPLIED BY THE DEPARTMENT).

7.1 Contractor has to produce manufacturers test certificate for each lot of Cement &. Steel Reinforcement procured at site.

7.2 CEMENT:-

7.2.1 The contractor shall procure 43 Grade (conforming to ISI 8112) Ordinary Portland Cement and/or Portland Pozzolana Cement (Fly Ash based), as required in the work from reputed manufacturers of cement having a production capacity not less than one million tones or more per annum, such as ACC, Shree, Ultratech, Vikram, Birla,

JK Cement, JP Rewa *or from any other reputed cement Manufacturer having a production capacity not less than one million tonnes per annum* as approved by the Ministry of Industries, Govt of India, and holding license to use ISI certificate mark for their product. The Tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially.

The supply of cement shall be taken in 50 kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected, and it shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.

clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to made.

- 7.2.6 The cement brought to the site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the Engineer-in-charge.
- 7.2.7 The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 3 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the contractor.

7.3 STEEL REINFORCEMENT: -

- 7.3.1 The contractor shall procure TMT bars of Fe 500D grade from primary producers such as SAIL, TISCO, Rashtrya Ispat Nigam Ltd. or any other producer as approved by CPWD who are using iron ore as the basic raw material/input and having crude steel capacity of 2.0 Million tonnes per annum as approved by Ministry of Steel

- 7.3.2 The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work.
- 7.3.3 Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time of written orders from the Engineer-in-charge to do so.
- 7.3.4 The steel reinforcement bars shall be brought to the site in bulk supply of 10 tonnes or more, or as decided by the Engineer-in-charge.
- 7.3.5 The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting the checking.
- 7.3.6 For checking nominal mass, tensile strength, bend test, re-bend test etc. specimens of sufficient length shall be cut from each size of the bar at random, and at frequency not less than that specified below:

Size of bar	For consignment below 100 tonnes	For consignment above 100 tonnes
Under 10mm dia bars	One sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part thereof
10mm to 16mm dia bars	One sample for each 35 tonnes or part thereof	One sample for each 45 tonnes or part thereof
Over 16mm dia bars	One sample for each 45 tonnes or part thereof	One sample for each 50 tonnes or part thereof.

- 7.3.7 The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor/Department in the manner indicated below:
- By the contractor, if the results show that the steel does not conform to relevant BIS Codes.
 - By the department, if the results show that the steel conforms to relevant BIS Codes.
- 7.3.8 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of Steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the steel consumption is less than theoretical consumption including permissible variation, recovery at the rate so

prescribed shall be made. In case of excess consumption no adjustment need to made.

- 7.3.9 The steel brought to the site and the steel remaining unused after completion of the work shall not be removed from site without the written permission of the Engineer-in-charge.
- 7.3.10 The contractor shall submit original vouchers from the manufacturer for the total quantity of steel supplied under each consignment to be incorporated in the work. All consignment received at the work site shall be inspected by the Site staff along with the relevant documents before acceptance. The contractor shall obtain Original Vouchers and Test Certificates and furnish the same to the Engineer-in-Charge in respect of all the lots of steel brought by him from approved supplier to the site of work. The original vouchers and test certificates shall be defaced by the site staff and kept on record in the site office.
- 7.3.11 Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.
- 7.3.12 In case the contractor bring surplus quantity of steel, the same after completion of the work will be removed from the site by the contractor at his own cost after approval of the Engineer-in-Charge.
- 7.3.13 Reinforcement including authorized spacer bars and lappages shall be measured in length of different diameters as actually (not more than as specified in the drawings) used in the work nearest to a centimeter. Wastage and unauthorized overlaps shall not be measured.
- 7.3.14 The standard sectional weights referred to as in Table 4 in para 5.3.3 in CPWD Specifications will be considered for conversion of length of various sizes of M.S. Bars, Tor Steel Bars and T.M.T. bars into Standard Weight.
- 7.3.15 Records of actual Sectional weights shall also be kept dia-wise and lot-wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the Engineer-in-Charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be termed as Derived Actual Weight. However for the stipulated issue of steel reinforcement up to and including 10mm diameter bars, the actual weight of steel issued shall be modified to take into account the variation between the actual and the standard coefficients and the contractors' accounts will be debited by the cost of modified quantity.
- 7.3.16 a) If the Derived Weight as in sub-para (7.3.15) above is less than the Standard Weight as in Sub-para (7.3.14) above then the Derived Actual Weight shall be taken for payment.

b) If the Derived Actual Weight is found more than the Standard Weight, the Standard Weight as per in sub-para (7.3.14) above shall be taken for payment. In such case nothing extra shall be paid for the difference between, the Derived Actual Weight and the Standard Weight.

8.0 SPECIAL CONDITION FOR CEMENT CONCRETE:

- 8.1 The contractor has to arrange at site sufficient centering /shuttering before start of work. Only M.S. centering / shuttering and scaffolding material unless & otherwise specified shall be used for all R.C.C. work to give an even finish of concrete surface. However, marine-ply shuttering in exceptional cases as per site requirement may be used on specific request from contractor as approved by the Engineer-in-charge.
- 8.2 Nothing extra shall be paid for the centering & shuttering, circular in shape whenever the form work is having a mean radius exceeding 6m in plan.
- 8.3 In order to keep the floor finish as per architectural drawings and to provide required thickness of the flooring as per specifications, the level of top surface of R.C.C. shall be accordingly adjusted at the time of its centering, shuttering & casting for which nothing extra shall be paid to the Contractor.
- 8.4 As per general engineering practice, level of floors in toilet/bath, balconies, shall be kept 12 to 20mm as required lower than general floors, shuttering should be adjusted accordingly.
- 8.5 Drip course or moulding shall be provided in projected surfaces wherever specified.

The lean concrete, to be used in foundations base shall be mixed with mechanical mixtures.

9.0 PARTICULAR SPECIFICATIONS FOR RCC WORK: -

9.1 The Conditions & Specifications stated herein shall have precedence over all conditions & specifications stated in relevant I.S. Codes/ C.P.W.D, Specifications. The concrete mix shall be designed for the specified target mean compressive strength in order to ensure that work test result do not fall below the acceptance criteria specified for the concrete mix. The Contractor shall design mixes for each class of concrete indicating that the concrete ingredients and proportions will result in concrete mix meeting the requirements specified.

- (a) The contractor has to submit design mix with the use of admixtures.
- (b) Admixture to be added (by maintaining the minimum cement content & maximum W/C ratio) to meet the Workability / slump & requirement. Quoted rate will include the cost of admixtures used in the concreting work. Nothing extra shall be paid to the contractor on account of addition of admixtures.

9.2 The source of coarse aggregate, fine aggregate, water, admixture & cement to be used in concrete work shall be identified by the contractor & he will satisfy himself regarding their conforming to the relevant specifications and their availability before getting the approved from the Engineer-in-Charge.

- a) Coarse Aggregate As per CPWD Specifications
- b) Fine Aggregate As per CPWD Specifications
- c) Water It shall conform to requirements laid down in IS: 456-2000 (Para 5.4) or CPWD Specifications.
- d) Cement The contractor shall use 43 Grade Ordinary Portland Cement and/or Portland Pozzolona Cement of brand/make/source as specified in Tender Document for production of concrete. However, if the contractor uses higher grade of cement nothing extra shall be paid.
- e) Admixture/Plasticizer The admixture shall conform to IS: 9103 Whenever required, the admixture of approved quality & approved make only shall be used to attain the required workability. Nothing extra on account of use of Admixture/Plasticizer shall be payable.

9.3. Grade of Concrete: - The compressive strength of various grades of concrete with various parameters shall be as follows: -

Grade Designation	Compressive Strength on 15 cm Cubes Min. 7 Days (N/Mm ²)	Specified Characteristics Compressive Strength at 28 Days (N/Mm ²)	Minimum Cement Content (Kg. Per Cum)	Maximum Water Cement Ratio	Slump
(i) M-25	As per design	25	300	0.50	25-75
(ii) M-30	As per design	30	320	0.45	25-75

NOTE:-

- i) In the designation of a Concrete mix letter M refers to the mix and the number of the specified characteristic compressive strength of 15 cm - Cube at 28 days expressed in N/mm².
- ii) It is specifically highlighted that in addition to the above requirements, the maximum cement content for any grade shall be limited to 530 kg./cubic metre.
- iii) In case, Excess/less cement used than specified in this item is payable/recoverable separately @ Rs.4688/- per Ton.

9.4 The Contractor shall engage one of the following approved laboratories/ test house for designing the concrete mix in accordance with relevant IS Code and to conduct laboratory tests to ensure the target strength & workability criteria for a given grade of concrete: -

- i) Punjab Engineering College, Chandigarh.
- ii) NIT, Jalandhar. (Formerly known as REC, Jalandhar.)
- iii) IIT, New Delhi.
- iv) Chandigarh Engineering College, Sector 26, Chandigarh.
- v) National Institute of Technical Teacher Training and Reserch, Sector 26, Chandigarh.

The various ingredients for mix design/laboratory tests shall be sent to the lab / test houses through the Engineer-in-charge and the samples of such aggregates shall be preserved at site by the department.

In the event if all the five laboratories are unable to carry out the requisite design/ testing, the contractor may have it done any other laboratory with prior approval of the Chief Engineer.

9.5 The contractor shall submit the report on design 'mix from any of above approved laboratories for approval of Engineer in Charge within 30 days from the date of issue of letter of acceptance of the tender. No concreting shall be done until the design mix is approved. In case of White Portland Cement and the likely use of admixtures in concrete with ordinary Portland/White Portland Cement, the contractor shall design and test the concrete mix by using trial mixes with white cement and/ or admixtures also, for which nothing extra shall be payable.

9.6 In case of change of source or characteristic properties of the ingredients used in the concrete mix during the work, the contractor as per the directions of the Engineer-in-charge shall submit a revised laboratory mix design report conducted at laboratory established at site.

9.7 All cost of mix designing and testing, connected therewith, including charges payable to the laboratory shall be borne by the Contractor including redesigning of the concrete mix whenever required & as directed by Engineer-in-Charge.

9.8 The mix design for a specified grade of concrete shall be done for a target mean compressive strength $T_{ck} = F_{ck} + 1.65s$

Where F_{ck} = Compressive strength at 28 days.

S = Standard deviation which depends on degree of quality control.

The standard deviation for different grades of concrete shall be as follows:

GRADE OF CONCRETE	STANDARD DEVIATION
M-25	4
M-30	5

9.9 MEASUREMENT -

- (i) As per CPWD Specifications.
- (ii) In respect of all projected slabs at all levels including cantilever, canopy, the payment for the RCC work shall be made under the item RCC slabs. The payment for shuttering at the edges shall be **made under item of centering and shuttering for RCC slabs.** Nothing extra shall be paid for the side shuttering at the edge of these projected balconies/ projected verandah slabs.

9.10 TOLERANCES – As per CPWD Specifications.

9.11 RATES:-

- (i) The rate includes the cost of materials, labour and T&P, including mixing, placing, transportation involved in all the operations described above except for the cost of centering, shuttering & reinforcement which will be paid for separately.
- (ii) In case of rejection of concrete on account of unacceptable compressive strength, governed by para "Standard of Acceptance" as above, the work for which samples have failed shall be redone at the cost of contractor. However, the Engineer-in-charge may order for additional tests (like cutting cores, ultrasonic pulse velocity test, load test on structure or part of structure, etc) to be carried out at the cost of contractor to ascertain if the portion of structure wherein concrete represented by the sample has been used, can be retained on the basis of results of individual or combination of these tests. The Contractor shall take remedial measures necessary to retain the structure as approved by the Engineer-in-charge without any extra cost. However, for payment, the basis of rate payable to contractor shall be governed by the 28 days. cube test results and reduced rates shall be regulated in accordance with CPWD Specifications.

10.0 DEFECT / WATCH & WARD LIABILITY:

11.0

- 10.1 The contractor's liability during the defect liability period from the final date of completion as per clause 17 shall be limited to rectification of defects including replacement as follows which in the opinion of Engineer-in-Charge are not man made. The agency shall be responsible for watch and ward of completed work for the period upto the 'Defect liability Period' or till the physical possession is handed over to the other agency whichever is earlier. Nothing extra shall be payable on this account.

S. No.	Description	Defect Liability of the items, if executed under this contract.
(i)	Concrete	a) Rectification of structural/ superficial/ non-

		structural cracks.
		(b) Rectification of dampness/ seepage in base slab/ junctions & sunken portion.
		(c) Rectification of Slopes, uneven joints by relaying.
(ii)	Steel & Iron work	(a) Redoing of defective portion in fabrication welding etc.,
(iii)	General	(a) All manufacturing defects of structures/ fixtures/ fittings of Civil, PH & Electrical items other than listed above.

11 FOR COMPLIANCE UNDER ENVIRONMENT PROTECTION ACT 1986

- 11.1 Resident labour shall be provided with proper hygienic and ventilated accommodation.
- 11.2 The contractor shall provide adequate drinking water and sanitary facilities to the workers employed during the construction period. The contractor is responsible for making arrangements for the safe disposal of wastewater and solid wastes generated during the construction.
- 11.3 All the top soil excavated during construction activities should be stored as directed by the engineer in charge for further use in horticulture /landscape development work within the project site.
- 11.4 The contractor is responsible for making arrangements for the safe disposal of muck including excavated material during construction. It shall not create any adverse effects on the neighboring communities and disposed off taking the necessary precautions for general safety and health aspects, to the approved sites with the approval of competent authority.
- 11.5 Use of diesel generator sets during construction phase should be of low sulphur diesel type and should conform to Environment (Protection) rules prescribed for air and noise emission standards. The contractor shall submit the requisite permission from the CPCC for setting up the same.
- 11.6 Vehicles hired for bringing construction material at site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non peaking hours. The engineer in charge has the right to ban entry of such vehicle/ vehicles which, in the opinion of the Engineer in-charge is/are causing pollution to the environment. The decision of the EIC shall be final and binding to the contractor.
- 11.7 The agency shall ensure that the ambient noise levels should conform to residential standards both during day and night. The contractor shall submit the monitoring report of actual noise levels at site once in a quarter to the EIC. The monitoring shall be got executed from the Laboratory / consultant approved by MOEF.

- 11.8 The contractor is responsible for taking steps to avoid contamination of watercourses and ground water by such material like construction spoils including bituminous material and other hazardous materials. He shall be responsible to make secure dumps of such materials so that they should not leach into the ground water.
- 11.9 The contractor shall make provisions for the supply of kerosene or cooking gas / pressure cooker to meet with the cooking needs of the during construction phase. Burning of wood shall not be allowed under any circumstances.
- 11.10 The Environmental committee of the CHB or the members of the monitoring officials of the MOEF can inspect the labour camps as well as the construction site at any time. The contractor is responsible to bear the penalties or fines if any imposed for the violation of the provisions of the Environment Protection Act 1986. The decision of the EIC will be the final and binding over the contractor.
- 11.11 The contractor shall ensure that the constructional activities shall not cause dust pollution. He shall make arrangements for water sprinkling with in the 1 km radii of the project site to subsidize the dust.
- 11.12 A First Aid Room will be provided by the agency during construction.
- 11.13 All labour to be engaged for construction shall be screened for health and adequately treated before engaging them to work at the site.
- 11.14 For disinfection of waste water, the contractor will use ultra violet radiation and not chlorination.

Note: - The conditions of environment have been taken as per already executed project adjoining to site. If GOI imposed any additional condition, then the same will be applicable on this project.

PROFORMA OF SCHEDULES - FOR PH WORK

(Operative Schedules to be supplied separately to each of the intending tenderer)

SCHEDULE "A"

Schedule of Quantities for Work (Enclosed) which starts at **page 92**

SCHEDULE "D"

Extra schedule for specific requirements/documents for the work if any	Nil
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SCHEDULE "E"

Reference to General Conditions of contract of 2020 with amendments upto date

i)	Name of Work	"Renovation of 05 nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)".
ii)	Estimated cost of PH Work	Rs. 9,12,760/-
iii)	Earnest Money (Composite amount)	Rs. 80,000/-
iv)	Performance Guarantee	As mentioned in Civil Component
v)	Security Deposit	2.5% of tendered value

SCHEDULE "F"

Reference to General Conditions of Contract	GCC-2020 (Construction work) with latest amendments
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GENERAL RULES AND DIRECTIONS

Officers inviting tender :-	Executive Engineer-IV Chandigarh Housing Board, Chandigarh.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2, 12.3	Refer Clause-12.
Definitions	
2(v) Engineer-in charge	Executive Engineer-VI(PH) Chandigarh Housing Board, Chandigarh.

2(viii) Accepting Authority	Chandigarh Housing Board, Chandigarh.
2(x) Percentage on cost of materials and labour to cover all overheads and profit	15 %
2(xi) Standard Schedule of Rates	Delhi Schedule of Rates DSR- 2021 (Updated) with correction slips issued up to the last day of the last date of submission of bid.
2(xii) Department	Chandigarh Housing Board, Chandigarh
2(xiii) Specifications	CPWD Latest specifications with latest amendments and as specified in Tender Document
9(ii) Standard CPWD Contract form	GCC-2020, CPWD form 7, as modified & corrected up to last date of receipt of tender.
Clause 1	
i) Time allowed for submission of Performance Guarantee, programme chart (Time and progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board or proof of applying there of from the date of issue of letter of acceptance	7 Days
ii) Maximum allowable extension beyond the period provided in (i) above. Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above	15 Days
Clause 2	
Authority for fixing compensation under clause-2	Superintending Engineer, CHB
Clause 2A	
Whether Clause 2A shall be applicable	No
Clause 5	
Number of days from the date of issue of letter of acceptance for reckoning date of start Mile stone(s)	10 Days

as per table given at			
(i)	Time allowed for execution of work		90 Days
Authority to decide:-			
(i)	Extension of time		Superintending Engineer, CHB in Charge of Major Component
ii)	Rescheduling of mile stones		Superintending Engineer, CHB in Charge of Major Component
iii)	Shifting of date of start in case of delay in handing over of site		Superintending Engineer, CHB in Charge of Major Component
PROFORMA OF SCHEDULES Clause 5 Schedule of handing over of site			
Part	Portion of site	Descrip tion	Time Period for handing over reckoned from date of issue of letter of intent.
Part-A	Portion without any hindrance	100%	07 Days
Part-B	Portions with encumbrances	NIL	-
Part-C	Portions dependent on work of other agencies	NIL	-
Clause 7			
Gross work to be done together with net payment/ adjustment of advances for materials collected, if any, since the last such payment for being eligible to interim payment.		Rs.1,00,000/- subject to one payment per month.	
Clause 7A			
Whether Clause 7A shall be applicable Clause 7A		Yes	
Clause 8A			
Authority to decide compensation on account, if Contractor fails to submit completion plans.		Executive Engineer in charge of Major Component Component	
Clause 10 A			
List of testing equipments to be provided by the contractor at site lab.			

Equipments for Testing of Materials & Concrete at Site Laboratory

All necessary equipment for conducting all necessary tests shall be provided at the site laboratory by the contractor at his own cost. The following minimum laboratory equipments shall be set up at site office laboratory:-

Sl. No.	Equipment	Numbers (Minimum)
	(To be incorporated by the Engineer-in-charge as per requirement of work vis-à-vis provisions of CPWD Works Manual 2019/SOP	
Clause 10 B		
	Whether Clause 10 B (i) shall be Applicable	Not Applicable.
	Whether Clause 10 B (ii) shall be Applicable	Not Applicable.
	Whether Clause 10 B (iii) shall be Applicable.	Not Applicable.
Clause 10 C Component of labour expressed as percent of value of work		Not applicable,
Clause 10 CC		Not Applicable
Clause 11		
	Specification to be followed for execution of work.	CPWD Specifications with correction slips upto date.
Clause 12		
	Type of work	Original Work
	12.2 & 12.3	
	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for Minor Component i.e. PH-Building work.	100%

Clause 16	
Competent authority for deciding reduced rates.	Superintending Engineer, CHB
Clause 18	
List of mandatory machinery, Tools & Plants to be deployed by the contractor at site	(i) Steel shuttering & Scaffolding. (ii) Safety equipment/instruments etc.
Clause 19 Labour Laws to be complied by the Contractor (in case contractor fails to comply, make arrangement and provide necessary facilities etc.)	
Clause 19 C	Rs. 500/- penalty for each default
Clause 19 D	Rs. 500/- penalty for each default
Clause 19 G	Rs. 500/- penalty for each default
Clause 19 K	Rs. 500/- penalty for each default
Clause 25	
Settlement of Dispute by Conciliation and Arbitration :	CEO, CHB Conciliator,
Clause 32 Requirement of Technical representatives and Recovery rates	N A
Clause 38	
(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Ratesprinted by C.P.W.D.	Delhi Schedule of Rates DSR-2021(Updated) with correction slips issued up to the last day of the last date of submission of bid.

ii) Variations permissible on theoretical quantities:	
(a) Cement For works with estimated cost put to tender not more than Rs. 25 lakh.	3% plus/minus
For works with estimated cost put to tender more than Rs. 25 lakh.	2% plus/minus
(b) Bitumen All Works	2.5% plus & only & nil on minus side
(c) Steel Reinforcement and structural steel sections for each diameter, section and category	2% plus/minus
(d) All other materials.	Nil

1/2

ABSTRACT OF COST

**Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at
Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work).**

PH- Component

S. No.	Description of item	Sub Head Total (Rs.)
Sub Head : A Item No.1	Earth Work	9297
Sub Head : B Item No. 2	Concrete	4831
Sub Head : C Item No. 3	Reinforced Cement Concrete Work	6892
Sub Head : D Item No. 4	Finishing	2527
Sub Head : E Item No. 5 to 27	Sanitary Installation	643065
Sub Head : E Item No. 28 to 34	Water Supply	246148
Total		912760

**Schedule of quantities for the work of Renovation of 5 Nos. Toilets, Pump House and Roof Terrace work at Chandigarh Hotel Beckons
in Sector-42, Chandigarh (Composite Work)**

(PH-Component).

S. No.	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount
Sub Head : A Item No. 1	Earth Work				
1	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed , within a lead of 50m:				
	All kinds of soil				
	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	31.10	Mtr	298.93	9297
Sub Head : B Item No. 2	Concrete				
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-All work up to plinth level:				
	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources).	0.62	cum	7791.45	4831

S. No.	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount
Sub Head :C Item No. 3	Reinforced Cement Concrete Work				
3	Centering and shuttering including strutting, propping etc. and removal of form for all heights :				
	Columns, Pillars, Piers, Abutments, Posts and Struts,	8.10 sqm	sqm	850.81	6892
Sub Head : D Item No. 4	Finishing				
4	12 mm cement plaster of mix :				
	1 : 4 (1 cement : 4 fine sand)	8.10 sqm	sqm	311.95	2527
Sub Head : E Item No. 5 to 27	Sanitary Installation				
5	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	2 Nos.	each	6116.02	12232
6	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	16 Nos	each	937.58	15001
7	Providing and fixing soil, waste and vent pipes :				
	100 mm dia.				

S. No.	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount
	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	32.00 Mtr	Mtr	1139.74	36472
	coated inside & outside IS:15905				
	75 mm dia.				
	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	16.50 Mtr	Mtr	1102.46	18191
8	Providing and fixing plain bend of required degree				
	100 mm dia				
	Sand cast iron S&S as per IS : 3989	1 No.	each	465.15	465
9	Providing and fixing heel rest sanitary bend				
	100 mm dia				
	Sand cast iron S&S as per IS : 3989	2 No.	each	465.15	930
10	Providing and fixing door piece, insertion rubber washer 3mm thick, bolts & nuts complete :				
	100 mm dia				
	Sand cast iron S&S as per IS - 3989	1 No.	each	646.37	646
11	Providing and fixing collar				
	100 mm				
	Sand cast iron S&S as per IS - 3989	5 No.	each	465.15	2326
	75 mm				

S. No.	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount
	Sand cast iron S&S as per IS - 3989	3 No.	each	287.15	861
12	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :				
	100 mm	12 No.	each	581.48	6978
	75 mm	6 No.	each	493.42	2961
13	Providing and fixing trap of self cleansing design with or without vent arm complete, including cost of cutting and making good the walls and floors				
	100 mm inlet and 75 mm outlet	1 No.	each	1767.74	1768
	Sand cast iron S&S as per IS - 3989				
14	Cutting chases in brick masonry walls for following diameter sand cast iron/centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :				
	50 mm dia	20 Mtr	Mtr	304.13	6083
15	Providing and fixing Soap dispenser Push Button type of Capacity 0.80 ltrs of ABS material , fixed to the walls with cleats and C.P. brass screw including cutting and making good the walls where ever required complete in all respects to the entire satisfaction of Engineer-in-charge.	10 No.	each	1597.00	15970

S. No.	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount
16	Providing and fixing fully automatic "No Touch" hand drier flash touch free infrared hand drier with 1150V rated power and carbon brush motor of Stain less steel body complete in all respects to the entire satisfaction of Engineer-in Charge	5 No.	each	10490.40	52452
17	Providing and fixing C.P. Towel ring round complete in all respects to the entire satisfaction of Engineer-in-charge.	10 No.	each	1726.90	17269
18	Providing and fixing single piece white vitreous china water closet (European type) with UF soft close slim seat cover ,hinges, dual flush cistern fitting, fixing accessories and accessory set complete, including cutting and making good the walls and floors wherever required	5 Nos	each	27622.10	138111.
19	Providing and fixing white vitreous china flat back half stall urinal of Size 385x325x635 mm with fixing accessories ,CP spreader etc complete in all respects to the entire satisfaction of Engineer-in Charge.	6 Nos	each	10318.70	61912.
20	Providing and fixing curved shaped Urinal partition with frosted glass of thickness 8mm of Size 900x450mm fixed with expandable anchor fasteners with CP brass Bolts and washers, embedded in wall and set in concrete including cutting and making good the walls where ever required complete in all respects to the entire satisfaction of Engineer-in Charge.	6 Nos	each	6004.40	36026

S. No.	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount
21	Providing, Fixing, testing and commissioning of automatic flushing system comprising of sensor concealed type flushing valve for urinal complete set with installation box with control cock (battery operated) as approved by Engineer-in-charge. The system shall flush the urinal after use automatically.	6 Nos	each	10897.10	65383
22	Providing and fixing white wash basin with 32 mm C.P. brass waste of standard pattern and making good on the counter slab wherever required complete in all respects to the entire satisfaction of Engineer-in Charge.				
	White Vitreous China table top Wash Basin Size 625 mm x 410 mm x 120 mm	10 Nos	each	9476.50	94765
23	Providing and fixing Toilet paper holder with flap recessed type Stainless steel complete in all respects to the entire satisfaction of Engineer-in-charge.	5 Nos	each	1935.00	9675
24	Providing and fixing Cockroach trap of Salem stainless steel Heavy quality size 5" dia weight 280 gms complete in all respect to the entire satisfaction of Engineer-in-Charge	25 Nos	each	391.50	9788
25	Providing and fixing in position C.P. Brass overhead Shower round shape with single flow , ABS body with 190mm long arm with wall flange complete in all respect to the entire satisfaction of Engineer-in-charge. Size 15 mm i/d	5 Nos	each	3701.60	18508
26	Providing and fixing in position C.P. Brass Health Faucet with 1 meter long easy flex tube and wall hook with NRV complete in all respect to the entire satisfaction of Engineer-in-charge. Size 15 mm	5 Nos	each	1474.20	7371

S. No.	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount
27	Providing and fixing looking mirror size 760 X450 with 4 Nos. studs complete to the entire satisfaction of the Engineer-in-Charge and as per requirement of site.	10 Nos	each	1092.10	10921
Sub Head : E Item No. 28 to 34	Water Supply				
28	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
	15 mm nominal dia Pipes	175 Mtr	Mtr	466.64	81662
	20 mm nominal dia Pipes	14 Mtr	Mtr	543.46	7608
	32 mm nominal dia Pipes	34 Mtr	Mtr	753.98	25635
29	Providing and fixing plasticized PVC connection pipe with brass unions :				
	45 cm length				
	15 mm nominal bore	28 Nos	each	90.09	2523
30	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge	38 Nos	each	65.29	2481

S. No.	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount
31	Providing and fixing C.P. brass bib cock with wall flange of standards design & approved make complete in all respects to the entire satisfaction of Engineer-in Charge.				
	15 mm nominal bore	12 Nos	each	2025.90	24311
32	Providing and fixing C.P. brass angle cock with wall flange of approved make complete in all respects to the entire satisfaction of Engineer-in Charge.				
	15mm nominal bore	27 Nos	each	1243.80	33583
33	Providing and fixing C.P. Brass pillar tap auto closing system with 65 extension body complete in all respects to the entire satisfaction of Engineer-in Charge.	10 Nos	each	3943.70	39437
34	Providing and fixing C.P brass stop cock (concealed) of standard design and of approved make complete in all respects to the entire satisfaction of Engineer-in Charge.				
	15 mm dia nominal bore	10 metre	metre	2890.80	28908
	Total				912760

**APPROVED MAKES OF VARIOUS ITEMS (WHEREVER PRESCRIBED)
FOR USE UNDER THIS CONTRACT**

PH COMPONENT: -

Sr. No.	Description of Item	Makes
1	White Vitreous Chinaware Wash basin	JAQUAR (LYRIC-LYS WHT 38931)
2	EWC with Solid plastic seat & Lid	JAQUAR (LYRIC-LYS WHT 38751S)
3	CP Brass Fixtures & Fittings	JAQUAR (Lyric)
4	Centrifugally Cast (Spun) iron pipes & fittings (IS 3989)	NECO or any other reputed make
5	HCI Gully Trap	NIF/NIC/NECO/HTM
6	CPVC Pipes (ISI Marked) & Fittings,	ASTRAL / ASHIRWAD /AJAY/ SUPREME /JAIN irrigation
7	GI Fittings (ISI Marked)	AVR, R, NVR
8	Brass fitting (ISI Marked) i.e. Brass stop cock, Brass ball valve	KPR, PRIMA or Any other reputed make

Mile stone Programmer (P.H. Component)
(In Physical Terms)

S. No.	Description of Milestone (Physical)				Time allowed in Days (from date of start)	Amount to be with-held in case on non achievement of respective milestone.
1	1st Quarter					
	S. No	Description	During the quarter	Cumulative	22 days	0.63% of Tendered Amount
	1.	Earth Work	50%	50%		
	2.	Concrete	25%	25%		
	3.	Reinforced Cement Concrete Work	25%	25%		
	4.	Finishing	10%	10%		
	5.	Sanitary Installation	25%	25%		
	6.	Water Supply	10%	10%		
2.	2nd Quarter					
	S. No	Description	During the quarter	Cumulative	45 days	1.83% of Tendered Amount
	1.	Earth Work	25%	75%		
	2.	Concrete	25%	50%		
	3.	Reinforced Cement Concrete Work	35%	60%		
	4.	Finishing	20%	30%		
	5.	Sanitary Installation	25%	50%		
	6.	Water Supply	25%	35%		
3	3rd Quarter					
	S. No	Description	During the quarter	Cumulative	68 days	1.42% of Tendered Amount
	1.	Earth Work	15%	90%		
	2.	Concrete	15%	65%		
	3.	Reinforced Cement Concrete Work	20%	80%		
	4.	Finishing	30%	60%		
	5.	Sanitary Installation	25%	75%		
	6.	Water Supply	25%	60%		

4	4th Quarter					
	S. No	Description	During the quarter	Cumulative		
	1.	Earth Work	10%	100%		
	2.	Concrete	35%	100%		
	3.	Reinforced Cement Concrete Work	20%	100%		
	4.	Finishing	40%	100%		
	5.	Sanitary Installation	25%	100%		
	6.	Water Supply	40%	100%		
					90 days	1.12% of Tended Amount

General/Specific Conditions for Minor Component (Public Health) of work as applicable.

A: General/Specific Conditions for Major Component of work is also be applicable to Minor work.

Note: The order of preference in case of any discrepancy may be read as the following:-

- a. Nomenclature of items as per schedule of quantities.
- b. Particular specification and special condition, if any.
- c. CPWD specifications.
- d. Architectural Drawings.
- e. Indian standard specifications of B.I.S.
- f. Sound Engineering Practice.
- g. GCC.
- h. CPWD Manual.

B: General/Specific Conditions for Public Health Component in addition to S. No. A above.

1. General

- 1.1. **General/Specific Conditions for major Component of work shall be applicable to the Public Health component.**
- 1.2. Water tanks, taps: sanitary, water supply and drainage pipes, fittings and accessories should conform to byelaws of municipal body / corporation where CPWD Specifications are not applicable. The contractor should get the materials (fixtures/fittings) tested by the Municipal Body/ Corporation authorities wherever required at his own cost.
- 1.3. The contractor shall use the white cement with pigment to match the shade of flooring/ dado and for installation of P.H./ Electrical fixtures where ever required without claiming anything extra.
- 1.4. On completion of work, the contractor shall submit at his own cost four prints of "as built" drawings to the Engineer-in-Charge. These drawings shall have the following information.
 - a) Run off of all piping and their diameters including soil, waste pipes and vertical stacks.
 - b) Ground and invert level of all drainage pipes together with locations of all manholes and connections, up to out fall.
 - c) Run off of all water supply lines with diameters, location of control valves, access panels etc.

In case the contractor fails to supply "as built drawing" aforesaid within 30 days of the date of completion, then the recovery @ Rs.10,000/- each for such set of drawings shall be made from the contractor's final bill.

- 1.5. All china ware to be used on the work shall be of first quality.

- 1.6. The layout of sanitary & Electrical installation can be changed at any stage if required by the concerned Executive Engineer and no claim in this connection will be entertained. However, the payment shall be made as per actual work done.
- 1.7. Pre-cast concrete G.T./I.C./Haudi covers and frames shall have CHB logo and brand name engraved on them.
- 1.8. All the hidden items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested before covering.
- 1.9. All the hidden items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested before covering.

PROFORMA OF SCHEDULES - FOR ELECTRICAL WORK

(Operative Schedules to be supplied separately to each of the intending tenderer)

SCHEDULE "A"

Schedule of Quantities for Work (Enclosed) which starts at page 110

SCHEDULE "D"

Extra schedule for specific requirements/documents for the work if any	Nil
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SCHEDULE "E"

Reference to General Conditions of contract of 2020 with amendments upto date

i)	Name of Work	"Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)".
ii)	Estimated cost of Electrical Work	Rs.1,62,592/-
iii)	Earnest Money (Composite amount)	Rs. 80,000/-
iv)	Performance Guarantee	3% of tendered value
v)	Security Deposit	2.5% of tendered value

SCHEDULE "F"

Reference to General Conditions of Contract	GCC-2020 (Construction work) with latest ammendments
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GENERAL RULES AND DIRECTIONS

Officers inviting tender :-	Executive Engineer-IV Chandigarh Housing Board, Chandigarh.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined n accordance with Clause 12.2, 12.3	Refer Clause-12.
Definitions	
2(v) Engineer-in charge	Executive Engineer-V(Elect.) Chandigarh Housing Board, Chandigarh.
2(viii) Accepting Authority	Chandigarh Housing Board, Chandigarh.
2(x) Percentage on cost of materials and labour to cover all overheadsand profit	15 %
2(xi) Standard Schedule of Rates	Delhi Schedule of Rates DSR (E & M)-2022

2(xii) Department	Chandigarh Housing Board, Chandigarh		
2(xiii) Specifications	CPWD Latest specifications with latest amendments and as specified in Tender Document		
9(ii) Standard CPWD Contract form	GCC-2020, CPWD form 7, as modified & corrected up to last date of receipt of tender.		
Clause 1			
i) Time allowed for submission of Performance Guarantee, programme chart (Time and progress)and applicable labour licenses , registration with EPFO, ESIC and BOCW welfare board or proof of applying there of from the date of issue of letter of acceptance	7 Days		
ii) Maximum allowable extension beyond the period provided in (i) above. Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above	15 Days		
Clause 2			
Authority for fixing compensation under clause-2	Superintending Engineer, CHB		
Clause 2A			
Whether Clause 2A shall be applicable	No		
Clause 5			
Number of days from the date of issue of letter of acceptance for reckoning date of start Mile stone(s) as per table given at	10 Days		
(i) Time allowed for execution of work	90 Days		
Athority to decide:-			
i) Extention of time	Superintending Engineer		
(ii) Rescheduling of mile stones	Superintending Engineer		
(iii) Shifting of date of start in case of delay in handing over of site	Superintending Engineer		
PROFORMA OF SCHEDULES			
Clause 5 Schedule of handing over of site			
Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent.
Part-A	Portion without any hindrance	100%	07 Days
Part-B	Portions with encumbrances	NIL	-
Part-C	Portions dependent on work of other agencies	NIL	-

Clause 7		
Gross work to be done together with net payment/ adjustment of advances for materials collected, if any, since the last such payment for being eligible to interim payment.		Rs.50000/- subject to one payment per month.
Clause 7A		
Whether Clause 7A shall be applicable Clause 7A		Yes
Clause 8A		
Authority to decide compensation on account, if Contractor fails to submit completion plans.		Executive Engineer in Charge of Major Component.
Clause 10 A		
List of testing equipments to be provided by the contractor at site lab.		
Equipments for Testing of Materials & Concrete at Site Laboratory		
All necessary equipment for conducting all necessary tests shall be provided at the site laboratory by the contractor at his own cost. The following minimum laboratory equipments shall be set up at site office laboratory:-		
Sl. No.	Equipment	Numbers (Minimum)
	(To be incorporated by the Engineer-in-charge as per requirement of work vis-à-vis provisions of CPWD Works Manual 2019/ SOP	
Clause 10 B		
Whether Clause 10 B (i) shall be Applicable		Not Applicable.
Whether Clause 10 B (ii) shall be Applicable		Not Applicable.
Whether Clause 10 B (iii) shall be Applicable.		Not Applicable.
Clause 10 C		
Component of labour expressed as percent of value of work		Not applicable,
Clause 10 CC		Not Applicable
Clause 11		
Specification to be followed for execution of work.		CPWD Specifications with correction slips upto date.
Clause 12		
Authority to decide deviation upto 1.25 times of tendered amount.		Executive Engineer
Authority to decide deviation beyond 1.25 times upto 1.5 times of tendered amount.		SE/CE
12.2 & 12.3		
Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for Electrical work.		100%
12.5		
(i)	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation Work (except items mentioned in earth work subhead in DSR and related items)	100%
(ii)	Deviation limit for items in earth work sub head of	100%

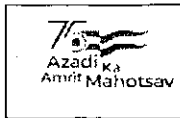
DSR and related items	
Clause 16	
Competent authority for deciding reduced rates.	Superintending Engineer, CHB
Clause 18	
List of mandatory machinery, Tools & Plants to be deployed by the contractor at site	All Elect. Tool & Plants etc.
Clause 19 Labour Laws to be complied by the Contractor (in case contractor fails to comply, make arrangement and provide necessary facilities etc.)	
Clause 19 C	Rs. 500/- penalty for each default
Clause 19 D	Rs. 500/- penalty for each default
Clause 19 G	Rs. 500/- penalty for each default
Clause 19 K	Rs. 500/- penalty for each default
Clause 25	
Settlement of Dispute by Conciliation and Arbitration:	CEO, CHB Conciliator,
Clause 32 Requirement of Technical representatives and Recovery rates	Not applicable
Clause 38	Not applicable

ABSATRACT OF COST

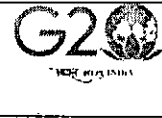
**Name of Work:- "Renovation of 05 Nos. Toilets, Pump House and Roof Terrace
repair work at Hotel Chandigarh Beckons Sector-42,
Chandigarh (Composite work)"**

Electrical Component

Sr. No.	Description	Amount
1.	Sub Head A Item No. 1 to 9	
	WIRING	Rs.60,484/-
2.	Sub Head B Item No. 10 to 13	
	FIRE DETECTION AND ALARM SYSTEM	Rs.1,02,108/-
	Total	Rs.1,62,592 /-



Renovation of 05 nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)



SCHDULE OF QUANTITIES “RENOVATION OF 05 NOS. TOILETS, PUMP HOUSE AND ROOF TERRACE REPAIR WORK AT HOTEL CHANDIGARH BECKONS SECTOR-42, CHANDIGARH (COMPOSITE WORK)”.

S. No.	DESCRIPTION OF ITEMS	Qty.	Unit	Rate	Amount	
Sub Head A:-item No. 1 to 9	WIRING					
1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	34.00	Mtr	Metre	298.00	10,132.00
2	Rewiring for light point/ fan point/ exhaust fan point/ call bellpoint with 1.5 sq.mm FRLS PVC insulated copper conductorsingle core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/recessed steel/PVC conduit including dismantling as required.					
	Group A	34	Point	Point	624.00	21,216.00
3	Circuit/submain wiring in steel conduit:					

	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surfacerecessed steel/ PVC conduit as required.					
(i)	1 x 1.5 sq. mm	20.00	Mtr	Metre	48.00	960.00
(ii)	3 x 2.5 sq. Mm	38.00	Mtr	Metre	148.00	5,624.00
4	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
	25 mm	30.00	Mtr	Metre	158.00	4,740.00
5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
(i)	5/6 amps switch	41.00	Nos.	Each	112.00	4,592.00
(ii)	3 pin 5/6 A socket outlet	7.00	Nos.	Each	132.00	924.00
6	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required					
(i)	4 Module (125mmX75mm)	1.00	Nos.	Each	373.00	373.00
(ii)	6 Module (200mmX75mm)	3.00	Nos.	Each	435.00	1,305.00
(iii)	8 Module (125mmX125mm)	4.00	Nos.	Each	492.00	1,968.00

7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	5.00	Nos.	Each	634.00	3,170.00
8	Supplying and fixing 3 pin, 5 amp. ceiling rose on the existing junction box/ wooden block including connection etc as required.	20	Nos.	Each	94.00	1,880.00
9	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	16	Nos.	Each	225.00	3,600.00
Sub Head B:-item No. 10 to 13	FIRE DETECTION AND ALARM SYSTEM					
10	Supply, installation, testing & commissioning of smoke detector with builtin LED and mounting bass complete with all connections etc.as required.	5	Nos.	Each	1257.00	6,285.00
11	Supply & laying of 2x1.5 sqmm fire survival armoured cable, 600/1000V rated with annealed copper conductor having glass mica fire barrier type covered by an extruded layer of Cross Linkable Ethylene Propylene Rubber (EPR) instalation and LSZH inner bedding, steel wire armouring & LSZH outer sheath complete as required.	30.00	Mtr	Metre	391.00	11,730.00



12	Supply of Energy efficient LED downlighter fitting, Philips make (model no. DN296B LED12S-6500 PSU WH) or equivalent from Cromplon/Wipro/ Bajaj make to the entire satisfaction of the Engineer-in-Charge.	29	Nos.	Each	2402.00	69,658.00
13	Supply and Errection of Havells make Ventil Air DX 5 Blade 250mm Exhaust Fan in the existing oppening, including making good the damage; connection, testing, commissioning etc. as required.	5	Nos.	Each	2887.00	14,435.00
	Total					1,62,592.00

2/5

**APPROVED MAKES OF VARIOUS ITEMS (WHEREVER PRESCRIBED)
FOR USE UNDER THIS CONTRACT**

Sr. No.	Items	Make
1	PVC Pipe (ISI marked) IS: 9537	Diplast/ AKG/ Polypack/BEC Plast
2	PVC copper FRLS wires (ISI marked)	Finolex/ Grandlay/ Lapp Cables / RR Kables
3	5/6 amps, Switch one way/two way & 15/16 amp, One way Switch (ISI marked), 5/6 amps & 15/16 amps socket out let (ISI marked)	ABB (Tvisha)/ Legrand (Arteor)/ Schneider (Livia)
4	Ceiling Rose (ISI marked), Button Holder	Precision/ Fine
5	LED Down Lighter	Philips/Crompton/Wipro/Bajaj/Panas onic
6	Exhaust Fan	Havels/ Khaitan/ Usha
7	Smoke Detector	Honeywell/ SIEMENS / Schneider

**Mile stone Programmer
(In Physical Terms)
Electrical work**

S. No.	Description of Milestone (Physical)				Time allowed in Days (from date of start)	Amount to be withheld in case on non achievement of respective milestone.
1	1st Quarter					
	S. No	Description	During the quarter	Cumulative	22.5 days	0.63% of Tended Amount
	1.	WIRING	2%	2%		
	2.	FIRE DETECTION AND ALARM SYSTEM	18%	18%		
2	2nd Quarter					
	S. No	Description	During the quarter	Cumulative	45 days	1.83% of Tended Amount
	1.	WIRING	30%	32%		
	2.	FIRE DETECTION AND ALARM SYSTEM	40%	58%		
3	3rd Quarter					
	S. No	Description	During the quarter	Cumulative	67.5 days	1.42% of Tended Amount
	1.	WIRING	35%	67%		
	2.	FIRE DETECTION AND ALARM SYSTEM	25%	83%		
4	4th Quarter					
	S. No	Description	During the quarter	Cumulative	90 days	1.12% of Tended Amount
	1.	WIRING	33%	100%		
	2.	FIRE DETECTION AND ALARM SYSTEM	17%	100%		

NE

General/Specific Conditions for Minor Component of work as applicable.

A: General/Specific Conditions for Major Component of work is also be applicable to Minor work.

Note: The order of preference in case of any discrepancy may be read as the following:-

- a. Nomenclature of items as per schedule of quantities.
- b. Particular specification and special condition, if any.
- c. CPWD specifications.
- d. Architectural Drawings.
- e. Indian standard specifications of B.I.S.
- f. Sound Engineering Practice.
- g. GCC.
- h. CPWD Manual.

B: General/Specific Conditions for Electrical Component in addition to S. No. A above.

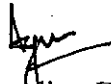
1. General

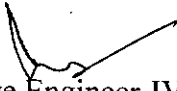

- 1.1. A copy of electrical contractor's license, duly endorsed by Chief Electrical Inspector U.T., shall be submitted by the firm at the time of allotment of the work.
- 1.2. All the hidden items such as conduits etc. are to be properly tested before covering.

Financial Bid for the work Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work).


Part	Description	Amount
I	"Renovation of 05 Nos. Toilets, Pump House and Roof Terrace repair work at Hotel Chandigarh Beckons Sector-42, Chandigarh (Composite work)" (DNIT AMOUNT)	
	Civil Work	Rs.29,17,180.00
	P.H. Work	Rs. 9,12,760.00
	Elect. Work	Rs.1,62,592.00
	Total	Rs.39,92,532.00
I/we will charge % (in figures) i.e ^{(a)*} percent (in words) ^{(b)*} (write above or below) on the total Composite cost of Rs.39,92,532/- (Rs. Thirty Nine Lakh Ninety Two Thousand Five Hundred Thirty Two only) . The overall amount of the Tender comes out to be Rs. _____ (in figures) (Rs. _____ ^{(c)*} (in words) with my quoted Rates.		
* Note:		
1.	For filling up the portion marked (a)* above the agency is to quote the percentage in figure and words. Percentage is to be quoted up to three digits after decimal.	
2.	For filling up the portion marked (b)* above, the agency is to quote either above or below	
3.	For filling up the portion marked (c)* above the agency is to quote the amount in figures and words.	
4.	In case of any ambiguity or difference between the quoted percentage and amount, the amount worked out at '(c)' above will be considered as correct and the percentage will be considered accordingly.	
	Dated	Signature of the Bidder (s)

4/s


 Superintending Engineer-II
 Chandigarh Housing Board
 Chandigarh


 Executive Engineer-IV
 Chandigarh Housing Board,
 Chandigarh 

This NIT containing 118 pages as per Index amounting **Rs.39,92,532/- (Rs. Thirty Nine Lakh Ninety Two Thousand Five Hundred Thirty Two only)** is hereby approved.


 Chief Engineer
 Chandigarh Housing Board
 Chandigarh 