



भा. कृ. अनु. प. –केन्द्रीय शुष्क क्षेत्र अनुसंधान संस्थान
ICAR - Central Arid Zone Research Institute
जोधपुर / Jodhpur (राजस्थान / Rajasthan) 342 003

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F. No. 7(3)White Wash Contract/20-21/Adm.V

Dated: 18.09.2020

INVITATION TO ONLINE TENDER FOR ANNUAL RATE CONTRACT FOR ENGAGEMENT OF AGENCY FOR CARRYING OUT OF WHITE WASHING, PAINTING AND REPAIRS AND MAINTENANCE WORKS UNDER A.R.C. AT C.A.Z.R.I., JODHPUR

- | | | | |
|----|---|---|----------------------------|
| 1 | Date of start of downloading the tender document | : | 18.09.2020 from 04.00 p.m. |
| 2. | Last date and time for downloading of tender form | : | 05.10.2020 upto 04.00 p.m. |
| 3. | Last date and time for submission | : | 06.10.2020 at 11.00 a.m. |
| 4. | Date and time for opening the technical bids | : | 07.10.2020 at 11.00 a.m. |

Note: The tender form and other details are available on CAZRI's website www.cazri.res.in & CPPP. The interested Agency/Contractor/firm of repute may download the tender document from above websites and upload the same after completing in all respect in the e-procure.gov.in portal as per guidelines mentioned in the portal by or before the due date & time.

From:-

Assistant Administrative Officer,
Adm-V, CAZRI,
Jodhpur 342 003

To

M/s _____

Sub:- E-tender for Annual Rate Contract for Carrying out of Whitewashing, Distempering, Painting and Minor repairs & maintenance of CAZRI, Jodhpur-regd.

Note: The tender form and other details are available on CAZRI's website www.cazri.res.in & CPPP. The interested Agency/Contractor/firm of repute may download the tender document from above websites and upload the same after completing in all respect in the e-procure.gov.in portal as per guidelines mentioned in the portal by or before the due date & time.

Sir,

On behalf of the Director, ICAR-CAZRI, Jodhpur E-tender(s) are invited from interested Agency/Contractor/firm of repute for **Carrying out of Whitewashing, Distempering, Painting and Minor repairs & maintenance of CAZRI, Jodhpur under Annual Rate Contract (ARC)**. Other details and Terms & Conditions are enclosed herewith as Annexure-I & II.

2. The bid along with the necessary documents is to be uploaded in the e-procure.gov.in portal as per guidelines mentioned in the portal by or before **Due Date i.e. 06.10.2020 up to 11.00 A.M.**

3. The bid is to be opened on **Due Date i.e. 07.10.2020 at 11.00 A.M.** at ICAR-CAZRI, Jodhpur by the Committee members in presence of the representative of Contractors/Agency/firm those submitted/uploaded their bids.

4. **Aspiring Bidders:** who have not enrolled/registered in e-procurement should enrol/ register before participating in the tender through the website <https://eprocure.gov.in/eprocure/app>. The portal enrolment is free of cost.

Yours faithfully,

ASSISTANT ADMINISTRATIVE OFFICER

Enclosed: Annexure- I i.e. Technical Bid (प्रपत्र- अ से ल) & Annexure-II i.e. Financial.

Annexure-I**तकनीकी बिड**
(प्रपत्र- अ)**फर्म/ठेकेदार का विवरण**

1. निविदादाता ठेकेदार/फर्म/एजेन्सी के प्रोप्राइटर का नाम :
2. निविदादाता ठेकेदार/फर्म/एजेन्स का नाम व पता :

मैसर्स

3. (अ) टेलीफोन नं. कार्यालय: निवास: मोबाइल नं.
 (ब) ई.मेल पता :

4. ठेकेदार/फर्म/एजेन्सी का विवरण :
 (साझेदारी डीड/संविधान यदि सोसाइटी है तो)

5. अधिकृत डीलरशिप/एजेन्सी का प्रमाणपत्र नम्बर :

6. आयकर विभाग द्वारा निर्गत पैन (PAN) नम्बर :

7. केन्द्रीय उत्पाद शुल्क विभाग द्वारा निर्गत सर्विस टैक्स नम्बर/GST :

8. फर्म/ठेकेदार के बैंक का नाम व पता :
 बैंक का आई.एफ.एस.सी. कोड नम्बर : बैंक खाता नम्बर:
 (सही सूचना के लिए बैंक की छाया प्रति संलग्न करें)

9. निविदा शुल्क रु. 500/- रसीद नम्बर/डी0डी0 : दिनांक:
 यदि डी.डी./बैंकर चेक है तो ICAR Unit-CAZRI के पक्ष में

10. धरोहर राशि (Earnest Money Deposit) रु. **30,000/-** ICAR Unit-CAZRI, के पक्ष में

डी.डी./बैंकर चेक नं. दिनांक बैंक का नाम

11. विस्तृत जानकारी हेतु देखें काजरी वेबसाइट: **www.cazri.res.in and CPP Portal.**

Signature of Proprietor/ representative of the firm with seal

तकनीकी बिड
(प्रपत्र-ब)

INSTRUCTION FOR ONLINE BIDS SUBMISSION :

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL: <http://eprocure.gov.in>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, Using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registration on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION :

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link 'Click here to Enroll'. Enrolment on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique user name and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate Authority recognized by CCA India (e.g. Sify/TCS/nCode/eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their User ID/ password and the password of the DSC/e-Token.

SEARCHING FOR TENDER DOCUMENTS :

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents/tender Schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS/email in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification/help from the Helpdesk.

PREPARATION OF BIDS :

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents- Page 6 of 10 including the name and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidders, in advance, should get ready the bid documents to be submitted as indicated in the tender document/ schedule and generally, they can be in PDF/XLS/RAR/DWF forms. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN Card Copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use 'MySpace' area available to them to upload such documents. These documents may be directly submitted from the 'My Space' area while submitting a bid, and need not be uploaded again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS :

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidders has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as 'offline' to pay the tender fee/EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be sent by post/ given in person to the Store Purchase Section, ICAR – CAZRI, Jodhpur

(Rajasthan) latest by the last date & time of bid submission. Failure to deposit the earnest money in office up to due date and time through offline mode will lead to rejection of bid. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

- 5) A standard pdf format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download to pdf file, complete Cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidders should submit it online, If the pdf file is found to be modified by the bidder, the bid will be rejected.
- 6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers. Page 7 of 10
- 9) Upon the successful and timely submission of bids, the portal will give a successful bid submission message and a bid summary will be displayed with the bid number and the date & time of submission of the bid with all other relevant details.
- 10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS :

- 1) Any queries relating to the tender document and terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 18030702232.

Signature of Proprietor/ representative of the firm with seal

तकनीकी बिड
(प्रपत्र-स)
संविदा के सामान्य नियम एवं शर्तें

1. निदेशक, काजरी, जोधपुर द्वारा फार्म/तकनीकी/अन्य कार्य हेतु रेट कोन्टेक्ट संविदा पर ऑनलाइन निविदाएं आमंत्रित की जा रही हैं इच्छुक फर्म/एजेन्सी/कम्पनी अपनी निविदाएं आनलाइन भर कर प्रस्तुत कर सकते हैं। फर्म/एजेन्सी/कम्पनी की कार्य की दर शुरु में एक वर्ष की अवधि के लिये आवश्यक होगी। संविदा अनुबंध के नियमों और शर्तों के संतोषजनक अनुपालना होने पर दोनों पक्षकारों की सहमति पर एक वर्ष आगे बढ़ाया जा सकता है।
2. आनलाइन निविदा फॉर्म और नियम एवं शर्तें वेबसाइट <http://eprocure.gov.in> और www.cazri.res.in दिनांक 18.09.2020 के 4.00 बजे शाम से मुफ्त में डाउनलोड की जा सकती है। सभी मामलों में पूर्ण आन-लाइन निविदा/संविदा CPP Portal <http://eprocure.gov.in/> eprocure/app द्वारा दिनांक 06.10.2020 के 11.00 बजे तक या इस समय से पहले प्रस्तुत की जानी चाहिए।
3. निविदाकर्ताओं/संविदाकर्ताओं से अनुरोध है कि वे वेबसाइट CPP Portal <http://eprocure.gov.in/> eprocure/app पर नियमित रूप से देख सकें। निविदा जांच में कोई भी बदलाव/संशोधनों को इस वेबसाइट के माध्यम से शुद्धि के द्वारा सूचित किया जाएगा।
4. अगर निविदा खोलने के दिन सरकार द्वारा किसी भी प्रकार का अवकाश घोषित कर दिया जाता है, तो निविदाएं अगले कार्य दिवस को खोली जायेगी। निदेशक, काजरी किसी भी या सभी निविदाओं को स्वीकार या अस्वीकार करने का अधिकार सुरक्षित रखता है।
5. इच्छुक फर्म/एजेन्सी/कम्पनी अपनी { जो केन्द्रीय खरीद संगठन और राष्ट्रीय लघु उद्योग निगम (वैद्य प्रमाण के साथ पंजीकृत हैं) को पंजीकृत किये जाने वाले को छोड़कर } मूल रूप से (मूल में) धरोहर राशि **रुपये 30000** (रुपये तीस हजार मात्र) और निविदा शुल्क रुपये 500 (रुपये पांच सौ मात्र) ICAR Unit CAZRI Jodhpur के पक्ष में भारत के किसी भी वाणिज्यिक बैंक से डिमांड ड्राफ्ट/बैंकर चेक (DD/Banker Cheque) जमा (EMD) करानी आवश्यक है। निविदाकर्ताओं के पास वर्तमान आयकर/सेवा कर/जीएसटी और वैधानिक पंजीकरण होना आवश्यक है।
6. धरोहर राशि तथा जमानत राशि (EMD and Performance security money) पर किसी प्रकार का ब्याज देय न होगा।
7. निविदा दस्तावेज/निविदा शुल्क और धरोहर राशि के लिये उपरोक्त डी.डी./बैंकर चेक को निविदा आमंत्रित प्राधिकारी यानि ICAR-CAZRI, जोधपुर को दिनांक 06.10.2020 को या इससे पहले 11.00 बजे या उससे पहले स्कैन किया जाना चाहिये और स्कैन की गयी कॉपी ऑन-लाइन दिनांक 06.10.2020 को 11.00 बजे तक या इससे पहले अपलोड की जानी चाहिये। उपरोक्त डी.डी./बैंकर चेक प्रथम बार निविदा/संविदा जारी होने के बाद की तारीख को बना होना चाहिए यानि दिनांक 26.08.2020 के बाद का होना चाहिये।
8. निविदा खुलने के बाद निविदा शुल्क और धरोहर राशि स्वीकार नहीं की जायेगी।
9. निविदाएं प्रस्तुत करना: पोर्टल में उल्लेखित दिशा-निर्देशों के अनुसार आवश्यक दस्तावेजों के साथ निविदा CPP Portal http://eprocure.gov.in में निम्न प्रकार से अपलोड की जानी चाहिए।
 - (क) निविदाएं केवल दो बोली पद्धति (two bid system) में CPP Portal <http://eprocure.gov.in/> eprocure/app पर ऑन लाईन जमा की जानी हैं। i.e. (i) तकनीकी बोली (ii) निर्धारित प्रोफार्मा में वित्तीय बोली।
 - (ख) इच्छुक फर्म तकनीकी प्रपत्र को पूर्ण रूप से भर कर व उसके सभी पृष्ठों पर मोहर मय हस्ताक्षर कर और उसके साथ लगाये जाने वाले दस्तावेजों जैसे निविदा शुल्क, EMD, पंजीयन प्रमाण पत्र EPF, ESI इत्यादि को एक फाईल में तथा वित्तीय निविदा प्रपत्र इत्यादि को एक फाईल में तथा वित्तीय निविदा प्रपत्र को पूर्ण रूप से भरने व मोहर मय हस्ताक्षर कर दूसरी फाईल में अलग-अलग स्कैन कर प्रत्येक को इसके लिये निर्धारित फोल्डर में CPPP पर निविदा Submission के लिये निर्धारित तिथी व समय तक या उससे पहले अपलोड करें।
 - (ग) तकनीकी बोली में पात्रता मानदंड आदि के समर्थन में सभी दस्तावेजों को भी स्कैन और निविदा दस्तावेजों के साथ अपलोड किया जाना है। यह भी कहा जाता है कि पहले कवर में केवल तकनीकी बोली के उद्देश्य वाले ही दस्तावेज भर कर स्कैन करने हैं अर्थात वित्तीय बोली के लिये प्रारूप को भरकर स्कैन नहीं किया जाना चाहिये

अन्यथा बोली खारिज कर दिया जायेगा। किसी भी अन्य मोड द्वारा भेजे गए निविदा को स्वीकार नहीं किया जायेगा। तकनीकी बीड के साथ प्रस्तुत किये जाने वाले दस्तावेजों की सूची तकनीकी बोली के भाग 'ल' में विस्तृत है।

- (घ) निविदा शुल्क व EMD के लिये बनाया गया DD आदि के मूल प्रति डाक द्वारा इस प्रकार भेजा जाना चाहिए कि वह निविदा खोलने के निर्धारित तिथि व समय तक या उससे पहले इस संस्थान के कार्यालय में प्राप्त हो जाये।
10. निविदा योग्यता प्रपत्रों (तकनीकी बिड) में योग्य/सफल पाये जाने वाले निविदादाताओं के ही वित्तीय निविदा दर कवर— द्वितीय (फाइनेन्शियल बिड) यानि (Finanacial bid opening) खोले जायेंगे।
11. निविदा योग्यता प्रपत्रों में अयोग्य/असफल पाये जाने वाले निविदादाताओं की निविदाओं को निरस्त माना जायेगा एवं उनके वित्तीय निविदा दर कवर—द्वितीय नहीं खोले जायेंगे।
12. निविदा की तकनीकी बिड के साथ चैक लिस्ट में उल्लेखित दस्तावेज संलग्न करना आवश्यक है अन्यथा निविदा निरस्त कर दी जायेगी।
13. निविदादाता फर्म/एजेन्सी/कम्पनी का अधिकृत व्यक्ति/प्रतिनिधि स्वयं उपस्थित हो कर कार्य स्थल का जायजा कार्यालय समय के दौरान कर सकते हैं।
14. निविदादाता के विधि/लीगल स्टेटस/पार्टनरशिप फर्म इत्यादि से संबंधित सभी कागजात निविदा प्रपत्र के साथ प्रस्तुत करने होंगे। निविदा खुलने के पश्चात निविदादाता फर्म के स्टेटस से संबंधित कोई भी दस्तावेज मान्य नहीं होगा।
15. निविदा में दर अंको और शब्दों में स्पष्ट अंकित करें। निविदा में प्रस्तुत दर में व्याणिज्य कर, सेवा कर/जीएसटी या अन्य कर दर में शामिल या अलग है, स्पष्ट उल्लेख करें।
16. निविदा में मदवार (Item wise) दर प्रस्तुत न करने पर निविदा निरस्त कर दी जाएगी।
17. संविदा/टेका कार्य की सम्पूर्ण/सभी मदों के लिए औसत न्यूनतम दर प्रस्तुतकर्ता (एल-1) ठेकेदार/फर्म/कम्पनी को टेका कार्य दिया जायेगा।
18. निविदाएं निविदा प्रस्तुत करने की तिथि से 6 माह तक वैध रहेगी।
19. प्रस्तावित टेका "कार्य-आधारित संविदा" (Job Contract Basis) है। The proposed contract is purely a Jobwork Contract and not the Labour Contract what so ever.
20. फर्म/ठेकेदार को टेका में प्रयुक्त सभी श्रमिकों/कार्मिकों भारत सरकार के श्रम अधिनियम/न्यूनतम मजदूरी अधिनियम के अनुसार मजदूरी का भुगतान और श्रमिकों के कल्याण मद जैसे— ई.पी.एफ., ई.एस.आई., आदि यदि लागू है तो समस्त वैधानिक दायित्वों का निर्वाहन करना होगा। इसके लिए फर्म/ठेकेदार पूर्ण जिम्मेदार होंगे। कार्य के दौरान दुर्घटना, मृत्यु आदि जोखिम के लिए पूर्ण रूप से ठेकेदार फर्म जिम्मेवार होगी।
21. फर्म/ठेकेदार द्वारा श्रमिकों को मजदूरी का भुगतान और श्रमिकों के कल्याण मद जैसे— ई.पी.एफ., ई.एस.आई., यदि लागू है तो सभी सूचना श्रम प्रवर्तन अधिकारी/काजरी संस्थान द्वारा मांगने पर उपलब्ध करानी होगी।
22. निविदादाता फर्म/एजेन्सी/कम्पनी के पास आयकर विभाग द्वारा निर्गत वैध पैन (PAN) नम्बर/ ई.पी.एफ./ ई. एस.आई./सेवा कर /जीएसटी नम्बर होना चाहिए और प्रमाण पत्र की फोटो प्रति प्रस्तुत करनी होगी।
23. निविदादाता फर्म/एजेन्सी/कम्पनी को संबंधित अधिनियम के अन्तर्गत पंजीकृत होना आवश्यक है।
24. निविदादाता फर्म/एजेन्सी/कम्पनी के खिलाफ ई.पी.एफ./ई.एस.आई./न्यूनतम मजदूरी एक्ट के अन्तर्गत किसी भी प्रकार का लीगलसूट/ अपराधिक मामला लम्बित नहीं होना चाहिए।
25. सफल निविदादाता फर्म/एजेन्सी/कम्पनी को टेका कार्य करने के लिए करार (अनुबंध) के लिये (अनुबंध मूल्य अर्थात संविदा मूल्य को) 0.25 प्रतिशत के गैर-स्टाम्प पेपर पर करने हेतु सूचित किया जायेगा। सूचित करने हेतु जारी पत्र की तिथि के एक सप्ताह (7 दिन) की अवधि में संभावित कार्य आदेश की राशि का 6 प्रतिशत या एक मुश्त राशि, जैसा भी निर्देशित किया जाए, अमानत राशि (Performance Security) के रूप में बैंक डाफ्ट/बैंक गारन्टी/एफ डी आर, आदि माध्यम द्वारा संस्थान में जमा कराना होगा, जिसकी अवधि टेका समाप्त होने के 60 दिन पश्चात् तक वैध रहेगी। यदि फर्म/एजेन्सी/कम्पनी ऐसा नहीं करती हैं तो बिना किसी सूचना के आवंटित टेका निरस्त माना जायेगा एवं उनके द्वारा जमा कराई गयी धरोहर राशि (ई.एम.डी.) जब्त करली जायेगी और भविष्य में उस फर्म/एजेन्सी/कम्पनी से किसी प्रकार का पत्र व्यवहार नहीं किया जायेगा।
26. निविदा पूर्ण विवरण सहित भरी जानी चाहिए। अधुरी कॉट-छॉट और अस्पष्ट निविदा स्वीकार नहीं की जाएगी।

27. पात्रता मानदण्ड : निविदा के साथ चेक लिस्ट में उल्लेखित दस्तावेज प्रस्तुत करें। अन्यथा निविदा निरस्त समझी जायेगी।
- (1) निविदा शुल्क रु. 500/- की मूल रसीद या डिमाण्ड ड्राफ्ट/बैंकर चेक संलग्न करना होगा।
 - (2) धरोहर राशि रु. 30,000/- का डिमाण्ड ड्राफ्ट/बैंकर चेक संलग्न करना होगा।
 - (3) केन्द्रीय व राज्य सरकार के किसी विभाग/काजरी संस्थान में फर्म के पंजियन की सत्यापित प्रतिलिपि।
 - (4) आयकर विभाग द्वारा निर्गत पैन (PAN) कार्ड की सत्यापित प्रतिलिपि।
 - (5) वाणिज्य कर विभाग द्वारा निर्गत टिन (TIN) पंजीकरण की सत्यापित प्रतिलिपि यदि लागू है तो।
 - (6) जीएसटी/सेवा कर पंजियन की प्रतिलिपि यदि लागू है तो।
 - (7) कार्य का अनुभव: इस तरह की सेवाएं प्रदान करने के क्षेत्र में पांच वित्तीय वर्ष 2014-15 से 2018-19 तक किसी भी सरकारी विभाग/स्वायत्त निकाय/भारत/प्रतिष्ठित सार्वजनिक या निजी संगठनों में 2 वर्ष कार्य करने का अनुभव एवं कार्य आदेश की सत्यापित प्रतिलिपि।
 - (8) आयकर रिटर्न गत 2 वर्ष की प्रतिलिपि यानि 2017-18 व 2018-19 वर्ष की
 - (9) टर्न ओवर तीन वित्तीय वर्ष यानि 2016-17 से 2018-19 में से किसी 2 वर्ष का न्यूनतम रु. 3.00 लाख प्रति वर्ष से कम का न हो जो
 - (10) फर्म के ग्राहक विभागों की सूची।
28. कार्यालय करवाए जाने वाले कार्य की मात्रा में कमी/बढ़ोतरी की जा सकती हैं।
29. ठेकेदार द्वारा सही पद्धति से/संतोषजनक संविदा कार्य नहीं होने पर/असंतोषजनक कार्य की शिकायत पर अथवा ठेका कार्य के दौरान किसी भी श्रमिक का कार्य या व्यवहार संतोषजनक नहीं होने पर नोडल अधिकारी द्वारा इस संबंध में शिकायत करने पर तुरन्त प्रभाव से वैकल्पिक व्यवस्था करनी होगी। कार्य को उचित निर्देशानुसार संतोषजनक ढंग से करना होंगा। असंतोषजनक कार्यों पर उचित कटौती की जाएगी।
30. ठेकेदार/फर्म की जिम्मेदारी होगी कि उसके द्वारा सरकारी सम्पत्ति को किसी प्रकार का नुकसान न पहुँचाए। होने वाले नुकसान की क्षतिपूर्ति/भरपाई ठेकेदार को करनी होगी।
31. अनुबंध एक वर्ष की अवधि के लिए वैध रहेगा। यह कोई भी कारण बताए बिना एक वर्ष की अवधि से पहले भी समाप्त किया जा सकता है अथवा एक वर्ष से आगे की अवधि के लिए बढ़ाया जा सकता है। यह निदेशक, भाकृ. अनु.प.-के.शु.क्षे.अनु.सं., जोधपुर के विवेक पर है।
32. किसी भी प्रकार की जनहानि या दुर्घटना की स्थिति में यह संस्थान उत्तरदायी नहीं होगा और संस्थान के विरुद्ध किसी माननीय न्यायालय में कोई वाद दायर नहीं किया जा सकेगा। इसका समस्त दायित्व वाहन स्वामी का होगा।
33. कार्यावधि में ठेकेदार के किसी चालक/श्रमिक/मजदूर इत्यादि को सॉप, बिच्छु या किसी जहरीले जानवर के काटे जाने या दुर्घटनाग्रस्त होने पर संस्थान की कोई जिम्मेदारी नहीं होगी।
34. ठेकेदार/फर्म/एजेन्सी को अपने श्रमिकों को भारत सरकार/राज्य सरकार के नियमानुसार न्यूनतम मजदूरी इनमें से जो भी अधिक हो, देनी होगी। सभी श्रमिक कानून व नियमों जैसे-ESI/EPF/Service Tax/GST etc. यदि ये प्रावधान उनके संदर्भ में लागू हो तो इनका पूर्ण रूप से पालन करना होगा व इसका समुचित रिकार्ड रखेगा/रखेगी तथा साक्ष्य के तौर पर मासिक बिल के संलग्न रसीद की फोटो प्रतिलिपि देनी अनिवार्य होगी। सरकार द्वारा समय-समय पर जारी किये गये सभी अनुदेशों/श्रम कानूनों इत्यादि का पूर्ण अनुसरण/निर्वाह करना होगा न्यूनतम मजदूरी अधिनियम, श्रमिक कानूनों, नियमों, अनुदेशों व समय-समय पर सरकार द्वारा इस संबंध में जारी आदेशों इत्यादि की ठेकेदार द्वारा पालना न करने पर इसकी सम्पूर्ण जिम्मेवारी ठेकेदार की होगी।
35. ठेका में शामिल किसी भी कार्य को मौसम सम्बन्धी कारणों/तकनीकी कारणों से समाप्त किया जा सकता है।
36. सशर्त निविदा मान्य नहीं होगी।
37. बिना हस्ताक्षर निविदा स्वीकार नहीं होगी।
38. सफल निविदादाता ठेकादार/फर्म/एजेन्सी/कम्पनी द्वारा ठेके में लगाये गये श्रमिकों का चरित्र अच्छा होना चाहिए। सभी श्रमिकों को हिन्दी/स्थानीय भाषा में बातचीत करने का यथा सम्भव ज्ञान होना चाहिए।
39. ठेका आवंटित होने के बाद इस जॉब कान्ट्रैक्ट पर जीएसटी/सेवा कर अथवा अन्य सभी देय कर ठेकेदार फर्म द्वारा चुकाये जायेंगे और संस्थान इस तरह किसी भुगतान के दावे को स्वीकार नहीं करेगी। यद्यपि सरकार के

समय-समय पर जारी नियमानुसार/निर्देशानुसार सेवा कर अथवा अन्य कर जो ठेकेदार फर्म के मासिक बिल से कटौती की जायेगी।

40. श्रमिकों को श्रम कानूनों के अनुसार प्राथमिक चिकित्सा एवं मूलभूत सुविधाएं – जैसे पीने का पानी, छाया इत्यादि फर्म द्वारा व्यवस्था करनी होगी।
41. फर्म/एजेन्सी/कम्पनी को संविदा, कार्य में लगाये गये मजदूरों/श्रमिकों को मजदूरी का भुगतान संबंधी उचित रिकार्ड रखना होगा।
42. बाल श्रमिकों को संविदा कार्यों में नहीं लगाया जायेगा।
43. सफल निविदादाता फर्म/एजेन्सी/कम्पनी को आवंटित संविदा कार्य की आवश्यकता के अनुसार पर्याप्त मात्रा में मजदूरों/मशीनों/औजारों की व्यवस्था करनी होगी। विभाग के नोडल अधिकारी, वैज्ञानिक, तकनीकी अधिकारी, सुपरवाइजर के निर्देशानुसार सन्तोषजनक ढंग से कार्य सम्पन्न करना होगा।
44. अनुसंधान क्षेत्र/प्रोजेक्ट क्षेत्र के भीतर कोई भी बाहरी/असंबंधित व्यक्ति या जानवर बिना अनुमति के नहीं आना चाहिए। सरकारी सम्पत्ति/फेंसिंग/अनुसंधान सामग्री को कोई क्षति/नुकसान नहीं होना चाहिए। यदि कोई क्षति/नुकसान होता है तो उसका खर्च संबंधित फर्म/एजेन्सी/कम्पनी से वसूल किया जाएगा।
45. कार्य निर्धारित अवधि में पूरा करना होगा। भुगतान केवल पूर्ण किए गये कार्य का ही देय होगा।
46. स्वीकृत ठेका का कार्य आदेशानुसार पूर्ण होने के पश्चात् पूर्व प्राप्य बिल की दो प्रतियां श्रीमान् निदेशक, काजरी, जोधपुर के नाम भुगतान हेतु इस संस्थान में प्रस्तुत करनी होगी, जिसका भुगतान संबंधित पी. आई/वैज्ञानिक/अधिकारी/प्रभारी अधिकारी, अनुरक्षण अनुभाग के द्वारा बिल को इन्द्राज व सत्यापित करने के पश्चात् देय होगा।
47. ठेकेदार/फर्म को ई. पेमेन्ट भुगतान के लिए फर्म के बैंकर/बैंक खाता संख्या के साथ सभी वांछित दस्तावेज इस कार्यालय में प्रस्तुत करने होंगे।
48. कार्य का कोई अग्रिम भुगतान नहीं किया जायेगा। सामान्य तौर पर कार्य पूर्ण करने पर बिल प्रस्तुति की तिथि से 15 दिन के अंदर भुगतान कर दिया जाता है।
49. आयकर या अन्य कोई कर इत्यादि की कटौती सरकारी आदेशानुसार एवं नियमानुसार फर्म/एजेन्सी/कम्पनी द्वारा प्रस्तुत किए गए बिल में से की जायेगी।
50. कार्यालय परिसर में जानवरों, पशु-पक्षियों को नुकसान पहुंचाना या इनका शिकार करना वर्जित है। ऐसा करने वाले उस संविदा मजदूर तथा संबंधित फर्म/एजेन्सी/कम्पनी के विरुद्ध आवश्यक कार्रवाई की जाएगी।
51. निविदादाता फर्म/एजेन्सी/कम्पनी को एवं उसके समस्त संविदा श्रमिकों को जो काजरी परिसर में संविदा कार्य कर रहे हैं उन्हें संस्थान के सुरक्षा नियमों की पालना करनी होगी।
52. प्रस्तावित निविदा/अथवा निविदा के किसी भाग और ठेका कार्य आदेश/अथवा आवंटित कार्यादेश को बिना कारण बताये स्वीकृत अथवा अस्वीकृति/निरस्त करने का अधिकार निदेशक, काजरी, जोधपुर को होगा।
53. **Penalty clause for non execution of work:** In case of failure to execution or undertake the work or completion of work by the Contractor/firm/company as per order, the performance security money deposited by the contractor will be forfeited, and Institute will stop any future dealing with the firm/agency/company.
54. **Penalty clause for delaying of work:** Any wilful delay on the part of the second party in completing the work within the stipulated period will render him liable to pay liquidated damages @ Rs. *_____ per day which will be deducted from payments due to him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 2 % of the contract/work order amount.
(*Note: The amount of liquidated damages per day should be determined at 0.05 % of the contract value of the works and indicated here).
55. संविदा कार्य की अवधि एक वर्ष की होगी। सन्तोषजनक कार्य की स्थिति में आपसी सहमति (फर्म व सक्षम अधिकारी) से अवधि को बढ़ाया जा सकता है।

56. सभी विवादों को निपटाने का न्यायिक क्षेत्राधिकार जोधपुर होगा।
57. किसी प्रकार का विवाद होने की स्थिति में निर्णय का अन्तिम अधिकार निदेशक, केन्द्रीय शुष्क क्षेत्र अनुसंधान संस्थान (काजरी), जोधपुर को होगा।
58. यदि एक या एक से अधिक बोलीदाताओं की दरें समान पायी जाती हैं, तो सफल बोलीदाता को अन्तिम रुप देने के मानदण्ड निम्नानुसार होगा:—
 - a) क्षेत्र में अनुभव
 - b) फर्म/एजेंसी का वार्षिक टर्नओवर
 - c) फर्म / एजेंसी / ठेकेदार द्वारा तैनात कर्मचारियों की प्रोफाइल।

सहायक प्रशासकीय अधिकारी (पंचम)

निविदादाता ठेकादार/फर्म/एजेंसी/कम्पनी द्वारा घोषणा

मैंने/हम ने उपर्युक्त समस्त नियम व शर्तों का अध्ययन कर लिया है तथा इनकी अनुपालना के लिए मैं/हम बाध्य होऊंगा/होंगे। किसी भी प्रकार की मिथ्या सूचना के लिए मैं/हमारी फर्म/कम्पनी पूर्ण जिम्मेवार होंगे।

Signature of Proprietor/ representative of the firm with seal

तकनीकी बिड

(प्रपत्र-द)

Schedule to tender

1.	Name of Agency/Firm	
2.	Full address with Post box No. and Telephone No.	
3.	Constitution of the Firm/Agency. a. Indian Companies Act 1956 b. Indian Partnership Act, 1932: (Please give names of partners)	
4.	a. For partnership firm whether registered under 'The Indian Partnership Act, 1932', please state further whether by the partnership agreement, authority to refer disputes concerning the business of the partnership to arbitration has been conferred on the partner who has signed the tender. b. If answer to the above is in negative whether there is any general power of attorney executed by all the partners of the firms authorizing the partner who has signed the tender to refer dispute concerning business of the partnership to arbitration. c. If answer to point (a) or point (b) is in the affirmative please furnish a copy of either the partnership agreement or the general power of attorney as the case may be.	
5.	Name and Full Address of your Bankers :	
6.	EMD: Rs. 30,000/- in favour of ICAR Unit-CAZRI, Jodhpur.	
7.	Registration No. of the firm with Central/State department.	
8.	GST/Service Tax Number/TIN Number if applicable.	
9.	PAN Number /Circle/Ward	
10.	Experience of the firm for any 2 financial year out of five financial year i.e. 2014-15 to 2018-19 in the field of providing such services in Central Govt. Establishments/ Autonomous bodies of Govt./ Corporation of Govt. of India/reputed public or private organizations may be indicate in cronological order and supporting document may be attached .	
11.	Copy of Income Tax Return for 2 Assessment year i.e. 2017-18 & 2018-19 audited from Chartered Accountant Income tax return along with balance sheet certified by C/A. for 2 years.	
12.	Minimum turnover of the firm not less than Rs. 3.00 Lakh during the any 2 financial year out of three financial year i.e. 2016-17 to 2018-19.	
13.	List of client department.	
14.	Any other relevant information.	

Note: The information required at Sl. No. 1 to 14 must be accompanied with the certified copies of the documents, and attached as per the serial number failing which the tender is liable to be rejected.

Dated:- _____

Place:- _____

Signature with seal of authorized signatory of firm

तकनीकी बिड
(प्रपत्र-य)

Full Name and address of the tenderer in
Addition to address and other relevant
information needed for the complete Address:-

Telephone No.
Telegraphic Address

To,
The Director,
Central Arid Zone Research Institute,
Jodhpur-342 003
Sir,

1. I/we have carefully read all the particulars regarding the general information and other terms and conditions of the contract for the Annual White washing, painting and repair and Maint. contract of CAZRI, Jodhpur and agree to provide the services as detailed in schedule herein or to such portion thereof as you may specify in the acceptance of the tender at the rates given in schedule attached I and II to this tender and I/we agree to hold this offer open till 180 days. I/we shall be bound by a communication acceptance dispatched within the prescribed time.
2. I/we have understood the terms and conditions for the contract and shall provide the best services strictly in accordance with these requirements.
3. The following pages have been added to and from a part of this Tender. The schedules to accompany this tender are at page Nos. _____.
4. Every page so attached with this tender bears signature and the official seal.
5. Demand Draft/Banker Cheque No. _____ dated _____ of **Rs. 30,000/-** in favour of **ICAR Unit and payable at Jodhpur** is enclosed as earnest money.

Address _____

Name & Signature of witness _____
Address _____

Dated: - _____
Place: - _____

तकनीकी बिड
(प्रपत्र-र)

Undertaking

1. I, _____
son/daughter/wife of Shri _____
Proprietor/Director/authorized signatory of the Company/Firm mentioned above, is competent to sign this declaration and execute this tender document.
2. I have carefully read and understood all the terms and conditions of the tender and undertake to abide to them.
3. The information/documents furnished along with the above tender form are true and authentic to the best of my knowledge and belief. I am well aware of the fact that furnishing of any false information/fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.

Place :

Date :

**Signature & Name of the authorized
Signatory with Seal of the Firm**

तकनीकी बिड
(प्रपत्र-ल)

**CHECKLIST OF DOCUMENTS TO BE SUBMITTED WITH TENDER DOCUMENT
FAILING WHICH THE BID WILL BE LIABLE TO BE REJECTED:**

S.No	Documents to be submitted	Whether Submitted or not	If submitted than mentioned page No.	Remarks
1.	Details of Cost of bid Rs. 500/-			
2.	Details of EMD deposited for Rs. 30,000/-			
3.	Copy of Registration of firm with Central/ State department			
4.	Copy of PAN /Tin Card			
6.	Copy of GST/Service Tax Registration (if applicable)			
7.	Experience of the firm for any 2 financial year out of five financial year i.e. 2014-15 to 2018-19 in the field of providing such services in Central Govt. Establishments/Autonomous bodies of Govt./Corporation of Govt. of India/reputed public or private organizations may be indicate in chronological order and supporting document may be attached .			
8.	Copy of Income Tax Return for 2 Assessment year i.e. 2017-18 & 2018-19 audited from Chartered Accountant.			
9.	Minimum turnover of the firm not less than Rs. 3.00 Lakh during the any 2 financial year out of three financial year i.e. 2016-17 to 2018-19.			
10.	List of client departments.			

Detail of the Minimum 2 years experience /work done with name of clients

S. No.	Name of Client Deptt./ Organisation & Name of Contact person with Ph. No.	Period		Remarks
		From	To	

Full Name of Bidder with Address

M/s.....
.....
.....

Signature with seal of authorized signatory of firm

Dated:- _____
Place:- _____

Annexure-II

FINANCIAL BID
(The financial bid to be uploaded separately)

To,

The Director,
 ICAR-CAZRI,
 Jodhpur

Sir,

I/we wish to submit our tender for ARC for Carrying out of White washing, distempering, painting and repairs etc. of Office and Residential Buildings of CAZRI, Jodhpur on the following rates:

Name of work:- Work to be carried out by Annual Rate Contract for White washing, Distempering, Painting and Minor Repairs of Office Buildings and Residential buildings at CAZRI, Jodhpur.

S.No .	Code No.	Description	Unit	Rate of Figures	Rate words
		PART 'A'(White washing, Distempering & Painting work)			
1	14.43	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	sqm	Rs. ....	.....
2	14.44	Distempering with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade.	sqm	Rs. ....	.....
3	14.45	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :			
	14.45.1	Old work (one or more coats)	sqm	Rs. ....	.....
4	14.46	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	sqm	Rs. ....	.....
5	14.47	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :			
	14.47.1	Old work (one or more coats)	sqm	Rs. ....	.....
6	14.48	Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work :			
	14.48.1	75 mm diameter pipes	metre	Rs. ....	.....
7	14.49	Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture on old work :			

	14.49.1	75 mm diameter pipes	metre	Rs. ....	.....
8	14.50	Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with aluminium paint of approved brand and manufacture over a priming coat of ready mixed zinc chromate yellow primer on new work :			
	14.50.1	75 mm diameter pipes	metre	Rs. ....	.....
9	14.51	Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour on old work :			
	14.51.1	75 mm diameter pipes	metre	Rs. ....	.....
	14.51.2	100 mm diameter pipes	metre	Rs. ....	.....
10	14.53	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :			
	14.53.1	One or more coats on old work.	sqm	Rs. ....	.....
11	14.54	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :			
	14.54.1	One or more coats on old work.	sqm	Rs. ....	.....
12	14.55	Painting with aluminium paint of approved brand and manufacture to give an even shade :			
	14.55.1	One or more coats on old work.	sqm	Rs. ....	.....
13	14.57	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade :			
	14.57.1	One or more coats on old work.	sqm	Rs. ....	.....
14	14.58	French spirit polishing :			
	14.58.1	One or more coats on old work.	sqm	Rs. ....	.....
15	14.59	Polishing on wood work with ready made wax polish of approved brand and manufacture :			
	14.59.1	Old work	sqm	Rs. ....	.....
16	14.60	Re-lettering with black Japan paint of approved brand and manufacture.	per letter per cm height	Rs. ....	.....
17	14.61	Painting (one or more coats) with black Japan paint of approved brand and manufacture to give an even shade.	sqm	Rs. ....	.....
18	14.63	Distemping with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification.			
	14.63.1	One or more coats on old work.	sqm	Rs. ....	.....
19	14.64	Finishing walls with water proofing cement paint of required shade :			

	14.64.1	Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 liters/10 sqm complete including cost of Priming coat.	sqm	Rs. ....	.....
20	14.66	Finishing walls with Acrylic Smooth exterior paint of required shade :			
	14.66.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface).	sqm	Rs. ....	.....
	14.66.2	Old work (One or more coat applied @ 0.90 ltr/10 sqm).	sqm	Rs. ....	.....
21	14.68	Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint approved brand and manufacture on old work :			
	14.68.1	100 mm diameter pipes	sqm	Rs. ....	.....
22	14.69	Varnishing with varnish of approved brand and manufacture:			
	14.69.1	One or more coats with copal varnish.	sqm	Rs. ....	.....
	14.69.2	One or more coats with spar varnish.	sqm	Rs. ....	.....
23	14.70	Melamine polishing on wood work (one or more coat).	sqm	Rs. ....	.....
24	14.71	Varnishing with flatting varnish of approved brand and manufacture one or more coats on old work.	sqm	Rs. ....	.....
		INTERIOR FINISHING			
25	13.37	White washing with lime to give an even shade:			
	13.37.1	New work (three or more coats)	sqm	Rs. ....	.....
26	13.38	Satna lime wash on walls one coat	sqm	Rs. ....	.....
27	13.39	Colour washing such as green, blue or buff to give an even shade :			
	13.39.1	New work (two or more coats) with a base coat of white washing with lime	sqm	Rs. ....	.....
	13.39.2	New work (two or more coats) with a base coat of whitening	sqm	Rs. ....	.....
28	13.40	Distempering with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including priming coat of whitening to give an even shade.	sqm	Rs. ....	.....
29	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade			
	13.41.1	New work (two or more coats) over and including priming coat with cement primer.	sqm	Rs. ....	.....
30	13.42	Distempering with 1st quality acrylic washable distemper (ready mixed) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification.			
	13.42.1	Two or more coats on new work.	sqm	Rs. ....	.....

31	13.43	Applying one coat of cement primer of approved brand and manufacture on wall surface:			
	13.43.1	Cement primer.	sqm	Rs. ....	.....
		EXTERIOR FINISHING			
32	13.44	Finishing walls with water proofing cement paint of required shade :			
	13.44.1	New work (Two or more coats applied @ 3.84 kg/10 sqm).	sqm	Rs. ....	.....
33	13.45	Finishing walls with textured exterior paint of required shade :			
	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint applied @ 2.20kg/10 sqm.	sqm	Rs. ....	.....
34	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :			
	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sqm).	sqm	Rs. ....	.....
35	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade			
	13.47.1	New work (Two or more coats applied @ 1.43 ltr/ 10 sqm. over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sqm).	sqm	Rs. ....	.....
36	13.48	Finishing walls with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :			
	13.48.1	Two or more coats applied @ 1.25 ltr/10 sqm. over and including one coat of Special primer applied @ 0.75 ltr / 10 sqm.	sqm	Rs. ....	.....
	13.48.2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/ 10 sqm of approved brand or manufacture	sqm	Rs. ....	.....
	13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand or manufacture	sqm	Rs. ....	.....
37	13.49	Extra for applying water proofing cement paint as primer applied @ 2.2 kg/ 10 sqm instead of primer for exterior finishing in Item No. 13.48.1	sqm	Rs. ....	.....
38	13.50	Applying priming coat :			
	13.50.1	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	Rs. ....	.....
	13.50.2	With ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood	sqm	Rs. ....	.....

	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	sqm	Rs. ....	.....
	13.50.4	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	sqm	Rs. ....	.....
39	13.51	Painting one thin coat with white lead of approved brand and manufacture on wet or patchy portion of plastered surfaces	sqm	Rs. ....	.....
40	13.52	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.			
	13.52.1	On steel work	sqm	Rs. ....	.....
	13.52.2	On concrete work	sqm	Rs. ....	.....
41	13.53	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :			
	13.53.1	New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution.	sqm	Rs. ....	.....
42	13.54	Applying a coat of mordant solution on G.S. sheet :			
	13.54.1	With a solution of 38 gms of copper acetate in a litre of soft water	sqm	Rs. ....	.....
	13.54.2	With a solution made of 13 gms of hydrochloric acid in a solution of 13 gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a litre of soft water.	sqm	Rs. ....	.....
43	13.55	Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint approved brand and manufacture over and including a priming of ready mixed zinc chromate yellow primer on new work :			
	13.55.1	100 mm diameter pipes	metre	Rs. ....	.....
	13.55.2	150 mm diameter pipes	metre	Rs. ....	.....
44	13.56	Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of approved steel primer on new work.			
	13.56.1	100 mm diameter pipes	metre	Rs. ....	.....
	13.56.2	150 mm diameter pipes	metre	Rs. ....	.....
45	13.57	Painting with oil type wood preservative of approved brand and manufacture:			
	13.57.1	New work (two or more coats)	sqm	Rs. ....	.....

46	13.58	Providing and applying two coats of fire retardant paint unthinned on cleaned wood/ply surface @ 3.5 sqm per litre per coat including preparation of base surface as per recommendations of manufacturer to make the surface fire retardant.	sqm	Rs. ....	.....
47	13.59	Coal tarring two coats on new work using 0.16 and 0.12 litre coal tar per sqm in the first coat and second coat respectively.	sqm	Rs. ....	.....
48	13.60	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:			
	13.60.1	Two or more coats on new work	sqm	Rs. ....	.....
49	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :			
	13.61.1	Two or more coats on new work	sqm	Rs. ....	.....
50	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:			
	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	sqm	Rs. ....	.....
51	13.63	Painting with aluminium paint of approved brand and manufacture to give an even shade .			
	13.63.1	Two or more coats on new work	sqm	Rs. ....	.....
52	13.64	Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade:			
	13.64.1	Two or more coats on new work.	sqm	Rs. ....	.....
53	13.65	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade:			
	13.65.1	Two or more coats on new work.	sqm	Rs. ....	.....
54	13.66	Floor painting with floor enamel paint of approved brand and manufacture of required colour to give an even shade:			
	13.66.1	Two or more coats on new work.	sqm	Rs. ....	.....
55	13.67	Varnishing with varnish of approved brand and manufacture:			
	13.67.1	Two or more coats of glue sizing with copal varnish over an under coat of flattening varnish.	sqm	Rs. ....	.....
	13.67.2	Two or more coats glue sizing with spar varnish or an under coat of flattening varnish.	sqm	Rs. ....	.....
56	13.68	French spirit polishing :			
	13.68.1	Two or more coats on new works including a coat of wood filler.	sqm	Rs. ....	.....
57	13.69	Polishing on wood work with ready mixed wax polish of approved brand and manufacture :			

	13.69.1	New work	sqm	Rs. ....	.....
58	13.70	Floor polishing on masonry or concrete floors with wax polish of approved brand and manufacture.	sqm	Rs. ....	.....
59	13.71	Lettering with black Japan paint of approved brand and manufacture	per letter per cm height	Rs. ....	.....
		PART 'B' (Minor Repair work of Office / Residential buildings on rate context basis)			
1	14.1	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50metres lead :			
	14.1.2	With cement mortar 1:4 (1cement: 4 coarse sand).	sqm	Rs. ....	.....
2	14.2	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 meters lead :			
	14.2.1	Door chowkhats	each	Rs. ....	.....
	14.2.2	Window chowkhats	each	Rs. ....	.....
	14.2.3	Clerestory window chowkhats	each	Rs. ....	.....
3	14.4	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground.			
	14.4.1	For door/ window/ clerestory window.	sqm	Rs. ....	.....
4	14.5	Renewing glass panes, with putty and nails wherever necessary:			
	14.5.1	Float glass panes of thickness 4 mm	sqm	Rs. ....	.....
	14.5..2	Float glass panes of thickness 5.5 mm	sqm	Rs. ....	.....
5	14.6	Renewing glass panes, with wooden fillets wherever necessary:			
	14.6.1	Float glass panes of thickness 4 mm	sqm	Rs. ....	.....
	14.6.2	Float glass panes of thickness 5.5 mm	sqm	Rs. ....	.....

6	14.7	Renewing glass panes and refixing existing wooden fillets:			
	14.7.1	Float glass panes of thickness 4 mm	sqm	Rs. ....	.....
	14.7.2	Float glass panes of thickness 5.5 mm	sqm	Rs. ....	.....
7	14.8	Supplying and fixing new wooden fillets wherever necessary:			
	14.8.1	2nd class teak wood fillets	metre	Rs. ....	.....
	14.8.2	Hollock wood fillets.	metre	Rs. ....	.....
8	14.9	Renewal of old putty of glass panes (length)	metre	Rs. ....	.....
9	14.10	Refixing old glass panes with putty and nails	sqm	Rs. ....	.....
10	14.11	Fixing old glass panes with wooden fillets (excluding cost of fillets)	sqm	Rs. ....	.....
11	14.14	Replacing sand stone slabs in roofing laid in cement mortar 1:4 (1 cement : 4 coarse sand) including necessary repairs and cement pointing with same mortar complete including disposal of rubbish to dumping ground within 50 metres of lead :			
	14.14.1	Red/ white sand stone slabs 30 to 50 mm thick.	sqm	Rs. ....	.....
12	14.17	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering including disposal of rubbish to the dumping ground within 50 metres lead.	sqm	Rs. ....	.....
13	14.18	Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska :			
	14.18.1	With F.P.S. brick tiles	sqm	Rs. ....	.....
	14.18.2	With modular brick tiles	sqm	Rs. ....	.....
14	14.19	Taking out wind ties from roof including cutting out rusted bolts, nuts etc. and removing materials to any distance within compound and stacking.	kg	Rs. ....	.....
		WOOD WORK			
15	14.26	Providing and fixing 25 mm thick shutters for cup board etc. :			
	14.26.1	Panelled or panelled & glazed shutters :		Rs. ....	.....
	14.26.1.2	Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.	sqm	Rs. ....	.....
	14.26.2	Glazed shutters :			
	14.26.2.2	Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.	sqm	Rs. ....	.....
	14.27.1	Second class teak wood.	sqm	Rs. ....	.....

16	14.28	Providing and fixing curtain rods of 1.25mm thick brass plates with two brass brackets fixed with brass screws and wooden plugs etc. wherever necessary complete.			
	14.28.1	20 mm diameter.	metre	Rs. ....	.....
17	14.34	Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, screws etc. to suit shutter thickness complete	each	Rs. ....	.....
18	14.40	Providing and fixing chromium plated brass butt hinges with necessary screws etc. complete.			
	14.40.1	125x70x4 mm (ordinary type)	each	Rs. ....	.....
	14.40.2	100x70x4 mm (ordinary type)	each	Rs. ....	.....
	14.40.3	75x65x4 mm (heavy type)	each	Rs. ....	.....
	14.40.4	75x40x2.5 mm (ordinary type)	each	Rs. ....	.....
	14.40.5	50x40x2.5 mm (ordinary type)	each	Rs. ....	.....
19	14.42	White washing with lime to give an even shade :			
	14.42.1	Old work (two or more coats)	sqm	Rs. ....	.....
	14.42.2	Old work (one or more coats)	sqm	Rs. ....	.....
20	15.1	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineer in charge.	cum	Rs. ....	.....
21	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.			
	15.2.1	1:3:6 or richer mix	cum	Rs. ....	.....
	15.2.2	1:4:8 or leaner mix	cum	Rs. ....	.....
22	15.3	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.	cum	Rs. ....	.....
23	15.4	Demolishing R.B. 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.	cum	Rs. ....	.....
24	15.5	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer - in -charge.	sqm	Rs. ....	.....
25	15.6	Extra for scrapping, cleaning and straightening reinforcement from R.C.C. or R.B. work	kg	Rs. ....	.....

26	15.9	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge:			
	15.9.1	In lime mortar	cum	Rs. ....	.....
	15.9.2	In cement mortar	cum	Rs. ....	.....
27	15.19	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	kg	Rs. ....	.....
28	15.20	Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional span of one metre or part thereof beyond 10 metres	kg per metre span	Rs. ....	.....
29	15.21	Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional height of one metre or part thereof beyond 5 metres.	kg per metre span	Rs. ....	.....
30	15.22	Extra for marking of structural steel work required to be re-erected.	kg	Rs. ....	.....
31	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	Rs. ....	.....
	15.23.2	For thickness of tiles above 25 mm and up to 40 mm	sqm	Rs. ....	.....
32	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	sqm	Rs. ....	.....
33	15.36	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.	kg	Rs. ....	.....
34	15.44	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :			
	15.44.1	15 mm to 40 mm nominal bore	metre	Rs. ....	.....
	15.44.2	Above 40 mm nominal bore	metre	Rs. ....	.....
35	15.45	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes, lead at site within 50 metre lead as per direction of Engineerin- charge:			
	15.45.1	Up to 150 mm diameter	metre	Rs. ....	.....

	15.45.2	Above 150 mm dia up to 300 mm dia.	metre	Rs. ....	.....
	15.45.3	Above 300 mm diameter	metre	Rs. ....	.....
36	15.47	Dismantling asbestos cement pressure pipes including excavation and refilling trenches after taking out the pipes manually/ by mechanical means and stacking the pipes within 50 metres lead as per direction of Engineer-in-charge:			
	15.47.1	Up to 150 mm diameter	metre	Rs. ....	.....
	15.47.2	Above 150 mm diameter	metre	Rs. ....	.....
37	15.52	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	Rs. ....	.....
38	15.53	Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres			
	15.53.1	Up to 150 mm diameter	each	Rs. ....	.....
	15.53.2	Above 150 mm diameter	each	Rs. ....	.....
39	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	sqm	Rs. ....	.....
		CEMENT PLASTER (IN COARSE SAND)			
40	13.4	12 mm cement plaster of mix :			
	13.4.1	1:4 (1 cement: 4 coarse sand)	sqm	Rs. ....	.....
	13.4.2	1:6 (1 cement: 6 coarse sand)	sqm	Rs. ....	.....
41	13.5	15 mm cement plaster on rough side of single or half brick wall of mix :			
	13.5.1	1:4 (1 cement: 4 coarse sand)	sqm	Rs. ....	.....
	13.5.2	1:6 (1 cement: 6 coarse sand)	sqm	Rs. ....	.....
42	13.6	20 mm cement plaster of mix :			
	13.6.1	1:4 (1 cement: 4 coarse sand)	sqm	Rs. ....	.....
	13.6.2	1:6 (1 cement: 6 coarse sand)	sqm	Rs. ....	.....
		CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT			
43	13.7	12 mm cement plaster finished with a floating coat of neat cement of mix:			
	13.7.1	1:3 (1 cement: 3 fine sand)	sqm	Rs. ....	.....
	13.7.2	1:4 (1 cement: 4 fine sand)	sqm	Rs. ....	.....
44	13.8	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix:			
	13.8.1	1:3 (1 cement: 3 fine sand)	sqm	Rs. ....	.....

	13.8.2	1:4 (1 cement: 4 fine sand)	sqm	Rs. ....	.....
45	13.9	12 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.	sqm	Rs. ....	.....
46	13.10	15 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall.	sqm	Rs. ....	.....
		6 MM CEMENT PLASTER			
47	13.16	6 mm cement plaster of mix :			
	13.16.1	1:3 (1 cement: 3 fine sand)	sqm	Rs. ....	.....
48	13.17	6 mm cement plaster 1:3 (1 cement: 3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams.	sqm	Rs. ....	.....
49	13.18	Neat cement punning	sqm	Rs. ....	.....
		ROUGH CAST PLASTER			
50	13.23	Extra for plastering on circular work not exceeding 6 m in radius:			
	13.23.1	In one coat	sqm	Rs. ....	.....
	13.23.2	In two coats	sqm	Rs. ....	.....
51	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	sqm	Rs. ....	.....
		POINTING ON TILE BRICK WORK			
52	13.32	Pointing on tile brick work with cement mortar 1:3 (1 cement:3 fine sand):			
	13.32.1	Flush/ Ruled/ Struck or weathered pointing	sqm	Rs. ....	.....
		POINTING ON STONE WORK			
53	13.33	Pointing on stone work with cement mortar 1:3 (1 cement: 3 fine sand):			
	13.33.1	Flush/ Ruled pointing	sqm	Rs. ....	.....
	13.33.2	Raised and cut pointing	sqm	Rs. ....	.....
54	13.34	Raised and cut pointing on stone work in white cement mortar 1:3 (1 white cement: 3 marble dust)	sqm	Rs. ....	.....
55	13.35	Pointing on stone slab ceiling with cement mortar 1:2 (1 cement: 2 fine sand):			
	13.35.1	Flush/ Ruled pointing	sqm	Rs. ....	.....

56	13.72	Washed stone grit plaster on exterior walls of height upto 10 M. above level in two layers, under layer 12mm cement plaster 1:4 (1 cement: 4 coarse sand) furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement: 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing, the top layer with brushes and water to expose the stone chippings ,complete as per specification and direction of Engineer-in- charge (Payment for providing grooves shall be made separately).	sqm	Rs. ....	.....
57	13.73	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charge :		Rs. ....	.....
	13.73.1	15 mm wide and 15 mm deep groove	metre	Rs. ....	.....
	13.73.2	20 mm wide and 15 mm deep groove	metre	Rs. ....	.....
58	13.74	Extra for washed grit plaster on exterior walls of height more than 10m from ground level for every additional height of 3 m or part thereof.	sqm	Rs. ....	.....
59	13.75	Extra for washed stone grit plaster on circular work not exceeding 6m in radius (in two coats).	sqm	Rs. ....	.....
60	13.76	Forming groove of uniform size from 12x12mm and upto 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and direction of the Engineer-in-Charge.	metre	Rs. ....	.....
61	13.77	Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster.	sqm	Rs. ....	.....
62	13.78	Providing and applying 12 mm thick (average) premixed formulated one coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite/ perlite respectively conforming to IS: 2547 (Part - 1 & II) 1976, applied on hacked / uneven background such as bare brick/ block/ RCC work on walls & ceiling at all floors and locations, finished in smooth line and level etc. complete.	sqm	Rs. ....	.....

63	15.45	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes, lead at site within 50 metre lead as per direction of Engineer-in-charge:			
	15.45.1	Up to 150 mm diameter		Rs. ....	.....
64	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) 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.	One Square Metre	Rs. ....	.....
65	11.4	Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.	One Square Metre	Rs. ....	.....
66	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	One Square Metre	Rs. ....	.....
67	17.60	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :			
	17.60.1	100 mm inlet and 100 mm outlet		Rs. ....	.....
	17.60.1.1	Sand cast iron S&S as per IS: 3989.	each	Rs. ....	.....
68	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern 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 :			
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	each	Rs. ....	.....

69	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern 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:			
	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	each	Rs. ....	.....
70	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :			
	17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.	each	Rs. ....	.....
	17.7.2	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap.	each	Rs. ....	.....
	17.7.3	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps.	each	Rs. ....	.....
	17.7.4	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	each	Rs. ....	.....
	17.7.5	White Vitreous China Angle back wash basin size 600x480 mm with single 15 mm C.P. brass pillar tap.	each	Rs. ....	.....
	17.7.6	White Vitreous China Angle back wash basin size 400x400 mm with single 15 mm C.P. brass pillar tap.	each	Rs. ....	.....
	17.7.7	White Vitreous China Flat back wash basin size 450x300 mm with single 15 mm C.P. brass pillar tap.	each	Rs. ....	.....
71	17.9	Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required:			
	17.9.1	White glazed fire clay kitchen sink of size 600x450x250 mm.	each	Rs. ....	.....
72	17.11	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug 40mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete including painting of fittings and brackets, cutting and making good the wall wherever required :			
	17.11.1	Size 450x300x150mm	each	Rs. ....	.....
	17.11.2	Size 600x450x200mm	each	Rs. ....	.....

73	17.18	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.			
	17.18.1	10 litre capacity - White	each	Rs. ....	.....
74	17.26	Providing and fixing kitchen sink including making all connections excluding cost of fittings.			
	17.26.1	White glazed fire clay sink of size 600x450x250mm.	each	Rs. ....	.....
75	17.27	Providing and fixing white vitreous china laboratory sink including making all connections excluding cost of fittings:			
	17.27.1	Size 450x300x150 mm.	each	Rs. ....	.....
	17.27.2	Size 600x450x200 mm.	each	Rs. ....	.....
76	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.			
	17.28.1	Semi rigid pipe			
	17.28.1.1	32 mm dia	each	Rs. ....	.....
	17.28.1.2	40 mm dia	each	Rs. ....	.....
	17.28.2	Flexible pipe			
	17.28.2.1	32 mm dia	each	Rs. ....	.....
	17.28.2.2	40 mm dia	each	Rs. ....	.....
77	17.35	Providing and fixing soil, waste and vent pipes :			
	17.35.1	100 mm dia.			
	17.35.1.1	Sand cast iron S&S pipe as per IS: 1729.	metre	Rs. ....	.....
	17.35.1.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	metre	Rs. ....	.....
	17.35.2	75 mm dia.			
	17.35.2.1	Sand cast iron S&S pipe as per IS: 1729.	metre	Rs. ....	.....
	17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS: 3989.	metre	Rs. ....	.....
78	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.			
	17.38.1	100 mm			
	17.38.1.1	Sand cast iron S&S as per IS - 1729	each	Rs. ....	.....
	17.38.1.2	Sand cast iron S&S as per IS - 3989	each	Rs. ....	.....
	17.38.2	75 mm dia			
	17.38.2.1	Sand cast iron S&S as per IS - 1729	each	Rs. ....	.....
	17.38.2.2	Sand cast iron S&S as per IS - 3989	each	Rs. ....	.....
79	17.39	Providing and fixing plain bend of required degree.			
	17.39.1	100 mm			

	17.39.1.1	Sand cast iron S&S as per IS - 1729	each	Rs. ....	.....
	17.39.1.2	Sand cast iron S&S as per IS - 3989	each	Rs. ....	.....
	17.39.2	75 mm			
	17.39.2.1	Sand cast iron S&S as per IS - 1729	each	Rs. ....	.....
	17.39.2.2	Sand cast iron S&S as per IS - 3989	each	Rs. ....	.....
80	17.40	Providing and fixing heel rest sanitary bend			
	17.40.1	100 mm			
	17.40.1.1	Sand cast iron S&S as per IS - 1729	each	Rs. ....	.....
81	17.53	Providing and fixing sand cast iron S&S off sets as per IS: 1729			
	17.53.1	76 mm off sets			
	17.53.1.1	With 75 mm dia. pipe	each	Rs. ....	.....
	17.53.1.2	With 100 mm dia. pipe	each	Rs. ....	.....
82	2.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed :			
	2.1.1	All kinds of soil	sqm	Rs. ....	.....
83	2.2	Earth work in rough excavation, banking excavated earth in layers not exceeding 20 cm in depth, breaking clods watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and lift upto 1.5 m :			
	2.2.1	All kinds of soil	cum	Rs. ....	.....
84	2.9	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sqm on plan including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m.		Rs. ....	.....
	2.9.1	Ordinary rock	cum	Rs. ....	.....
	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :			
	2.10.1	All kinds of soil			

	2.10.1.1	Pipes, cables etc, not exceeding 80 mm dia.	RM	Rs. ....	.....
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	one metre	Rs. ....	.....
	2.10.1.3	Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm.	one metre	Rs. ....	.....
		CEMENT CONCRETE (CAST – IN- SITU)			
85	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:			
	4.1.2	1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size).	cum	Rs. ....	.....
	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	Rs. ....	.....
	4.1.4	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size).	cum	Rs. ....	.....
	4.1.5	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	cum	Rs. ....	.....
	4.1.6	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size).	cum	Rs. ....	.....
	4.1.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	cum	Rs. ....	.....
	4.1.10	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	cum	Rs. ....	.....
86	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	sqm	Rs. ....	.....
87	6.4	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in :			
	6.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	one cum	Rs. ....	.....
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	one cum	Rs. ....	.....
88	6.13	Half brick masonry with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level.			
	6.13.1	Cement mortar 1:3 (1 cement :3 coarse sand)	one sqm	Rs. ....	.....
	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	one sqm	Rs. ....	.....

89	8.1	Marble work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work) in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade: (To be secured to the backing by means of cramps, which shall be paid for separately).			
	8.1.1	Raj Nagar plain white marble/ Udaipur green marble/ Zebra black marble.			
	8.1.1.1	Area of slab upto 0.50 sqm	Sqm	Rs. ....	.....
	8.1.1.2	Area of slab over 0.50 sqm	Sqm	Rs. ....	.....
90	8.2	Providing and fixing 18mm 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 of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.			
	8.2.1	Raj Nagar plain white marble/ Udaipur green marble/ Zebra black marble.			
	8.2.1.1	Area of slab upto 0.50 sqm	Sqm	Rs. ....	.....
	8.2.1.2	Area of slab over 0.50 sqm	Sqm	Rs. ....	.....
	8.2.2	Granite of any colour and shade			
	8.2.2.1	Area of slab upto 0.50 sqm	Sqm	Rs. ....	.....
	8.2.2.2	Area of slab over 0.50 sqm	Sqm	Rs. ....	.....
91	8.3	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.			
	8.3.1	Marble work	Rm	Rs. ....	.....
	8.3.2	Granite work	Rm	Rs. ....	.....
92	8.4	Extra for fixing marble /granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive including cleaning etc. complete.	Rm	Rs. ....	.....
93	8.5	Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete.	Each	Rs. ....	.....

94	8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	sqm	Rs. ....	.....
95	11.44	Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar@ 1 kg per 50 kg of cement , all complete as per direction of Engineer-in-charge.	sqm	Rs. ....	.....
		POINTING ON STONE WORK			
96	13.33	Pointing on stone work with cement mortar 1:3 (1 cement: 3 fine sand):			
	13.33.1	Flush/ Ruled pointing	sqm	Rs. ....	.....
	13.33.2	Raised and cut pointing	sqm	Rs. ....	.....
97	13.34	Raised and cut pointing on stone work in white cement mortar 1:3 (1 white cement: 3 marble dust)	sqm	Rs. ....	.....
98	13.35	Pointing on stone slab ceiling with cement mortar 1:2 (1 cement: 2 fine sand):			
	13.35.1	Flush/ Ruled pointing	sqm	Rs. ....	.....
99	7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at plinth level with :			
	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	Rs. ....	.....
100	7.6	Coursed rubble masonry (first sort) with hard stone in foundation and plinth with :			
	7.6.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	Rs. ....	.....
101	7.7	Coursed rubble masonry (second sort) with hard stone in foundation & plinth with :			
	7.7.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	Rs. ....	.....
102	7.12	Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :			
	7.12.1	One face dressed.			
	7.12.1.1	Red sand stone	cum	Rs. ....	.....
	7.12.1.2	White sand stone	cum	Rs. ....	.....
	7.12.2	Both face dressed.			
	7.12.2.1	Red sand stone.	cum	Rs. ....	.....

	7.12.2.2	White sand stone	cum	Rs. ....	.....
103	8.14	Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :			
	(a)	Red sand stone - exposed face fine dressed with rough backing.			
	8.14.1.1	70 mm thick.	One Square Metre	Rs. ....	.....
	8.14.1.2	60 mm thick.	One Square Metre	Rs. ....	.....
	8.14.1.3	50 mm thick.	One Square Metre	Rs. ....	.....
	8.14.1.4	40 mm thick.	One Square Metre	Rs. ....	.....
	8.14.1.5	30 mm thick.	One Square Metre	Rs. ....	.....
		Red sand stone - Exposed face machine cut and table rubbed with rough backing.			
	8.14.2.1	70 mm thick	One Square Metre	Rs. ....	.....
	8.14.2.2	60 mm thick	One Square Metre	Rs. ....	.....
	8.14.2.3	50 mm thick	One Square Metre	Rs. ....	.....
	8.14.2.4	40 mm thick	One Square Metre	Rs. ....	.....
	8.14.2.5	30 mm thick	One Square Metre	Rs. ....	.....
	(b)	White sand stone - exposed face fine dressed with rough backing .			
	8.14.3.1	70 mm thick.	One Square Metre	Rs. ....	.....
	8.14.3.2	60 mm thick.	One Square Metre	Rs. ....	.....
	8.14.3.3	50 mm thick.	One Square Metre	Rs. ....	.....
	8.14.3.4	40 mm thick.	One Square Metre	Rs. ....	.....

	8.14.3.5	30 mm thick.	One Square Metre	Rs. ....	.....
	(b)	White sand stone - Exposed face machine cut and table rubbed with rough backing.			
	8.14.4.1	70 mm thick.	One Square Metre	Rs. ....	.....
	8.14.4.2	60 mm thick.	One Square Metre	Rs. ....	.....
	8.14.4.3	50 mm thick.	One Square Metre	Rs. ....	.....
	8.14.4.4	40 mm thick.	One Square Metre	Rs. ....	.....
	8.14.4.5	30 mm thick.	One Square Metre	Rs. ....	.....
	7.24	Extra for stone work (veneer work) curved on plan with a mean radius not exceeding 6 m.	One Cubic Metre	Rs. ....	.....
104	7.29	Providing and fixing horizontal chajja of stone 40 mm thick and upto 80 cm projection in cement mortar 1:4 (1 cement : 4 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:			
	7.29.1	Red sand stone	cum	Rs. ....	.....
	7.29.2	White sand stone	cum	Rs. ....	.....
105	7.30	30mm red sand stone sun-shade (chisel-dressed) supported on red sand stone brackets, fixed in walls with cement mortar 1:4 (1 cement : 4 coarse sand) including finishing complete.	cum	Rs. ....	.....
106	7.32	Stone work, plain in copings, cornices, string courses and plinth courses, upto 75 mm thick in Cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.			
	7.32.1	Red sand stone	cum	Rs. ....	.....
	7.32.2	White sand stone	cum	Rs. ....	.....
107	11.41	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.			

	11.41.2	Size of Tile 60x60 cm	Sqm	Rs. ....	.....
108	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.			
		Internal work - Exposed on wall			
	18.7.1	15 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.7.2	20 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.7.3	25 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.7.4	32 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.7.5	40 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.7.6	50 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
109	18.8	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.			
	18.8.1	15 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.8.2	20 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.8.3	25 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.8.4	32 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
110	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.			
		External work			
	18.9.1	15 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.9.2	20 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.9.3	25 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.9.4	32 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.9.5	40 mm nominal outer dia .Pipes.	metre	Rs. ....	.....

	18.9.6	50 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.9.7	62.5 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.9.8	75 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.9.9	100 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
	18.9.10	150 mm nominal outer dia .Pipes.	metre	Rs. ....	.....
111	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc.			
		Internal work – Exposed on wall.			
	18.10.1	15 mm dia. nominal bore	metre	Rs. ....	.....
	18.10.2	20 mm dia. nominal bore	metre	Rs. ....	.....
	18.10.3	25 mm dia. nominal bore	metre	Rs. ....	.....
	18.10.4	32 mm dia. nominal bore	metre	Rs. ....	.....
	18.10.5	40 mm dia. nominal bore	metre	Rs. ....	.....
	18.10.6	50 mm dia. nominal bore	metre	Rs. ....	.....
112	18.11	Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall			
	18.11.1	15 mm dia nominal bore	metre	Rs. ....	.....
	18.11.2	20 mm dia nominal bore	metre	Rs. ....	.....
	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.			
		External work			
	18.12.1	15 mm dia. nominal bore	metre	Rs. ....	.....
	18.12.2	20 mm dia. nominal bore	metre	Rs. ....	.....
	18.12.3	25 mm dia. nominal bore	metre	Rs. ....	.....
	18.12.4	32 mm dia. nominal bore	metre	Rs. ....	.....
	18.12.5	40 mm dia. nominal bore	metre	Rs. ....	.....
	18.12.6	50 mm dia. nominal bore	metre	Rs. ....	.....
	18.12.7	65 mm dia. nominal bore	metre	Rs. ....	.....
	18.12.8	80 mm dia. nominal bore	metre	Rs. ....	.....
113	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :			
	18.13.1	25 to 40 mm nominal bore	each	Rs. ....	.....
	18.13.2	50 to 80 mm nominal bore	each	Rs. ....	.....
114	18.14	Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid separately).	each	Rs. ....	.....

		BRASS FITTINGS			
115	18.15	Providing and fixing brass bib cock of approved quality :			
	18.15.1	15 mm nominal bore	each	Rs. ....	.....
	18.15.2	20 mm nominal bore	each	Rs. ....	.....
116	18.16	Providing and fixing brass stop cock of approved quality :			
	18.16.1	15 mm nominal bore	each	Rs. ....	.....
	18.16.2	20 mm nominal bore	each	Rs. ....	.....
117	18.17	18.17 Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
	18.17.1	25 mm nominal bore	each	Rs. ....	.....
	18.17.2	32 mm nominal bore.	each	Rs. ....	.....
	18.17.3	40 mm nominal bore	each	Rs. ....	.....
	18.17.4	50 mm nominal bore	each	Rs. ....	.....
	18.17.5	65 mm nominal bore	each	Rs. ....	.....
	18.17.6	80 mm nominal bore	each	Rs. ....	.....
118	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	per litre	Rs. ....	.....
		C.P.BRASS FITTINGS.			
119	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931			
	18.49.1	15 mm nominal bore.	each	Rs. ....	.....
120	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.			
	18.50.1	15 mm nominal bore.	each	Rs. ....	.....
121	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.			
	18.51.1	15 mm nominal bore	each	Rs. ....	.....
122	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.			
	18.52.1	15 mm nominal bore.	each	Rs. ....	.....
123	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore			
	18.53.1	15mm nominal bore	each	Rs. ....	.....

124	9.27	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :			
	9.27.1	35 mm thick shutters			
	9.27.1.1.2	Kiln seasoned and chemically treated hollock wood	sqm	Rs. ....	.....
125	9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete.			
	9.48.1	Fixed to steel windows by welding.	kg	Rs. ....	.....
	9.48.2	Fixed to openings /wooden frames with rawl plugs screws etc.	kg	Rs. ....	.....
126	9.117	Providing and fixing factory made UPVC door frame made of UPVC extruded section having an overall dimension as below (tolerance ± 1 mm) with wall thickness $2.0\text{mm} \pm 0.2\text{mm}$, corners of the door frame to be mitred and welded of plastic, galvanized brackets and stainless steel screws. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and $1\text{mm} \pm 0.1\text{mm}$ wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge.			
	9.117.1	Extruded section profile size 48x40 mm.	metre	Rs. ....	.....
	9.117.2	Extruded section profile size 42x50 mm.	metre	Rs. ....	.....
127	9.118	Providing and fixing to existing door frames.			
	9.118.1	24 mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24 mm and wall thickness $2\text{ mm} \pm 0.2\text{ mm}$ with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and $1\text{ mm} \pm 0.1\text{ mm}$ wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x24 mm and $2\text{ mm} \pm$			
		0.2 mm wall hollow section of size 100x24 mm and $2\text{ mm} \pm 0.2\text{ mm}$ wall thickness fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less sqm than 620 mm, having over all thickness of 20 mm and $1\text{ mm} \pm 0.1\text{ mm}$ wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in- charge. (For W.C. and bathroom door shutter).	sqm	Rs. ....	.....

	9.118.2	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a UPVC hollow section of size 60x30 mm and wall thickness 2 mm \pm 0.2 mm with inbuilt decorative moulding edging on one side. The styles and rails mitred and joined at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm \pm 0.1 mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x30 mm and 2 mm \pm 0.2 mm wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm \pm 0.1 mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	sqm	Rs.	
	9.118.3	25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25mm or less as per requirement with an average wall thickness of 1mm \pm 0.3mm. PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25MM X 11MM. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places	sqm	Rs. ....	.....
128	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.			
	11.3.1	40mm thick with 20mm nominal size stone aggregate.	sqm	Rs.	
129	18.32	Constructing masonry Chamber 30x30x50 cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement :5 fine sand:10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design :			
	18.32.1	With F.P.S. bricks	each	Rs. ....	.....

130	18.33	Constructing masonry Chamber 60x60x75 cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design:			
	18.33.1	With F.P.S. bricks	each	Rs. ....	.....
131	18.34	18.34 Constructing masonry Chamber 90x90x100 cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :			
	18.34.1	With F.P.S. bricks	each	Rs. ....	.....
132	18.35	Constructing masonry Chamber 120x120x100 cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design:			
	18.35.1	With F.P.S. bricks	each	Rs.	
133	18.36	Constructing masonry Chamber 60x60x75 cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm. top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :			
	18.36.1	With F.P.S. bricks	each	Rs.	

134	18.37	Constructing masonry Chamber 60x45x50 cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200 mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :			
	18.37.1	With F.P.S. bricks	each	Rs. ....	.....
135	19.26	Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) :			
	19.26.1	Rectangular manhole 90x80 cm with rectangular cover 600x450 mm of grade LD - 2.5	each	Rs. ....	.....
	19.26.2	Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10	each	Rs. ....	.....
	19.26.3	Rectangular manhole 120x90 cm with circular cover 560 mm dia of grade HD - 20	each	Rs. ....	.....
	19.26.4	Circular manhole 140 cm dia with circular cover 600 mm dia of grade EHD - 35	each	Rs. ....	.....
136	19.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :			
	19.27.1	With F.P.S. bricks	each	Rs. ....	.....
137	19.28	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) with pre-cast R.C.C. vertical grating complete as per standard design :			
	19.28.1	With F.P.S. Bricks	each	Rs. ....	.....
138	19.29	Constructing brick masonry road gully chamber 110x50x77.5 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame and vertical grating complete as per standard design :			
	19.29.1	With F.P.S. bricks	each	Rs. ....	.....

139	19.30	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with 75 class designation bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :			
	19.30.1	Inside dimensions 455x610 mm and 45 cm deep for single pipe line :			
	19.30.1.1	With F.P.S. bricks	each	Rs. ....	.....
	19.30.2	Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets :			
	19.30.2.1	With F.P.S. bricks	each	Rs. ....	.....
	19.30.3	Inside dimensions 600x 850 mm and 45 cm deep for pipe line with three or more inlets :			
	19.30.3.1	With F.P.S. bricks	each	Rs. ....	.....
140	10.15	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with L-Type section made of 1.60mm thick M.S. Sheet, joints mitred and welded and grinded finish profiles required size with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primers.	kg	Rs. ....	.....
141	10.16	Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete.			
	10.16.1	Hot finished welded type tubes.	kg	Rs. ....	.....
142	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:	kg	Rs. ....	.....
<u>ELECTRIC WORK</u>					

1	1.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	Each	Rs. ....	.....
2	1.13	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Par Metre	Rs. ....	.....
3	1.14	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.			
	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Par Metre	Rs. ....	.....
	1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Par Metre	Rs. ....	.....
4	1.32	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 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	Rs. ....	.....
5	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	Rs. ....	.....
6	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)			
	2.3.4	16 way, Double door	Each	Rs. ....	.....
7	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 4 way (4 + 24), Double door			
	2.4.1	4 way (4 + 12), Double door	Each	Rs. ....	.....

8	2.18	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A, "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required	Each	Rs. ....	.....
9	7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.			
	7.1.1	Upto 35 sq. mm	metre	Rs. ....	.....
10	7.7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on wall surface as required.			
	7.7.2	Upto 35 sq. mm (clamped with 1mm thick saddle)	meter	Rs. ....	.....
11	1.15	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductors single 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.			
	1.15.3	Group C	point	Rs. ....	.....
12	1.23	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.			
	1.23.1	5/6 amps switch	Each	Rs. ....	.....
	1.23.2	2 way 5/6 A switch	Each	Rs. ....	.....
	1.23.3	15/16 A switch	Each	Rs. ....	.....
	1.23.4	3 pin 5/6 A socket outlet	Each	Rs. ....	.....
	1.23.5	6 pin 15/16 A socket outlet	Each	Rs. ....	.....
	1.23.6	Telephone socket outlet	Each	Rs. ....	.....
	1.23.7	TV antenna socket outlet	Each	Rs. ....	.....
	1.23.8	Bell push Each 64	Each	Rs. ....	.....
13	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.			
	1.24.1	5/6 A switch	Each	Rs. ....	.....
	1.24.2	2 way 5/6 A switch	Each	Rs. ....	.....
	1.24.3	15/16 A switch	Each	Rs. ....	.....
	1.24.4	3 pin 5/6 A socket outlet	Each	Rs. ....	.....

	1.24.5	6 pin 15/16 A socket outlet	Each	Rs. ....	.....
	1.24.6	Telephone socket outlet	Each	Rs. ....	.....
	1.24.7	TV antenna socket outlet	Each	Rs. ....	.....
	1.24.8	Bell push	Each	Rs. ....	.....
14	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	Rs. ....	.....
15	1.26	Supplying and fixing modular blanking plate on the existing modular plate & cover plate for modular switches in recess etc.as required.	Each	Rs. ....	.....
16	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.			
	1.27.1	1 or 2 Module (75mmX75mm)	Each	Rs. ....	.....
	1.27.2	3 Module (100mmX75mm)	Each	Rs. ....	.....
	1.27.3	4 Module (125mmX75mm)	Each	Rs. ....	.....
	1.27.4	6 Module (200mmX75mm)	Each	Rs. ....	.....
	1.27.5	8 Module (125mmX125mm)	Each	Rs. ....	.....
	1.27.6	12 Module (200mmX150mm)	Each	Rs. ....	.....
17	1.28	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.			
	1.28.1	1 or 2 Module	Each	Rs. ....	.....
	1.28.2	3 Module	Each	Rs. ....	.....
	1.28.3	4 Module	Each	Rs. ....	.....
	1.28.4	6 Module	Each	Rs. ....	.....
	1.28.5	8 Module	Each	Rs. ....	.....
	1.28.6	12 Module Each 227	Each	Rs. ....	.....
18	1.29	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch,connections, painting etc. as required.	Each	Rs. ....	.....
19	1.30	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc.	Each	Rs. ....	.....

20	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required	Each	Rs. ....	.....
21	1.32	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.	Each	Rs. ....	.....
22	1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	Rs. ....	.....
23	1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	Rs. ....	.....
24	1.35	Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	Each	Rs. ....	.....
25	10.6	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :			
	10.6.1	70 sq. mm	Each	Rs. ....	.....
	10.6.2	120 sq. mm	Each	Rs. ....	.....
	10.6.3	240 sq. mm	Each	Rs. ....	.....
	10.6.4	300 sq. mm	Each	Rs. ....	.....

Note : **Above Rates are based as par DSR 2018(Civil & Electric) of CPWD.**

I/we agree to the forfeiture of the earnest money deposited by me/us in connection with this tender if I/we fail to comply with any of the terms & conditions in whole or in part as laid down in the quotation form. We have carefully read the terms and conditions of the tender and agree to abide by these in letter and spirit.

Full Name and address of the agency/firm

M/s.....
.....
.....

Place :

Date :