

GOVERNMENT OF RAJASTHAN

DEPARTMENT OF ARCHAEOLOGY & MUSEUMS, RAJASTHAN, JAIPUR.

TENDER FORM

- 1 NAME OF WORK –
- 2 Name of full postal address of the firm.....
.....
.....
.....
3. Reference to : NIT No. 3/2017-2018
4. We agree to abide by all conditions mentioned in Tender Notice issued by the Director, Archaeology & Museums, Rajasthan, Jaipur and also the conditions of the said tender notice given in the attached sheets (all the pages of which have been signed by me in taken of our acceptance of the terms mentioned thereby.
5. The Bid security Rs./- has been deposited vide Draft No./ Banker Cheque No./Postal Order Nos. dated in favour of Director, Archaeology & Museums, Rajasthan, Jaipur.

Accepted

Signature of the Tenderer

GOVERNMENT OF RAJASTHAN
DEPARTMENT OF ARCHAEOLOGY & MUSEUMS, RAJASTHAN, JAIPUR.

NOTICE INVITING TENDER

1. Tenders are invited for the work -
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2. Acceptance of tender will rest with the Director, Archaeology & Museums Department, Rajasthan, Jaipur who is not bounded to accept the lowest tender, reserves the right to accept or reject any or all of tenders without assigning any reason.
3. The Bid Security Amount shall be treated as a part of the Work Performance security which shall be refunded as per rules after finalization of tender. The Bid Security of the contractor whose tender is accepted shall be adjusted while deducting work performance security in the running bills as per rules.
4. The rates quoted by the contractor shall remain valid up to four months which can be extended on mutual consent.
5. Any tender discrepancies or errors or over writing shall duly signed by the contractors before tendering.
6. Any error in rates of Schedule shall be treated as per the rates of BSR on which 'G' Schedule has been prepared.
7. Tender fee shall not be refundable in any case.
8. The work performance security @10% of the gross amount of the running bill shall be deducted from each running bill and shall be refunded as per rules on completion of the contract as per terms and conditions. The Bid Security deposited shall however be adjusted while deducting work performance security from first running bill of the contractor. There will be no maximum limit of security deposit.
9. If any bidder quotes the rates below G-Schedule then he will submit the work Performance Guarantee in form of DD/BG/ FDR/NSC for the difference amount (i.e. amount of G-Schedule minus rates quoted in response to the bid) within 14 days from the date of LOA, otherwise bid security shall stand forfeited. The validity/ extended validity of work performance guarantee shall be valid for 3 months beyond the stipulated date of completion/ actual date of completion. The work performance guarantee shall be invoked if successful bidder fails to execute the work satisfactorily
10. If any tenderer withdraws his tender prior to expiry of validity period or mutually extended period or makes modification in the rates, terms and conditions of the tender within the said period. Which are not acceptable to the department or fails to commence the work in the specified period, fails to execute the agreement the department shall without prejudice to any other right or remedy,

be at liberty to forfeit the amount of Bid Security given in any form absolutely. If any contractor, who having submitted a tender does not execute the agreement or start the work or does not complete the work and work has to be putting retendering, he shall stand debarred from participating such retendering in addition to forfeiture of Bid Security/ Work Performance Security and other action under agreement.

11. If it is found that the tender is not submitted in proper manner, or contains too many corrections and or unreasonable rates or amounts it would be open for the Director, Archaeology and Museums not to consider the tender, forfeit the amount of Bid Security.
12. Contractors shall submit only unconditional tenders, conditional tenders are liable to rejected summarily.
13. Special conditions regarding the execution of work as attached may be read carefully before tendering.
14. Contractor/Firm shall require registration of workers under the Building and other construction workers (Regulation of Employment & conditions of Services) Act, 1996 and extension of benefit to such workers under the Act.
15. Escalation claim is not acceptable.
16. All the quality control tests as desired by the departmental staff shall have to be arranged by the Contractor at his own cost and no departmental material or labour will be made available.
17. **Any person participating in a procurement process shall-**
 - (a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process.
 - (b) Not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation.
 - (c) Not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process.
 - (d) Not misuse any information shared between the procuring entity and bidders with intent to gain unfair advantage in the procurement process.
 - (e) Not indulge in any coercion including impairing or harming or threatening to the same directly or indirectly to any party or to its property to influence the procurement process.
 - (f) Not obstruct any investigation or audit of a procurement process.
 - (g) Disclose conflict or interest if any and
 - (h) Disclose any previous transgressions with any entity in India or any other country during the last three years or any debarment by any other procuring entity.

18. **Conflict of interest :-**

The bidder participating in a bidding process must not have a conflict of interest.

A conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities contractual obligations or compliance with applicable laws and regulations.

A bidder may be considered to be in conflict of interest with one or more parties in a bidding process if including but not limited to :

- (a) Have controlling partners/shareholders in common or
 - (b) Receive or have received any direct or indirect subsidy from any of them
 - (c) Have the same legal representative for purposes of the bid
 - (d) Have a relationship with each other, directly or through common third parties that puts them in a position to have access to information about or influence on the bid of another bidder or influence the decisions of the procuring entity regarding the bidding process
 - (e) The bidder participates in more than one bid in a bidding process. Participation by a bidder in more than one bid will result in the disqualification of all bids in which the bidder is involved. However this does not limit the inclusion of the same subcontractor not otherwise participation as bidder in more than one bid
 - (f) The bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods, works or services that are the subject of the bid.
 - (g) Bidder or any of its affiliates has been hired (or is proposed to be hired) by the procuring entity as engineer-in-charge/consultant for the contract
19. Grievance redressal during procurement process shall be as per annexure-C of RTPP rules. The first appellate authority is Director, Archaeology and Museum and second appellate authority is Additional Chief Secretary, Art and culture.

**Executive Engineer
Archaeology & Museums,
Rajasthan, Jaipur**

Accepted

Signature of the Tenderer

निविदा की सामान्य शर्तें-

1. निविदा में भाग लेने वाले निविदादाताओं को इन्टरनेट साईट <http://eproc.rajasthan.gov.in> पर रजिस्टर करवाना होगा। ऑनलाइन निविदा में भाग लेने के लिए डिजिटल सिग्नेचर सर्टिफिकेट इन्फोरमेशन टेक्नोलॉजी एक्ट-2000 के तहत प्राप्त करना होगा जो इलेक्ट्रॉनिक निविदा में हस्ताक्षर करने हेतु काम आयेगा। निविदादाता उपरोक्त डिजिटल सिग्नेचर सर्टिफिकेट सी.सी.ए. (CCA) द्वारा स्वीकृत एजेन्सी से प्राप्त कर सकते हैं। जिन निविदादाताओं के पास पूर्व में वैध डिजिटल सिग्नेचर सर्टिफिकेट है, नया डिजिटल सिग्नेचर सर्टिफिकेट लेने की आवश्यकता नहीं है।
2. निविदादाताओं को निविदा प्रपत्र इलेक्ट्रॉनिक फोरमेट में उपरोक्त वेबसाईट पर डिजिटल हस्ताक्षर के साथ प्रस्तुत करना होगा। जिनके प्रस्ताव डिजिटल हस्ताक्षर के साथ नहीं होंगे उनके प्रस्ताव स्वीकार नहीं किये जायेंगे।
3. इलेक्ट्रॉनिक निविदा प्रपत्र को जमा करवाने से पूर्व निविदादाता यह सुनिश्चित कर लेवे कि निविदा प्रपत्र से संबंधित सभी आवश्यक दस्तावेजों की स्केन कॉपी निविदा प्रपत्रों के साथ संलग्न कर दी गयी है।
4. किसी निविदादाता द्वारा यदि इलेक्ट्रॉनिक निविदा प्रपत्र जमा करवाने में देरी हो जाती है तो उसके लिए यह विभाग जिम्मेदार नहीं होगा।
5. निविदा प्रपत्र की सभी सूचियों को सम्पूर्ण रूप से भरकर ऑनलाइन दर्ज करें।
6. ऑनलाइन निविदा भरते समय सम्बन्धित निर्देशों का पालन नहीं करने के परिणामस्वरूप निविदा प्रक्रिया में उत्पन्न किसी भी प्रकार की बाधा के लिए यह विभाग जिम्मेदार नहीं होगा।
7. निविदा में संशोधन, निविदा जारी करने के उपरान्त वेबसाईट <http://eproc.rajasthan.gov.in>, <http://museumsrajasthan.gov.in> एवं <http://sppp.rajasthan.gov.in> वेबसाईट पर ही जारी किये जायेंगे। निविदादाताओं द्वारा वेब (ई-मेल) पर संशोधन/स्पष्टीकरणों को प्राप्त नहीं करने के सम्बन्ध में किसी भी दावे को स्वीकार नहीं किया जायेगा।
8. ऑनलाइन तकनीकी निविदा के साथ आयकर विभाग के स्थायी खाता संख्या (PAN) तथा वाणिज्यिक कर विभाग से प्राप्त नवीनतम बिक्री कर चुकता प्रमाण पत्र की सत्यापित फोटो प्रतियां प्रस्तुत करनी होंगी।
9. ऑनलाइन तकनीकी निविदा के साथ पंजीकरण प्रमाण पत्र, पंजीयन संख्या तथा अन्य तकनीकी सूचनायें प्रस्तुत करनी होंगी।
10. पंजीकृत संवेदको को ऑनलाईन आवेदन के साथ आवश्यक श्रेणी में पंजीकरण प्रमाण पत्र की प्रमाणित प्रति/बिक्रीकर चुकता प्रमाण पत्र (गत छः माह तक का), आयकर विभाग के स्थायी खाता संख्या (PAN) की प्रमाणित प्रति तथा अन्य तकनीकी सूचनाएँ संलग्न करनी होंगी।
11. "पंजीकृत फर्मों को निविदा राशि के समान मूल्य के विगत 5 (पांच) वर्षों के दौरान सफलतापूर्वक पूर्ण किए गए कार्यों का अनुभव होना चाहिए एवं उक्त कार्यों को सफलतापूर्वक पूर्ण करने की स्वप्रमाणित फोटो प्रति ऑनलाईन आवेदन के साथ संलग्न करनी होगी"।
12. संवेदक द्वारा निविदा राशि से कम दर (जी-शिड्युल प्रस्तुत की गई दर) प्रस्तुत करने पर कार्यादेश जारी होने के 14 दिवस में अन्तर राशि को बैंक गारन्टी/एफडीआर/बचत पत्र परफोमेन्स गारन्टी के रूप में प्रस्तुत करनी होगी अन्यथा की दशा में संवेदक की धरोहर राशि जब्त कर ली जायेगी। परफोमेन्स गारन्टी कार्य पूर्ण करने की तिथि से 3 माह पश्चात तक प्रभावी होनी चाहिए। सफलतापूर्वक कार्य पूर्ण नहीं करने की स्थिति में संवेदक की कार्य प्रतिभूति राशि जब्त कर ली जायेगी।
13. निविदा के लिए वांछित बिड प्रतिभूति राशि एवं निविदा शुल्क का डिमान्ड ड्राफ्ट अथवा बैंकर्स चैक प्रस्तुत करना होगा, जो निदेशक,, पुरातत्त्व एवं संग्रहालय विभाग, जयपुर के नाम से देय होगा। निर्धारित निविदा प्रोसेसिंग शुल्क का डी.डी. जो कि एम.डी. आर.आई.एस.एल., जयपुर के नाम से देय होगा, नियत तिथि के निर्धारित समय तक कार्यालय में जमा करवाया जाना होगा उक्त के अभाव में प्राप्त निविदाओं पर विचार नहीं किया जायेगा।

14. निविदा के दिन राजकीय अवकाश होने पर अगला कार्य दिवस माना जावेगा। तार एवं फैंक्स आदि से प्राप्त निविदा स्वीकार नहीं की जावेगी।
15. किसी भी निविदा को बिना कारण बताये निरस्त करने अथवा कार्य की लागत में कमी/बेशी करने अथवा उसमें संशोधन करने का अधिकार निम्नहस्ताक्षरकर्ता को होगा।
16. स्मारक को Dismembering करते वक्त पूर्ण सावधानी रखनी होगी तथा यदि कार्य के दौरान स्मारक के, कोई क्षति हुई तो उसकी पूर्ण जिम्मेदारी संवेदक/फर्म की होगी एवं संवेदक/फर्म के विरुद्ध राजस्थान स्मारक पुरातत्त्वीय स्थल एवं प्राचीन वस्तु अधिनियम, 1961 की धारा 17 के अन्तर्गत स्मारक के मूल स्वरूप को नष्ट/विक्रय करने के आधार पर कार्यवाही की जावेगी जिसके लिये वह स्वयं जिम्मेदार होगा।
17. संरक्षण एवं जीर्णोद्धार कार्यों को सम्पादन हेतु ऊंचाई/पानी के अन्दर/लीड/शटरिंग/सकेफोल्डिंग इत्यादि किसी भी प्रकार का अलग से भुगतान देय नहीं होगा।
18. कार्य के दौरान सुरक्षा की पूर्ण जिम्मेदारी संवेदक/फर्म की होगी, यदि कोई मूर्ति इत्यादि गायब/चोरी हुई तो संवेदक पर नियमानुसार कार्यवाही की जावेगी।
19. कार्य के दौरान पानी, बिजली या अन्य किसी भी आवश्यकता को संवेदक/फर्म को स्वयं अपने खर्च पर पूरा करना होगा।
20. कार्य शुरू करने से पूर्व संवेदक को कार्य प्रगति का चार्ट बनाकर प्रस्तुत करना होगा तथा प्रगति चार्ट के अनुसार ही कार्य की प्रगति बनाये रखनी होगी।
21. कार्य स्थल पर विभाग द्वारा बनाये गये Design के अनुरूप कार्य विवरण सूचना पट्ट लगाना होगा।
22. कार्य प्रारम्भ करने से पूर्व कार्य स्थल की डिटेल फोटोग्राफी करानी होगी तथा भित्ति चित्रों और शिल्प अलंकरणों के होने पर क्लोजअप फोटोग्राफ कराने होंगे जिसके तीन सेट निदेशालय में जमा कराने होंगे। इसके पश्चात् ही कार्य प्रारम्भ किया जा सकेगा। एक सेट कार्य स्थल पर उपलब्ध रखना होगा तथा इन्हीं चित्रों के आधार पर कार्य करना होगा। कार्य समाप्त हो जाने के बाद पुनः सम्पन्न हुये कार्यों के फोटोग्राफ्स के तीन सेट प्रस्तुत करने होंगे। सभी फोटोग्राफ्स न्यूनतम 6"X 4" साइज के होने चाहिये तथा कार्य प्रारंभ करने के पहले के लिए गये फोटोग्राफ के एंगल से ही कार्य पूरा करने के पश्चात् के फोटो लेकर एक ही पेज पर लगाकर कार्य समाप्ति पर अन्तिम बिल के भुगतान के साथ प्रस्तुत करने होंगे। फोटोग्राफ्स की सीडी भी प्रस्तुत करनी होगी। इस कार्य का कोई अलग से भुगतान देय नहीं होगा।
23. गार्ड लाईन के विपरीत कार्य पाये जाने पर भुगतान रोक दिया जावेगा व सम्बन्धित ठेकेदार के विरुद्ध राजस्थान स्मारक पुरातत्त्वीय स्थल एवं प्राचीन वस्तु अधिनियम, 1961 की धारा 17 के अन्तर्गत स्मारक के मूल स्वरूप को नष्ट/विक्रय करने के आधार पर कार्यवाही की जावेगी जिसके लिये वह स्वयं जिम्मेदार होगा।
24. कार्यों का सम्पादन के लिये संवेदक द्वारा कार्य स्थल पर अभियन्ता एवं मास्टर क्राफ्ट्समैन लगाये जाने अत्यावश्यक है, जिनके नाम कार्यदेश के समय संवेदक द्वारा सूचित किये जावेंगे तथा कार्यों के सम्पादन के समय उनकी उपस्थिति अनिवार्य होगी।
25. कार्य सम्पादन प्रतिभूति राशि की वापसी कार्य सन्तोषप्रद होने की स्थिति में 24 माह पश्चात नियमानुसार लौटायी जावेगी।
26. इस बिड हेतु RTPP Act 2012 एवं Rule 2013 एवं लोक निर्माण एवं वित्तीय लेखा नियम तथा समय-समय पर राज्य सरकार द्वारा लागू नियम प्रभावी रहेंगे।
27. बिलों से नियमानुसार कटौतियां की जावेगी।

मैं उपरोक्त समस्त शर्तों के लिए सहमत हूँ।

संवेदक के हस्ताक्षर

Technical Bid

1. Name of Company/Firm/Contractor.....
2. Address & Contact No.....
.....
.....
3. Registration certificate (Copy to be enclosed).....
4. PAN NO. (Copy to be enclosed).....
5. Sale Tax clearance. (Copy to be enclosed).....
6. Details of Bid Security deposited: (Copy to be enclosed)
(a) Amount deposited Rs.....
(b) Draft/DD No.
7. Service Tax Registration No.
8. Details of experience of executing the works of amount equal to the value of the tender in last five years. (Self attested photocopies of the successful completion certificates to be enclosed)–

Year	Amount (in lacs)
2012-13	
2013-14	
2014-15	
2015-16	
2016-17	

The information furnished above is true to the best of my knowledge. The terms and conditions of the offer document have been read and understood by the undersigned and a signed copy of the same is enclosed as confirmation.

(Signature of authorized signatory)
Name & Designation
Seal of Company

UNDERTAKING

**The Director,
Archaeology & Museums Department
Jaipur.**

Dear Sir,

Having examined and understood terms & conditions, the plans, specifications and Schedule of Quantities for the work prepared by your Architects/ Engineers, I/We hereby offer to execute the work at the rates which I/We have quoted for respective items specified. I/We herewith enclose my/Our DD no-----dated-----Name of bank-----
-----for Rs.as Bid Security for execution at my/our tendered rates.

In the event of this Tender being accepted I/We agree to enter into agreement as & when required to execute the work.

Yours Faithfully

**CONTRACTORS
(Name & Full address with seal)**

2. MEMORANDUM

I/We hereby tender for execution for the work within time specified and rates entered in the schedule "G" in all respects in accordance with the specifications, designs, drawings and instructions in writing referred to herein and in the annexed conditions with such materials as are provided for by and in all other respects in accordance with such conditions so far as applicable. I/We have visited the site of work & I/We am/are fully aware of all the difficulties & conditions likely to effect carrying out of the work. I/We have fully acquainted myself/ourselves about the conditions in regard to accessibility of site and quarries/kilns, nature and the extent of ground, working conditions including stacking of material, installation of T&P, conditions affecting accommodation and movement of labour etc. required for the satisfactory execution of this contract.

- (a) Name of work
- (b) Estimated Cost (in figures) Rs.
(in words) Rs.
- (c) Bid Security Rs.
- (d) Work Performance Security (Including Bid Security) Rs.

NOTE:

- (1) Work Performance Security will be 10% of the tendered amount in the form of cash or deduction to be made from running bills.
- (2) Time allowed for the work to be reckoned from the 10th day after the date of written order to commence the work.
- (3) If any bidder quotes the rates below G-Schedule then he will submit the work Performance Guarantee in form of DD/BG/ FDR/NSC for the difference amount (i.e. amount of G-Schedule minus rates quoted in response to the bid) within 14 days from the date of LOA, otherwise bid security shall stand forfeited. The validity/ extended validity of work performance guarantee shall be valid for 3 months beyond the stipulated date of completion/ actual date of completion. The work performance guarantee shall be invoked if successful bidder fails to execute the work satisfactorily

Should this tender be accepted in whole or in part I/We hereby agree to abide-by and fulfill all terms and provisions of the conditions of contract annexed hereto and in the NIT or in default thereof to forfeit and pay to the Director-Archaeology & Museums Department, Rajasthan, Jaipur the sum of money mentioned in the said conditions.

A sum of Rs. is enclosed herewith as Bid Security. This amount of Bid Security shall absolutely be forfeited by Department without prejudice to any other right or remedies should I/We fail to commence the work specified in the above memorandum or should I/We not furnish performance guarantee in cash or in form or Bank guarantee at the time of execution of agreement specified in the above memorandum in accordance with the said conditions of contract.

Signature of Contractor

The above tender is hereby accepted by me on behalf of the Director-Archaeology & Museums Department, Rajasthan, Jaipur.

Executive Engineer

4. DIRECTIONS FOR GUIDANCE OF CONTRACTORS

1. All works proposed for execution by contract, will be notified in a form of invitation to tender pasted on a board hung up in the office and signed by Director-Archaeology & Museums Department, Rajasthan, Jaipur or duly authorized officer.

The form of invitation to tender will state the work to be carried out as well as the date of submitting and opening of tenders & the time allowed for carrying out the work, also the amount of Bid Security to be deposited with the tender, and the amount of work Performance Security to be deposited by the successful tenderer and the percentage as per PWF&AR, Govt. of Rajasthan to be deducted from the bills, copies of the specifications, designs and drawing and estimated rates/scheduled rates and any other documents required in connection with the work for the purpose of identification by the Archaeology & Museums Department, Rajasthan, Jaipur Drawings shall also be open for inspection by the contractor at the office of the Director-Archaeology & Museums Department, Rajasthan, Jaipur or duly authorized Engineer during office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof, or, in the event of the absence of any partner, it must be signed on his behalf by a person holding power of attorney authorizing him to do so.
3. Receipt for payment made on account of a work when executed by a firm, must also be signed by the several partners, except where the contractor are described in their tender as a firm in which case the receipt must be signed in the name of the firm by one of the partners or by some other person having to give effectual receipts for the firm.
4. Any person who submits tender shall fill up the usual printed form stating at how much percent above or below the rates specified or on item rates, he is willing to undertake the work. Tenders which propose any alteration in the work specified in the said form of invitation to tender or in the time allowed for carrying out the work or which contain any other conditions of any sort will be liable to rejection. No single tender shall include more than one work, but person who wish to tender for two or more works shall submit a separate tender for each work. Tender shall have the name and number of the work to which they refer written outside the envelope.
5. The DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR or other duly authorized Engineer will open/ download the tenders in presence

of any intending contractors or their authorized representative who may be present at the time and will enter the amounts of the several tenders in the Register of tenders in the event of the tender being accepted. A receipt for the Bid Security forwarded therein shall there upon be given to the contractor who shall there-upon for the purpose of identification sign copies of the specifications and other documents. In the event of a tender being rejected, the bid security forwarded with such unaccepted tender shall be returned to the contractor.

6. The accompanying schedules of quantities in "G" Schedule are the architects estimated quantities for the work. The contractor/s shall attach his/their OWN prices for the each item in column for rates left blank and shall money out the same in the final column & totals. He/They shall fill up properly the form of tender and the schedule of quantities without adding any stipulations thereto. The tender shall show the total amount arrived at in the manner above described. The tender, Notice to Contractors, conditions of contract. Specifications and the Schedule of quantities and rates, etc. shall all be embodied in and shall form a part of the contract.
7. The quantities contained in the Schedule are only approximately correct. If more or less quantities are actually done on the work the contractor/s shall be paid for the same at the rates tendered by him/them in the Schedule of Rates. The work as actually done will be measured by the contractor's qualified engineer and bill furnished to the DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR which in turn will get it checked by the Engineer in charge time to time, and will be paid for as provided in the Special Condition of Contract after deducting S.D. and other applicable deductions as per PWF&AR prevailing rules.
8. Tenders shall be sent to the address of DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR
9. The ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR is not bound to accept the lowest bid.

5. GENERAL CONDITIONS OF CONTRACT

1. All the materials used shall be of approved make and to the entire satisfaction of the DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR
2. The DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR or the Engineer in charge reserves right for any additions and alternations or omission in the tender and execution of works.
3. The Department shall pay to the contractor as detailed in special conditions of contract.
4. The Department shall pay to the contractor within 15 (Fifteen) days after the certificate of verification / checking by the Engineer in-charge of the bill submitted by contractor.
5. The contractor/s is/are to set out the work in accordance with the plans. All lines to be accurately marked or otherwise to the satisfaction of the Engineer in charge.
6. The contractor/s shall meet the Engineer in charge or his representative at the works site whenever and wherever required.
7. The contractor/s shall maintain and be represented on site at all times by a responsible and efficient Engineer/Architect who thoroughly understands all the trades enrolled. The Engineer in charge reserves the right to dismiss the Foremen and any workmen who in his opinions are not sufficiently skilled or who neglect or refuse to obey instructions.
8. The contractor/s shall be given one set of the plans free of charge.
9. The DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR, reserves the right of altering the drawings and nature of the work and adding to or omitting any item of work or having portions of the same carried out departmentally or otherwise and such alterations or variations shall be carried out without prejudice to the contract.
10. The DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR reserves to the right to increase or decrease quantity of work or omit some part of the work without violating the contract and for which he will not be held liable to compensation to the contractor/s.
11. All plants, machines and other equipments are to be arranged by contractor for the work.
12. Any percentage rate tender containing item-wise rates and any item rate tender containing percentage rate below or above estimated/scheduled rates will be

summarily rejected. However, if a tenderer voluntarily offers a rebate for payment within a stipulated period, this may be considered.

13. The Conditions of Contract shall govern sales tax or any other tax on materials, or Income Tax in respect of the contract. Deduction of Income Tax at source will be made as per provisions of the Income Tax Act, in force from time to time.
14. If on check, there are differences between the rate quoted by the Contractor in words and figures, or in the amount worked out by him, the following procedure shall be followed: -
 - (i) Where there is a difference between the rates in figures and words, lower of the two rates shall be taken as valid and correct rate.
 - (ii) When the rate quoted by the contractor in figures and in words tallies, but the amount is not worked out correctly, the rate quoted by the contractor shall be taken as correct and not the amount worked out.
 - (iii) While quoting rates, if rate/rates against any item or items are found to be omitted, the rate given in the Schedule "G" by the Department for such items will be taken into account while preparing comparative statement and contractor shall be bound to execute such item on "G" Schedule rates.
 - (iv) In case where percentage is given but the 'above' or 'below' not scored, the tender will be non-responsive.
15. The Contractor shall read the specifications and study the working drawings carefully before submitting the tender.
16. After acceptance of the tender, the Contractor or all partners (in the case of partnership firm), will append photographs and signatures duly attested, at the time of execution of agreement.
17. Contractors shall submit only unconditional tenders. Conditional tenders are liable to be rejected similarly.

Contractor

EXECUTIVE ENGINEER

6. SPECIAL CONDITIONS OF CONTRACT

1. Online tenders will be received in two cover system, one containing Technical bid and the other financial bid (to comprise G-schedule/ Rate Quotation). The technical bid will contain information as detailed at clause 22 herein including schedules I to V appended (Photocopies to be made out there from).
2. The Technical bid will be opened first on the day mentioned in the NIT, Bidders will be evaluated as per norms set for qualification in Technical bid and Financial bids of only those bidders will be opened who qualify in the Technical bid.
3. Contractors bidding for the work should be reputed experienced contractors working in the field. Bidders will have to submit all the needed information as mentioned in the NIT and detailed in clause 22 & 23 herein in order to evaluate the Technical bid and have the technical and financial capability along with Bid capacity to execute the work in question. Only those bidders will be considered qualified in the Technical bid who have executed equal amount of estimated value of the work (published in NIT) during last five years and have the necessary technical expertise and support machinery and administrative and financial capability along with Bid capacity to satisfactorily execute works in question for which they are bidding.
4. The decision of the DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR or his representative on pre-qualification in the Technical bid will be final & binding.
5. All raw materials will have to be brought to the site and all carving work will have to be executed only at site to qualify for payment of running bills, No payment of any material at or work done at place other than the site of work will be made unless such material is brought to site and found acceptable to be used on the work.
6. General conditions of contract, special conditions of contract and specification of work as appended herewith in addition to General condition of agreement will be applicable on this work. In addition, the P.W.D. specifications will also be applicable as relevant to the particular item of work.
8. Work shall be of a high standard quality and pattern (class and style).
9. All work shall be carried out in similar pattern as existing and as per directions of Engineer-in-charge/ consultant.
10. The exposed surface of stonework will be suitably protected from damage/ disfigurement during the course of work and will be cleaned and washed removing all spots etc. for final acceptance on completion.
11. All scaffolding, shuttering, T&P etc. for the work shall have to be arranged by contractor at his own cost.
12. The time for completion of work as given in the NIT shall be strictly adhered to and the work so planned as to be completed within the scheduled period. The contractor shall provide with a time schedule to the department for progressing with and completing various stages of the work.
13. Only the items of approved make and model as per technical specifications shall be used and all such material will be got approved from the Engineer in-charge before use. DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN,

- JAIPUR shall have the right to exercise proper quality control and contractor shall extend all necessary facilities for this.
14. Quantities of individual items can be increased invariably or even reduced/ withdrawn and specification and designs altered at the discretion of Engineer in-charge and contractor will not be entitled to any compensation therefore for such alteration. For extra items if any rates will be decided based on market analysis to be provided by contractor.
 15. Contractor will give notice before any work is covered up. Bad work will have to be redone/replaced at contractor's cost.
 16. It will be the contractor's responsibility to get the drawings/ framework and sample of individual items/elements of work approved from the departmental Architect/ Engineer before proceeding with manufacture of the same at site.
 17. The contractor shall provide adequate safety measures and proper insurance for his labour working at site and it shall be done by contractor at his end. Contractor shall settle all labour disputes at his own level. The contractor shall observe all labour/factory laws in force.
 18. Work Performance Security will be recovered from each running bill of contractor as per provisions of PWF&AR. Bid Security will be adjusted in the work Performance Security amount. Work Performance Security shall be returned as per rules after satisfactory completion of the work.
 19. No escalation will be payable even if the completion period exceeds that as stipulated.
 20. The bidders shall quote their rates unconditionally. Conditional tenders are liable to be rejected without assigning any reason.
 21. In case of unsatisfactory work by contractor or deliberate delaying the work without valid reasons, the contract will be liable to be terminated at the stage up to which acceptable work is done and paid for with no compensation of any sort payable to contractor for withdrawal at that stage and possession of work executed at site will be taken over by Department. In case of any dispute the decision of the Department will be final and binding on the contractor.
 22. The bidder has to furnish following information along with documents with his technical bid (In prescribed Performa's Schedule 1-5):
 - a) Full information regarding financial resources and capability in Schedule-1 herewith.(Photocopy to be made out of schedule)
 - b) Details of works of and magnitude completed in last 5 years by the tenderer in Schedule II (Photocopy to be made out of schedule).
 - c) Details of works, bids and works to be completed in Schedule-III (Photocopy to be made out of schedule).

- d) Details of technical, supervisory personnel and master craftsman/ craftsman which he proposes to utilize for this work in Schedule IV. (Photocopy to be made out of schedule).
- e) Details of plant and equipment proposed for use in the work in Schedule V. (Photocopy to be made out of schedule).
- f) The bidder should demonstrate that they have adequate financial resources (Over draft/ Credit Limit/ letter from bank).
- g) Declaration form
- h) Photocopy of BC/DDC (Tender fee, EMD, Processing fee)
- i) Bid Form

23. Bid capacity:

(i) Bidders who meet the minimum qualifying criteria are to be evaluated further for Bid capacity as under: -

- (a) Maximum value of work executed in the last five years extracted from schedule II which will take into account the completed and on going works.
- (b) Value of the existing commitments, works (complete or partial) to be completed in the coming 12 months. Extracted from schedule III

(ii) Bid Capacity=(A×N×3-B) where

A=Maximum value of work executed in the last five years taking into account the completed.

N=Number of years prescribed for completion of the works for which bids are invited herein (in years)

B=Value of existing commitments and on going works (at hand) to be executed during "N" period.

The bidder will be post qualified only if his bid capacity is equal or more than the cost of work in question. No contract may be awarded to bidder lacking the financial and technical resources to undertake the work. The decision of DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR in this regard will be final and binding.

- 24. The right to qualify or not to qualify any or all the bidders without assigning any reason is reserved with the DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR
- 25. Determination of Responsiveness:
 - a) Prior to the detailed evaluation of bids, the DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR will determine whether each bid is substantially responsive to the requirements of the bidding documents.
 - b) For the purpose of this clause a substantially responsive bid is one, which has required capacity, capability and financial resources, and whose bid conforms

to all the terms, conditions and specifications of the bidding documents without material deviation or reservation. A material deviation or reservation is one which affects in any substantial way the scope, quality or performance of the works or which limits in any substantial way the DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR'S right or the Bidder's obligations under the contract and the rectification of which deviation or reservation would effect unfairly the competitive position of other bidders presenting substantially responsive bids.

- c) if a bid is not substantially responsive to the requirements of the bidding documents it will be rejected and may not subsequently be made responsive by the bidder having corrected or withdrawn the nonconforming deviation or reservation.

26. Construction programme –

- 1) Within the time stated in this contract the Contractor shall after the acceptance of his tender, submit to the DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR, for approval programme together with bar chart, PERT chart, proposed deployment of machinery etc., showing the order of procedure in which he proposes to carryout the works. The contractor shall provide in writing general description, the arrangements, deployment of equipment, work planning and methods, which he proposes to adopt for the execution of the works.
- 2) If at any time it should appear to the Department that actual progress of the work does not conform to the approved programme referred to in sub-clause (1) of this clause, the Contractor shall produce, at the request of the Department a revised programme showing the modifications to the approved programme necessary to ensure completion of the works within the time for completion.
- 3) The submission to and approval by the Department of such programmes or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities under the contract.

27. Materials workmanship, period and certificates of Maintenance and Defect Liability etc.

All materials and workmanship shall be of the respective kinds described in the contract and in accordance with the Architect's/Engineer instructions and shall be subjected from time to time to such tests as the Engineer may direct at the place of manufacture or fabrication or on the site or at such other place or places as may be specified in the Contract or at all or any of such places. The contractor shall install quality control laboratory and provide such assistance, instruments, machines, labour and materials as are normally required for

examining, measuring and test in any work and the quality, weight or quantity of any material used and shall supply samples of materials before incorporation in the works for testing as may be selected and required by the Engineer-in-charge.

28. **Period of maintenance and Defects liability:**

The Contractor shall be responsible to make good within such period as maybe stipulated by the Engineer in-charge any defect which may develop or may be noticed during period of maintenance of 24 months from the certified date of completion and which is attributable to the contractor. All notice of such defect shall be given to the Contractor promptly. In case the contractor fails to make good the defects, the Engineer in-charge may employ other persons to make good such defects and all expenses consequent thereof and incidental thereto shall be recoverable from the Contractor.

29. The successful bidder/contractor is required to undertake detailed photo recording documentation by still photography, videography of the entire work prior to commencement and the same has to be deposited with the Engineer in charge of ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR in two copies immediately. Before dismantling any old work to redo this still photography with specifically putting some identity mark number of the portion by any specified means has to be done and this to be got checked and certified by Engineer In charge and recorded specifically in the measurement book (M.B.). A written permission from the Engineer in charge before commencement of executing such work is essential for execution as well as for payments. During the work in progress and after its completion also photo documentation is necessary and the photos before & after completion of portion of work are essentially to be enclosed with the bill for payment.

Contractor

EXECUTIVE ENGINEER

SCHEDULE-I

FINANCIAL RESOURCES AND CAPABILITY (PURSUANT TO CLAUSE 26)

1. Name of Applicant
2. Name of Partner/ Director
3. Capital
4. Authorized Signatory

5. (a) Whether Enlisted in Govt.
(b) Details of the work completed and applicant's performance record for last five years (information to be furnished in Schedule II in India.
(c) Details of works in hand applicant's performance record for last five years (Information to be furnished in Schedule-III)
6. Furnish Balance Sheet and profit and loss statement with auditor's report for the last three years.
7. The information on the following aspects should be specifically furnished.
 - (i) Working capital and net worth.
 - (ii) Turnover for the years
 - a.
 - b.
 - c.

 - (iii) Gross income in years in India
 - (i)
 - (ii)
 - (iii)
 - (iv) Quick ratio or acid test ration (Quick assets to current liabilities).
8. What is the maximum annual turnover of the project that you can handle (Financial Projection).
9. Have you ever been denied tendering facilities by any Governmental/ Department/Public Sector undertaking?
(If yes, Please give details)
10. List of your source of finance
11. Certificate of financial soundness by Bank.
12. Name and address of Bank from whom reference can be obtained.
13. Have you ever been declared bankrupt?
(if yes, please give details)

Signature of Contractor

SCHEDULE-II

THE WORK UNDER CONSIDERATION, COMPLETED BY THE APPLICANT IN LAST FIVE YEARS IN INDIA

(Pursuant to Clause 22)

S.No.	Name of work	Place & State	Tender awarding Agency	Tendered Cost	Stipulated time of Completion	Time in which completed	Date of completion	Reason for Delay	Principal features of work done	Value of work done
1	2	3	4	5	6	7	8	9	10	11
Year										
Year										
Year										

Signature of Contractor

SCHEDULE-III

WORKS TENDERED FOR & WORKS TO BE COMPLETED AS ON THE DATE OF SUBMISSION OF APPLICATION IN INDIA

(pursuant Clause 22)

S.N.	Name of work	Place & State	Work on Hand				Work tendered for			
			Tender Cost & Date of award	Stipulated period of Completion	Cost of work remaining to be executed	Anticipated Date of completion	Estimated cost (Rs. In Lakh)	Date when decision expected	Stipulated period of Completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
Year										
Year										
Year										

Signature of Contractor

SCHEDULE- IV

Details of Key Personnel intended to be employed for this work

(use separate sheet if necessary)

(Pursuant to clause 22)

S. No.	Name of Person	Qualification	Designation	Experience	Work to be put on
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A. Technical Personnel

(1)

(2)

(3)

(4)

B. Administrative Personnel

(1)

(2)

(3)

(4)

C. Master Craftsmen

(1)

(2)

(3)

(4)

D. Craftsmen

(1)

(2)

(3)

(4)

E. Any other

(1)

(2)

(3)

(4)

Signature of Contractor

SCHEDULE- V

DETAILS OF MAJOR ITEMS OF CONSTRUCTION PLANT AVAILABLE FOR THIS WORK.

S. No.	Particulars	Make	Year of manufacture	Nos.	Whether owned or confirmed lease
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					

Signature of Contractor

8. SPECIFICATIONS

1. Digging /Clearance of Debris

Digging shall be carefully got carried out to the levels, shapes and dimensions to receive the embedded parts portion, Should any of the digging be taken down below the designated levels the Contractor shall fill in such excavation at his own expense with concrete well rammed in position until it is brought up to the proper level; filling in with excavated material will not be allowed for this purpose.

If the trenches are made wider or longer as directed, the extra breadth and length shall be filled in after the foundations are built and the earth rammed hard. The Contractor shall at his own expense and without extra charge make provision for all shoring, pumping, dredging or bailing out water and the trenches shall be kept free from water while the work is in progress. The foundation trenches shall be inspected and passed by the Architect/ Engineer in Charge before any filling work is commenced.

The excavated earth shall be used for filling up the sides of the foundations and between the plinth walls in layers not exceeding 30 cm properly rammed and watered. All surpluses left over earth shall be either spread or carted away without extra charges.

The measurements of the work shall be the exact height and width of the lowest steps of the footings according to the drawings or the architects/ Engineer's instructions and the depth measured vertically. If any excavations are to be taken deeper than the heights mentioned in the drawings they shall be measured and paid appropriately.

Rate for excavation in all the cases shall include labour for returning, watering and ramming spoil of excavation between sides of trenches and foundation masonry, spreading on site if required and for carting away surplus earth. No extra shall be allowed for planking and strutting of sides of excavation for walls and piers and for keeping the excavations free from water unless otherwise specified.

Excavation in Hard rocks either by chiseling or blasting shall not be permitted.

2. Brick Bat Concrete:

Brick bat concrete of specified thickness shall be composed of 2 parts of broken brick bats of regular pieces 3/4" thick and 1 part of lime mortar with 2 part surkhi for water proofing well mixed together and rammed hard till consolidated. It shall be laid in level or to slope as directed. In the terrace, the top surface of the concrete shall be brushed clean with wire brush to remove loose material.

3. Lime concrete: For foundation works:

All lime concrete for foundations shall be in the proportion of 40:100 lime surkhi mortar 1:2 of specified strength unless otherwise mentioned. The component materials shall be accurately gauged and thoroughly mixed, Concrete mixer to be

used for mixing all gradients. Vibrator (Needle/Plate) shall be used wherever directed by Architect/ Engineer in charge finished/ completed work shall be adequately cured as directed.

4 Brick Work:

The Bricks shall be table moulded and of good quality as approved by the Architect/ Engineer in Charge, free from grit, well burnt, sound, square and with sharp-edges and shall give a ringing sound when struck with a mallet. Every Brick shall be thoroughly soaked in water before use till the bubbles cease to come up. No broken bricks shall be used except as closures. The courses shall be truly horizontal and work strictly plumb, joints shall be broken vertically and they shall not exceed 1/2" in thickness.

They work shall be watered well so as to be continuously wet for 10 days and afterwards twice a day for a month.

In brick arches or other circular work (Keval, Dhoro & Dadarwal Dom etc). The bricks shall be shaped to slope according to drawings, joints radiating correctly to the center. The face bricks shall be of uniform colour and with sharp. All this type circular work and arches and to be plastered with lime cement mortar.

5. Lime Plaster :

Lime surkhi mortar plaster shall be of 1:2 ratio with order ingredients like google /Gur/ Methi, etc. The surkhi and lime will first be thoroughly mixed and grinded by grinder. If surkhi is not available grinded bricks can be used in place of surkhi.

The coats of plaster shall be applied to the walls and other specified bricks works. Plaster of one part lime and 2 parts surkhi shall be dashed and floated to make the surface uniform and even. The surface of this coat shall be scratched by trowel to form a key for the second coat. The third coat lime loi coat shall be thin coat of lime surkhi mortar evenly applied and trawled smooth to produce a perfectly smooth and even surface.

Adequate time interval shall be allowed between the applications of successive coats for hardening. The coats shall be kept moist by watering for fifteen days and shall not be allowed by dry out. The measurement shall be in sq. mtr. superficial openings shall be deducted as per mode of measurement.

6. Decorative stone masonry stone & marble :

Stone for this purpose shall be selected by Architect/ Engineer of the same quality & quarry as used in the project and of good quality. All stone work shall be worked to such size and shapes as may be shown on the drawings or as directed by the Architects. The stones shall be fine dressed or as required on the face and joints and rough tooled on beds fully, true and out of windings. All visible angles and edges shall be straight and free from chipping. Work shall be strictly in plumb. All stones shall be set in lime surkhi mortar 1:2 or as per old work is done and no joint shall

exceed 1/8" in thickness. Wherever brick backing is suggested; brick masonry work shall be executed.

The quality of dressing and carving of stone shall be as per sample to be approved by Architect/ engineer. All mouldings and carvings shall be executed according to details supplied.

7. Stone pavement:

The pavement shall consist of slabs of rough tooled or machine polished stone of specified thickness of approved quality free from cracks and flakes of uniform colour and having an even surface and texture. After laying the pavement shall be machine polished and all unevenness removed.

8. Marble tiles:

Marble tiles of approved quality tiles with medium size marble in nature figure scheme selected by the Architect/ Engineer in-Charge shall be used. All visible angles, joints and edges shall be straight and free from chipping. Work shall be strictly in plumb and level. All marble tiles shall be set in cement/lime mortar in and efforts shall be made to match the natural figures.

9. Glass / Mirror Work: -

- a) For the existing design where the work is to be executed should be documented by still photography and videography (in three copies) and the design is to be traced on a tracing paper before dismantling the damage portion.
- b) After removing the damaged portion the plaster of fine pop is to be done where ever necessary to give a flat surface.
- c) On the prepared surface the existing design which was traced on a tracing paper is to be traced back on the surface. (Photo documentation after retracing the design on the portion to be redone is an essential requirement)
- d) Jamia Glass/ mirror should be in convex shape and are to be cut in the required shape and design as per retracing.
- e) A paste for fixing the Glasses on walls is to be prepared by adding 250 gm fevicol in 2 kg of fine gypsum powder (POP). The so prepared paste shall be in a small quantity to be consumed with in two hours of its preparation.

Material Required: -

- a) Jamia Glass/ Mirror: Glass is should be in convex shape having gillett polish on the concave surface of the mirror.
- b) Fine gypsum Powder (POP) of approved quality.
- c) Fevicol /Araldite of approved quality.
- d) Gold leaf (24 Carrot) duly tested in approved lab.

10. Stain Glass, Paintings and Panels: -

- a) The wooden mould of the Jali's is to be made and over it design is to be made by Lime Surkhi Mortar 1:2.

- b) Copper sheet is to be cut in the existing design of Jali and the color glasses are to be fixed in between the gaps.
- c) At the Back of the Stain Glass silver foil is to be fixed as required and thereafter these glass is to be fixed in the copper sheet.
- d) On plain glass design/painting with the oxide colours is to be done in which the colored stained glasses are to be fixed.
- e) Conservation of Paintings and portraits of glass is to be done by cleaning with the help of approved chemicals under the strict supervision and after this the lost portions is be done and by fixing mica/ copper thin sheet behind the glasses according to original old design by using paste of gypsum powder mixed with fevicol complete with all stucco works in P.O.P. as per existing design.

Material Required: -

- a) Colored stained glasses (Italian/ Belgium)
 - b) Plaster of Paris (Fine quality)
 - c) Fevicol
 - d) Plain Mirror (2-3 mm)
 - e) Wooden Frame (Sheesham/ sal wood)
 - f) Copper/Mica sheet (2-3 mm)
 - g) Gold/ Silver Leafs
- 11 Any other specifications shall be as stated in "G" schedule or as directed by Engineer in charge at the time of execution.
- 12 All works shall be carried out as per Archaeological principles of restoration/conservation and strictly under direction of Engineer in Charge.

Contractor

EXECUTIVE ENGINEER

DEPARTMENT OF ARCHAEOLOGY & MUSEUMS, RAJASTHAN, JAIPUR

Schedule-G

Conservation & resstoration work of Muth and Temple at Chandresal, Kota.

S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part A-Based on PWD BSR- 2014					
1.0	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils.	Cum	50.00	155.00	7750.00
2.0	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Cum	10.00	3231.25	32312.50
Total Part-A					40062.50

Conservation & resstoration work of Muth and Temple at Chandresal, Kota.					
S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part B-Based on A&M BSR- 2011					
1.0	Clearance of debries around the temple by excavation upto depth 1.50mtr to 2.00 mtr.carefully without damaging the buried architectural parts of the temple and collect all the intact parts at proper place for reuse at the time of restoration work as per direction of Engineer incharge/Authorised person of department.	Cum	320.00	113.00	36160.00
2.0	Removal of debries from the monument carefully without damaging the buried architectural parts of the monument and collect all the intact parts at proper place for reuse at the time of restoration work as per direction of Engineer incharge/site encharge and disposal of building rubbish with in 50mtr.lead.	Cum	100.00	94.00	9400.00
3.0	Add extra for sorting lifting & stacking charges for architectural parts with in 50mtr.lead (Labour charge.)	Cum	130.00	150.00	19500.00
4.0	Tuman masonry by brick bats/ stones in grinded mortar of Lime Surkhi mortar 1:2/lime sand mortar 1:2 including racking and removal of all old loose plaster and cleaning the wall surface properly as per direction of Engineer Incharge.	Sqm.	200.00	256.00	51200.00
5.0	Providing and fixing stone Patties (slab) on roofing including removing broken patties carefully and replacement new slab with Kharanja, ralthal and lime dhar as per traditional practice. Span about 3.30 mtr. To 5.50 mtr. 100 mm to 150mm thick of approved stone.	Sqm	60.00	2048.00	122880.00
6.0	De-vegetation from monument by removing bushes, trees including complete uprooting from the wall & roofs/structures carefully including sutable chemical treatment to roots to avoid further growth including disposal of rubbish with in 50mtr. Lead as per direction of Engineer incharge.	Sqm.	40.00	262.00	10480.00
7.0	Site clearance by uprooting of trunk vegetation, bush, wood, trees and sapplings of girth upto 15cms and disposal of rubbish with in 50mtr. Including leveling and dressing of ground as per direction of Engineer incharge.	Sqm.	1050.00	20.00	21000.00
8.0	Chemical treatment of sand stone to clean from yellowness, blackness, algal growth, dust, dirt oily accretions, lime & gypsum deposits, filling of cracks/ joining of gaps/ pointing, strengthening of weak stone, removal of salt effect and application of preservative coating to prevent algal growth and make the stone water proof.	Sqm	500.00	515.00	257500.00
9.0	Providing & fixing ashlar "Rain water Spouts" (3) lines dressed as per traditional practice / existing design / approved design size 60 x 30 x 25 cm, fixing the rain water spout with lime surkhi mortar 1:2, with proper slope complete in all respect.	Each	6.00	750.00	4500.00

10.0	Providing & fixing in lime surkhi mortar 1:2, single paitam (rebated) store doors, window and ventilator frames as per existing matching or approved quarry including removing of damaged parts of frame, the cutting of corner as per drawing complete in all respect.size 125mm x 125mm	Rmtr.	10.00	270.00	2700.00
11.0	Providing and Fixing fine dressed "kerb stone (Dand stone) along with path way /gardening,tapper/round with top edges in lime surkhi mortar 1:2 including pointing with lime cream and stone dust with an admixture of pigment complete in all respect as per direction of Engineer incharge.				
11.1	Size 100 x300mm fine dressed.	Rmtr.	50.00	584.00	29200.00
11.2	Size 200 x450mm fine dressed.	Rmtr.	30.00	1335.00	40050.00
12.0	Providing and fixing fine dressed sand stone/approved stone "Katahara Jali"(Jali for balustrade) as per existing matching and design including moulding fixing with thambli by proper adhesive and white cement with pigment including making groove etc. complete in all respect. (50mm thick.)	Sqm.	8.00	4752.00	38016.00
13.0	Providing and Fixing fine dressed sand stone /approved stone "Thambli" (katahara pillars including) kalash on top,fixing on dasa as per existing design for fixing of stone jalias/railings including making grooves as per required size.:Size 100x100x750mm including kalash with moulding.	Each	12.00	640.00	7680.00
14.0	Providing and Fixing fine dressed sand stone /approved stone "Chajja" for palaces,chattries,forts and jharokas with fine dressed surface both sides and front edges should be round shape/moulding, fixing in grinded lime surkhi mortar 1:2 joint flush with proper adhesive with pigment to match the shade of stone (thickness of chajja on front edge 50mm and 75mm on fixing end) exposed surface is to be measured only.	Sqm.	20.00	4099.00	81980.00
15.0	Providing and fixing "Stone Kalasha" as per existing matching on doms od chattries/jharokhas as per existing design & dimensions as per traditional practices, fixing of kalash carefully without damaging the doms complete in all respect.(exposed part) 90cm. to 100cm.	Each	1.00	3850.00	3850.00
16.0	Providing and fixing fine dressed sand stone "Dasa/coping" as per existing matching , fixing in grinded lime surkhi mortar 1:2 including pointing in cream and stone powder 1:1 with an admixture of pigment to match the shade of stone complete in all respect.				
16.1	75mm to 100mm thick plain with fine dressing.	Sqm	50.00	1612.00	80600.00
16.2	75mm to 100mm thick with pan patti design.	Sqm	20.00	2456.00	49120.00

17.0	Providing and fixing fine dressed sand stone "Cladding" (Plain dressing only) as per existing matching , fixing in grinded lime surkhi mortar 1:2 including pointing in cream and stone powder 1:1 with an admixture of pigment to match the shade of stone complete in all respect including removal of damaged cladding.:50mm to 60mm thick.	Sqm	20.00	1679.00	33580.00
18.0	Providing and fixing fine dressed sand stone/approved stone "JALI"as per existing matching geometrical design including moulding work with fine finishing, fixing with thambli by proper adhesive and white cement with pigment including making groove etc. complete in all respect. : 50mm thick.	Sqm	10.00	6221.00	62210.00
19.0	Stone flooring work with chisel dressed surface of approved shade and quarry in irregular shape as per existing pattern on a base of grinded lime sand mortar 30mm thick and jointing with masaldar lime putty and stone dust mixed in 1:1 ratio with admixture of pigment (75mm thick) stone as per existing matching.	Sqm	90.00	954.00	85860.00
20.0	Providing and fixing fine dressed sand stone "Todies" (Brackets) as per existing matching stone with moulding work with fine finishing , fixing in grinded lime surkhi mortar 1:2 including scaffolding, lead & lift complete in all respect.: Size : 30cm X 30cm X 7.50cm (exposed part only.)	Each	40.00	1050.00	42000.00
21.0	Random Rubble stone masonry for foundation and plinth in Lime surkhi mortar 1:2 above 30cm. thick walls in : (1 Lime putty : 2 Surkhi including adding admixture like gur, methi etc. in mortar.)	Cum	10.00	1500.00	15000.00
22.0	Random Rubble stone masonry for superstructure, 4.50mtr. Height above plinth level/ one storey height above 30cm. thick walls in : Lime surkhi mortar 1:2 (1 Lime putty : 2 Surkhi including adding admixture like gur, methi etc. in mortar.)	Cum	35.00	1680.00	58800.00
23.0	Providing and laying lime concrete in foundation and plinth using 40% lime mortar and 20mm nominal size graded aggregate (crusher broken) including ramming and watering complete in all respect comprising of : (1 Lime putty : 2 Surkhi mortar.)	Cum	40.00	2050.00	82000.00
24.0	Removing/ dismantling of disturbed heavy stone Lintels of Sabhamandapa/ Antral/ Praeshmandapa by mechanical/ manual system carefully with proper making and complete documentation including all scaffolding and shuttering work, stacking the useful architecture parts in proper sequence at the place directed by Engineer Incharge including placing of non re-usable parts in the sculpture shade as per direction of Engineer Incharge.	Cum	5.00	7885.00	39425.00

25.0	Refixing of heavy stone "Lintels "of Sabha Mandap/ Antral/ Praeshmandapa as per temple architecture in proper order and sequence including all scaffolding and shuttering work, lead and lift. (Lintels should be fixed in perfect horizontally) as per direction of Engineer Incharge.	Cum	2.00	8217.00	16434.00
26.0	Providing and fixing stone " Lintels " of Sabha Mandap/ Antral/ Praeshmandapaas etc.fine dressed as per existing matching stone/ approved quarry with plain moulding work as per temple architecture complete with all scaffolding and shuttering work, lead and lift in proper order and sequence etc.as per direction of Engineer Incharge.	Cum	4.00	29937.00	119748.00
27.0	Removing/ dismambering of disturbed stone "Kichak " on pillars of Sabha Mandap/ Antral/ Praeshmandapa by mechanical/ manual system carefully with proper marking and documentation including all scaffolding and shuttering work, stacking the useful architecture parts in proper order and sequence at the place directed by Engineer Incharge.:Upto size : 75cm X 75cm X 30cm.	Each	20.00	1898.00	37960.00
28.0	Refixing of existing stacked stone "Kichak " on pillars of Sabha Mandap/ Antral/ Praeshmandapa as per temple architecturein proper order and sequence including all scaffolding and shuttering work, lead and lift. as per direction of Engineer Incharge.:Upto size : 75cm X 75cm X 30cm.	Each	10.00	2372.00	23720.00
29.0	Providing and fixing stone "Kichak" on pillars of Sabha Mandap/ Antral/ Praeshmandapa etc.fine dressed as per existing matching stone/ approved quarry with plain moulding work as per temple architecture complete with all scaffolding and shuttering work, all lead and lift in proper order and sequence etc.as per direction of Engineer Incharge.: Upto size : 75cm X 75cm X 30cm.	Each	10.00	7080.00	70800.00
30.0	Removing/ dismambering of disturbed stone "Pillars" (Stambhas) of Sabha Mandap/ Antral/ Praeshmandapa etc having carving work without damaging the pillar by machanical/ manual system carefully with proper marking and documentation including all scaffolding and shuttering work, stacking the useful pillars in proper sequence at the place directed by Engineer Incharge.	Cum	11.00	7067.00	77737.00
31.0	Refixing of heavy stone "Pillars" (Stambha) Sabha Mandap/ Antral/ Praeshmandapa by machanical/ manual system carefully as per temple architectur in proper order and sequence including all scaffolding and shuttering work, all lead and lift.	Cum	4.00	8834.00	35336.00

32.0	Providing and fixing stone "Pillars" (Stambha) on pillars of Sabha Mandap/ Antral/ Praeshmandapa etc.fine dressed as per existing matching stone/ approved quarry with plain moulding work as per temple architecture complete with all scaffolding and shuttering work, all lead and lift in proper order and sequence etc.as per direction of Engineer Incharge.	Cum	7.00	34648.00	242536.00
33.0	Removing/ dismambering of disturbed stone "Flooring" of Sabha Mandap/ Antral/ Praeshmandapa/ Pardakshina etc carefully with proper marking and complete documentation carefully and stacking useful slab at proper place as per direction of Engineer Incharge in proper sequence.:Thickness 150mm to 200mm	Sqm	40.00	776.00	31040.00
34.0	Supplying and fixing of fine dressed stone slab "Flooring" of Garbbhgriha/ Sabha mandapa/ Antral/ Praeshmandapa/ Pardakshina etc. as per matching stone , fixing over 50mm thick base of grinded lime surkhi/ sand mortar 1:2 and jointed with lime cream and stone powder 1:1 with an admixture of pigment to match the shade of stone complete in all respect with all lead and lift. :Thickness 150mm to 200mm	Sqm	40.00	2601.00	104040.00
35.0	Removing/ dismambering of disturbed stone "Architectural Parts" of the Bhatta/ Pitha (Jadya/ Kumbha/ Khuarak/ Kapotali/ Grass Patti/ Antar Patra/ Gajthar/ Ashwathar/ Narthar etc. upto mandover height without damaging the parts by machanical/manual system carefully with proper marking and documentation including all scaffolding and shuttering work, stacking the useful architectural parts in proper sequence at proper place as per direction of Engineer incharge.	Cum	35.00	6265.00	219275.00
36.0	Refixing of existing (laying at site) "Architectural Parts" of the Bhatta/ Pitha (Jadya/ Kumbha/ Khuarak/ Kapotali/ Grass Patti/ Antar Patra/ Gajthar/ Ashwathar/ Narthar etc. upto mandover height refixing of architectural parts by machanical/manual system carefully as per temple architecture including all scaffolding and shuttering work in proper sequence as per direction of Engineer incharge.	Cum	30.00	9397.00	281910.00
37.0	Providing and fixing of fine dressed "Architectural Parts" of the Bhatta/ Pitha (Jadya/ Kumbha/ Khuarak/ Kapotali/ Grass Patti/ Antar Patra/ Gajthar/ Ashwathar/ Narthar etc. upto mandover height refixing of architectural parts by machanical/manual system carefully as per temple architecture including all scaffolding and shuttering work in proper sequence as per direction of Engineer incharge.	Cum	5.00	34965.00	174825.00
38.0	Providing and fixing of fine dressed stone "Steps" (solid) of temple with matching stone/ approved quarry fixing of steps as per temple architecture by machanical/ mannual system carefully in proper order and sequence including all lead & lift as per direction of Engineer incharge.	Cum	3.00	24964.00	74892.00

39.0	Removing/ dismantling of disturbed "Architectural Parts" of "Shikhar" (Varandika, venukosha, Bhumi, Amalaka, Laghu Shikhar, Urushringa, Skandha, Griva, Amalasaraka, Chandrika, Kalasha) without damaging the parts by machanical/manual system carefully with proper marking and complete documentation including all scaffolding and shuttering work, stacking the useful architectural parts in proper sequence at proper place as per direction of Engineer incharge (for all lead and lift.)	Cum	5.00	9675.00	48375.00
40.0	Refixing of existing "Architectural Parts" of "Shikhar" (Varandika, venukosha, Bhumi, Amalaka, Laghu Shikhar, Urushringa, Skandha, Griva, Amalasaraka, Chandrika, Kalasha) as per temple architecture without damaging the parts by machanical/manual system carefully with proper order and sequence including all scaffolding and shuttering work as per direction of Engineer incharge (for all lead and lift.)	Cum	2.00	12771.00	25542.00
41.0	Providing and fixing of fine dressed sand stone / approved stone "Architectural Parts" of "Shikhar" (Varandika, venukosha, Bhumi, Amalaka, Laghu Shikhar, Urushringa, Skandha, Griva, Amalasaraka, Chandrika, Kalasha) having carving work as per temple architecture, fixing by machanical/manual system carefully with proper order and sequence including all scaffolding and shuttering work as per direction of Engineer incharge (for all lead and lift.)	Cum	14.00	39456.00	552384.00
42.0	Removing/ dismantling of disturbed "Ashlar stone work" (plain work) of temple by machanical/manual system carefully with proper marking and complete documentation including all scaffolding and shuttering work, stacking the useful parts in proper sequence at the place as directed by Engineer incharge.	Cum	40.00	3775.00	151000.00
43.0	Refixing of existing "Ashlar stone work" (Plain work) of temple by machanical/manual system carefully with proper order and sequence, fixing with grinded lime surkhi/ sand mortar 1:2 and joints flush with lime cream and stone dust 1:1 including all scaffolding and shuttering work, the place as directed by Engineer incharge.	Cum	35.00	4562.00	159670.00
44.0	Providing and fixing of fine dressed "Ashlar stone work" (Plain work) of temple by machanical/manual system carefully with proper order and sequence, fixing with grinded lime surkhi/ sand mortar 1:2 and joints flush with lime cream and stone dust 1:1 including all scaffolding and shuttering work, the place as directed by Engineer incharge.	Cum	20.00	18535.00	370700.00
Total Part-B					4102615.00

Conservation & resstoration work of Muth and Temple at Chandresal, Kota.					
S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part C-Non BSR Items (Item rates)					
1.0	Providing and erecting two legged mild steel tubular scaffolding, of width 1200 to 1500mm, completely free standing, using H frames or mild steel tubular pipes of minimum 40 mm diameter - with base plates, fixed or adjustable with necessary clamps, couplers, brackets for projections, joint pins, pulleys and other accessories, including steel angle or tubular pipe bracings at adequate intervals, access platforms of metal or timber planks of span not exceeding 2.5 metres, including provision of rubber inserts to pipe ends at points of contact with structure to avoid damage, including access ladders with intermediate platforms. The scaffolding is to be suitably braced to make its entire structure self supporting, requiring no anchorage whatsoever from the building components. Item to also include provision of supplying and erecting: (a) Nylon net covering to protect architectural and other surface decoration details on the entire external building face; (b) Safety platforms at ground level covering and clearly demarcating the entrances to/exits from the building; (c) Nylon net covering fixed to the exterior face of scaffolding with duct tape; (d) Safety signage boards - "Work in Progress" and "Caution" - at ground level. The measurements will be calculated by multiplying the lengths of the two legged units at the centre line of the 1200-1500mm scaffold unit widths x heights of the individual rows. The rates will include for the cross bracings between the rows of the scaffold units, and removal of scaffolding etc immediately after completion of work. Payment for the item to be made only once, after satisfactory completion of work.	Sqm	362.95		
2.0	Lowering down & Removal of debris, malba, building rubbish by mechanical support or any other means including lowering from any required height, stacking the same on site, loading, unloading and disposing away from the site without causing dust nuisance and damage to the structure, as per the direction of the engineer incharge	Cum	370.00		
3.0	Providing and fixing SS stitch grouting for masonry repairs and cracks as required and as specified, as Per individual design including cutting chase, bending the ends of SS bars, drilling holes, ramming the same in masonry holes, grouting holes with fine sand lime mortar grout 1:2, mixed with 10% Portland cement by weight of lime, cleaning and then surfacing with mortar / plaster as required at all levels and heights and payable by weight of SS bars specified dia. 6 mm to 10 mm as used.	Kg.	610.00		
4.0	Providing and fixing of Stone Benches of size 1800 mm x 650 mm x 450 mm on the base of 2 nos. of vertical stone of size 200 mm thick , 600 mm wide 1/3 of the total height on 100 thick lime concrete base, the top three stone of size 1800 mm x 200 mm X 100 mm thick with the gap of 25 mm , the tope stone should be fix on both base stone with 12mm dia S.S. pin complete as per drawing and direction of Engineer in charge .	Each	9.00		
Total Part-C					

DEPARTMENT OF ARCHAEOLOGY & MUSEUMS, RAJASTHAN, JAIPUR

Schedule G

Development works at Charan Mandir, Nahargarh (Jaipur)

S.N.	PARTICULARS	Unit	QNTY	RATE	AMOUNT
Part A-Based on PWD BSR- 2014					
1.0	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15cm deep and disposal of rubbish lead up to 50 Mtr. and lift up to 1.5 Mtr.: All kinds of soil	Sqm	2450.00	7.50	18375.00
2.0	Banking excavated earth in layers not exceeding 20cm. in depth breaking clods watering, rolling each layer with 1/2 tonne roller, or stone or steel rammers, and rolling every 3rd and top- most layer with power roller of 8-10 tonne capacity and dressing up in embankments for roads, flood banks marginal banks, and guide banks etc. lead up to 50 Mtr. and lift up to 1.5 Mtr. All kinds of soils	cum	150.00	148.00	22200.00
3.0	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means 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 taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils : ordinary soil.	cum	260.00	155.00	40300.00
4.0	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means 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 taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils : Ordinary Rock	cum	74.00	218.00	16132.00
5.0	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means 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 taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils Hard Rock	cum	37.00	356.00	13172.00

6.0	Supplying and Filling in plinth with river sand under floors including watering ramming consolidating and dressing complete including cost of sand	cum	334.00	887.00	296258.00
7.0	Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in:Cement Mortar 1:6 (1-Cement : 6-Sand).	cum	144.00	2458.00	353952.00
8.0	Random rubble dry stone Kharanja under floor.	cum	177.00	807.00	142839.00
9.0	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. M10 grade Nominal Mix . 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	cum	414.00	3331.25	1379137.50
10.0	Providing and laying pitching on slopes laid over prepared filter media as per drawing and MoRD specifications Clause 1302 Stone/Boulder	cum	567.00	410.00	232470.00
11.0	Demolishing mud phuska/ Lime dhar/ Kharanja in terracing and disposal of unserviceable material within 50 meters lead.	cum	3.00	206.00	618.00
12.0	Fine dressed & machine cut edges 30-35 mm thick sand stone flooring over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) jointed grey cement slurry mixed with pigment to match the shade of stone complete as per design drawing and instruction of El.				
12.1	Red sand stone (Karauli stone)	sqm	25.00	670.00	16750.00
12.2	Pink sand stone (Bansi Paharpur stone)	sqm	10.00	765.00	7650.00
12.3	Mandana stone	sqm	25.00	765.00	19125.00
13.0	Supplying and fixing machine cut fine dressed Red/Pink sand stone dasa or coping , with full moulding if required laid on cement mortar 1:4 including pointing with admixture of pigment matching with the stone shade. 75 mm thick	sqm	181.00	1441.00	260821.00
14.0	Random Rubble stone masonry with hard stone in superstructure above plinth level and upto five level above 30cm. thick walls in :Cement Mortar 1:6 (1-Cement : 6-Sand).	cum	50.00	3013.00	150650.00
15.0	Rough Chisel dressed Kota stone 35 mm thick flooring of approved shade set in pattern over 20mm thick base of cement mortar 1:6 (1 cement : 6 coarse sand) and pointing with cement sand mortar 1:3 with pigment to match the shade of stone with joint thickness up to 15 mm complete in all respects :	sqm	200.00	543.00	108600.00

16.0	Filling available excavated earth (excluding rock) in trenches, plinth side of foundation etc. in layers not exceeding 20 cm. in depth, consolidating each deposited layer by ramming and watering including lead up to 50 meter and with all lift.	cum	100.00	56.00	5600.00
17.0	Supply & Planting of shady plants (Neem, Peepal, Goolar, Jamun, Imli or other specified) along road side including the following activities :- (1). Preparation of soil including cleaning & removing of unwanted shrubs removal of stones & garbage. (2). Supply of plant at site of two years of age & height more than 1.50 Mtr. (3) Supply of dry manure. Farm yard manure organic. (4) Supply of Insecticides. (5) Digging of pits size 60x60x60 cms. Including removal of stones, Manuring application of insecticides & watering at least 15 liter per plant after planting. (6) Half brick Circular tree guard in second class bricks, internal dia 1.25 meter and height 1.20 meter above ground and 0.20 meter below ground, bottom two courses laid dry and top three courses in cement mortar 1:6 (1 Cement : 6 Sand) and the intermediate courses being in dry honey comb masonry, as per design complete. (7) Watering to plants. (8) Maintenance of plants by the contractor including pits, preparation of Thavala Hoeing weeding etc. & application of insecticides etc. & security. If the plant die during maintenance contractor has to replace same height plant at his own cost.	Each	100.00	1572.00	157200.00
				Total Part- A	3241849.50

S.N.	PARTICULARS	Unit	QNTY	RATE	AMOUNT
Part B-Based on A&M BSR- 2011					
1.0	Lime Surkhi Plaster 1:2 (1 Lime : 2 Surkhi) including preparation of mortar by traditional practice (by grinding) in 3 course for base coarse and subsequent course & Loi, tamping, beating, curring till the shrinkage cracks are disappear. The work is to be done with all lead as the work is of restoration nature as per Jaipur practice including adding gur, methi & gugal on old walls including removal of all old loose and decade plaster, each coat to be done after 3 days of previous coat. 33 mm thick in four coats	Sqm	342.00	145.00	49590.00
2.0	Flush pointing over joints of dressed stone cladding, chajjas, jali etc. with neat cement, sand & colour including racking the joints as per Jodhpur practice including all leads and lifts with grinded mortar of lime putty and stone powder mixed in 1:1 ratio and gur, methi, gugal etc. are to be mixed as per old traditional practice.	Sqm.	144.00	147.00	21168.00
3.0	Random Rubble stone masonry for foundation and plinth in Lime surkhi mortar 1:2 above 30cm. thick walls in : (1 Lime putty : 2 Surkhi including adding admixture like gur, methi etc. in mortar.)	Cum	158.00	1500.00	237000.00
4.0	Random Rubble stone masonry for superstructure, 4.50mtr. Height above plinth level/ one storey height above 30cm. thick walls in : Lime surkhi mortar 1:2 (1 Lime putty : 2 Surkhi including adding admixture like gur, methi etc. in mortar.)	Cum	17.00	1680.00	28560.00
5.0	Providing and applying breathable, non-reactive, transparent, antifungal, UV resistant, alkaline stable, impregnable silane-siloxane or equivalent based water repellent coating on exposed absorbing substrate like lime surface in two or more coats to give uniform finish surface in all heights, horizontal, inclined, vertical and on ceiling complete in all respect and making it complete water-proof as per direction of the Engineer-in charge.	Sqm	265.00	119.00	31535.00
6.0	Providing & fixing ashlar "Rain water Spouts" (3) lines dressed as per traditional practice / existing design / approved design size 60 x 30 x 25 cm, fixing the rain water spout with lime surkhi mortar 1:2, with proper slope complete in all respect.	Each	12.00	750.00	9000.00

7.0	Making Gardana under ceiling/ chajja with katla stone and grinded Lime surkhi mortar 1:2 including moulding work and fine finishing with grinded Lime surkhi mortar 1:2 as per existing matching/ traditional practice complete in all respect; Size 15cm X 15cm.	Rmtr.	30.00	380.00	11400.00
8.0	Providing & applying Lime kara 1:2 (1lime cream : 2 Zikki powder) grinding mortar with grinding mill/manually on lime base, on all flat surface in two coats. First coat applying 3mm to 4mm thick and curing properly at least 7 days, second finishing coat done after 7 days of previous coat as per traditional practice. (thickness not more than 6 mm.)	Sqm.	572.00	343.00	196196.00
9.0	Providing and Fixing fine dressed "kerb stone (Dand stone) along with path way /gardening, tapper/ round with top edges in lime surkhi mortar 1:2 including pointing with lime cream and stone dust with an admixture of pigment complete in all respect as per direction of Engineer incharge. Size 200 x450mm fine dressed.	Rmtr.	355.00	1335.00	473925.00
10.0	Providing and fixing stone " Khura " in historical building (forts & palaces etc.) with approved stone, fixing of khura (ramp way) in grinded lime surkhi /sand mortar 1:2, making khura with rough chisel dressed stone size (125mm thick & 30cm in depth) of stone fixing vertically, as per direction of Engineer incharge. (khura should be non slippery surface)	Sqm	7.00	1350.00	9450.00
11.0	Stone flooring work with chisel dressed surface of approved shade and quarry in irregular shape as per existing pattern on a base of grinded lime sand mortar 30mm thick and jointing with masaldar lime putty and stone dust mixed in 1:1 ratio with admixture of pigment (75mm thick) stone as per existing matching.	Sqm	336.00	1254.00	421344.00
12.0	Add extra for decorative/ornamental Lime surkhi 1:2 plaster work with fine finish making kangoora, flowers, geometrical designs upto (khat) including preparation of Lime surkhi mortar 1:2 as per traditional practice adding gur, methi, gugal etc. Upto 25mm thick/depth	Sqm.	24.00	412.00	9888.00
13.0	Providing and fixing of fine dressed stone "Steps" (solid) of temple with matching stone/ approved quarry fixing of steps as per temple architecture by mechanical/ manual system carefully in proper order and sequence including all lead & lift as per direction of Engineer incharge.	Cum	7.00	24964.00	174748.00
Total Part-B					1673804.00

S.N.	PARTICULARS	Unit	QNTY	RATE	AMOUNT
Part C-Non BSR Items (Item rates)					
1.0	Providing and Fixing stone cobbles , Bijolia Grey/Bansi Paharpur/Kota"Cobbles" (100x100x100) on path way / open court yards over 40mm thick cement sand mortar 1:3, including keeping 10mm joint between cobbles filled with cement sand mortar 1:3 complete in all respects. The mortar should remain recessed by 5mm from the top surface of the cobble stone.	Sqm	3000.00		
2.0	Consolidation of original stone masonry (before plastering) and gaps between masonry surfaces ,on a raked surface including cleaning of the surface and applying/ inserting traditional lime mortar 1:3 (1 Lime : 1 Coarse Sand: 1 Khakha: 1 Surkhi aggregate), up to desired thickness, properly filled and compacted with appropriate tool to fill and cover the opened joints.	Sqm	56.00		
3.0	Add extra for Recessed pointing on stone masonry in lime surkhi mortar 1:3 (1 lime : 3 surkhi). The mortar should remain recessed by 10 mm from the top surface of the stone. Finishing shall be done as per the satisfaction & architect Incharge.	Sqm	342.00		
4.0	Providing and fixing fine dressed "sand stone flooring " with Red/Pink sand stone (Karauli/dholpur stone) machine cut of approved shade set in pattern over 30mm thick base of lime surkhi mortar 1:2 including jointing finished flush with lime putty and stone powder with an admixture of pigment as per direction of Engineer incharge. (75mm thick)	Sqm	147.00		
Total Part-C					

DEPARTMENT OF ARCHAEOLOGY & MUSEUMS, RAJASTHAN, JAIPUR

Schedule-G

Conservation & restoration work of Pracheen Mahal at Kumher, Bharatpur

S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part A-Based on PWD BSR- 2014					
1.0	Earth work in excavation over areas (exceeding 30cm in depth, 1.5 Mtr. in width as well as 10 Sqm on plan) including disposal of excavated earth lead up to 50m and with all lift disposed earth to be levelled and neatly dressed: All kinds of soil.	Cum.	650.00	152.00	98800.00
2.0	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils.	Cum.	100.00	155.00	15500.00
3.0	Providing and laying brick kharanja on roofs with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound in square pattern, 75mm to 100mm thick average.	Sqm	500.00	252.00	126000.00
4.0	Supplying and fixing stone lintels/bed plates of approved quarry rough dressed in cement mortar 1:4 : Upto 15 cm. thick.	Cum.	2.00	8330.00	16660.00
Total Part-A					256960.00

Conservation & restoration work of Pracheen Mahal at Kumher, Bharatpur					
S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part B-Based on A&M BSR- 2011					
1.0	Site clearance by uprooting of trunk vegetation, bush, wood, trees and sapplings of girth upto 15 cms and disposal of rubbish within 50 mtr. Including leveling and dressing of ground as per direction of Engineer in charge.	Sqm	2000.00	20.00	40000.00
2.0	Providing and laying lime Dhar on roofing as per Rajasthan, Jaipur traditional practice with lime, surkhi, old lime powder, brick aggregate 12 to 20mm (1:2:2:2) and using methi, gur, hemp, belgiri etc. including beating and temping 100 to 150mm thick as per specifications. Including dismantling of old deteriorated roofing.	Sqm	550.00	531.00	292050.00
3.0	Providing and spray / brushing of Gur, gugal & methi solution for bonding of lime work as per specification (200 gm gugal, 200 gm belgiri powder, 200 gm methi powder and 1 kg. Gur mixed in 20 litre water and boiled and stired till the solution volume reduce upto 3 / 4 th) using 15.00 litre solution in 10 sqm. area.	Sqm	1350.00	30.00	40500.00
4.0	Providing and fixing fine dressed sand stone "Todies" (Brackets) as per existing matching stone with moulding work with fine finishing, fixing in grinded lime surkhi mortar 1:2 including scaffolding, lead and lift complete in all respect. Size : 90cm x 60cm x 10cm (exposed part only)	Each	40.00	3180.00	127200.00
5.0	Providing and fixing fine dressed sand stone / approved stone "Chajja" for palaces, chattries, forts and jharokas with fine dressed surface both sides and front edges should be round shape/moulding, fixing in grinded lime surkhi mortar 1:2 joint flush with proper adhesive with pigment to match the shade of stone (thickness of chajja on front edge 50mm and 75mm on fixing end) exposed surface is to be measured only	Sqm	120.00	4099.00	491880.00
6.0	Providing and laying lime concrete in foundation and plinth using 40% lime mortar and 20mm nominal size graded aggregate (crusher broken) including ramming and watering complete in all respect comprising of : (1 Lime putty : 2 Surkhi mortar.)	Cum.	80.00	2050.00	164000.00
7.0	Providing and Fixing fine dressed sand stone approved stone" Railing" as per existing design and matching with thambli,fixing of railing with proper adhesive /clips complete in all respect (thambli & clips paid seperately.)50 mm. thick with moulding/lining.	Sqm	52.00	2990.00	155480.00
8.0	Providing and fixing fine dressed sand stone / approved stone "Thambli" (katahara pillers including) kalash on top, fixing on dasa as per existing design for fixing of stone jalies/ railings including making grooves as per required size. Size 100x100x750mm including kalash with moulding	Each	100.00	640.00	64000.00

9.0	Providing and fixing dressed 35mm to 40mm thick "flooring" with pink sand stone (Machine grinded surface) machine cut of approved shade set in pattern over 30mm thick base of lime surkhi mortar 1:2 including jointing finished flush with lime putty and stone powder with an admixture of pigment complete in all respect	Sqm	220.00	850.00	187000.00
10.0	Providing and fixing fine dressed sand stone "Cladding" (Plain dressing only) as per existing matching , fixing in grinded lime surkhi mortar 1:2 including pointing in cream and stone powder 1:1 with an admixture of pigment to match the shade of stone complete in all respect including removal of damaged cladding. 50mm to 60mm thick.	Sqm	60.00	1679.00	100740.00
11.0	Stone flooring work with chisel dressed surface of approved shade and quarry in irregular shape as per existing pattern on a base of grinded lime sand mortar 30mm thick and jointing with masaldar lime putty and stone dust mixed in 1:1 ratio with admixture of pigment (75mm thick) stone as per existing matching.	Sqm	600.00	954.00	572400.00
12.0	Providing and fixing fine dressed sand stone/approved stone "JALI"as per existing matching geometrical design including moulding work with fine finishing, fixing with thambli by proper adhesive and white cement with pigment including making groove etc. complete in all respect. 50mm thick.	Sqm	20.00	6221.00	124420.00
13.0	Providing and fixing double leaf door wooden shutters made of 1st grade well seasoned sheesham wood as per traditional design (Deshi pattern) planks thickness 40mm and width of binies, Andheri 50mm and 35mm, including Adwa etc. with fittings (nails, sankal, kunda, cheri, handle and patti etc.) as per existing matching/ as per approved design with moulding/ carving complete in all respect : Sheesham wood grade 1st	Sqm	40.00	3850.00	154000.00
14.0	Making Gardana under ceiling/ chajja with katla stone and grinded Lime surkhi mortar 1:2 including moulding work and fine finishing with grinded Lime surkhi mortar 1:2 as per existing matching/ traditional practice complete in all respect;Size 35cm X 35cm.	Rmtr.	100.00	724.00	72400.00
15.0	Tuman masonry by brick bats/ stones in grinded mortar of Lime Surkhi mortar 1:2/lime sand mortar 1:2 including racking and removal of all old loose plaster and cleaning the wall surface properly as per direction of Engineer Incharge.	Sqm	500.00	256.00	128000.00
16.0	Making Kangura on top of the wall as per jaipur traditional practice with tile brick in grinded lime surkhi mortar 1:2 thickness of kangoora 15cm & height 45cm, finishing with lime surkhi mortar 1:2 complete in all respect upto 10.00 mtr.from ground level including all scaffolding, lead & lift.	Rmtr.	100.00	774.00	77400.00

17.0	Providing and Fixing fine dressed "kerb stone (Dand stone) along with path way /gardening,tapper/round with top edges in lime surkhi mortar 1:2 including pointing with lime cream and stone dust with an admixture of pigment complete in all respect as per direction of Engineer incharge.Size 200 x450mm fine dressed.	Rmtr.	45.00	1335.00	60075.00
18.0	Random Rubble stone masonry for foundation and plinth in Lime surkhi mortar 1:2 above 30cm. thick walls in : (1 Lime putty : 2 Surkhi including adding admixture like gur, methi etc. in mortar.)	Cum.	140.00	1500.00	210000.00
19.0	Random Rubble stone masonry for superstructure, 4.50mtr. Height above plinth level/ one storey height above 30cm. thick walls in : Lime surkhi mortar 1:2 (1 Lime putty : 2 Surkhi including adding admixture like gur, methi etc. in mortar.)	Cum.	60.00	1680.00	100800.00
20.0	Providing and fixing fine dressed sandstone 'Dasa/Coping as per existing matching, fixing in grinding lime surkhi mortar 1:2 including pointing in cream and stone powder 1:1 with an admixture of pigment to match the shade of stone complete in all respects				
20.1	75mm to 100mm thick with pan patti design.	Sqm	30.00	2456.00	73680.00
20.2	75mm to 100mm thick plain with fine dressing.	Sqm	100.00	1612.00	161200.00
Total Part-B					3397225.00

Conservation & restoration work of Pracheen Mahal at Kumher, Bharatpur					
S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part C-Non BSR Items (Item rates)					
1.0	Providing dry trap/ rubble stone soling 15cm to 20cm thick including hand packing and compacting etc. complete	Cum.	150.00		
2.0	Lowering down & Removal of debris, malba, building rubbish by mechanical support or any other means including lowering from any required height, stacking the same on site, loading, unloading and disposing away from the site without causing dust nuisance and damage to the structure, as per the direction of the engineer incharge	Cum.	400.00		
3.0	Providing gola 75mm x 75mm in lime concrete 1:2:4 (1 lime: 2 coarse sand: 4 graded stone ballast 10mm nominal size) including finishing with lime mortar 1:2 (1lime: 2 fine sand)	Rmtr.	220.00		
4.0	Demolishing brickwork / any type of masonry in lime or cement mortar of walls and vaults, arches, slabs etc. including stacking of serviceable material and disposal of unserviceable material within 50m lead	Cum.	30.00		
5.0	Providing and fixing 1st class sal wood full length new members like joists, rafters, purlins, etc. including all fixtures and fastenings etc. complete. Item to include all mouldings and chamfers to be made as per original design indicated by the Architects, Item to include using a larger section of wood to get the mouldings and chamfers as per original design, sample to be shown to the Architect for approval before fixing. Item to also include application of solignum on the wooden surface.	Cum.	23.00		
6.0	Providing and fixing SS stitch grouting for masonry repairs and cracks as required and as specified, as Per individual design including cutting chase, bending the ends of SS bars, drilling holes, ramming the same in masonry holes, grouting holes with fine sand lime mortar grout 1:2, mixed with 10% Portland cement by weight of lime, cleaning and then surfacing with mortar / plaster as required at all levels and heights and payable by weight of SS bars specified dia. 6 mm to 10 mm as used.	Kg.	600.00		

7.0	<p>Providing Lime Surkhi Sand Plaster 1:2:1 (1 Lime putty : 2 Sand : 1 Surkhi) including preparation of mortar by traditional practice (by grinding) and mixing gur, gugal, methi, bel rus and any other additives as directed by the Architect, 30-40mm thick in 3 courses for decorative columns, arches etc. works including & Loi, tamping, beating, till the shrinkage cracks disappear. The work is done with all leads as the work is of restoration nature as per Rajasthan practice including adding gur,methi & gugal on old walls including removal of all old loose and decayed plaster, each coat to be done after 3 days of previous coat. All surfaces to be plastered shall be thoroughly wetted for 24 hours before commencing plaster and shall be kept damp during the progress of work. At the same time the wall should not be too wet, as plaster is then likely to fall out . It is essential to maintain uniform suction of water by receiving surfaces, which shall be ensured by damping evenly all dry patches before applying plaster. The Project Manager will inspect and approve all preparatory work before the commencement of plastering work. Curing to be done for 21 days with help of water spray pump or any other necessary methods to avoid any surface cracks. In case of development of surface cracks, the same to be redone as part of rectification works to achieve the necessary level of finish as directed by Architect or Engineer in charge.Item to include all necessary tools, scaffold if required etc. complete</p>	Sqm	1350.00		
8.0	<p>Providing final plaster finish coat of Lime Putty of 5mm thickness in 1 course. Before the final coat an additional intermediate Lime Sand Plaster 1:2 (1 Lime putty : 2 Sand) coat 10mm thick to be provided in 1 course on newly plastered walls including preparation of mortar by traditional practice (by grinding), & Loi, tamping, beating, till the shrinkage cracks disappear. All surfaces to be plastered shall be thoroughly wetted for 24 hours before commencing plaster and shall be kept damp during the progress of work. At the same time the wall should not be too wet, as plaster is then likely to fall out . It is essential to maintain uniform suction of water by receiving surfaces, which shall be ensured by damping evenly all dry patches before applying final plaster. The final plaster to be done only after complete curing and rectification if required of the plastered areas are complete. The Project Manager will inspect and approve all preparatory work before the commencement of plastering work. Curing to be done for 21 days with help of water spray pump or any other necessary methods to avoid any surface cracks. In case of development of surface cracks, the same to be redone as part of rectification works to achieve the necessary level of finish as directed by Architect or Engineer in charge. Item to include all necessary tools, scaffold if required etc. complete</p>	Sqm	1350.00		

9.0	Removal of plant/ficus growth by pulling out root system embedded in masonry, cutting stem and application of <i>hing/gur/lime</i> formulation as specified by Architect or other patented chemical biocide treatment such as biocide 'Glycel' – (iso propylamine salt of glyphosate) or other chemical as specified by Architect and Removal of ferrous fixings and nails embedded in the plaster and masonry of the exterior facades and making good with lime mortar mix 1:2 (1 lime, 2 Quartz sand/ sand), colour matched as per Architects specifications.	Each	50.00		
10.0	Restoration of Smooth Lime mortar flooring/lime dhar in proportions 1:2 (1 Lime putty : 2 Sand) including 12to20mm graded brick aggregate and preparation of mortar by traditional practice (by grinding) and mixing gur, gugal, methi, bel rus and any other additives as directed by the Architect, 35 - 50 mm average thickness including dismantling of damaged part and Lo, tamping, beating, till the shrinkage cracks disappear including all leads and lifts and laid to proper slope to drain off water entirely. Curing to be done for 21 days with help of wet jute bags or ponding or any other necessary methods to avoid any surface cracks. In case of development of surface cracks, the same to be redone as part of rectification works to achieve the necessary level of finish as directed by Architect or Engineer in charge. The top layer to be treated with false marking of existing grid or of any other size grid including 'ghuttai' to achieve smooth even surface as directed by the Architect or Engineer in Charge. Item to include all necessary tools, curing etc. complete	Sqm	630.00		
11.0	Providing new/ restoration of decorative sandstone door frames and architraves as per the original details found on site. The damaged portions of the original door frame/ architrave to be carefully dismantled without damaging the adjacent areas, and replacing the same with new detail fixed using lime sand mortar 1:2 and of the same size and design as that of the original details found on site. Sample of the terracotta frame/ architrave to be shown to the Architect for approvals before procuring and fixing the same on site. Item to include all necessary anchoring details, scaffolding if required etc. complete. Mode of Measurement: Item to be paid only for the part of the door frame/ architrave made new and not the entire frame/ panel of architrave	Cum.	9.00		
			Total Part-C		

DEPARTMENT OF ARCHAEOLOGY & MUSEUMS, RAJASTHAN, JAIPUR

Schedule G

Development of Basic Tourist facilities to Tourists at Shree Mahaveerji, Karauli

S.N.	PARTICULARS	Unit	QNTY	RATE	AMOUNT
Part A-Based on PWD BSR- 2014					
1.0	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sum on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5 m , disposed earth to be levelled and neatly dressed: All kinds of soil	cum	1144.00	152.00	173888.00
2.0	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils	cum	95.00	155.00	14725.00
3.0	Filling available excavated earth (excluding rock) in trenches, plinth side of foundation etc. in layers not exceeding 20 cm. in depth, consolidating each deposited layer by ramming and watering including lead up to 50 meter and with all lift.	cum	230.00	56.00	12880.00
4.0	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	cum	198.00	3331.25	659587.50
5.0	Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in: Cement Mortar 1:6 (1-Cement : 6-Sand).	cum	70.00	2458.00	172060.00
6.0	Random Rubble stone masonry with hard stone in superstructure above plinth level and upto five level above 30cm. thick walls in : Cement Mortar 1:6 (1-Cement : 6-Sand).	cum	121.00	3013.00	364573.00
7.0	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish : 20mm thick.	psqm	154.00	128.00	19712.00
8.0	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish : 25mm thick.	sqm	738.00	168.00	123984.00

9.0	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	sqm	1000.00	55.00	55000.00
10.0	Providing and fixing Granite stone slab mirror polished and machine edge cut in walls, Pillars, Steps, Shelves, sills, Counters, Floors etc. laid on 12mm (Av.) thick base of cement mortar 1 : 3 (1 cement : 3 coarse sand) jointing with white cement mortar 1 : 2 (1 white cement : 2 marble dust) with pigment to match the shade of the granite slab complete including rubbing and polishing of : Jhunjhunu / Jalore (Red / Chocolate Colour)Above 3601 Cm2 Slabs	sqm	73.00	3286.00	239878.00
11.0	Extra for providing edge moulding to 15-18mm thick marble/ Granite stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite Work	Rmtr	50.00	212.00	10600.00
12.0	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for : Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	SQM	109.00	295.00	32155.00
13.0	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level. Thermo-mechanically Treated bars (Conforming of relevent IS code)	KG	1884.00	74.00	139416.00
14.0	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement for Beams, suspended floors, roofs, grids having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases etc. M20 grade Nominal Mix / Design Mix	pcum	12.00	4490.00	53880.00

15.0	Providing and fixing steel gate, grating , and grills made of angles, tees, square bars, flats,or black pipe with holdfast and fittings complete as per design and drawing including cutting welding and fabrication with priming coat of red oxide	pkgs	3000.00	92.00	276000.00
16.0	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : Cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum	16.00	4096.00	65536.00
17.0	Half brick masonry in foundation & plinth using bricks of designation 75. Cement mortar 1 : 4 (1 cement : 4 coarse sand)	SQM	81.00	452.00	36612.00
18.0	Providing and applying white cement based putty over plastered surface to prepare the surface even and smooth complete	SQM	100.00	90.00	9000.00
19.0	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade including all scaffolding: Two or more coats on new work including preparation of base with primer, putty, lippy etc complete in all respect.	SQM	100.00	63.00	6300.00
20.0	Providing and fixing 1st quality standard white, grey, ivory, fume red brown, light green, light blue and other light shades glazes tiles ISI marked (IS : 13753) of size 300mm X 200mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in white cement mixed with pigment to match the shade of tile complete (excluding the cost of cement plaster on walls and pillar). Category-A : Kajaria, Jhonson, Somani make.	sqm	110.00	613.00	67430.00
21.0	Providing and fixing 1st quality MAT finished Ceramic Tile size 300X300mm conforming to IS : 13753 colour such as white, grey, ivory, fume red brown, light green, light blue and other light shades in floors, steps, pillars etc. laid on a bed of neat cement slurry including nicely finished joints using water proof joint filler powder (Untile or Roffe make) with pigment to match the shade of tile complete (including the cost of cement mortar bed 1:4). Category-A : Kajaria, Jhonson, Somani make.	sqm	167.00	680.00	113560.00
22.0	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	3.00	233.00	699.00

23.0	Providing & fixing door, window, chowkhats and other frames, including antitermite treatment, M.S. flat, hold fasts of size 250 x 40 x 3mm fixed with M.S. bolt 5mm dia 50mm long duly embedded in cement concrete M-15 grade :Sal wood Grade - I.	cum	1.25	42291.00	52863.75
24.0	Providing and fixing fully panelled/partly panelled/ double leaf shutter frame for doors as per approved design and drawings with approved ordinary C.P./ oxidised steel fittings as per Annexure - 'A' and width of styles & top rails of 100mm and lock rails width of 150mm and bottom rails of 200mm width including teak wood beading of size 19mm x 12mm on both faces complete :35 mm thick Ivory coast wood grade I	sqm	49.00	2897.00	141953.00
25.0	Providing and fixing fully panelled /partly panelled double leaf shutters frame for windows and ventilators as per approved design and drawings with approved steel fittings as per Annexure 'A' and width of styles, bottom and top rails 75mm including intermediate rails 50mm wide, beading of 25mm x 15mm size on both faces :35 mm thick Ivory coast wood grade I	sqm	38.00	2577.00	97926.00
26.0	Providing and fixing wood panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled and glazed shutter 25 mm to 40 mm thick Ivory coast wood grade I	sqm	38.00	2345.00	89110.00
27.0	Providing and fixing wood panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled and glazed shutter 25 mm to 40 mm thick. IS 710- 1976 marked 12 mm thick Teak ply BWR one side	sqm	49.00	1358.00	66542.00
28.0	Providing and fixing 75 mm wide Decorative Border in different shades and in all colours in glazed tiles laid over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white mixed with pigment of matching shade complete.	Rmtr	10.00	331.00	3310.00

29.0	Providing and applying Melamine polish on teak wood work of approved brand and manufacture to give an even shade with two or more coats by compressor including sand papering, wood filler coat etc complete in all respect:	sqm	51.00	768.00	39168.00
30.0	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. M15 grade Nominal Mix. 1: 2: 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	cum	12.00	4003.75	48045.00
				Total Part-A	3186393.25

S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part B-Based on PWD BSR- 2014 (Sanitary work)					
1.0	P & F Indian type white glazed vitreous china 1st quality W.C. Orissa pan (I.S. : 2556 Mark) with 100mm vitreous china P or S trap including cutting and making good the wall and floor. Size 530 X 410mm.	each	3.00	2067.00	6201.00
2.0	P & F WVC Foot-rest (IS : 2556 Mark) including cutting and making good the floor size. 250 X 125 X 25mm.	each	3.00	169.00	507.00
3.0	P & F European type white glazed vitreous china 1st quality W.C. (I.S. : 2556 Mark) including cutting and making good the wall and floor. Wall mounting (extended)	each	3.00	3066.00	9198.00
4.0	P & F water closet Seat Covers with brass hinges complete : Solid PVC (ISI Marked) grade-I White for EWC.	each	3.00	353.00	1059.00
5.0	P & F C.P. lugs for toilet seat cover.	each	6.00	72.00	432.00
6.0	P & F Low level flushing cistern of 10 litres capacity (IS :2556 mark) of approved make with complete fittings, C.I. brackets duly painted, brass ball cock with ball, (IS : 1703 mark) complete including cutting and making good the wall : WVC with C.P. brass bend.	each	6.00	1910.00	11460.00
7.0	P & F Automatic Flushing Cistern of First quality (IS : 774 Mark) of approved make fitting, syphon with copper tube, C.I. brackets complete including cutting and making good the wall: WVC (as per IS : 2556) 10 litres.	each	4.00	988.00	3952.00
8.0	P & F WVC wash basin (1st quality, I.S. : 2556 Mark) of approved make with C.I. brackets duly painted, 1 No. 15 mm C.P. Pillar cock (I.S. : 8934 mark) & 32mm C.P. brass waste coupling of approved make, 25mm G.I. waste pipe complete including cutting & making good the wall :				
8.1	460 dia for counter top	each	5.00	2240.00	11200.00
8.2	Size 450 mm x 300 mm	each	5.00	1718.00	8590.00
9.0	P & F Bottle Trap of approved make : C.P. Brass 40mm.	each	10.00	460.00	4600.00
10.0	P & F Waste Coupling with fittings of approved quality make : C.P. Brass 40mm. Dia.	each	10.00	165.00	1650.00
11.0	P & F 1st quality WVC Urinal (IS:2556 mark) with 25mm dia G.I. waste pipe, dome waste couplings, concealed iron brackets or screws etc complete. Flat Back (large) or half stall size 610x400x80mm.	each	3.00	3372.00	10116.00

12.0	P&F Marble Urinal Partition slab both sides polished of approved design cut from marble size 900x600mm. Makrana II quality marble having light spots.	each	2.00	839.00	1678.00
13.0	P & F Looking Mirrors with P.V.C. frame of approved make as per direction of Engineer-in-charge. Size 500x400mm	each	8.00	266.00	2128.00
14.0	P & F Waste Pipe with all fittings. P.V.C. with C.P. nut 32mm	each	12.00	132.00	1584.00
15.0	P & F Toilet Shelf of approved quality/make : Acrylic shelf on C.P. brass casted brackets & guard rail of Commander equivalent make size 550 X 125 mm.	each	4.00	755.00	3020.00
16.0	P & F Towel Rail or Ring of approved quality/make : C.P. brass Towel rail elbow type with concealed scrwes size 450mm (Heavy duty.)	each	4.00	340.00	1360.00
17.0	P & F Grating of approved quality/make : Stainless steel sheet size 125mm dia. Heavy Quality of approved make.	each	20.00	70.00	1400.00
18.0	P & F Liquid Soap Container with brackets complete of approved make : C.P. brass	each	4.00	160.00	640.00
19.0	P & F Toilet Paper Holder with rod of approved quality/make. C.P. brass	each	3.00	150.00	450.00
20.0	P & F Soap dish or Tray of approved quality/make. C.P. brass heavy & Superior quality.	each	4.00	105.00	420.00
21.0	P & F jet spray for water closet with C.P. Copper Tube flange of approved make.	each	3.00	266.00	798.00
22.0	P & F G.I. pipes (internal work) with G.I. fittings (IS : 1239 Mark) & MS clamps, including cutting and making good the walls and floors : Concealed pipe in wall including with anticorrosive bitumen paint. 15 mm dia nominal bore 'B' Class	Rmtr	200.00	176.00	35200.00
23.0	P & F G.I. pipes (External work) with G.I. fittings (IS : 1239 mark) including trenching & refilling earth etc.				
23.1	15mm dia nominal bore 'B' Class	Rmtr	150.00	137.00	20550.00
23.2	25mm dia nominal bore 'B' Class	Rmtr	200.00	217.00	43400.00
23.3	32mm dia nominal bore 'B' Class	Rmtr	60.00	270.00	16200.00
24.0	Making connection of G.I. distribution branch with G.I. main including all fittings.				
24.1	Upto 25mm dia	Each	2.00	230.00	460.00
24.2	Beyond 25 mm & upto 100 mm dia.	Each	2.00	338.00	676.00
25.0	Fixing water meter (IS : 779 mark) and stop cock in G.I. pipe line including making chamber of approved size excluding cost of water meter & stop cock.	Each	2.00	267.00	534.00

26.0	P & F water meter (IS : 779 mark) of approved make. 15mm dia.	Each	2.00	863.00	1726.00
27.0	P & F Pillar cocks (IS : 8934 mark) of superior quality and approved make : C.P. Pillar cock 15 mm dia.	each	8.00	708.00	5664.00
28.0	P & F inlet connection (angle, valves) superior quality of approved make C.P. inlet connection with 37mm long pipe & nuts.	each	40.00	586.00	23440.00
29.0	P&F bib cocks (IS : 8931 mark) superior quality of approved make C.P. brass bib cock 15mm dia.	each	10.00	536.00	5360.00
30.0	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make:(-do-) Long body, 15mm nominal bore weight not less than 690 gm	each	15.00	800.00	12000.00
31.0	P&F full-way valve (IS : 778 mark) or wheel valve of approved make, Gun metal 15mm.	each	10.00	277.00	2770.00
32.0	P&F full-way valve (IS : 778 mark) or wheel valve of approved make, Gun metal 25mm.	each	10.00	481.00	4810.00
33.0	P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg./Cm2.) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant.				
33.1	110 mm dia.	Rmtr	50.00	188.00	9400.00
33.2	75 mm dia.	Rmtr	50.00	119.00	5950.00
34.0	P&F rigid PVC pipe fittings (IS: 4985 mark) of approved quality /make including joining the pipe with solvent cement rubber ring and lubricant:				
34.1	110 mm dia bend	Each	8.00	112.00	896.00
34.2	door tee 110mm dia	Each	8.00	149.00	1192.00
34.3	Socket 110mm dia 87.50	Each	8.00	75.00	600.00
34.4	Socket 75mm dia	Each	8.00	61.00	488.00
34.5	Bend 110mm dia 87.50	Each	10.00	112.00	1120.00
34.6	Cowel 110mm dia	Each	10.00	39.00	390.00
34.7	Cowel 75mm dia	Each	10.00	30.00	300.00
34.8	110mm dia door tee	Each	8.00	149.00	1192.00
34.9	75mm dia with door tee	Each	8.00	124.00	992.00
35.0	P&F square mouth gully trap 'A' grade (IS: marked) of approved make complete with C.I. grating frame & Cover masonry chamber in CM 1:6, 100mm thick C.C. M-15 grade coping, 12mm thick as per approved design & type Trap size 150 X 100mm 7.2 kg. CI cover with frame internal chamber size 300mm X 300mm.	Each	10.00	996.00	9960.00

36.0	Construction of Septic Tank in all types of soil with 40 cm. thick masonry in CM 1 : 6, 15 Cm. thick C.C. bed of 1 : 5 : 10, M-15 grade C.C. flooring & over stone slab covering, 80mm thick slab, jointing of slab in CM 1 : 3 Ralthal, Kharanja, 50 mm thick stone partition walls, 20mm thick plaster in CM 1 : 6 finished with neat floating cement, 4 Nos. C.I. foot rests of approved design, two No. 450mm dia 25 Kg. each C.I. cover with frame, earth work etc. complete as per approved drawing including disposal of surplus earth within a lead of 50 mtr. Size 400 X 140 X 150 cm. (for 50 users)	each	2.00	45067.00	90134.00
37.0	Construction of Soakage well in all types of soil 300 mm thick dry stone masonry, top and bottom 300 mm course in CM 1:6, 80mm thick stone slab, jointing of slab in CM 1 : 3, Ralthal, Kharanja, 40 mm thick M-15 grade C.C. flooring, earthwork including disposal of earth within a lead of 50 mtr : Size 300 Cm. dia outside & 300 cm. depth.	each	2.00	18997.00	37994.00
38.0	Construction of Manhole in all types of soil inner size 90 X 60 cm. with 300mm thick masonry in CM 1 : 6, 10 cm. thick cement concrete 1 : 5 : 10 in foundation, 20mm thick inside plaster in CM 1 : 6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring making channels, 80mm thick stone slab covering with 40mm thick M-15 grade C.C. flooring, 25 Kg. CI cover with frame of 450mm dia, earthwork etc. complete as per design including disposal of surplus earth within 50 mtr. lead. Depth upto 0.5 M	each	6.00	4320.00	25920.00
39.0	Construction of Manhole in all types of soil inner size 90 X 60 cm. with 300mm thick masonry in CM 1 : 6, 10 cm. thick cement concrete 1 : 5 : 10 in foundation, 20mm thick inside plaster in CM 1 : 6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring making channels, 80mm thick stone slab covering with 40mm thick M-15 grade C.C. flooring, 25 Kg. CI cover with frame of 450mm dia, earthwork etc. complete as per design including disposal of surplus earth within 50 mtr. lead. Depth up to 1.5 M	each	2.00	15755.00	31510.00
40.0	Providing Laying & jointing glazed S.W. pipes grade `A` (IS;651 marked) of approved make with spun yarn & stiff mixture of cement mortar 1:1, excavation & refilling of earth in all types of soil upto 1.2m depth, S.W. fittings, including testing of joints etc, complete.150mm dia	Rmtr	150.00	369.00	55350.00
41.0	Providing & Laying C.C. 1:5:10 (Stone aggregate 40mm nominal size) all around S.W. pipe including 15 Cm. thick bed concrete (Width W= Diameter of pipe in Cm+30 Cm.)(Excluding cost of pipe)150mm dia	Rmtr	150.00	485.00	72750.00

42.0	P & F PVC Storage Tank ISI Marked (IS : 12701) indicating the BIS license No), of approved make with cover, 25mm dia 1M long G.I. over-flow pipe & 25 Cm. long wash out pipe with plug & socket, including making connection etc., complete of approved design: 500 Ltr.	Each	10.00	3240.00	32400.00
43.0	Providing and fixing double scaffolding system on the exterior side, upto five story made with 4" wodden member 1.5 m c/c horizontal and vertical direction joining with rassi, clamps, challies. The scaffolding system shall be stiffened with bracing, runner, connection of building if necessary with all essential safty features for the workmen etc complete as per direction of EI.The lavation area of the scaffolding shall be mearured for payment. The paeyment will be made once irrespective of duration of scaffolding. Note : This item to be used for maintence work judically	SQM	1000.00	127.00	127000.00
Total Part- B					760771.00

S.N.	PARTICULARS	Unit	QNTY	RATE	AMOUNT
Part C-Based on A&M BSR- 2011					
1.0	Lime Surkhi Plaster 1:2 (1 Lime : 2 Surkhi) including preparation of mortar by traditional practice (by grinding) in 3 course for base coarse and subsequent course & Loi, tamping, beating, curring till the shrinkage cracks are disappear. The work is to be done with all lead as the work is of restoration nature as per Jaipur practice including adding gur, methi & gugal on old walls including removal of all old loose and decade plaster, each coat to be done after 3 days of previous coat.				
1.1	45 mm thick in four coats	sqm	500.00	208.00	104000.00
1.2	75 mm thick in seven coats	sqm	50.00	378.00	18900.00
2.0	Add extra for decorative/ornamental Lime surkhi 1:2 plaster work with fine finish making kangoora, flowers, geometrical designs upto (khat) including preparation of Lime surkhi mortar 1:2 as per traditional practice adding gur, methi, gugal etc. Above 25mm and upto 40mm thick	sqm	50.00	412.00	20600.00
3.0	Add extra for Lime plaster work done over Spherical or groin ceiling/ladao ceiling of doms.	sqm	50.00	166.40	8320.00
4.0	Add extra Lime plaster work done over flat ceiling.	sqm	50.00	41.60	2080.00
5.0	Flush pointing over joints of dressed stone cladding, chajjas, jali etc. with neat cement, sand & colour including racking the joints as per Jodhpur practice including all leads and lifts with grinded mortar of lime putty and stone powder mixed in 1:1 ratio and gur, methi, gugal etc. are to be mixed as per old traditional practice.	sqm	100.00	147.00	14700.00
6.0	Making Gardana under ceiling/ chajja with katla stone and grinded Lime surkhi mortar 1:2 including moulding work and fine finishing with grinded Lime surkhi mortar 1:2 as per existing matching/ traditional practice completev in all respect;. Size 20cm X 20cm.	Rmtr	15.00	475.00	7125.00
7.0	Making Bend -patta, Cornice, Gola & String course with katla stone and Lime surkhi mortar 1:2 (projected) and finishing with grinded Lime surkhi mortar 1:2 including moulding/ design work as per existing matching at site complete in all respect. Size 15cm X 10cm.	Rmtr	15.00	190.00	2850.00
8.0	Khamira Colour Washing as per old traditional practice to prepare the Khamira the lime should be slaked at least for 7-10 days and regularly it should be stirred by adding cured, Gugal, for non-synthetic colour adding gum (babool gum) as per specification. Then applying prepared solution on walls three to four thin coats as desired finishing.	sqm	1000.00	79.00	79000.00

9.0	Providing and fixing fine dressed "sand stone flooring " with white sand stone (Bansh paharpur/dholpur stone) (panji marked surface) machine cut of approved shade set in pattern over 30mm thick base of lime surkhi mortar 1:2 including jointing finished flush with lime putty and stone powder with an admixture of pigment as per direction of Engineer incharge. (75mm thick)	sqm	81.00	1254.00	101574.00
10.0	Providing & fixing fine dressed machine cut sand stone Stone steps (Treads & risers) with round nising as per existing matching fixing in lime surkhi mortar 1:2 including pointing in lime cream and stone dust 1:1 with an admixture (50mm to 60mm thick)	sqm	19.00	1000.00	19000.00
11.0	Providing and Fixing fine dressed "kerb stone (Dand stone) along with path way /gardening,tapper/round with top edges in lime surkhi mortar 1:2 including pointing with lime cream and stone dust with an admixture of pigment complete in all respect as per direction of Engineer incharge. (b) Size 100 x350mm fine dressed.	Rmtr	180.00	584.00	105120.00
12.0	Providing and fixing fine dressed sand stone "Dasa/coping" as per existing matching , fixing in grinded lime surkhi mortar 1:2 including pointing in cream and stone powder 1:1 with an admixture of pigment to match the shade of stone complete in all respect. (d) above 100mm to 150mm thick with pan patti design.	Sqm	40.00	2947.00	117880.00
13.0	Scraping & Removing of white wash/ distemper/oil paint /algli etc. from plain plaster & surfaces gently with care to keep intact the old designs.	Sqm	500.00	15.00	7500.00
14.0	Providing and laying lime Dhar on roofing as per Rajasthan, Jaipur traditional practice with lime, Surkhi, old lime powder, brick aggregate 12 to 20mm (1:2:2:2) and using Methi, Gur, Hemp, Belgiri etc. including beating and temping 100 to 150mm thick as per specifications. Including dismantling of old detoriated roofing	Sqm	48.00	531.00	25488.00
15.0	Providing and fixing of fine dressed stone "Steps" (solid) of temple with matching stone/ approved quarry fixing of steps as per temple architecture by machanical/ mannual system carefully in proper order and sequence including all lead & lift as per direction of Engineer incharge.	PCUM	2.00	24964.00	49928.00

16.0	Providing and fixing double leaf door wooden shutters made of 1st grade wood as per traditional design (Deshi pattern) planks thickness 40mm and width of Binies, Andheri 50mm and 35mm, including Adwa etc. with fittings (nails, sankal, kunda, cheri, handle and patti etc.) as per existing matching/ as per approved design with moulding/ carving complete in all respect : M.P teak wood grade 1st	Sqm	12.00	6500.00	78000.00
17.0	Providing and fixing double leaf Window wooden shutters made of 1st grade wood as per traditional design (Deshi pattern) planks thickness 25mm and width of Binies, Andheri 35mm and 25mm, including Adwa etc. with fittings (nails, sankal, kunda, cheri, handle and patti etc.) as per existing matching/ as per approved design with moulding/ carving complete in all respect : M.P teak wood grade 1st	sqm	15.00	5800.00	87000.00
18.0	Providing and fixing fine dressed 35mm to 40mm thick " flooring " with white/light pink sand stone (machine grinded surface) machine cut of approved shade set in pattern over 30mm thick base of lime surkhi mortar 1:2 including jointing finished flush with lime putty and stone powder with an admixture of pigment complete in all respect.	sqm	119.00	850.00	101150.00
19.0	Chemical treatment of sand stone to clean from yellowness, blackness, algal growth, dust, dirt oily accretions, lime & gypsum deposits, filling of cracks/ joining of gaps/ pointing, strengthening of weak stone, removal of salt effect and application of preservative coating to prevent algal growth and make the stone water proof.	sqm	1500.00	515.00	772500.00
20.0	Providing and applying breathable, non-reactive, transparent, antifungal, UV resistant, alkaline stable, impregnable silane-siloxane or equivalent based water repellent coating on exposed absorbing substrate like lime surface in two or more coats to give uniform finish surface in all heights, horizontal, inclined, vertical and on ceiling complete in all respect and making it complete water-proof as per direction of the Engineer-in charge.	sqm	2000.00	119.00	238000.00
21.0	Providing and applying ceilent adhesive to existing cracks by suitable silicon or equivalent ceilent complete in all respect and making it complete water-proof as per direction of the Engineer-in charge.	sqm	2000.00	159.00	318000.00
Total Part-C					2278715.00

S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part D-Rain Water Harvesting					
1.0	Supply & fixing Pre-cast RCC Rinnings at the mouth of recharge shaft of M20 mix with 40 mm thickness. Diameter 900 mm	Rmtr	20.00	696.00	13920.00
2.0	Supply and lowering vent air pipe 63mm dia rigid PVC pipe(IS 4985) mark class II (4kg per cm ²) with required all necessary fittings including perforation of 3 to 5 mm size all around the pipe at a distance of 180 to 220mm in zig zag fashion and making air vent at top complete as per direction of Engineer incharge.	Rmtr	220.00	140.00	30800.00
3.0	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means 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 taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils	Cum	80.00	155.00	12400.00
4.0	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1 : 4 : 8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	10.00	2858.75	28587.50
5.0	Reinforced cement concrete work in beams, suspended floors, roofs, griders having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases up to floor three level including curing, compaction, finishing with rendering in cement sand mortar 1 : 3 (1 cement : 3 coarse sand) and making good and joints excluding the cost of centering, shuttering and reinforcement : M 20 Grade Nominal Mix (With Graded Stone 20 mm nominal size)	Cum	14.00	4490.00	62860.00
6.0	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level. Thermo-mechanically Treated bars	Kg	1800.00	74.00	133200.00

7.0	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for : Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	Sqm	130.00	295.00	38350.00
8.0	Brick masonry with F.P.S. bricks of class designation 75 in foundation and plinth with bricks. Cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum	40.00	3617.00	144680.00
9.0	Plaster on new surface on wall in cement sand mortar 1 : 4 including raking of joints etc. complete fine finish :				
9.1	20 mm thick .	Sqm	120.00	148.00	17760.00
9.2	12mm thick .	Sqm	120.00	118.00	14160.00
10.0	P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg./Cm2.) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant. 160 mm dia	Rmtr	150.00	200.00	30000.00
11.0	P & F M.S. Foot Rests in with C.M.,1:3, standard design in 20mm square M.S. bar 50 mm embedded in wall & 10 cms. projected out complete.	each	10.00	150.00	1500.00
Total Part-D					528217.50

S.N.	PARTICULARS	Unit	QNTY	RATE	AMOUNT
Part E-Non BSR Items (Item rates)					
1.0	Providing and Fixing "Cobbles" 100 mm thick on path way / open court yards over 40mm thick cement sand mortar 1:3, including keeping 10mm joint between cobbles filled with cement sand mortar 1:3 complete in all respects. The mortar should remain recessed by 5mm from the top surface of the cobble stone.	sqm	1000.00		
2.0	Providing and fixing fine dressed sand "Stone Benches" for visitors, approved sand stone as per approved drawing & design with moulding work 100mm thick (Top & ligs) fixing with proper adhesive, legs fix in concrete work block 1:2:4 (45cm x 45cm x 30cm) complete in all respect.	each	42.00		
3.0	Providing/Carving/Fixing of placing of Dustbin in Bansi Paharpur stone with Carved Arch pattern and wire mash litter bin inside , over all size of dust bin will be 900x900x1200 as per detail drawing and as directed by engineer incharge complete in all respect.	each	42.00		
4.0	Construction of tubewell up to 100m depth and above to accomodate housing and assembly pipe in all types of alluvium strata by rotay drilling method with "code of practice for construction and testing of tubewells (IS:2800 (Part-II) : 1991 and IS:2800 (Part-II) :1979 both amended up to date) with supply of bail plug if necessary. The work will not include cost of housing pipe and strainer pipe assembly cost, gravel and development work. Work would be deemed completed only after obtaining sound free water during pumping. 250 mm nominal bore	Rmtr	200.00		
5.0	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	Cum	4.00		
6.0	Supplying, filling, spreading & leveling stone boulders of size range 10 mm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	Cum	4.00		
7.0	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer -in-charge.	Cum	8.00		

8.0	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	Cum	120.00		
9.0	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed / plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-charge.	Rmtr	200.00		
10.0	Providing & fixing SFRC cover and frame (Heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to IS: 12592, fixed in cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Each	16.00		
				Total Part-E	

DEPARTMENT OF ARCHAEOLOGY & MUSEUMS, RAJASTHAN, JAIPUR

Schedule-G

Development works for Bhande ke Balaji, Jaipur

S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part A-Based on PWD BSR- 2014					
1.0	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sum on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed: All kinds of soil	cum	574.00	152.00	87248.00
2.0	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils	cum	261.00	155.00	40455.00
3.0	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyrifos/Lindane emulsifiable concentrate of 20%	litre	206.00	211.00	43466.00
4.0	Diluting and injection Chloropyrifos Emulsifiable concentrate 20% with 1% concentration for PRE-CONSTRUCTIONAL Anti termite treatment as per IS 6313 part III as amended from time to time and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth filling, junction of wall and floor along the external perimeter of building expansion joints, over the top surface of consolidated earth of which aproch is to be laid surrounding of pipes and conduits etc. complete as per specification (Plinth floor area only shall be measured for payment and excluding the cost of chemical emulsion)	sqm	206.00	41.00	8446.00
5.0	Filling available excavated earth (excluding rock) in trenches, plinth side of foundation etc. in layers not exceeding 20 cm. in depth, consolidating each deposited layer by ramming and watering including lead up to 50 meter and with all lift.	cum	187.00	56.00	10472.00
6.0	Random rubble dry stone Kharanja under floor.	cum	35.00	807.00	28245.00
7.0	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. M10 grade Nominal Mix. 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	cum	400.00	3331.25	1332500.00

8.0	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement for Beams, suspended floors, roofs, grids having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases etc. M20 grade Nominal Mix / Design Mix	cum	45.00	4490.00	202050.00
9.0	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers (if required) excluding the cost of centering, shuttering and reinforcement for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, abutments, posts and struts etc. M20 grade Nominal Mix / Design Mix	cum	13.34	5102.00	68050.48
10.0	Centering and Shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for foundation , footings, strap beam, raft , bases of columns etc. Columns, pillars, posts and struts etc.	sqm	434.00	325.00	141050.00
11.0	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for : Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	sqm	270.00	295.00	79650.00
11.1	Columns, pillars, posts and struts etc.	sqm	270.00	325.00	87750.00
12.0	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level. Thermo-mechanically Treated bars (Conforming of relevent IS code)	pkg	9159.00	74.00	677766.00
13.0	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : Cement mortar 1 : 6 (1 cement : 6 coarse sand)	cum	156.00	4096.00	638976.00
14.0	Half brick masonry in foundation & plinth using bricks of designation 75 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	111.00	452.00	50172.00
15.0	Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in: Cement Mortar 1:6 (1-Cement : 6-Sand).	cum	196.00	2458.00	481768.00
16.0	Random Rubble stone masonry with hard stone in superstructure above plinth level and upto five level above 30cm. thick walls in : Cement Mortar 1:6 (1-Cement : 6-Sand).	cum	50.00	3013.00	150650.00

17.0	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish : 20mm thick.	psqm	202.10	128.00	25868.80
18.0	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish : 25mm thick.	sqm	828.00	168.00	139104.00
19.0	Providing and applying white cement based putty over plastered surface to prepare the surface even and smooth complete	sqm	878.00	90.00	79020.00
20.0	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade including all scaffolding : Two or more coats on new work including preparation of base with primer, putty, lippy etc complete in all respect.	sqm	878.00	63.00	55314.00
21.0	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	sqm	500.00	55.00	27500.00
22.0	Providing and fixing stone slabs table rubbed, 15-18 mm thick in Walls, Steps, Pillars, Counters, Jambs, Shelves, Sills etc. laid on 12mm (Av.) thick base of CM 1:3 (1 cement : 3 coarse sand) jointing with white cement mortar 1:2 (1white cement : 2 marble dust) with pigment to match the shade of the marble slab including grinding, rubbing and polishing complete. Rajnagar 1st quality/Ageria with light spots.Above 3601 Cm2 Slabs	sqm	143.00	1186.00	169598.00
23.0	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying : a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proffing cement compound @ 0.253 kg/sqm. b) laying second layer of Fiber glass cloth when the first layer is still green . Overlaps of joints of fiber cloth should not be less than 10 cm . c) Third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proffing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around d) fourth and final layer of brick tiling 'with cement mortar or any other approved protective coarse. (which will be paid for separately) For the purpose of measurement the entire treated surface will be measured	sqm	152.00	348.00	52896.00

24.0	P & F 1st qualityVitrified Porcelain Polished tiles on floor, skirting and steps etc.in different sizes (thickness to be specified by manufactuer) with water absortion less than 0.08% and conforming to IS 15622 of approved make in all colour and shade, laid with 20 mm thick CM 1 : 4 including grouting the joints with white cement and matching pigment etc complete. size 600x600	sqm	136.00	1166.00	158576.00
25.0	Providing and fixing Granite stone slab mirror polished and machine edge cut in walls, Pillars, Steps, Shelves, sills, Counters, Floors etc. laid on 12mm (Av.) thick base of cement mortar 1 : 3 (1 cement : 3 coarse sand) jointing with white cement mortar 1 : 2 (1 white cement : 2 marble dust) with pigment to match the shade of the granite slab complete including rubbing and polishing of : Jhunjhunu / Jalore (Red / Choclate Colour)Above 3601 Cm2 Slabs	sqm	31.00	3286.00	101866.00
26.0	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	5.00	233.00	1165.00
27.0	Providing & fixing door, window, chowkhats and other frames, including antitermite treatment, M.S. flat, hold fasts of size 250 x 40 x 3mm fixed with M.S. bolt 5mm dia 50mm long duly embedded in cement concrete M-15 grade :Sal wood Grade - I.	cum	1.00	42291.00	42291.00
28.0	Providing and fixing external grade board solid core single leaf flush door shutters ISI 2202-67 marked using Phenol formaldehydesin in glue both sides with approved steel fittings complete as per annexure 'A' :Decorative teak veneer both side 30mm thick	sqm	20.00	2301.00	46020.00
29.0	Providing and fixing fully panelled /partly panelled double leaf shutters frame for windows and ventilators as per approved design and drawings with approved steel fittings as per Annexure 'A' and width of styles, bottom and top rails 75mm including intermediate rails 50mm wide, beading of 25mm x 15mm size on both faces :35 mm thick Ivory coast wood grade I	sqm	9.00	2577.00	23193.00
30.0	Providing and fixing wood panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled and glazed shutter 25 mm to 40 mm thickIvory coast wood grade I	sqm	9.00	2345.00	21105.00
31.0	Providing and fixing wood panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled and glazed shutter 25 mm to 40 mm thick IS 710- 1976 marked 12 mm thick Teak ply BWR one side	sqm	9.00	1358.00	12222.00

32.0	Providing and fixing 75 mm wide Decorative Border in different shades and in all colours in glazed tiles laid over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white mixed with pigment of matching shade complete.	Rmtr	50.00	331.00	16550.00
33.0	Providing and fixing steel gate, grating , and grills made of angles, tees, square bars, flats,or black pipe with holdfast and fittings complete as per design and drawing including cutting welding and fabrication with priming coat of red oxide	pkgs	300.00	92.00	27600.00
34.0	Painting exterior surface of Wall with 100% acrylic exterior paint of approved brand and manufacture to give an even shade with two or more coats including preparation of base with sand papering, primer, putty, etc complete in all respect. New Work	sqm	500.00	107.00	53500.00
35.0	Providing and applying Melamine polish on teak wood work of approved brand and manufacture to give an even shade with two or more coats by compressor including sand papering, wood filler coat etc complete in all respect:	sqm	106.00	768.00	81408.00
36.0	Providing and laying M30 grade controlled cement concrete pavements including mixing and vibrations concrete with necessary needle vibrators and surface with screed board vibrating complete in all respect with 20/25 mm stone aggregate (crusher broken) including anti-skid textured finish to required camber/ super lation and grade including curing etc. as per specification with cement concrete M-30 grade including cost of Steel frame work for sides of C.C. pavement consisting of M. S. channels flats and angles with required steel pegs (some of them may left embedded in concrete/ including providing frame work	cum	152.00	4775.00	725800.00
37.0	Extra for vacuum processed concrete including cost of equipments labour etc.	cum	152.00	88.00	13376.00
38.0	Cutting of construction joint/ longitudinal joint 4 to 6 mm. wide using mechanical concrete cutter including cost of diamond bit cutting wheel and filling of bitumen sealing compound in groove including cost of sealing compound. 25 mm depth	Rmtr	350.00	40.00	14000.00
39.0	Providing and fixing pressed steel door frames confirming to IS 4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface including filling with CC 1:2:4(M15 grade) complete as directed by Engineer-in-charge : Profile C	Rmtr	53.00	410.00	21730.00
Total Part-A					6038417.28

S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part B-Based on PWD BSR- 2014 (Sanitary work)					
1.0	P & F Indian type white glazed vitreous chine 1st quality W.C. Orissa pan (I.S. : 2556 Mark) with 100mm vitreous chia P or S trap including cutting and making good the wall and floor. Size 530 X 410mm.	each	2.00	2067.00	4134.00
2.0	P & F WVC Foot-rest (IS : 2556 Mark) including cutting and making good the floor size. 250 X 125 X 25mm.	each	2.00	169.00	338.00
3.0	P & F European type white glazed vitreous china 1st quality W.C. (I.S. : 2556 Mark) including cutting and making good the wall and floor. Wall mounting (extended)	each	3.00	3066.00	9198.00
4.0	P & F water closet Seat Covers with brass hinges complete : Solid PVC (ISI Marked) grade-I White for EWC.	each	3.00	353.00	1059.00
5.0	P & F C.P. lugs for toilet seat cover.	each	6.00	72.00	432.00
6.0	P & F Low level flushing cistern of 10 litres capacity (IS :2556 mark) of approved make with complete fittings, C.I. brackets duly painted, brass ball cock with ball, (IS : 1703 mark) complete including cutting and making good the wall : WVC with C.P. brass bend.	each	5.00	1910.00	9550.00
7.0	P & F Automatic Flushing Cistern of First quality (IS : 774 Mark) of approved make fitting, syphon with copper tube, C.I. brackets complete including cutting and making good the wall: WVC (as per IS : 2556) 10 litres.	each	3.00	988.00	2964.00
8.0	P & F WVC wash basin (1st quality, I.S. : 2556 Mark) of approved make with C.I. brackets duly painted, 1 No. 15 mm C.P. Pillar cock (I.S. : 8934 mark) & 32mm C.P. brass waste coupling of approved make, 25mm G.I. waste pipe complete including cutting & making good the wall : 460 dia for counter top	each	6.00	2240.00	13440.00
9.0	P & F Bottle Trap of approved make : C.P. Brass 40mm.	each	12.00	460.00	5520.00
10.0	P & F Waste Coupling with fittings of approved quality make : C.P. Brass 40mm. Dia.	each	12.00	165.00	1980.00
11.0	P & F 1st quality WVC Urinal (IS:2556 mark) with 25mm dia G.I. waste pipe, dome waste couplings, concealed iron brackets or screws etc complete. Flat Back (large) or half stall size 610x400x80mm.	each	3.00	3372.00	10116.00
12.0	P&F Marble Urinal Partition slab both sides polished of approved design cut from marble size 900x600mm. Makrana II quality marble having light spots.	each	2.00	839.00	1678.00
13.0	P & F Looking Mirrors with P.V.C. frame of approved make as per direction of Engineer-in-charge. Size 500x400mm	each	6.00	266.00	1596.00
14.0	P & F Waste Pipe with all fittings. P.V.C. with C.P. nut 32mm	each	6.00	132.00	792.00
15.0	P & F Toilet Shelf of approved quality/make : Acrylic shelf on C.P. brass casted brackets & guard rail of Commander equivalent make size 550 X 125 mm.	each	2.00	755.00	1510.00
16.0	P & F Towel Rail or Ring of approved quality/make : C.P. brass Towel rail elbow type with concealed scrwes size 450mm (Heavy duty.)	each	4.00	340.00	1360.00

17.0	P & F Grating of approved quality/make : Stainless steel sheet size 125mm dia. Heavy Quality of approved make.	each	20.00	70.00	1400.00
18.0	P & F Liquid Soap Container with brackets complete of approved make : C.P. brass	each	4.00	160.00	640.00
19.0	P & F Toilet Paper Holder with rod of approved quality/make. C.P. brass	each	3.00	150.00	450.00
20.0	P & F Soap dish or Tray of approved quality/make. C.P. brass heavy & Superior quality.	each	4.00	105.00	420.00
21.0	P & F Jet spray for water closet with C.P. Copper Tube flange of approved make.	each	3.00	266.00	798.00
22.0	P & F G.I. pipes (internal work) with G.I. fittings (IS : 1239 Mark) & MS clamps, including cutting and making good the walls and floors : Concealed pipe in wall including with anticorrosive bitumen paint. 15 mm dia nominal bore 'B' Class	Rmtr	200.00	176.00	35200.00
23.0	P & F G.I. pipes (External work) with G.I. fittings (IS : 1239 mark) including trenching & refilling earth etc.				
23.1	15mm dia nominal bore 'B' Class	Rmtr	150.00	137.00	20550.00
23.2	25mm (-do-) 'B' Class	Rmtr	200.00	217.00	43400.00
23.3	32mm (-do-) 'B' Class		60.00	270.00	16200.00
24.0	Making connection of G.I. distribution branch with G.I. main including all fittings.				
24.1	Upto 25mm dia	Each	2.00	230.00	460.00
24.2	Beyond 25 mm & upto 100 mm dia.	Each	2.00	338.00	676.00
25.0	Fixing water meter (IS : 779 mark) and stop cock in G.I. pipe line including making chamber of approved size excluding cost of water meter & stop cock.	Each	2.00	267.00	534.00
26.0	P & F water meter (IS : 779 mark) of approved make. 15mm dia.	Each	2.00	863.00	1726.00
27.0	P & F Pillar cocks (IS : 8934 mark) of superior quality and approved make : C.P. Pillar cock 15 mm dia.	each	8.00	708.00	5664.00
28.0	P & F inlet connection (angle, valves) superior quality of approved make C.P. inlet connection with 37mm long pipe & nuts.	each	40.00	586.00	23440.00
29.0	P&F bib cocks (IS : 8931 mark) superior quality of approved make C.P. brass bib cock 15mm dia.	each	10.00	536.00	5360.00
30.0	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make:(-do-) Long body, 15mm nominal bore weight not less than 690 gm	each	20.00	800.00	16000.00
31.0	P&F full-way valve (IS : 778 mark) or wheel valve of approved make, Gun metal 15mm.	each	10.00	277.00	2770.00
32.0	P&F full-way valve (IS : 778 mark) or wheel valve of approved make, Gun metal 25mm.	each	10.00	481.00	4810.00
33.0	P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg. /Cm2.) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant.				
33.1	(a) 110 mm dia.	Rmtr	50.00	188.00	9400.00
33.2	(b) 75 mm dia.	Rmtr	50.00	119.00	5950.00

34.0	P&F rigid PVC pipe fittings (IS: 4985 mark) of approved quality /make including joining the pipe with solvent cement rubber ring and lubricant:				
34.1	(a) 110 mm dia bend	Each	8.00	112.00	896.00
34.2	(b) door tee 110mm dia	Each	8.00	149.00	1192.00
34.3	(c) socket 110mm dia 87.50	Each	8.00	75.00	600.00
34.4	(d) socket 75mm dia	Each	8.00	61.00	488.00
34.5	(e) Bend 110mm dia 87.50	Each	10.00	112.00	1120.00
34.6	(f) Cowel 110mm dia	Each	10.00	39.00	390.00
34.7	(g) Cowel 75mm dia	Each	10.00	30.00	300.00
34.8	(h) 110mm dia door tee	Each	8.00	149.00	1192.00
34.9	(j) 75mm dia with door tee	Each	8.00	124.00	992.00
35.0	P&F square mouth gully trap 'A' grade (IS: marked) of approved make complete with C.I. grating frame & Cover masonry chamber in CM 1:6, 100mm thick C.C. M-15 grade coping, 12mm thick as per approved design & type Trap size 150 X 100mm 7.2 kg. CI cover with frame internal chamber size 300mm X 300mm.	Each	10.00	996.00	9960.00
36.0	Construction of Septic Tank in all types of soil with 40 cm. thick masonry in CM 1 : 6, 15 Cm. thick C.C. bed of 1 : 5 : 10, M-15 grade C.C. flooring & over stone slab covering, 80mm thick slab, jointing of slab in CM 1 : 3 Ralthal, Kharanja, 50 mm thick stone partition walls, 20mm thick plaster in CM 1 : 6 finished with neat floating cement, 4 Nos. C.I. foot rests of approved design, two No. 450mm dia 25 Kg. each C.I. cover with frame, earth work etc. complete as per approved drawing including disposal of surplus earth within a lead of 50 mtr. Size 400 X 140 X 150 cm. (for 50 users)	each	2.00	45067.00	90134.00
37.0	Construction of Soakage well in all types of soil 300 mm thick dry stone masonry, top and bottom 300 mm course in CM 1:6, 80mm thick stone slab, jointing of slab in CM 1 : 3, Ralthal, Kharanja, 40 mm thick M-15 grade C.C. flooring, earthwork including disposal of earth within a lead of 50 mtr : Size 300 Cm. dia outside & 300 cm. depth.	each	2.00	18997.00	37994.00
38.0	Construction of Manhole in all types of soil inner size 90 X 60 cm. with 300mm thick masonry in CM 1 : 6, 10 cm. thick cement concrete 1 : 5 : 10 in foundation, 20mm thick inside plaster in CM 1 : 6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring making channels, 80mm thick stone slab covering with 40mm thick M-15 grade C.C. flooring, 25 Kg. CI cover with frame of 450mm dia, earthwork etc. complete as per design including disposal of surplus earth within 50 mtr. lead. Depth upto 0.5 M	each	6.00	4320.00	25920.00

39.0	Construction of Manhole in all types of soil inner size 90 X 60 cm. with 300mm thick masonry in CM 1 : 6, 10 cm. thick cement concrete 1 : 5 : 10 in foundation, 20mm thick inside plaster in CM 1 : 6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring making channels, 80mm thick stone slab covering with 40mm thick M-15 grade C.C. flooring, 25 Kg. CI cover with frame of 450mm dia, earthwork etc. complete as per design including disposal of surplus earth within 50 mtr. lead. Depth up to 1.5 M	each	2.00	15755.00	31510.00
40.0	Providing Laying & jointing glazed S.W. pipes grade `A` (IS;651 marked) of approved make with spun yarn & stiff mixture of cement mortar 1:1, excavation & refilling of earth in all types of soil upto 1.2m depth, S.W. fittings, including testing of joints etc, complete.150mm dia	Rmtr	150.00	369.00	55350.00
41.0	Providing & Laying C.C. 1:5:10 (Stone aggregate 40mm nominal size) all around S.W. pipe including 15 Cm. thick bed concrete (Width W= Diameter of pipe in Cm+30 Cm.)(Excluding cost of pipe)150mm dia	Rmtr	150.00	485.00	72750.00
42.0	P & F PVC Storage Tank ISI Marked (IS : 12701) indicating the BIS license No), of approved make with cover, 25mm dia 1M long G.I. over-flow pipe & 25 Cm. long wash out pipe with plug & socket, including making connection etc., complete of approved design: 500 (-do-)	Each	10.00	3240.00	32400.00
43.0	Extra for making Ornamental design like Kangooras Gola etc. as per Jaipur practice in cement plaster	SQM	20.00	84.00	1680.00
44.0	Supply & Planting of shady plants (Neem, Peepal, Goolar, Jamun, Imli or other specified) along road side including the following activities :- 1. Preparation of soil including cleaning & removing of unwanted shrubs removal of stones & garbage. 2. Supply of plant at site of two years of age & height more than 1.50 Mtr. 3. Supply of dry manure (Farm yard manure organic) 4. Supply of Insecticides. 5. Digging of pits size 60x60x60 cms. Including removal of stones, Manuring application of insecticides & watering at least 15 liter per plant after planting. 6. Half brick Circular tree guard in second class bricks, internal dia 1.25 meter and height 1.20 meter above ground and 0.20 meter below ground, bottom two courses laid dry and top three courses in cement mortar 1:6 (1 Cement : 6 Sand) and the intermediate courses being in dry honey comb masonry, as per design complete. 8. Maintenance of plants by the contractor including pits, preparation of Thavala Hoeing weeding etc. & application of insecticides etc. & security. If the plant die during maintenance contractor has to replace same height plant at his own cost.	each	15.00	1500.00	22500.00
Total Part-B					648883.00

S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part-C-Based on A&M BSR- 2011					
1.0	Flush pointing over joints of dressed stone cladding, chajjas, jali etc. with neat cement, sand & colour including racking the joints as per Jodhpur practice including all leads and lifts with grinded mortar of lime putty and stone powder mixed in 1:1 ratio and gur, methi, gugal etc. are to be mixed as per old traditional practice.	sqm	300.00	147.00	44100.00
2.0	Providing and Fixing fine dressed "kerb stone (Dand stone) along with path way /gardening,tapper/round with top edges in lime surkhi mortar 1:2 including pointing with lime cream and stone dust with an admixture of pigment complete in all respect as per direction of Engineer incharge.				
2.1	(A) Size 200 x450mm fine dressed.	Rmtr	328.00	1335.00	437880.00
2.2	(B) Size 100 x300mm fine dressed.	Rmtr	100.00	584.00	58400.00
3.0	Providing and fixing fine dressed sand stone "Dasa/coping" as per existing matching , fixing in grinded lime surkhi mortar 1:2 including pointing in cream and stone powder 1:1 with an admixture of pigment to match the shade of stone complete in all respect. (a) 75mm to 100mm thick plain with fine dressing.	Sqm	24.30	1612.00	39171.60
4.0	Providing and fixing double leaf door wooden shutters made of 1st grade wood as per traditional design (Deshi pattern) planks thickness 40mm and width of Binies, Andheri 50mm and 35mm, including Adwa etc. with fittings (nails, sankal, kunda, cheri, handle and patti etc.) as per existing matching/ as per approved design with moulding/ carving complete in all respect : M.P teak wood grade 1st	Sqm	5.04	6500.00	32760.00
5.0	Providing and fixing double leaf Window wooden shutters made of 1st grade wood as per traditional design (Deshi pattern) planks thickness 25mm and width of Binies, Andheri 35mm and 25mm, including Adwa etc. with fittings (nails, sankal, kunda, cheri, handle and patti etc.) as per existing matching/ as per approved design with moulding/ carving complete in all respect : M.P teak wood grade 1st	sqm	18.75	5800.00	108750.00
6.0	Providing and fixing "Corrugated" surface sand stone/approved stone flooring for ramp-way with fine dressed corrugation work as per approved design and size over a base of of grinded Lime surkhi mortar 1:2 and jointed with masaldar lime putty and stone powder 1:1 with an adixture of pigment, complete in all respect, as per direction of Engineer Incharge. (b) 100 mm. stone slab	sqm	11.00	1860.00	20460.00
7.0	Providing and Fixing fine dressed sand stone /approved stone "Chajja" for palaces,chattries,forts and jharokas with fine dressed surface both sides and front edges should be round shape/moulding, fixing in grinded lime surkhi mortar 1:2 joint flush with proper adhesive with pigment to match the shade of stone (thickness of chajja on front edge 50mm and 75mm on fixing end) exposed surface is to be measured only.	sqm	33.00	4099.00	135267.00

8.0	Providing and fixing fine dressed sand stone/approved stone "JALI"as per existing matching geometrical design including moulding work with fine finishing, fixing with thambli by proper adhesive and white cement with pigment including making groove etc. complete in all respect. 35MM thick	Psqm	20.00	5680.00	113600.00
9.0	Providing & fixing ashlar "Rain water Spouts" (3) lines dressed as per traditional practice / existing design / approved design size 60 x 30 x 25 cm, fixing the rain water spout with lime surkhi mortar 1:2, with proper slope complete in all respect.	each	4.00	750.00	3000.00
10.0	Araish plaster (as per Jaipur practice) 1:2 (1 lime : 2 Zikki) on lime plaster or plane back ground including preparation of lime for 6 months by slaking of lime with curd and changing the water every week. The Kara plaster of not more than 6mm thick is to be left the maximum of 3 months to appear the shrinkage & temperature cracks. Over the Kara plaster 2mm layer of grinded lime putty is to be done and is to be rubbed Gently by Akik stone. Then adding Khoppra & Ghee and inserting the design of colour boarder all round.	sqm	20.00	1418.00	28360.00
				Total Part-C	1021748.60

S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part D-Rain Water Harvesting					
1.0	Supply & fixing Pre-cast RCC Rinnings at the mouth of recharge shaft of M20 mix with 40 mm thickness. Diameter 900 mm	Rm	20.00	696.00	13920.00
2.0	Supply and lowering vent air pipe 63mm dia rigid PVC pipe(IS 4985) mark class II (4kg per cm ²) with required all necessary fittings including perforation of 3 to 5 mm size all around the pipe at a distance of 180 to 220mm in zig zag fashion and making air vent at top complete as per direction of Engineer incharge.	Rm	220.00	140.00	30800.00
3.0	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means 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 taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils	Cum	80.00	155.00	12400.00
4.0	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1 : 4 : 8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	10.00	2858.75	28587.50
5.0	Reinforced cement concrete work in beams, suspended floors, roofs, grids having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases up to floor three level including curing, compaction, finishing with rendering in cement sand mortar 1 : 3 (1 cement : 3 coarse sand) and making good and joints excluding the cost of centering, shuttering and reinforcement. M 20 Grade Nominal Mix (With Graded Stone 20 mm nominal size)	Cum	14.00	4490.00	62860.00
6.0	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level. Thermo-mechanically Treated bars	Kg	1800.00	74.00	133200.00
7.0	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for : Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	Sqm	130.00	295.00	38350.00
8.0	Brick masonry with F.P.S. bricks of class designation 75 in foundation and plinth with bricks. Cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum	40.00	3617.00	144680.00
9.0	Plaster on new surface on wall in cement sand mortar 1 : 4 including raking of joints etc. complete fine finish :				
9.1	20 mm thick .	Sqm	120.00	148.00	17760.00
9.2	12mm thick .	Sqm	120.00	118.00	14160.00
10.0	P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg. /Cm ² .) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant. 160 mm dia	RM	200.00	270.00	54000.00
11.0	P & F M.S. Foot Rests in with C.M.,1:3, standard design in 20mm square M.S. bar 50 mm embedded in wall & 10 cms. projected out complete.	Each	10.00	194.00	1940.00
Total Part-D					552657.50

S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part-E-Non BSR Items (Item rates)					
1.0	Providing/ Carving and Fixing of Information Signage's of expose size 1035 x 1375 made with 50 mm thick Red Karoli stone, fixed on masonry Base & one side pillar as per drawing including cladding with 25 mm thick dark grey Tiri stone tile & 50 mm thick machine cut red karoli stone top of base including all civil work as per drawing & design and as directed by engineer in charge.	Each	2.00		
2.0	Providing/ Carving and Fixing of Direction Signage's made with 50 mm thick stone over all expose size 750 x 250 mm fixed in post of size (above ground) 250 mm x 250 x 2250 mm with all required civil work including construction of pedestal of size 300 x 450 mm masonry with cladding of 25 mm thick dark grey Tiri stone tiles & top with edge molding red karoli stone 50 mm thick including engrave of letters & painting etc. complete in all respect as per drawing & design and as directed by Engineer in charge.	Each	10.00		
3.0	Providing and Fixing solar street light of 12 V , Battery Capacity 40 Ah, Battery Voltage 12 V, Rated Power of 20W, Light output of 2000 Lumens made of Toughened glass. 6 mm thick solar Light pole of dia 100 mm to be and lenght 2.3 m to be embedded in RR stone Masonary in 1:4, with a stone coping of 75 mm thick polished red Karauli Stone. Pole dia 75 mm of height 1.5 m, and 50 mm dia upto height of 1 m to be fabricated above the base of 100 mm dia pole as shown in the drawing. The work shall include entire cil work including 75 mm thick PCC in foundation, RRM stone masonry in Foundation in Ratio 1:4 and durable enamel paint above MS Pole and complete finishing as per the satisfaction of Engineer Incharge. Please refer drawing and Solar lamp images for details.	each	42.00		
4.0	Providing and Fixing high quality CCTV cameras as approved by the engineer Incharge. PTZ 1/3" Progressive Scan CMOS 1280x720/1920x1080 23X Optical Zoom dNR, Smart IR DWDR Upto 100 ml R distance 3D intelligent positioning function1/3" Progressive Scan CMOS Min. Illumination Colour: 0.05Lux@(F1.6,AGC ON);B/W: 0.005Lux@(F1.6,AGC ON), 0 Lux with IR Max. Image Resolution 1280 x720Range Pan:360°endless; Tilt: -15°~90°(Auto Flip). Picture attached	each	6.00		
5.0	Providing and Fixing high quality CCTV camerascertified by CE, FCC & ROHS. 1.3 Megapixel high-performance CMOS Turbo HD output, up to 720P resolution.True Day/Night with Smart IR Up to 20m IR distance for normal IP66 weatherproof.Picture attached	each	10.00		
6.0	16 Channel DVR with HDMI and VGI input, remote viewing access, enabled with PIP and DDNS, enabled with analog, HD and IP cameras.Picture attached	each	1.00		
7.0	Hard disk of 4TB for recording	each	1.00		
8.0	12 Volt 8 Amps Power Supply	each	2.00		

9.0	Wifi Router	each	1.00		
10.0	Access Point (1 for each 50 meters)	each	6.00		
11.0	Networking Charges	each	1.00		
12.0	Firewall Device (capacity of 1000 wifi connections)	each	1.00		
13.0	LAN Wire	each	1.00		
14.0	16000 mm long Hot Dip Galvanizing High Mast Two Section Suitable for Eight Lights, Top- 150 mm, Bottom – 356 mm, PCD – 540 mmx460 mmx25 mmx8 Hole, Two Section Pole Shaft Think – 3 mm, 3 mm.High Power LED Flood Light 160W M30 dia 750 mm Long L Type Foundation Bolt with Three Nut & Two Washer, Eight Nos. (One Set) Tem Plate 4 mm thik, Anchor Plate 4 mm Thik. 1HP CGL makes Motor. 2.5 mm 4 core PVC Cable 17 mtr, 6mm GI Wire Rope 17 mtr x 5 Nos., D Clamp – 16 Nos., Thin bell -8 Nos., 500 kgs Maximum Load Capacity Winch, Winch Bracket, Head Frame, Lighting Arrester, compensation Disc, Guide Ring, Ring suitable for Eight Lights, Resting Bracket including P & F of 4 nos IP 65 / IP66 protected High Power LED Flood Light system with extruded aluminium housing, toughened glass diffuser with suitable lenses on LED to acheive various beam angles, 240V, 50Hz - High Power LED lamps supplied with pre-wired cable of 1 mtr. Integrated Driver shall be high efficiency having efficiency > 85% and in compliance to IEC standards.System life of 25,000 Burning Hours with 70% of initial Lumens maintained. Light output in Cool white or Warm White Colour as per engineers choice. Fixtures shall be CE and compliance	each	2.00		
15.0	Providing and Fixing "Cobbles" (125x125x100) on path way / open court yards over 40mm thick cement sand mortar 1:3, including keeping 10mm joint between cobbles filled with cement sand mortar 1:3 complete in all respects. The mortar should remain recessed by 5mm from the top surface of the cobble stone.	sqm	411.00		
16.0	Construction of Stone Bench as per drawing with 2 Nos . masonry Pillars of size 300 x 300 mm including Excavation & P.C.C. than cladding with 25 mm thick dark grey Tiri stone tiles and a top of 75 mm thick machine cut red Karoli stone of size 1960 x 500 mm with edge molding as per design and drawing in all respect as per directed by Engineer In charge.	each	20.00		
17.0	Providing and Fixing 2 Nos Dustbin of size 410 mm dia and 600 mm height fixed with pivot system on stainless steel 75 mm thick channel which is grouted in masonry work of overall size 1475 x 300 mm (on ground) and foundation work including P.C.C. etc. with 25mm thick dark grey Tiri stone tile cladding on masonry work & 50 mm thk. Machine cut Red Karoli stone over it complete as per drawing & design and as directed by engineer in charge.	each	10.00		

18.0	Providing and Installation of Water Cooler for storage capacity 150 liters with normal cooling capacity 150 liters per hr including 3 nos. of faucets and approximately Hundred kg weight of Blue Star or equivalent complete in all respect as per Direction of Engineer in charge .	each	3.00		
19.0	Storage Lockers :- Capacity: 18 door cabinet Size: 6'x3'x1.5' Body Structure: Made body frame SS Angel and non-magnetic steel 304 grade with dully rust proof Material Specifications: Main Body - 22 Gauge and doors - 20 Gauge Locking Mechanism: Inbuilt lock with 10 Levers Powder Coating: 11 Tank Process	each	3.00		
20.0	Construction of tubewell up to 100m depth and above to accomodate housing and assembly pipe in all types of alluvium strata by rotay drilling method with "code of practice for construction and testing of tubewells (IS:2800 (Part-II) : 1991 and IS:2800 (Part-II) :1979 both amended up to date) with supply of bail plug if necessary.The work will not include cost of housing pipe and strainer pipe assembly cost, gravel and development work. Work would be deemed completed only after obtaining sound free water during pumping. 250 mm nominal bore	Rmtr	250.00		
21.0	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	Cum	4.00		
22.0	Supplying, filling, spreading & leveling stone boulders of size range 10 mm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	Cum	4.00		
23.0	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer -in-charge.	Cum	8.00		
24.0	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineerin-charge.	Cum	120.00		
25.0	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed / plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-charge.	Rmtr	300.00		
26.0	Providing & fixing SFRC cover and frame (Heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to IS: 12592, fixed in cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Each	16.00		
				Total Part-E	

DEPARTMENT OF ARCHAEOLOGY & MUSEUMS, RAJASTHAN, JAIPUR

Schedule-G

Conservation & restoration work of Kishori Mahal, Bharatpur

S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part A-Based on PWD BSR- 2014 (Civil)					
1.0	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sum on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5 m , disposed earth to be levelled and neatly dressed All kinds of soil	Cum	1000.00	152.00	152000.00
2.0	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils	Cum	500.00	155.00	77500.00
3.0	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Cum	145.00	3231.25	468531.25
4.0	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : Cement mortar 1 : 4 (1 cement : 4 coarse sand)	Cum	170.00	4322.00	734740.00
5.0	Providing and fixing steel gate, grating , and grills made of angles, tees, square bars, flats,or black pipe with holdfast and fittings complete as per design and drawing including cutting welding and fabrication with priming coat of red oxide	Kg.	1500.00	92.00	138000.00
6.0	Providing and laying brick kharanja on roofs with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound in square pattern, 75mm to 100mm thick average	Sqm	500.00	252.00	126000.00
7.0	Providing and fixing external grade board solid core single leaf flush door shutters ISI 2202-67 marked using Phenol formal dehyderesin in glue both sides with approved steel fittings complete as per annexure 'A' :30 mm thick .Decorative teak veneer both side.	Sqm	30.00	2223.00	66690.00
8.0	Stone slab roofing on ground floor with fine grained stone slab from approved quarry including filling of joints of parapet and slab on both sides in cement sand mortar 1:4, with ceiling pointing in cement sand mortar 1 : 3 complete as per specification and instruction of Engineer In Charge	Sqm	30.00	1498.00	44940.00

9.0	Grading roof for water proofing treatment with water proffing compound Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	2.20	4075.00	8965.00
10.0	Construction of tube-well from ground levels and upto 100 Meter depth and above to accommodate housing and assembly pipe of following sizes in all types of alluvium strata by percussion/ rotary drilling method and with gravel as per IS:4097-1967 and packing as per IS:2800 (Part I -& II) 1979 as amended upto date (the work includes the cost of gravel & its primary packing and packing during development, lowering of housing & strainer assembly pipes, with supply and wrapping of coir-rope, wherever necessary, for arresting fine sand particles. The work will not include cost of housing pipe and strainer pipe assembly and development work, but work would be completed after obtaining sand free water).150 mm Nominal bore.	Rmtr.	100.00	968.00	96800.00
11.0	Development of tube well as per IS specification using suitable compressor to give sand free water for required yield of the gravel packed tube well.	Hrs.	30.00	545.00	16350.00
12.0	Supply of ERW M.S. black casing pipe ISI marked (IS:4270/1992) of grade Fe410 of following sizes at site of work.150mm Nominal bore of pipe.	Rmtr.	90.00	1113.00	100170.00
13.0	Supply of strainer pipes made of ERW M.S. black pipe ISI mark of following sizes at the site of work including required size of slotting as per IS:8110-1985.150 mm Nominal Bore.	Rmtr.	90.00	1388.00	124920.00
14.0	Testing verticality of tube-well by plumbing system and yield test and draw down test by pumping system as per IS: 2800 (Part II) 1979.	Each	1.00	7623.00	7623.00
15.0	S & F tube well cover of M.S.sheet (6mm thick) with nuts and bolts complete for casing size: 150mm dia	Each	1.00	254.00	254.00
16.0	Installation of submersible motor pump set in Tube-well/open well complete (labour charges only) including transportation of tripod, chain pulley block & any other material required for lowering purpose.	Each	1.00	3696.00	3696.00
Total Part-A					734408.00

Conservation & restoration work of Kishori Mahal, Bharatpur					
S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part B-Based on PWD BSR- 2014 (Sanitary)					
1.0	P. & F Squatting Pan (Indian type) white glazed vitreous china 1st quality W.C. Pan (IS : 2556 Mark) with 100 mm vitreous china P or S trap including cutting and making good the wall and floor (excluding the pair of foot rest.) Size 580mm	Each	2.00	1012.00	2024.00
2.0	P & F Indian type white glazed vitreous china 1 st quality W.C. orissa pan (IS :2556 Mark) with 100 mm vitreous china P or S trap including cutting and making good the wall and floor: Size 580x440mm.	Each	2.00	2067.00	4134.00
3.0	P & F European type white glazed vitreous china 1st quality Double syphonic W.C (IS :2556 Mark) with P or S trap including cutting and making good the wall and floor	Each	2.00	4109.00	8218.00
4.0	P & F 1st quality WVC Urinal (IS:2556 mark) with 25mm dia G.I. waste pipe, dome waste couplings, concealed iron brackets or screws etc complete. Flat Back (large) or half stall size 610x400x80mm.	Each	3.00	3372.00	10116.00
5.0	P&F Marble Urinal Partition slab both sides polished of approved design cut from marble size 900x600mm.Makrana `Adanga` or Raj Nagar 1St Quality White or Andhi Indo-Italian marble.	Each	2.00	728.00	1456.00
6.0	P & F W.V.C. Half-Round Channel of approved make in C.M. 1:3, joints finished in white cement of: Size 150mm dia.	Rmtr.	4.00	573.00	2292.00
7.0	P & F Low level Flushing Cistern of 10 litres capacity (IS : 2556mark). Of approved make with complete fittings C.I. brackets duly painted, brass ball cock with ball, (IS: 1703 mark) complete including cutting and making good the wall : WVC for symphonic EWC.	Each	6.00	1969.00	11814.00
9.0	P & F WVC wash basin (1 st quality, I.S. : 2556 Mark) of approved make with C.I. brackets duly painted, 1 No. 15 mm C.P. Pillar cock (IS : 8934 Mark) & 32 mm C.P. brass waste coupling of approved make, 25 mm G.I. waste pipe complete including cutting & making good the wall.: Size 610 mm x 510 mm	Each	2.00	2634.00	5268.00
10.0	P& F waste Coupling with fittings of approved quality /make: C.P Brass 32 mm dia	Each	4.00	108.00	432.00
11.0	P& F waste Pipe with all fitting : P.V.C with C.P nut 32 mm	Each	4.00	132.00	528.00
12.0	P & F Bevelled edge Mirror/mirror with teak wood lipping around of special glass of approved make (Atul, Modi Guard, Saint Gobin or equivalent) complete with 6mm thick commercial ply base fixed to wooden screws & washers. Size 600 x 450mm x 4 mm thick	Each	2.00	436.00	872.00
13.0	P & F Grating of approved quality/make: Stainless Steel Sheet size 125mm dia. Heavy Quality of approved make .	Each	20.00	70.00	1400.00

14.0	P & F G.I. pipes (Internal work) with G.I. fittings (IS:1239 Mark) & MS clamps including cutting and making good the walls and floors :				
14.1	(A) Exposed on wall				
14.2	15 mm dia nominal bore, 'B' Class	Rmtr.	30.00	168.00	5040.00
14.3	25 mm dia nominal bore, 'B' Class	Rmtr.	70.00	277.00	19390.00
14.4	Concealed pipe in wall including painting with anticorrosive bitumen paint				
14.5	15 mm dia nominal bore, 'B' Class	Rmtr.	30.00	176.00	5280.00
14.6	25 mm dia nominal bore, 'B' Class	Rmtr.	20.00	219.00	4380.00
15.0	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make:				
15.1	C.P. Brass bib cock,15mm nominal bore.	Each	12.00	536.00	6432.00
15.2	Long body, 15mm nominal bore weight not less than 690 gm	Each	8.00	800.00	6400.00
16.0	P & F Inlet Connection (Angle Valves) Superior quality, of approved make, for Wash basin, Gyser etc. C.P. Inlet connection 15mm.Brass (IS : 8931 marked) with 37cm long thread and nut.	Each	8.00	888.00	7104.00
17.0	P & F Full-way Valve (IS:778 Mark) or wheel valve of approved make : Gun-metal 25mm nominal bore.	Each	4.00	481.00	1924.00
18.0	P & F rigid pvc pipe (IS:4985 mark) class II/ (4 kg./cm ²) approved quality / make including joining the pipe with solvent cement rubber ring and lubricant : 110mm dia	Rmtr.	45.00	188.00	8460.00
20.0	Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finish :20mm thick.	Sqm	90.00	128.00	11520.00
21.0	P & F PVC Storage Tank ISI Marked (IS : 12701) indicating the BIS license No), of approved make with cover, 25mm dia 1M long G.I. over-flow pipe & 25 Cm. long wash out pipe with plug & socket, including making connection etc., complete of approved design : 500 litres capacity.	Each	4.00	3240.00	12960.00
22.0	Providing and fixing 1st quality standard white, grey, ivory, fume red brown, light green, light blue and other light shades glazed tiles confirming to IS : 13753 & IS :15622 of size 200mm x 300mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (excluding the cost of cement plaster on walls and pillar).	Sqm	90.00	613.00	55170.00
23.0	Providing and fixing 1st quality MAT finished ceramic tile size 300x300mm confirming to IS : 13755 and IS : 15622 colour such as white, grey, ivory, fume red brown, light green, light blue and other light shades in floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (including the cost of cement mortar bed 1:4).	Sqm	35.00	680.00	23800.00

24.0	Construction of manhole in all type of soil inner size 90 X 60 Cm. 300 mm thick masonry in CM 1:6, 10 Cm. thick cement concrete 1:5:10 in foundation, 20 mm thick inside plaster in CM 1:6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring, making channels, 80mm thick stone slab covering with 40mm thick M-15 grade C.C. flooring, Cement cover with frame of 450mm dia, earthwork etc. complete as per design including disposal of surplus earth within 50 mtr. lead.:Depth up to 0.5 M	Each	2.00	4320.00	8640.00
24.0	Construction of chamber in all type of soil with 300 mm thick masonry in CM 1:6 m,10 cm thick C.C. 1:5:10 in foundation, 20mm thick insider plaster in Cm 1:6, finished with floating neat cement, 50mm thick M-15 grade C.C. flooring , earthwork etc. complete as per design including disposal of surplus earth within a lead of 50 mtr.Inside size 450 X 450 mm depth upto 0.5 M Cement cover with frame.	Each	4.00	1683.00	6732.00
25.0	Construction of soakage well in all type of soil with 300 mm thick dry masonry, top and bottom 300 mm course in CM 1:6, 80mm thick stone slab, jointing of slab in CM 1 : 3, Ralthal, Kharanja, 40 mm thick M-15 grade C.C flooring , earthwork complete as per approved drawing including disposal of earth within a lead of 50 mtr.: Size 300 Cm. dia outside & 300 Cm. depth .	Each	1.00	18997.00	18997.00
26.0	Construction of septic Tank in all types of soil with 40 Cm .thick masonry in CM 1:6, 15 Cm thick C.C bed of 1:5:10, M-15 grade C.C flooring & over stone slab covering ,80 mm thick slab ,jointing of slab in CM 1:3. Ralthal, Kharanja, 50 mm thick stone partition walls, 20 mm thick plaster in CM 1:6 finished with neat floating cement, 4 Nos C.I foot rests of approved design ,two No. 450 mm dia each Ferro cement cover with frame, earth work etc. complete as per approved drawing including disposal of surplus earth within a lead of 50 mtr:- Size 400 x140x150 cm.(for 50 users)	Each	1.00	45067.00	45067.00
Total Part-B					295850.00

Conservation & restoration work of Kishori Mahal, Bharatpur					
S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part C-Based on A&M BSR- 2011					
1.0	De-vegetation from monument by removing bushes, trees including complete uprooting from the wall & roofs/structures carefully including suitable chemical treatment to roots to avoid further growth including disposal of rubbish with in 50mtr. Lead as per direction of Engineer incharge.	Sqm	189.00	262.00	49518.00
2.0	Providing and laying lime Dhar on roofing as per Rajasthan, Jaipur traditional practice with lime, surkhi, old lime powder, brick aggregate 12 to 20mm (1:2:2:2) and using methi, gur, hemp, belgiri etc. including beating and temping 100 to 150mm thick as per specifications. Including dismantling of old deteriorated roofing.	Sqm	650.00	531.00	345150.00
3.0	Providing and spray / brushing of Gur, gugal & methi solution for bonding of lime work as per specification (200 gm gugal, 200 gm belgiri powder, 200 gm methi powder and 1 kg. Gur mixed in 20 litre water and boiled and stired till the solution volume reduce upto 3 / 4 th) using 15.00 litre solution in 10 sqm. area.	Sqm	2000.00	30.00	60000.00
4.0	Providing and fixing fine dressed sand stone / approved stone "Chajja" for palaces, chattries, forts and jharokas with fine dressed surface both sides and front edges should be round shape/moulding, fixing in grinded lime surkhi mortar 1:2 joint flush with proper adhesive with pigment to match the shade of stone (thickness of chajja on front edge 50mm and 75mm on fixing end) exposed surface is to be measured only	Sqm	260.00	4099.00	1065740.00
5.0	Providing and laying lime concrete in foundation and plinth using 40% lime mortar and 20mm nominal size graded aggregate (crusher broken) including ramming and watering complete in all respect comprising of : (1 Lime putty : 2 Surkhi mortar.)	Cum	280.00	2050.00	574000.00
6.0	Chemical treatment of sand stone to clean from yellowness, blackness, growth, dust, dirt oily accretions, lime and gypsum deposits, filling of cracks/ joining of gaps/ pointing, strengthening of weak stone, removal of salt effect and application of preservative coating to prevent algae growth and make the stone water proof	Sqm	3200.00	515.00	1648000.00
7.0	Providing and Fixing fine dressed sandstone approved stone "Railing" 50mm thick with moulding / lining as per existing design and matching with thambli, fixing of railing with proper adhesive / clips complete in all respect (thambli & clips paid seperately.)	Sqm	60.00	2990.00	179400.00

8.0	Providing and fixing fine dressed sand stone / approved stone "Thambli" (katahara pillers including) kalash on top, fixing on dasa as per existing design for fixing of stone jalies/ railings including making grooves as per required size. Size 100x100x750mm including kalash with moulding	Each	150.00	640.00	96000.00
9.0	Providing and fixing fine dressed sand stone "Todies" (Brackets) as per existing matching stone with moulding work with fine finishing, fixing in grinded lime surkhi mortar 1:2 including scaffolding, lead and lift complete in all respect. Size : 90cm x 60cm x 10cm (exposed part only)	Each	30.00	3180.00	95400.00
10.0	Providing and fixing fine dressed sandstone / approved stone "Katahara Jali" as per existing matching and design including moulding fixing by proper adhesive and white cement with pigment including making groove etc. complete in all respect. (50 mm thick.)	Sqm	40.00	4752.00	190080.00
11.0	Stone flooring work with chisel dressed surface of approved shade and quarry in irregular shape as per existing pattern on a base of grinded lime sand mortar 30mm thick and jointing with masaldar lime putty and stone dust mixed in 1:1 ratio with admixture of pigment (75mm thick) stone as per existing matching.	Sqm	1500.00	954.00	1431000.00
12.0	Providing and fixing fine dressed 35mm to 40mm thick " flooring " with white/light pink sand stone (machine grinded surface) machine cut of approved shade set in pattern over 30mm thick base of lime surkhi mortar 1:2 including jointing finished flush with lime putty and stone powder with an admixture of pigment complete in all respect.	Sqm	530.00	850.00	450500.00
13.0	Providing and fixing fine dressed sand stone "Cladding" (Plain dressing only) as per existing matching , fixing in grinded lime surkhi mortar 1:2 including pointing in cream and stone powder 1:1 with an admixture of pigment to match the shade of stone complete in all respect including removal of damaged cladding. 50mm to 60mm thick.	Sqm	300.00	1679.00	503700.00
14.0	Providing & fixing "ornamental stone cladding" of approved sandstone with dressing complete as per existing design / pattern / approved design, fixing with 30 mm thick grinded lime surkhi mortar 1:2 & pointing with white cement with araldite and pigment to match shade of the stone complete in all respect as per direction of Engineer in charge. (75mm thick)	Sqm	40.00	3375.00	135000.00
15.0	Providing and fixing double leaf door wooden shutters made of 1st grade well seasoned sheesham wood as per traditional design (Deshi pattern) planks thickness 40mm and width of binies, Andheri 50mm and 35mm, including Adwa etc. with fittings (nails, sankal, kunda, cheri, handle and patti etc.) as per existing matching/ as per approved design with moulding/ carving complete in all respect : Sheesham wood grade 1st	Sqm	50.00	3850.00	192500.00

16.0	Providing and fixing fine dressed sand stone/approved stone "JALI" as per existing matching geometrical design including moulding work with fine finishing, fixing with thambli by proper adhesive and white cement with pigment including making groove etc. complete in all respect. 50mm thick.	Sqm	40.00	6221.00	248840.00
17.0	Random Rubble stone masonry for foundation and plinth in Lime surkhi mortar 1:2 above 30cm. thick walls in : (1 Lime putty : 2 Surkhi including adding admixture like gur, methi etc. in mortar.)	Cum	260.00	1500.00	390000.00
18.0	Random Rubble stone masonry for superstructure, 4.50mtr. Height above plinth level/ one storey height above 30cm. thick walls in : Lime surkhi mortar 1:2 (1 Lime putty : 2 Surkhi including adding admixture like gur, methi etc. in mortar.)	Cum	200.00	1680.00	336000.00
19.0	Providing and fixing "Stone Kalasha" as per existing matching on doms od chattries/jharokhas as per existing design & dimensions as per traditional practices, fixing of kalash carefully without damaging the doms complete in all respect. Kalasha height. (exposed part) 90cm. to 100cm.	Each	22.00	3850.00	84700.00
20.0	Providing and Fixing fine dressed "kerb stone" (Dand stone) along with path way /gardening,tapper/round with top edges in lime surkhi mortar 1:2 including pointing with lime cream and stone dust with an admixture of pigment complete in all respect as per direction of Engineer incharge. Size 100 x300mm fine dressed.	Rmtr,	380.00	584.00	221920.00
21.0	Making Gardana under ceiling/ chajja with katla stone and grinded Lime surkhi mortar 1:2 including moulding work and fine finishing with grinded Lime surkhi mortar 1:2 as per existing matching/ traditional practice complete in all respect : Size 35cm X 35cm.	Rmtr,	200.00	724.00	144800.00
22.0	Providing and Fixing "Cobbles" on path way / open court yards over 40mm thick base grinded lime surkhi / lime sand mortar 1:2, including keeping 10mm joint between cobbles filled with masaldar grinded lime surkhi mortar 1:1 complete in all respects. The mortar should remain recessed by 5mm from the top surface of the cobble stone. 150 mm. thick	Sqm	850.00	940.00	799000.00
23.0	Providing & fixing fine dressed machine cut sand stone Stone steps (Treads & risers) with round nising as per existing matching fixing in lime surkhi mortar 1:2 including pointing in lime cream and stone dust 1:1 with an admixture (50mm to 60mm thick)	Sqm	120.00	1000.00	120000.00
24.0	Providing and fixing stone "Pillars" (Stambha) on pillars of Monuments, fine dressed as per existing matching stone/ approved quarry with plain moulding work as per existing architecture complete with all scaffolding and shuttering work, all lead and lift in proper order and sequence etc. as per direction of Engineer Incharge.	Cum	20.00	34648.00	692960.00

25.0	Exposition of the original surface of fresco paintings/tempra paintings by careful removal of upper coating of whitewash/ paint/ distemper/ plaster, arash etc. without any harm to the original hidden art work, cleaning of the paintings from all types of stains etc.with the help of suitable chemicals & consolidation of paint layer and plaster, retouching of lost portion, filling of gaps and cracks and provide preservative coating.	Sqm	60.00	5000.00	300000.00
26.0	Providing and fixing fine dressed sandstone 'Dasa/Coping as per existing matching, fixing in grinding lime surkhi mortar 1:2 including pointing in cream and stone powder 1:1 with an admixture of pigment to match the shade of stone complete in all respects				
26.1	Above 75mm to 100mm thick plain with fine dressing.	Sqm	300.00	1612.00	483600.00
26.2	75mm to 100mm thick with pan patti design.	Sqm	100.00	2456.00	245600.00
Total Part-C					9563000.00

Part D- (ELECTRICAL INSTALLATION WORK) : Based on Electrical BSR 2013					
S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
1.0	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.				
1.1	16.0 Sq.mm				
1.2	3 core	Rmtr.	150.00	159.00	23850.00
1.3	35.0 Sq.mm				
1.4	3.5 core	Rmtr.	150.00	252.00	37800.00
2.0	Plate Earthing as per IS:3043 with G.I. Earth plate of size 600mm x 600mm x 6.0mm by embodying 3 to 4 mtr. below the ground level with 25 mm dia. G.I. 'B' class watering Pipe including all accessories like nut, bolts, reducer ,nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required.	Set.	2.00	4250.00	8500.00
3.0	SITC of high mast lighting system (as per CP3-TR7/1996 of ILE, UK) consisting of totally hot dip galvanised by inge dipped method high mast, lantern carriage suitable for up to 12 nos luminaries with welded arm, mast head frame assembly with full cover, aviation obstruction lights, double drum type self sustaining winch, integral power tool accesible from door with padlocking arrangement (winch motor with control circuit) hot dipped galvanised heavy duty pipe ighting finial, suitable ropes (AISI 316, 7 / 191, costruction), EPR insulated PCP sheathed trailing cable, outdoor type control panel for auto on / off, reverse / forward motor operation and CC foundation of M - 25 grade complete as required. The mast is constructed from mild steel plates (as per IS 5986 Gr. 510) cut and folded to form a polygonal section, telescopic jointed and welding as per BS 5135. The complete work shall be supervised and certified by the manufacturers for satisfactory supply, erection, testing and commissioning of high mae the capacity to incorporate 1 no.12.5 Mtr HM (in 2 section)	Each	2.00	175500.00	351000.00
4.0	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections, testing etc. as required. Single pole MCB. 6 A to 32 A rating	Each	6.00	151.00	906.00
5.0	P&F 240/415 V isolator conforming to IS:13947-III/ IEC 60947-3 on existing board / sheet including making connections, testing etc. as required. Double pole isolator. 30 A / 40 A rating	Each	6.00	298.00	1788.00

6.0	P & F of IP 65 / IP66 protected High Power LED Flood Light system with extruded aluminium housing,toughened glass diffuser with suitable lenses on LED to acheive various beam angles, 240V, 50Hz - High Power LED lamps supplied with pre-wired cable of 1 mtr.Integrated Driver shall be high efficiency having efficiency > 85% and in compliance to IEC standards.System life of 25,000 Burning Hours with 70% or Warm White Colour as per engineers choice. Fixtures shall be CE and compliance : High Power LED Flood Light 120W	Each	4.00	38000.00	152000.00
Total Part-D					575844.00

Conservation & restoration work of Kishori Mahal, Bharatpur					
S.N.	PARTICULARS	UNIT	QNTY	RATE	AMOUNT
Part E-Non BSR Items (Item rates)					
1.0	Providing and erecting two legged mild steel tubular scaffolding, of width 1200 to 1500mm, completely free standing, using H frames or mild steel tubular pipes of minimum 40 mm diameter - with base plates, fixed or adjustable with necessary clamps, couplers, brackets for projections, joint pins, pulleys and other accessories, including steel angle or tubular pipe bracings at adequate intervals, access platforms of metal or timber planks of span not exceeding 2.5 metres, including provision of rubber inserts to pipe ends at points of contact with structure to avoid damage, including access ladders with intermediate platforms. The scaffolding is to be suitably braced to make its entire structure self supporting, requiring no anchorage whatsoever from the building components. Item to also include provision of supplying and erecting: (a) Nylon net covering to protect architectural and other surface decoration details on the entire external building face; (b) Safety platforms at ground level covering and clearly demarcating the entrances to/exits from the building; (c) Nylon net covering fixed to the exterior face of scaffolding with duct tape; (d) Safety signage boards - "Work in Progress" and "Caution" - at ground level. The measurements will be calculated by multiplying the lengths of the two legged units at the centre line of the 1200-1500mm scaffold unit widths x heights of the individual rows. The rates will include for the cross bracings between the rows of the scaffold units, and removal of scaffolding etc immediately after completion of work. Payment for the item to be made only once, after satisfactory completion of work.	Sqm	1500.00		
2.0	Providing dry trap/ rubble stone soling 15cm to 20cm thick including hand packing and compacting etc. complete	Cum	1000.00		
3.0	Providing antitermite treatment around the periphery of the existing building as per IS: 6313 (Part - III) by excavating trenches of 20 cm width and exposing the sides of the plinth upto a depth of 300mm and injecting 1% of chloropyrifos or equivalent emulsion concentrate at the rate of 2.25 litres per 10 metre and refilling the trenches, covering 2 years guarantee.	Rmtr,	2000.00		
4.0	Lowering down & Removal of debris, malba, building rubbish by mechanical support or any other means including lowering from any required height, stacking the same on site, loading, unloading and disposing away from the site to a lead of 15 kms without causing dust nuisance and damage to the structure, as per the direction of the Engineer incharge	Cum	450.00		
5.0	Providing gola 75mm x 75mm in lime concrete 1:2:4 (1 lime: 2 coarse sand: 4 graded stone ballast 10mm nominal size) including finishing with lime mortar 1:2 (1lime: 2 fine sand)	Rmtr,	600.00		

6.0	Lime concrete coping in ratio of 1:1:1:1 [1 lime : 1 coarse sand : 1 surkhi:1 brick aggregate nominal size] including consolidation, finishing and tampering complete.	Cum	30.00		
7.0	Demolishing brickwork / any type of masonry in lime or cement mortar of walls and vaults, arches, slabs etc. including stacking of serviceable material and disposal of unserviceable material within 50m lead	Cum	100.00		
8.0	Providing and fixing 1st class sal wood full length new members like joists, rafters, purlins, etc. including all fixtures and fastenings etc. complete. Item to include all mouldings and chamfers to be made as per original design indicated by the Architects, Item to include using a larger section of wood to get the mouldings and chamfers as per original design, sample to be shown to the Architect for approval before fixing. Item to also include application of solignum on the wooden surface.	Cum	50.00		
9.0	Providing and Constructing Tuman masonry by brick bats / stones in grinded mortar of Lime Sand Surkhi mortar 1:1:1 and mixing gur, gugal, methi, bel rus and any other additives as directed by the Architect, including racking and removal of all old loose plaster and cleaning the wall surface properly as per direction of Engineer Incharge.	Cum	80.00		
10.0	Providing and fixing SS stitch grouting for masonry repairs and cracks as required and as specified, as Per individual design including cutting chase, bending the ends of SS bars, drilling holes, ramming the same in masonry holes, grouting holes with fine sand lime mortar grout 1:2, mixed with 10% Portland cement by weight of lime, cleaning and then surfacing with mortar / plaster as required at all levels and heights and payable by weight of SS bars specified dia. 6 mm to 10 mm as used.	Kg.	1500.00		

11.0	<p>Providing Lime Surkhi Sand Plaster 1:2:1 (1 Lime putty : 2 Sand : 1 Surkhi) including preparation of mortar by traditional practice (by grinding) and mixing gur, gugal, methi, bel rus and any other additives as directed by the Architect/Engineer incharge of , 30-40mm thick in 3 courses for decorative columns, arches etc. works including & Loi, tamping, beating, till the shrinkage cracks disappear. The work is done with all leads as the work is of restoration nature as per Rajasthan practice including adding gur, methi & gugal on old walls including removal of all old loose and decayed plaster, each coat to be done after 3 days of previous coat. All surfaces to be plastered shall be thoroughly wetted for 24 hours before commencing plaster and shall be kept damp during the progress of work. At the same time the wall should not be too wet, as plaster is then likely to fall out . It is essential to maintain uniform suction of water by receiving surfaces, which shall be ensured by damping evenly all dry patches before applying plaster. The Project Manager will inspect and approve all preparatory work before the commencement of plastering work. Curing to be done for 21 days with help of water spray pump or any other necessary methods to avoid any surface cracks. In case of development of surface cracks, the same to be redone as part of rectification works to achieve the necessary level of finish as directed by Architect or Engineer in charge. Item to include all necessary tools, scaffold if required etc. complete .</p>	Sqm	2000.00		
12.0	<p>Providing final plaster finish coat of Lime Putty of 5mm thickness in 1 course. Before the final coat an additional intermediate Lime Sand Plaster 1:2 (1 Lime putty : 2 Sand) coat 10mm thick to be provided in 1 course on newly plastered walls including preparation of mortar by traditional practice (by grinding), & Loi, tamping, beating, till the shrinkage cracks disappear. All surfaces to be plastered shall be thoroughly wetted for 24 hours before commencing plaster and shall be kept damp during the progress of work. At the same time the wall should not be too wet, as plaster is then likely to fall out . It is essential to maintain uniform suction of water by receiving surfaces, which shall be ensured by damping evenly all dry patches before applying final plaster. The final plaster to be done only after complete curing and rectification if required of the plastered areas are complete. The Project Manager will inspect and approve all preparatory work before the commencement of plastering work. Curing to be done for 21 days with help of water spray pump or any other necessary methods to avoid any surface cracks. In case of development of surface cracks, the same to be redone as part of rectification works to achieve the necessary level of finish as directed by Architect or Engineer in charge. Item to include all necessary tools, scaffold if required etc. complete.</p>	Sqm	2000.00		

13.0	Providing anti termite treatment to the sides of flooring of the existing building as Per IS 6313 (Part III) by punching holes 16 mm dia drilled at a distance of 30 cm centre to centre and injecting 50 ml of cholopyrifos or equivalent 5% emulsion concentrate Per one hole and sealing by filling putty etc. complete covering 2 years guarantee.	Per One Hole	900.00		
14.0	Lime Plastic repair and restoration of profile of weathered or damaged limestone carvings, capitals, stringer courses and other architectural details by removing the decayed sections and replacing with layers built one over the other to restore the profile of the detail with lime mortar in 1Kg of lime with 3 Kgs of quartz sand and using armature of Stainless Steel pins of 6mm diameter. The work shall be carried out as per the detailed specifications laid down in the separate volume of specifications for the item of Lime Plastic repair and as directed by the Architect and the Engineer-in-charge.	Sqm	30.00		
15.0	Removing all the damaged/cracked/dumped Lime dhar carefully and conservation of same in proportions 1:2 (1 Lime putty : 2 Sand) including preparation of mortar by traditional practice (by grinding) and mixing gur, gugal, methi, bel rus and any other additives as directed by the Architect/Engineer incharge, 30 - 50 mm average thickness including Loi, tamping, beating, till the shrinkage cracks disappear including all leads and lifts and laid to proper slope to drain off water entirely. Curing to be done for 21 days with help of wet jute bags or ponding or any other necessary methods to avoid any surface cracks. In case of development of surface cracks, the same to be redone as part of rectification works to achieve the necessary level of finish as directed by Architect or Engineer in charge. The top layer to be treated with false marking of existing grid or of any other size grid including 'ghuttai' to achieve smooth even surface as directed by the Architect or Engineer in Charge. Item to include all necessary tools, curing etc. complete	Sqm	850.00		
16.0	Drilling and boring through masonry walls upto 750 mm thick (horizontal / angular) as required to create passage for cables, a/c tubing ducts 100-150mm dia as per architectural requirements, all labour, plant , tools , skilled manpower etc. complete including grouting / filling and making good.	Per One Number	10.00		

17.0	Providing new/ restoration of decorative sandstone door frames and architraves as per the original details found on site. The damaged portions of the original door frame/ architrave to be carefully dismantled without damaging the adjacent areas, and replacing the same with new detail fixed using lime sand mortar 1:2 and of the same size and design as that of the original details found on site. Sample of the terracotta frame/ architrave to be shown to the Architect/Engineer incharge for approvals before procuring and fixing the same on site. Item to include all necessary anchoring details, scaffolding if required etc. complete. Mode of Measurement: Item to be paid only for the part of the door frame/ architrave made new and not the entire frame/ panel of architrave.	Cum	25.00		
18.0	Removing of the disturbed sand stone flooring carefully and refixing the same in set pattern over 30mm thick base of lime surkhi mortar 1:2 including jointing & finished flush with lime putty and stone powder with an admixture of pigment complete in all respect and as per direction of Engineer incharge.	Sqm	560.00		
19.0	Engraving Letters on approved sand stone as per approved design and pattern and as per direction of Engineer incharge.				
19.1	Size 1" high	Each	300.0		
19.2	(Size 1.50"high	Each	1000.0		
19.3	Size 2"high	Each	3000.0		
20.0	Restoration of disturbed/dislocated Hexagonal chattrie left side of mahal at height of 50' including dismembring all dislocated parts i.e dasa, piller chajja,jali,dom etc carefully with proper safety arrangement, required scaffolding and refixing the same and replacement of the broken parts complete as per existing traditional design and pattern at Kishori mahal, Bharatpur and as per direction of Engineer incharge.	Job	1.00		
21.0	Restoration/reconstruction of remaining part of Hexagonal chattrie right side of mahal at height of 50' with proper safety arrangement , required scaffolding etc. complete as per existing traditional design and pattern at Kishori mahal, Bharatpur and as per direction of Engineer incharge.	Job	1.00		
22.0	Providing and fixing of Stone Benches of size 1800 mm x 650 mm x 450 mm on the base of 2 nos. of vertical stone of size 200 mm thick , 600 mm wide 1/3 of the total height on 100 thick lime concrete base, the top three stone of size 1800 mm x 200 mm X 100 mm thick with the gap of 25 mm, the tope stone should be fix on both base stone with 12mm dia S.S. pin complete as per drawing and direction of Engineer in charge .	Each	15.00		
Total Part-E					