

:: अल्पकालीन ई-निविदा सूचना संख्या-1/2017-18 ::

राजस्थान के राज्यपाल महोदय की ओर से निम्नांकित कार्यों के लिए पुरातत्व विभाग/ भारतीय पुरातत्व सर्वेक्षण/आमेर विकास प्राधिकरण/सार्वजनिक निर्माण विभाग/केन्द्रीय लोक निर्माण विभाग/ राजस्थान हाउसिंग बोर्ड आदि राजकीय/स्थानीय निकाय/निगम आदि में कार्यरत सक्षम श्रेणी में पंजीकृत फर्मो/संवेदकों से ऑनलाईन निविदाएँ आमंत्रित की जाती है-

कार्य का नाम एवं स्थान	अनुमानित राशि (करोड़ में)	धरोहर राशि (रूपयों में)	निविदा शुल्क (रूपयों में)	ई-टेंडरिंग प्रक्रिया शुल्क (रूपयों में)	तकनीकी बिड खोलने की तिथि (अपराह्न 3.00 बजे)	कार्य पूर्ण करने की अवधि
Facade Illumination of Major Arterial Road of walled city, Jaipur including operation & Maintenance for 3 years	27.00	54,00,000.00	1000.00	1000.00	11.07.2017	12 माह

संवेदकों/फर्मो/निविदादाता द्वारा निम्नलिखित शर्तों को पूरा किया जाना आवश्यक है-

1. निविदा के सम्बन्ध में विस्तृत सूचना एवं शर्तों को वेबसाइट <http://museumsrajasthan.gov.in> एवं <http://sppp.rajasthan.gov.in> पर देखी जा सकती है। इन निविदाओं को <http://eproc.rajasthan.gov.in> वेबसाइट से दिनांक 27.06.2017 से 10.07.2017 सांय 5.00 बजे तक डाउनलोड की जाकर इलेक्ट्रॉनिक फोरमेट में दिनांक 11.07.2017 अपराह्न 1.00 (एक) बजे तक ऑनलाइन अपलोड करनी होगी।
2. ऑनलाइन प्राप्त तकनीकी बिड अधिशाषी अभियन्ता, पुरातत्व एवं संग्रहालय विभाग, राजस्थान, जयपुर द्वारा दिनांक 11.07.2017 को अपराह्न 3.00 बजे खोली जायेगी। यदि किसी कारणवश उस दिन अवकाश रहता है तो अगले कार्य दिवस को उसी समय व उसी स्थान पर निविदाएँ खोली जायेगी।
3. निर्धारित निविदा शुल्क एवं धरोहर राशि का अलग-अलग बैंकर चैक/डी0डी0 निदेशक, पुरातत्व एवं संग्रहालय विभाग, जयपुर के नाम देय एवं ई-टेण्डर प्रोसेसिंग फीस डी.डी. एम0डी0 आर0आई0एस0एल0, जयपुर के पक्ष में टेण्डर हेतु दिनांक 11.07.2017 को अपराह्न 1.00 (एक) बजे तक इस कार्यालय में जमा करानी होगी।
4. पंजीकृत फर्मो/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 होगी।
5. "पंजीकृत फर्मो को विगत 5 (पांच) वर्षों में समान कार्यों के एक तिहाई मूल्य के बराबर के कार्य (To be updated to current price level @ 10% per annum) पूर्ण करने का अनुभव होना चाहिए एवं उक्त कार्यों को सफलतापूर्वक पूर्ण करने की प्रमाणित फोटो प्रति ऑनलाईन आवेदन के साथ संलग्न करनी होगी"।
6. किसी भी निविदा को बिना कारण बताये निरस्त करने तथा कार्य की लागत में कमी/बेशी करने अथवा उसमें संशोधन करने का अधिकार निम्नहस्ताक्षरकर्ता को होगा।

अधिशाषी अभियन्ता

GOVERNMENT OF RAJASTHAN

DEPARTMENT OF ARCHAEOLOGY & MUSEUMS, RAJASTHAN, JAIPUR.

TENDER FORM

- 1 NAME OF WORK – **Facade Illumination of Major Arterial roads of walled city, Jaipur including operation and maintenance for 3 years.**

- 2 Name of full postal address of the firm.....
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.....
.....

3. Reference to : NIT No. 1/2017-2018

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 - **Facade Illumination of Major Arterial roads of walled city, Jaipur including operation and maintenance for 3 years.**
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 earnest money shall be treated as a part of the security which shall be refunded after finalization of tender. The earnest money of the contractor whose tender is accepted shall be adjusted in the running bills as per rules.
4. The rates quoted by the contractor will remain valid up to four months **which can be extended on mutual consent or more**
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. In addition to work performance Security, Security amount @ 5% of the gross amount of the running bill shall be deducted towards operation and maintenance of the project for 3 years after completion of the work. The 5% Security amount shall be refundable only after completion of operation and maintenance period. In case successful bidder fails to operate & maintain the project during above 3 years defect liability period, then the operation & maintenance shall be carried out by the department on risk and cost of the successful bidder and shall be recovered against above security amount.
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 earnest money 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 earnest money.
12. If any contractor who having submitted a tender does not execute the agreement in prescribed time limit, he shall stand debarred from participating in such re-tendering and forfeiture of earnest money.
13. Contractors shall submit only unconditional tenders, conditional tenders are liable to rejected summarily.
14. Special conditions regarding the execution of work as attached may be read carefully before tendering.
15. 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.
16. Escalation claim not acceptable.
17. 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.

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

Accepted

Signature of the Tenderer

संवेदकों/फर्मों/निविदादाता द्वारा निम्नलिखित शर्तों को पूरा किया जाना आवश्यक हैं—

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 स्कैन 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 आवेदन 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 आवेदन के साथ पंजीकरण प्रमाण पत्र, पंजीयन संख्या तथा अन्य तकनीकी सूचनायें प्रस्तुत करनी होंगी।
10. "पंजीकृत फर्मों को विगत 5 (पांच) वर्षों में समान कार्यों के एक तिहाई मूल्य के बराबर के कार्य (To be updated to current price level @ 10% per annum) पूर्ण करने का अनुभव होना चाहिए एवं उक्त कार्यों को सफलतापूर्वक पूर्ण करने की प्रमाणित फोटो प्रति ऑनलाइन आवेदन के साथ संलग्न करनी होंगी"।
11. 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। निविदा प्रोसेसिंग शुल्क राशि रूपये 1000/- का डी.डी. जो कि

एम.डी. आर.आई.एस.एल., जयपुर के नाम से देय होगा, निर्धारित अवधि में कार्यालय में जमा करवाया जाना होगा उक्त के अभाव में प्राप्त निविदाओं को स्वीकार नहीं किया जायेगा।

12. निविदा को अपलोड करते समय धरोहर राशि निविदा शुल्क, निविदा प्रोसेसिंग फी के डी.डी. की प्रति स्कैन कर अपलोड करनी होगी।
13. निविदा के दिन राजकीय अवकाश होने पर अगला कार्य दिवस माना जावेगा। तार एवं फैक्स आदि से प्राप्त निविदा आवेदन पत्र तथा निविदा स्वीकार नहीं की जावेगी।
14. 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।
15. 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।
16. कार्यों को सम्पादन हेतु ऊंचाई/पानी के अन्दर/लीड/शटरिंग/सकेफोल्डींग इत्यादि किसी भी प्रकार का अलग से भुगतान देय नहीं होगा।
17. 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।
18. कार्य के दौरान पानी, बिजली या अन्य किसी भी आवश्यकता को संवेदक/फर्म को स्वयं अपने खर्चे पर पूरा करना होगा।
19. 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।
20. कार्य स्थल पर विभाग द्वारा बनाये गये **Design** के अनुरूप कार्य विवरण सूचना पट्ट लगाना होगा।

मैं उपरोक्त समस्त शर्तों के लिए सहमत हूँ।

अधिशाषी अभियन्ता

स्वीकार्य

निविदादाता

निविदा कार्यों हेतु शर्तें :-

1. प्रकाश व्यवस्था कार्य प्रारम्भ करने से पूर्व कार्य स्थल की डिटेल्ड 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" साईज 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 सी0डी0 भी प्रस्तुत करनी होगी। इस कार्य का कोई अलग से भुगतान देय नहीं होगा।
2. 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।
3. कार्यों को सम्पादन हेतु ऊंचाई/पानी के अन्दर/लीड/शटरिंग/सकेफोल्डींग इत्यादि किसी भी प्रकार का अलग से भुगतान देय नहीं होगा।
4. कार्य के दौरान सुरक्षा की पूर्ण जिम्मेदारी संवेदक की होगी, किसी भी प्रकार की हानि/चोरी हुई तो संवेदक पर नियमानुसार कार्यवाही की जावेगी।
5. कार्य के दौरान पानी, बिजली या अन्य किसी भी आवश्यकता को संवेदक को स्वयं अपने खर्च पर पूरा करना होगा।
6. कार्यों का सम्पादन के लिये संवेदक द्वारा कार्य स्थल पर अभियन्ता एवं मास्टर क्राफ्ट्समैन लगाये जाने अत्यावश्यक है, जिनके नाम कार्यादेश के समय संवेदक द्वारा सूचित किये जावेंगे तथा कार्यों के सम्पादन के समय उनकी उपस्थिति अनिवार्य होगी।
7. 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।
8. कार्य स्थल पर विभाग द्वारा बनाये गये Design के अनुरूप कार्य विवरण सूचना पट्ट लगाना होगा।
9. बिड प्रतिभूति राशि की वापसी कार्य सन्तोषप्रद होने की स्थिति में नियमानुसार लौटायी 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 Earnest money deposited: (Copy to be enclosed)
(a) Amount deposited Rs.....
(b) Draft/DD No.
7. Service Tax Registration No.
8. Details of similar nature work experience (completed works) executed during last five years (Proof 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 earnest money 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 to be 10% 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) In addition to the work Performance Security, Security amount 5% of the gross amount of the running bill shall be deducted towards operation and maintenance of the project for 3 years.

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 earnest money. This amount of earnest money shall absolutely be forfeited to 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 or 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 the 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 DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR or other authorized Engineer shall have the right of rejecting all or any of the tenders without assigning any reasons.
7. 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.
8. 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. as per PWF&AR. provisions.
9. Tenders shall be sent to the address of DIRECTOR, ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR
10. The ARCHAEOLOGY & MUSEUMS DEPARTMENT, RAJASTHAN, JAIPUR is not bound to accept the lowest

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. Experience into similar nature of works for which tender invited and fulfill conditions of NIT.
18. 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 26 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 fulfilling the requirements laid down in the NIT and well versed and working in the field of supply, installation and commissioning of lighting fixtures for facade lighting. Bidders will have to supply all the needed information as mentioned in the NIT and detailed in clause 26 herein in order to evaluate the Technical bid and have the technical and financial capability to execute the work in question. Only those bidders will be considered qualified in the Technical bid who have executed similar works to the tune of at least 1/3rd of the estimated value of the work (published in NIT) during last five years (updated to current price level @10.0% per annum), and have the necessary technical expertise and support machinery and administrative and financial capability 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. Illumination 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 approved samples of each element.

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/ formwork 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 and after satisfactory completion of operation and maintenance period.
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 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 similar type 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 similar works executed in any one year during the last five years including current year (updated to the current price level) 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 (up dated to the current price level). Extracted from schedule III
 - (ii) Bid Capacity=(A×N×3-B) where
 A=Maximum value of works executed in any one year during the last five years (updated to present price level) taking into account the completed as well as works in progress.

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

B=Value, at present price level, 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.

NOTE -The present price level for turn over, cost of completed works and amount of similar nature works (of a value at least 1/3rd of the estimated value of the work, published in NIT during last five years), the previous years value shall be given weightage of 10% per year as following for the tenders/bids invited by this department –

(a) For last year	-	1.00
(b) For one year before	-	1.10
(c) For two year before	-	1.21
(d) For three year before	-	1.33
(e) For four year before	-	1.46

For current year the price level shall be 1.0

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:
- 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.
 - 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 36 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. In the event the employer takes over portions of work as they are completed the liability of the contractor under this clause for these portions shall extend to a period of 36 months from the actual dates on which portions of the works are taken over.

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
- 5.
6. (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)
5. Furnish Balance Sheet and profit and loss statement with auditor's report for the last three years.
6. The information on the following aspects should be specifically furnished.
 - (i) Working capital and net worth.
 - a.
 - b.
 - c.
 - (ii) Turnover for the years
 - (i)
 - (ii)
 - (iii)
 - (iii) Gross income in years in India
 - (i)
 - (ii)
 - (iii)
 - (iv) Quick ratio or acid test ration (Quick assets to current liabilities).
7. What is the maximum annual turnover of the project that you can handle (Financial Projection).
8. Have you ever been denied tendering facilities by any Governmental/ Department/Public Sector undertaking?
(If yes, Please give details)
9. List of your source of finance
10. Certificate of financial soundness by Bank.
11. Name and address of Bank from whom reference can be obtained.
12. Have you ever been declared bankrupt?
(if yes, please give details)

Signature of Contractor

SCHEDULE-II

WORKS OF SIMILAR MAGNITUDE TO THE WORK UNDER CONSIDERATION, COMPLETED BY THE APPLICANT IN LAST FIVE YEARS IN INDIA

(Pursuant to Clause 26)

S.No.	Na me of wor k	Place & State	Tender awardin g Agency	Tender ed Cost	Stipulated time of Completi on	Time in which complete d	Date of comp letion	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 26)

S.No.	Name of work	Place & State	Work on Hand				Work tendered for			
			Tender Cost & Date or award	Stipulated period of Completion	Cost of work remaining to be executed	Anticipated Date of completed	Estimated cost (Rs. In Lakh)	Date when decision expected	Stipulated Date 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 26)

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

Electrical works for LED façade lighting of Phase-1 of Jaipur Walled City

1.0 General:

- a. The scope of works covers supplying the items of approved make and model as per technical specifications, testing as may be necessary before dispatch, delivery at site, all preparatory work, assembly and installation, and operation of LED electrical works for facade lighting & final testing & commissioning. The scope also includes removal/dismantling of the existing lighting system wherever not required due to new LED electrical works for facade lighting.
- b. The work is of extremely urgent and important nature and is required to be completed on priority within the target date, in co-ordination with other agencies.
- c. After the successful installation and commissioning and a 3 year operations and maintenance, the firm shall train Archaeology and Museums Department, Jaipur personnel regarding functioning & operation of entire system.

2.0 Location:

- 2.1 The electrical works for LED facade lighting will be installed at Jaipur Walled City, Jaipur on the specified roads.
- 2.2 The work shall be executed as per Archaeology and Museums Department, Jaipur General Specifications for Electrical Works
- 2.3 The tenderer should in his own interest visit the site and familiarizes him-self with the site conditions before tendering.
- 2.4 All equipment delivered shall be brand new with Manufacturer's certificates, warrantee technical catalogues, instructions, manuals and wiring diagrams etc.
- 2.5 The work shall be executed at **Jaipur Walled City**. The buildings are fully occupied have commercial & residential units which are fully occupied. The contractor shall organize his activities of the work in such a manner that the works and functioning of the occupants do not get hampered.

3.0 Care of Buildings and Precautions to Other Services:

The work site is an occupied buildings where lot of other service cables, Service lines of various E&M, building services are already existing/functioning in the campus/building. Hence, the contractor shall organize activities of his work in such a manner that none of the existing service get damaged/dislocated/hampered in any manner. Care shall also be taken by the contractor to avoid damage to any of these existing service/service lines, any part of the buildings etc. If any damage is caused to any of the existing services/service lines, or any part of the buildings the same shall be repaired/rectified and made functional or restored to the original finish by the contractor immediately at his own expenses failing which the same shall be repaired/rectified and made functional by department at the risk and cost of the contractor.

- 3.1** As already stated above the **Jaipur Walled City** is important and heritage area and its repair/restoration to its original finish would be very-very costly affair. Hence if any cutting/breaking on floor/wall/ceiling becomes inevitable for execution of the work then it must be done to the barest minimum level, in a highly professional manner & only after consulting the Engineer-in-charge. It must be ensured that such cutting are repaired/restored to its original finish by the contractor immediately at his own expense failing which the same shall be repaired/restored to its original finish by department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final & binding.
- 3.2** The project is time bound and any delays caused by means other than natural hazards/calamities shall be to the contractors account.

4.0 Prices:-

- 4.1** Considering the situation explained under above paras, the bidder must visit the site and must get himself acquainted with the proposed site of work, study specifications and conditions carefully before bidding rates. Nothing extra shall be paid on account of compliance of any of these clauses.
- 4.2** Prices of all items i.e. item includes supplying, installation, testing, commissioning and also including provision of 3 years operation and comprehensive maintenance.

5.0 Mode of Opening of Bid:-

5.1 Bids are being invited by e-bidding in two bid system:-

Stage-I : Opening of EMD, Processing fee & "Eligibility Documents" (Technical Bid).

Stage-II :Opening of Price Bid/revised price bid and finalization of bid (Financial Bid).

- 5.2** Technical bid shall be opened/ downloaded on the date given in NIB and scrutiny of PQ papers will be done and agencies based on PQ criteria will be finalised by the competent authority.
- 5.3** The date and time of downloading of the "Financial Bid" shall be communicated at a later date to bidder who are technically qualified. The EMD of those firms, who do not fulfill the eligibility criteria and are also not approved by the competent authority, will be returned back to the firm without any interest & their "Financial Bid" shall not be opened.
- 5.4** Please note that the makes offered must be only from the list of Approved makes of **Material/equipment attached in this bid document.**
- 5.5** Bidders are advised not to deviate from the technical specifications/ items, commercial terms and conditions of NIT like terms of payment, guarantee, arbitration clause, escalation, release of Security and performance guarantee etc.
- 5.6** The bidder will not be allowed to withdraw or modify their bid any time after the decision to open the financial bids have been taken by the department and of opening of the financial bid/ revised bid, if any, is fixed & communicated to the bidders.

6.0 Taxes and Duties:

The bid is for entering into item rate works contract. The rates shall be inclusive of all taxes, duties, levies, cess, packing, transportation, handling, insurance etc. **but excluding Service tax. Service tax shall be paid by the contractor to the concerned department on demand, the same shall be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor. (Any changes in VAT / Service Tax as per the government regulations being made applicable after the tender date can not be claimed by the contractor)**

Statutory deduction of works contract tax/VAT/sale tax/ cess as applicable shall be made at source from each running /final bill payment. A certificate of TDS shall be issued by the department to the contractor. The rates of items shall be inclusive of all such taxes.

7.0 Terms of Payments:

The bidder shall quote their rates against each item for supply, installation, testing and commissioning and also including operation and comprehensive maintenance **for 3 years** after initial completion of work as certified by Engineer-in-charge.

8.0 Mobilization Advance/Advance Payment:

No mobilization/Advance Payment shall be paid for the supply of material etc.

9.0 Completion Period:

The total time permitted for the entire work shall be 120 days from the date of allotment

10.0 Works to be Done by the Bidder:

In addition to supply, installation, testing and commissioning of all the equipment, as per schedule of work, and specifications, the following works shall be deemed to be included within the scope of work to be executed by the bidder for which no payment shall be admissible.

10.1 Dismantling the existing lighting system wherever not required due to new facade lighting system in the building in a phased manner and staking the dismantled material at designated place as per directions of the Engineer-in-charge.

10.2 Any minor building work for the installation such as cutting and making good the damages.

10.3 Installation of the equipment to the entire satisfaction of the consultant and the engineer- in- charge.

10.4 T&P required for execution of work.

10.5 Protection required for the equipment from rain, dust, storm etc. during transportation & storage in open i.e. polythene cover and tarpaulin.

10.6 Necessary equipment required for testing & commissioning.

10.7 Removal of all malba / debris / pieces of cut ends of cables etc. from the site by the contractor on daily basis and disposing it out of the premises of premises of the site on a daily basis. The site is to be kept clean at all the time during execution of work.

10.8 The installation of the specialized items like LED luminaries and associated accessories shall be carried out under the supervision of the engineer in-charge only. The testing and commissioning of these fittings and ancillaries shall be carried out by the engineer of the manufacturer and the commissioning report of the manufacturer shall be provided to the department, failing which no payment shall be released

10.9 Three **(3) years** operation and comprehensive maintenance after completion of SITC work.

11.0 Completeness of Bid:

The quoted rates shall include all fittings, unit assemblies, accessories, hardware, foundations including civil works, bolts, terminal lugs for electrical connection, cable glands and miscellaneous materials of accessories or items of work which are useful and necessary for efficient assembly and installation of the quoted items unless otherwise specifically indicated in the bid. The equipment shall be provided complete in all items whether such details have been mentioned or not.

12.0 Detailed Manual and Drawings to be furnished by the Bidders:

The bidder shall furnish detailed technical literature along with the bid.

13.0 Drawings for Approval on Award of the Work:

13.1 The contractor shall prepare and submit following drawings as per site conditions and get them approved from the department before the start of the work. Department will not supply any drawings except those which are a part of this tender. The approval of drawing however does not absolve the contractor of his responsibility to supply the equipment/materials as per agreement. In case of any contradiction between the approved drawings and agreement, the decision of the department shall be final and binding on the contractor.

13.2 Drawing should include manufactures name(s), model numbers, ratings, power requirements, equipment layout, device arrangement, complete wiring point-to-point diagrams, and conduit layout.

14.0 Completion Drawings:

14.1 Three sets of the drawings shall be submitted by the contractor while handing over the installation to the Department. Out of this one of the sets shall be laminated on a hard base for display in the fire control room. Additional one set will be given on Compact Disc.

- (i) System Installation drawings giving complete details of all the equipment, including one set of reproducible drawings and a CD ROM with copies of record of Drawings in DXF for use in a CAD drafting program.
- (ii) Line diagram and layout of all Electronic/Electrical control panels giving switchgear ratings and their disposition, cable feeder sizes and their layout.
- (iii) Control wiring drawings with all control components and sequence of operations to explain the operation of control circuit.
- (iv) System matrix showing input signals to output commands.
- (v) System Operation, installation and maintenance manual detailing all adjustments, operation and maintenance procedure.

14.2 The contractor shall have to submit completion documents within one month of the completion of original work (in hard & soft copy), failing which a sum equal to 2.5% of the value of work done subject to the ceiling of **Rs. 200000/- (Rupees two lakh only)** shall be recovered from the contractor.

15. Mode of Dispatch of Materials:

15.1 Consignments shall be sent duly insured by road transport on freight paid basis. Department will not pay anything on this account. All the consignments are to be duly insured at the cost of the successful bidder. The insurance cover shall be valid till the equipments are handed over duly installed, tested and commissioned. The contractor may be required to import the material/ fittings as per requirement. They may also be required to air lift the imported material to complete the work in given time schedule. Contractor shall account for such eventuality and nothing extra shall be paid by the department.

15.2 The bidder shall submit all the relevant documents like type test, all test certificate, catalogue, operation manual including guiding the our staff for proper operation and function of the equipments supplied by the agency.

16. Compliance with Regulations and Indian Standards:

16.1 All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular the equipment and installation will comply with the following:

- 1.1.1 Factories Act.
- 1.1.2 Indian Electricity Rules.
- 1.1.3 I.S. Standards / NBC-2016 / NFPA / ADMA, JAIPUR Specification as applicable
- 1.1.4 Workmen's compensation Act.

16.2 Nothing in this specification shall be construed to relieve the successful bidder of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.

16.3 Successful bidder shall arrange for compliance with statutory provisions of safety regulations and departmental requirements of safety codes in respect of labour employed on the work by the bidder. Failure to provide such safety requirement i/c necessary barriers, warning signals etc. wherever required would make the bidder liable for penalty as per the contract for each default. In addition, the department will be at liberty to make arrangement for the safety requirements at the cost of bidder and recover the cost there of from him.

17. Indemnity:

The successful bidder shall at all times indemnify the department, consequent on this work contract. The successful bidder shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claim arising there from during the period of erection, construction and putting into operation the equipment and ancillary equipment under the supervision of the successful bidder in so far as the latter is responsible. The successful bidder shall also provide all insurance i/c third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful bidder on account of the above.

18. Guarantee:

The installation will be handed over to the department after necessary testing and commissioning of **the LED luminaries including drivers, dimming modules and all associated accessories**. All work performed and all material and equipment furnished under this contract shall be free from defects and shall remain so for a period of at least three (3) year from the date of taking over the installation by the department. The full cost of maintenance, labour and materials required to correct any defect during this period shall be included in the submittal bid. The equipment or components, or any part thereof, so found defective during operation and maintenance period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final & binding on the contractor.

The contractor shall provide an undertaking for the that they shall replace the defective materials without any observation **within 48 hours** of being so informed, during the operation and maintenance period. Recovery from the running bills shall be made for default as per various recovery clauses/conditions mentioned in **terms & conditions of operation and comprehensive maintenance** and decision in this regard of Engineer-in-Charge will be final and binding.

The Bidder shall give the Guarantee for the following among other things.

- a) Quality, strength and performance of the materials used as per manufacturer's standards.
- b) Safe mechanical and electrical stress on all parts under all specified conditions of operation.
- c) Satisfactory operation during the comprehensive maintenance period of 3 years after completion of the work.

19. Acceptable Makes of Various Equipment

The acceptable makes of various equipment/components/accessories have been indicated "Acceptable Makes". The tenderer shall work out the cost of the offer on this basis. Alternate make are not acceptable. All items for which the makes are not mentioned in the tender shall conform to technical specifications mentioned in NIT and to be got approved from the engineer-in-charge before procurement as otherwise the same will be rejected outright.

20. Storage, Insurance and Custody of Materials:

20.1 Suitable open storage space and lockable space only for storage of small & loose items shall be made available to the successful bidder free of cost. Safe custody of all the materials supplied by the contractor including its watch and ward at site till handing over to the department after commissioning of the complete installation shall be the responsibility of the successful bidder.

20.2 All consignments are to be duly insured upto the destination from warehouse to ware house at the cost of the supplier. The insurance covers shall be valid till the equipment is handed over duly installed, tested and commissioned.

21. Credit for Old Dismantled Material

The old and dismantled material if any shall be handed over to the rightful owner and a proper record of the same shall be made, all claims arising from improper handling of this issue shall be the entire responsibility of the contractor

22. Completion Period:

22.1 The completion period of 100 **Days** indicated in the tender documents is for the entire work of planning, designing, supplying, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-in-charge. The firm shall submit a completion plan in soft and hard copy before finalizing the final bill.

22.2 The contractor shall submit "Time & Progress chart" (Bar Chart) for execution of work showing activities distinctly along with Bar-Chart within 5 days of the letter of acceptance of work in direct relation to the time stated in the contract document for completions of items of the works as per different milestone fixed indicating the forecast of date of commencement and date of completion of various items / activities from start point to endpoint as per agreement for adherence during execution.

22.3 If at any time, it appears to the Engineer-in-charge that the actual progress of work does not conform to the approved program referred above, the contractor shall produce a revised program showing the modifications to the approved program by additional inputs to ensure completion of the work within the stipulated time.

22.4 In case the contractor fails to achieve individual of appendix XI of PWF&AR milestone as specified in Schedule F, action shall be taken as per clause 2 & other relevant Rules & Clause of the General conditions of contract with up-to amendments.

23. Verification of Genuineness of Equipment at Destination:

The contractor shall have to produce all the relevant records and test reports to certify that the genuine equipment from the Manufacturers has been supplied and erected.

24. Performance Guarantee:

Performance guarantee of 10% of the SITC value has been retained during the operations and maintenance of 5 years. This amount can be converted to a bank guarantee. This bank guarantee shall be kept valid till the end of 5 years plus 100 days of operation and comprehensive maintenance.

25. Training:

The scope of works includes the "**on the job technical awareness training**" of two persons of department at site. Nothing extra shall be payable on this account.

Form Of Performance Security

BANK GUARANTEE BOND

In consideration of the President of India (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement between _____ and _____ (hereinafter called "the said contractor(s)" for the work _____ (hereinafter called "The said agreement") having agreed to production of a irrevocable Bank Guarantee for _____ (Rupees _____ only) as security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We _____ (hereinafter referred to as "the Bank)hereby undertake to (indicate the name of the bank)pay to the Government an amount not exceeding _____ (Rupees _____ only) on demand by the Government.
2. We _____ do hereby undertake to pay the amounts due and payable (indicate the name of the bank)under this Guarantee without any demure, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s).Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding _____ (Rupees _____ only).
3. We, the said bank further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.
4. We _____ further agree that the guarantee herein contained shall(indicate the name of the Bank)remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge on behalf of the Government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor (s) and accordingly discharges this guarantee.

5. We _____ further agree with the Government that the government(indicate name of the bank)shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for anytime or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. We _____ lastly undertake not to revoke this guarantee except (indicate the name of Bank)with the previous consent of the Government in writing.
8. This guarantee shall be valid up-to _____ unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to _____ (Rupees_____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

(Indicate the name of Bank)

Department of Archaeology and Museum, Rajasthan, Jaipur

Facade Illumination of Major Arterial Road of walled city, Jaipur including operation & Maintenance for 3 years						
PART-A - Based on PWD Electrical BSR 2013 (Electrical Cabling)						
S.No	BSR Code	Particulars	Unit	Qty.	Rate	Amount
1.0		Supply & Laying of following sizes of XLPE insulation multicore armoured cable with fine wire strand made of bare copper wires and flame retardancy according IEC 60332-1-2 and UV and weather resistant according ISO 4892-2, Taging & thimbling of the cable on each & every starting & end point of the cable. 3 core 2.5 Sq.mm.	Mtrs.	3200.00	107.00	342400.00
2.0		Supply & Laying of following sizes of XLPE insulation multicore unarmoured cable with fine wire strand made of bare copper wires and flame retardancy according IEC 60332-1-2 and UV and weather resistant according ISO 4892-2, Taging & thimbling of the cable on each & every starting & end point of the cable.				
2.1	E110105C	4 core x 16 Sq.mm.	Mtrs.	1940.00	141.00	273540.00
2.2	E110106D	4 core 25 Sq.mm.	Mtrs.	4350.00	186.00	809100.00

3.0	E150513	Maintenance free ge;l earthing with pipe in pipe /strip in pipe technology filled with anti corrosive conductive compound (CPRI Tested)below the ground in 150-200 mmdia earth pit and surrounding filled with required mineral filling compound (MFC should have hygroscopic property to retain the moisture for long time to create low resistance zone) and C.C. finished chamber covered with hinge type with locking arrangement C.I. cover C.I. Frame of size 300mmx300mm complete testing of earth resistance as required of flowing sizes with pipe in pipe technology (inner pipe dia/outer pipe dia) 80-100 micron G.I. Coating. G.I. Pipe 3000mm long, 50mm, terminal 14mm G.I. Strip	Set	28.00	9225.00	258300.00
4.0	E110102B	Supply & Laying of following sizes of XLPE insulation multicore armoured cable with fine wire strand made of bare copper wires and flame retardancy according IEC 60332-1-2, Taging & thimbling of the cable on each & every starting & end point of the cable. 3 core 4 Sq.mm.	Mtrs.	350.00	116.00	40600.00

5.0	E110103C	Supply & Laying of following sizes of XLPE insulation multicore armoured cable with fine wire strand made of bare copper wires and flame retardancy according IEC 60332-1-2 and low smoke, Taging/Thimbling/Testing/ Making necessary connections as required. complete with all respect. 4 core x 6 Sq.mm.	Mtrs.	30.00	146.00	4380.00
6.0		P/L of Double wall corrugated HDPE Pipe confirming to IS:14930 P - 1&2 with HDPE Coupler at 1 mtr. depth below the ground for laying cables including making the trench & beck filling, compaction of earth as required of gemini or IS:14930 marked make Outer dia/Inner dia.				
6.1	E120903	110/95mm	Mtr.	4000.00	200.00	800000.00
6.2	E120906	180/152 mm	Mtr.	3000.00	350.00	1050000.00

7.0	E080100	<p>SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel made out of CRCA sheet , required hardware ,duly painted by either two coats of zinc/ red oxide primer followed by two coats of synthetic enamel paint or powder coating in grey or required shade after rinsing . The panel having PU/ Neoprene rubber gasket of not less than 3mm thickness , separate detachable gland plate M.S. base channel ,hinged door with locking arrangement for equipment/switchgear . Thickness of sheet shall not be less than 1.6 mm up to 600 mm length / width of any compartment and be of 2.0 mm above 600 mm. Load bearing structure shall be of 2.0 mm thick sheet supported by base M.S. channel if required . Side walls and cable alley compartments having bolted type doors with detachable extension type structure. (only outer area on all sides shall be measured & panel to be fabricated from CPRI approved fabricator)</p>	Sq.mtr.	70.00	2752.00	192640.00
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8.0		P/Laying P.V.C. insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I of Group2 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.				
8.1	E110108D	3.5 core x 50 Sq.mm.	Mtrs.	200.00	299.00	59800.00
8.2	E110110D	3.5 core x 95 Sq.mm.	Mtrs.	200.00	523.00	104600.00
8.3	E110111D	3.5 core x 120 Sq.mm.	Mtrs.	200.00	636.00	127200.00
8.4	E110113D	3.5 core x 185 Sq.mm.	Mtrs.	1500.00	917.00	1375500.00
9.0	E223900	SITC of cutting back up surface up to 2 mtr. depth by digging by bogi including all layers of crust for laying pipeline etc. and making good original condition (excluding cost of bitumen)	Mtr.	5000.00	360.00	1800000.00
10.0		Supply, Fabricating & installing following sizes of powder coated perforated M.S. cable trays including horizontal and vertical bends, reducers tees, cross members and other accessories as required and duly suspended from the ceiling with M.S. suspenders, fastners, support etc. as required				
10.1	E120501	100mm x 50mm x 1.6mm	Mtr.	100.00	293.00	29300.00
10.2	E120502	150mm x 50mm x 1.6mm	Mtr.	100.00	361.00	36100.00
Total Part-A						7303460.00

Department of Archaeology and Museum, Rajasthan, Jaipur						
Facade Illumination of Major Arterial Road of walled city, Jaipur including operation & Maintenance for 3 years						
PART-B - Non BSR Items (Item rates)						
S.No	BSR Code	Particulars	Unit	Qty.	Rate	Amount
1.0		Supply, installation, testing and commissioning of the thermoplastic totally insulated & enclosed floor/wall mounting cubical type Feeder Pillar/Distribution Borads/ Junction Boxes (IP-65) with following properties :- UV/FIRE/ACID-Chemical Resistant and Dust/Water/Weather/ Shock Proof (IP65), incoming cable entry from bottom of panel & outgoing cables entry from bottom /left/right sides of panel as per detail design and cable entry and outgoing are only with suitable sizes of screw less glands, including with all accessories copper bus bar, din rails earth links neutral links, glands, locks, connectors, etc. complete with all respect				
1.1		Incomer-80A 4pole MCB - 1 No.	Nos.	1.00		
		Dinmounted Astronomical 1channel Timer Qty. 1No.				
		High/Low Voltage cut off relay, neutral failure protection Relay - 1No.				
		16A 1pole Contactor Switch -6No.				
		32A 4pole Contactor				

		Switch -4No.				
		80A 4pole Contactor Switch -1No.				
		Surge Protection Device Type-2-1 no.				
		80A bypass switch -1no.				
		RYB led indicators, 3Phase - 1no.				
		Volts/amp digital meters -1No.				
		Outgoing : 16A single Pole MCB -6 Nos.				
		Outgoing : 32A 4 Pole MCB -4 Nos.				
		1 Channel astronomical timmer -1 nos.				
		2 Channel astronomical timmer -1Nos.				
1.2		Incomer: 32A 4pole mcb -1No.	Nos.	4.00		
		Suge Protection Device Type-3 -1no.				
		Outgoing: 16A 4 pole mcb -1nos.				
		Outgoing: 10A 4 pole mcb -3nos.				
1.3		Incomer: 16A 4pole mcb -1no.	Nos.	3.00		
		Suge Protection Device Type-3 -1no.				
		Outgoing: 10A 4 pole mcb -4nos.				
1.4		Incomer: 16A 4pole mcb -1no.	Nos.	2.00		
		Suge Protection Device Type-3 -1no.				
		Outgoing: 10A 4 pole mcb -12nos.				
1.5		Incomer 16A 4Pole MCB -1No.	Nos.	4.00		
		Outgoing : 10A single pole MCB -5Nos.				
1.6		Incomer: 10A 4pole mcb-1no. Outgoing: 6A single pole mcb -7nos.	Nos.	27.00		

2.0		Supply, installation, testing and commissioning of the Termination junction box (IP65) with terminal block, glands and complete with all accessories (IP65)				
2.1		incoming cable- 1X 3C 2.5sqmm XLPE copper cable Outgoing Cable- 1-5nos. X 3C 2.5sq mm XLPE copper cable	Nos.	275.00		
2.2		incoming cable- 1X 5C 2.5sqmm XLPE copper cable Outgoing Cable- 1-5nos. X 3C 2.5sq mm XLPE copper cable	Nos.	105.00		
2.3		Incoming cable- 1X 4C 35sqmm XLPE aluminium unarmoured cable Outgoing Cable- 4 X 4C 25sq mm XLPE aluminium unarmoured cable	Nos.	1.00		
2.4		incoming cable- 1X 3C 2.5sqmm XLPE copper cable Outgoing Cable- 1-5nos. X 3C 1.5sq mm XLPE copper cable	Nos.	590.00		
2.5		Incoming cable- 1X 4C 35/50sqmm XLPE aluminium unarmoured cable Outgoing Cable- 4 X 4C 16/25/35sq mm XLPE aluminium unarmoured cable	Nos.	2.00		

ELECTRICAL CABLING					
3		Supply & laying of following sizes of XLPE insulation multi core unarmoured cable with fine wire strand made of bare copper wires and flame retardancy according IEC 60332-1-2 and low smoke, Taging & thimbling of the cable on each & every starting & end point of the cable. 1Core 4sq mm	Mtrs.	8010.00	
4		Supply & laying of following sizes of XLPE insulation multi core armoured cable with fine wire strand made of bare copper wires and flame retardancy according IEC 60332-1-2 and UV and Weather resistant according ISO 4892-2 , Taging & thimbling of the cable on each & every starting & end point of the cable. 3 Core 1.5sq mm	Mtrs.	4300.00	
5.0		Supply & laying of following sizes of XLPE insulation multi core unarmoured cable with wire strand made of copper conductor and flame retardancy according IEC 60332-1-2 and low smoke, Taging & thimbling of the cable on each & every starting & end point of the cable.			
5.1		5Core 1.5 sqmm	Mtrs.	300.00	
5.2		5Core 2.5 sqmm	Mtrs.	5724.00	
5.3		5Core 4.0 sqmm	Mtrs.	1015.00	

6.0		Supply & laying of following sizes of XLPE insulation multi core unarmoured cable with fine wire strand made of aluminium wires and flame retardancy according IEC 60332-1-2 and UV and Weather resistant according ISO 4892-2 , Taging & thimbling of the cable on each & every starting & end point of the cable.				
6.1		4Core 35sq mm	Mtrs.	1460.00		
6.2		4Core 50sq mm	Mtrs.	320.00		
7.0		Supply,installation, testing and commissioning of the servo voltage steplizer for outdoor application as per followingratings, 3phase, copper winding, 50HZ frequency, Unbalanced input voltage and unbalanced load, Volt/ampere meter CT's, input voltage range- 365V-460V, output voltage range-380V-420V adjustable, Outdoor Type.				
7.1		3KVA	Nos.	1.00		
7.2		5KVA	Nos.	1.00		
7.3		20KVA	Nos.	2.00		
7.4		50KVA	Nos.	3.00		

8.0		Supply, installation, testing and commissioning of the thermoplastic totally insulated & enclosed floor/wall mounting cubicle type Feeder Piller /Distribution Boards/Junction Boxes(IP 65) with following properties :- UV /Fire/Acid-Chemical Resistant and Dust/Water/Weather/ Shock Proof (IP65), incoming cable entry from bottom of panel & outgoing cables entry from bottom/left/right sides of panel as per detail design and cable entry and outgoing are only with suitable sizes of screw less glands , including with all accessories copper bus bar, din rails, earth links, neutral links, glands, locks, connectors , etc.Complete with all respects				
8.1		Incomer-32A 4pole MCB -1Nos.,	Nos.	1.00		
		Dinmounted Astronomical 1channel Timer Qty - 1Nos.				
		High/low voltage cutoff Relay, Neutral Failure protection Relay, - 1Nos.				
		32A 4pole Contactor Switch -1Nos.				
		Surge Protection Device Type-2 - 1Nos.				
		32A. bypass switch -				

		1Nos.,				
		R/Y/B led indicators, 3phase -1 Nos.				
		Volts/amp digital meters - 1 Nos.				
		Outgoing : 16A single pole MCB -2nos.				
		Outgoing : 10A single pole MCB -1Nos.				
		Outgoing : 6A single pole MCB -9nos.				
		Dinmounted Astronomical 1 channel Timer Qty - 1Nos.				
		Dinmounted Astronomical 2 channel Timer Qty - 1Nos.				
		16A single pole Contactor Switch -2nos.				
		10A single pole Contactor Switch - 1Nos.				
		6A single pole Contactor Switch -9nos.				
8.2		Incomer-25A 4pole MCB -1Nos.,	Nos.	1.00		
		Dinmounted Astronomical 1channel Timer Qty - 1Nos.				
		High/low voltage cutoff Relay, Neutral Failure protection Relay, - 1Nos.				
		25A 4pole Contactor Switch -1Nos.				
		Surge Protection Device Type-2 - 1Nos.				
		25A. bypass switch - 1Nos.,				
		R/Y/B led indicators, 3phase -1 Nos.				
		Volts/amp digital meters - 1 Nos.				
		Outgoing : 10A single pole MCB -4nos.				
		Outgoing : 6A single				

		pole MCB -8Nos.				
		Dinmounted Astronomical 1 channel Timer Qty - 1Nos.				
		Dinmounted Astronomical 2 channel Timer Qty - 1Nos.				
		10A single pole Contactor Switch -4nos.				
		6A single pole Contactor Switch -8nos.				
8.3		Incomer-25A 4pole MCB -1Nos.,	Nos.	1.00		
		Dinmounted Astronomical 1channel Timer Qty - 1Nos.				
		High/low voltage cutoff Relay, Neutral Failure protection Relay, - 1Nos.				
		25A 4pole Contactor Switch -1Nos.				
		Surge Protection Device Type-2 - 1Nos.				
		25A. bypass switch - 1Nos.,				
		RYB led indicators, 3phase -1 Nos.				
		Volts/amp digital meters - 1 Nos.				
		Outgoing : 16A single pole MCB -4nos.				
		Outgoing : 6A single pole MCB -8Nos.				
		Dinmounted Astronomical 1 channel Timer Qty - 1Nos.				
		Dinmounted Astronomical 2 channel Timer Qty - 1Nos.				
		16A single pole Contactor Switch -4nos.				
		6A single pole Contactor Switch -8nos.				
8.4		Incomer-32A 4pole MCB -1Nos.,	Nos.	1.00		

		Dinmounted Astronomical 1channel Timer Qty - 1Nos.				
		High/low voltage cutoff Relay, Neutral Failure protection Relay, - 1Nos.				
		32A 4pole Contactor Switch -1Nos.				
		Surge Protection Device Type-2 - 1Nos.				
		32A. bypass switch - 1Nos.,				
		RYB led indicators, 3phase -1 Nos.				
		Volts/amp digital meters - 1 Nos.				
		Outgoing : 32A 4pole MCB -1Nos.				
		Outgoing : 6A single pole MCB -18nos.				
		Dinmounted Astronomical 1 channel Timer Qty - 1Nos.				
		Dinmounted Astronomical 2 channel Timer Qty - 1Nos.				
		32A 4pole Contactor Switch -1nos.				
		6A single pole Contactor Switch -18nos.				
8.5		Incomer:16A 4pole MCB - 1Nos., Outgoing: 16A single MCB - 4nos. Outgoing: 6A 4pole MCB - 8nos.	Nos.	2.00		
8.6		Incomer:10A 4pole MCB - 1Nos., Outgoing: 10A single pole MCB - 4nos. Outgoing: 6A single pole MCB - 8nos.	Nos.	1.00		
8.7		Incomer: 32A 4pole MCB-1Nos. Outgoing: 10A single pole MCB -7nos.	Nos.	1.00		

9.0		Junction Boxes				
9.1		Supply, installation, testing and commissioning of the thermoplastic totally insulated & enclosed floor/wall mounting Junction Boxes (IP 65) with following properties :-UV /Fire/Acid-Chemical Resistant and Dust/Water/Weather/ Shock Proof (IP65), incoming cable entry from Left/Right/Bottom side and Outgoing cables Bottom/Left/Right sides of JB site requirements. cable entry and outgoing are only with suitable sizes of screw less glands , including with all accessories din rails, earth links, neutral links, glands, locks, connectors , etc.Complete with all respects ,				
9.2		Incoming cable- 1X 5C 2.5Sq.mm XLPE copper cable Outgoing Cable- 1-5nos. X 3C 1.5Sq.mm XLPE copper cable	Nos.	50.00		
9.3		Incoming cable- 1X 3C 4.0Sq.mm XLPE copper cable Outgoing Cable- 1-5nos. X 3C 1.5Sq.mm XLPE copper cable	Nos.	12.00		

CONDUITING						
10.0		Supply & fixing of following sizes of GI conduit along with all fixing accessories , bends, sedal clamps, T junction, 2way/3way junction boxes, couplers, screws, PVC fastener etc.				
10.1		Supply & Laying of 50mm Dia A-Class 16 Gauge Galvanized Pipe	Mtrs.	5740.00		
10.2		Supply & Laying of 75mm Dia A-Class 14 Gauge Galvanized Pipe	Mtrs.	3996.00		
11.0		Supply,installation, testing and commissioning of the following totally enclosed,floor/wall mounting cubicle type panels/DBs/Junction Box (IP65), incoming cable entry from bottom of panel & outgoing cables entry from both sides of panel, including with all accessories bus bar, din rail, earth link, neutral link, glands, locks etc.				
11.1		Incomer-80A 4pole MCB -1no.,	Nos.	1.00		
		Dinmounted Astronomical 1channel Timer Qty - 1no.				
		High/low voltage cutoff Relay, Neutral Faluire protection Relay, - 1no.				
		16A 1pole Contactor Switch -6no.				
		25A 4pole Contactor Switch -3no.				

		32A 4pole Contactor Switch -2no.				
		80A 4pole Contactor Switch -1no.				
		Surge Protection Device Type-2 - 1no.				
		80A. bypass switch - 1no.,				
		RYB led indicators, 3phase -1 no.				
		Volts/amp digital meters - 1 no.				
		Outgoing : 32A 4pole mcb -2nos.				
		Outgoing : 25A 4pole mcb -3nos.				
		Outgoing : 16A 1pole mcb -6nos.				
		1 channel astronomical timmer-1nos.				
		2 channel astronomical timmer-1nos.				
11.2		Incomer-80A 4pole MCB -1no.,	Nos.	1.00		
		Dinmounted Astronomical 1channel Timer Qty - 1no.				
		High/low voltage cutoff Relay, Neutral Failure protection Relay, - 1no.				
		16A 1pole Contactor Switch -6no.				
		25A 4pole Contactor Switch -4no.				
		32A 4pole Contactor Switch -1no.				
		80A 4pole Contactor Switch -1no.				
		Surge Protection Device Type-2 - 1no.				
		80A. bypass switch - 1no.,				
		RYB led indicators, 3phase -1 no.				
		Volts/amp digital meters - 1 no.				

		Outgoing : 32A 4pole mcb -1nos.				
		Outgoing : 25A 4pole mcb -4nos.				
		Outgoing : 16A 1pole mcb -6nos.				
		1 channel astronomical timmer-1nos.				
		2 channel astronomical timmer-1nos.				
11.3		Incomer:32A 4pole mcb -1no., Surge Protection Device Type-3 - 1no. Outgoing: 10A 4pole mcb - 3nos. Outgoing: 16A 4pole mcb - 1nos.	Nos.	2.00		
11.4		Incomer: 25A 4pole mcb -1no., Surge Protection Device Type-3 - 1no. Outgoing: 10A 4pole mcb - 4nos. Outgoing: 16A 4pole mcb - 1nos.	Nos.	5.00		
11.5		Incomer: 25A 4pole mcb -1no., Surge Protection Device Type-3 - 1no. Outgoing: 10A 4pole mcb - 5nos.	Nos.	6.00		
11.6		Incomer: 16A 4pole mcb -1no., Surge Protection Device Type-3 - 1no. Outgoing: 10A 4pole mcb - 5nos.	Nos.	4.00		
11.7		Incomer:16A 4pole mcb -1no., Surge Protection Device Type-3 - 1no. Outgoing: 10A single pole mcb - 12nos.	Nos.	4.00		
11.8		Incomer: 16A 4pole mcb-1no. Outgoing: 10A single pole mcb -7nos.	Nos.	6.00		

11.9		Incomer: 10A 4pole mcb-1no. Outgoing: 6A single pole mcb -7nos.	Nos.	78.00		
12.0		Supply, installation, testing & commissioning of led round/square flood light with following specifications: luminaire output 15000 lumens, 10 degree beam angle, 2700 ± 300 degree kelvin color temperature, antiglare snoot, IP66, complete with integrated power supply & installation clamp etc. (approved brands - Bega, Osram, Iguzzini, Zumtobel, PHILIPS OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	5.00		
13.0		Supply, installation, testing & commissioning of led round/square flood light with following specifications: luminaire output 7500 lumens, 10 degree beam angle, 2700 ± 300 degree kelvin color temperature, antiglare snoot, IP66, complete with integrated power supply & installation clamp etc. (approved brands - Bega, Osram, Iguzzini, Zumtobel, PHILIPS OR EQUIVELENT MAKE WITH ISI	nos.	73.00		

		SPECIFICATIONS) (luminaire & attachments to be approved by consultants)				
14.0		Supply, installation, testing & commissioning of led round/square flood light with following specifications: luminaire output 7500 lumens, 10 degree beam angle, 3000 degree kelvin color temperature, antiglare snoot, IP66, complete with integrated power supply & installation clamp etc. (approved brands - Bega, Osram, Iguzzini, Zumtobel, PHILIPS OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	21.00		
15.0		Supply, installation, testing & commissioning of led round/square flood light with following specifications: luminaire output 7500 lumens, 10 degree beam angle, 3300 degree kelvin color temperature, antiglare snoot, IP66, complete with integrated power supply & installation clamp etc. (approved brands - Bega, Osram, Iguzzini, Zumtobel, PHILIPS OR	nos.	25.00		

		EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)				
16.0		Supply, installation, testing & commissioning of led round/square flood light with following specifications: luminaire output 1000 lumens, 20 degree beam angle, blue color, antiglare snoot, IP66, complete with integrated power supply & installation clamp etc. (approved brands - Bega, Osram, Iguzzini, Zumtobel, PHILIPS OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	3.00		
17.0		Supply, installation, testing & commissioning of 900mm long rigid linear led up lighter with following specifications: luminaire output 1500 lumens, 10 x 50 degree beam angle, 2700 ± 300 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands- Traxon of Osram, Color Kinetics of Philips,	nos.	90.00		

		Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)				
18.0		Supply, installation, testing & commissioning of 600mm long rigid linear led up lighter with following specifications: luminaire output 1200 lumens, 30 degree beam angle, 2700 ± 300 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands- Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	230.00		
19.0		Supply, installation, testing & commissioning of 300mm long rigid linear led up lighter with following specifications: luminaire output 500 lumens, 10 x 50 degree beam angle, 2700 ± 300 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc.	nos.	212.00		

		(approved brands- Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini,OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)				
20.0		Supply, installation, testing & commissioning of flexible linear side emitting led modules with following specifications: luminaire output 600 lumens, assymetric optics, 2700 ± 300 degree kelvin color temperature, IP66, complete with non integrated power supply & installation profile, clamp etc. (Osram, Philips, Led Linear, KKDC) (luminaire & attachments to be approved by consultants)	mtr.	871.00		
21.0		Supply, installation, testing & commissioning of 900mm long rigid linear led up lighter with following specifications: luminaire output 1500 lumens, 10 x 50degree beam angle, 2700 ± 300 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands- Traxon of Osram,Color	nos.	470.00		

		Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)				
22.0		Supply, installation, testing & commissioning of 900mm long rigid linear led up lighter with following specifications: luminaire output 1500 lumens, 10 degree beam angle, 2700 ± 300 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands- Traxon of Osram, Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	60.00		
23.0		Supply, installation, testing & commissioning of 600mm long rigid linear led up lighter with following specifications: luminaire output 1500 lumens, 10 x 50 degree beam angle, 3000 degree kelvin color temperature, IP66, complete with integrated power supply	nos.	98.00		

		& installation clamp etc.(approved brands-Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)				
24.0		Supply, installation, testing & commissioning of 300mm long rigid linear led up lighter with following specifications: luminaire output 750 lumens, 10 x 50 degree beam angle, 3000 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands-Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	76.00		
25.0		Supply, installation, testing & commissioning of 900mm long rigid linear led up lighter with following specifications: luminaire output 1500 lumens, 10 x 50 degree beam angle, 3300 degree kelvin color	nos.	159.00		

		temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands-Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)				
26.0		Supply, installation, testing & commissioning of 600mm long rigid linear led up lighter with following specifications: luminaire output 1500 lumens, 10 x 50 degree beam angle, 3300 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands-Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	456.00		

27.0		Supply, installation, testing & commissioning of 900mm long rigid linear led up lighter with following specifications: luminaire output 3000 lumens, 30 x 60 degree beam angle, 4000 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands- Traxon of Osram, Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	69.00		
28.0		Supply, installation, testing & commissioning of led round flood light with following specifications: luminaire output 7500 lumens, 30 degree beam angle, 2700 ± 300 degree kelvin color temperature, antiglare snoot, IP66, complete with integrated power supply & installation clamp etc. (approved brands - Bega, Osram, Iguzzini, Zumtobel, PHILIPS OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	Nos.	31.00		

29.0		Supply, installation, testing & commissioning of flexible linear side emitting led modules with following specifications: luminaire output 600 lumens, assymetric optics, 2700 ± 300 degree kelvin color temperature, IP66, complete with non integrated power supply & installation profile, clamp etc. (Osram, Philips, Led Linear, KKDC, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	Nos.	55.00		
30.0		Supply, installation, testing & commissioning of deep wall mounted led down lighter with following specifications: luminaire output 600 lumens, 10 degree beam angle, 2700 ± 300 degree kelvin color temperature, IP66, complete with non integrated power supply & installation, clamp etc. (approved brands-Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	Nos.	25.00		

31.0		Supply, installation, testing & commissioning of 900mm long rigid linear led up lighter with following specifications: luminaire output 1500 lumens, 30 degree beam angle, 2700 ± 300 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands-Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	Nos.	13.00		
32.0		Supply, installation, testing & commissioning of 600mm long rigid linear led up lighter with following specifications: luminaire output 1000 lumens, 10 x 30 degree beam angle, 2700±300 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands-Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	Nos.	84.00		

33.0		Supply, installation, testing & commissioning of 300mm long rigid linear led up lighter with following specifications: luminaire output 750 lumens, 10 x 50 degree beam angle, 2700 ±300 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands-Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	Nos.	432.00		
34.0		Supply, installation, testing & commissioning of 1000mm long rigid linear led up lighter with following specifications: luminaire output 500 lumens, 30 x 60 degree beam angle, 2700 ± 300 degree kelvin color temperature, IP66, complete with non integrated power supply & installation clamp etc. (approved brands-Osram, Philips, Led Linear, KKDC, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	Nos.	1630.00		

35.0		Supply, installation, testing & commissioning of 1000mm long rigid linear led up lighter with following specifications: luminaire output 500 lumens, diffused optics, 2700 ±300 degree kelvin color temperature, IP66, complete with non integrated power supply & installation clamp etc. (approved brands-Osram, Philips, Led Linear, KKDC, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	Nos.	682.00		
36.0		Supply, installation, testing & commissioning of 900mm long rigid linear led up lighter with following specifications: luminaire output 1500 lumens, 10 degree beam angle, 3000 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands-Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	Nos.	85.00		
37.0		Supply, installation, testing & commissioning of 600mm long rigid linear led up lighter with following specifications:	Nos.	25.00		

		luminaire output 1000 lumens, 10 degree beam angle, 3000 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands- Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)				
38.0		Supply, installation, testing & commissioning of 300mm long rigid linear led up lighter with following specifications: luminaire output 750 lumens, 10 degree beam angle, 3000 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands- Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini , OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	Nos.	66.00		

39.0		Supply, installation, testing & commissioning of 900mm long rigid linear led up lighter with following specifications: luminaire output 1500 lumens, 10 x 50 degree beam angle, pink color, IP66, complete with integrated power supply & installation clamp etc. (approved brands- Traxon of Osram, Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	52.00		
40.0		Supply, installation, testing & commissioning of 300mm long rigid linear led up lighter with following specifications: luminaire output 750 lumens, 10 x 50 degree beam angle, pink color, IP66, complete with integrated power supply & installation clamp etc. (model number OSRAM TRAXON NANO Linear Allegro AC XB 9 or like of philips, bega, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	46.00		

41.0		Supply, installation, testing & commissioning of customised decorative bollard lights as per the drawing (drawing no-luc/p.c/bld01)	nos.	61.00		
42.0		Supply, installation, testing & commissioning of customised decorative postop lights as per the drawing (drawing no-luc/p.c/pld01)	nos.	5.00		
43.0		Supply, installation, testing & commissioning of led round/square flood light with following specifications: luminaire output 7500 lumens, 10 x 50 degree beam angle, pink color, antiglare snoot, IP66, complete with integrated power supply & installation clamp etc. (approved brands - Bega, Osram, Iguzzini, Zumtobel, PHILIPS OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)	nos.	112.00		

44.0		Supply, installation, testing & commissioning of decorative street light pole with following specifications: 12 meter high MS pole as per the drawing, 2 nos of decorative street lights on each pole (drawing no-luc/p.c/pl01), each decorative street light shall be 10000 to 15000 lumens and should be able to meet the following parameters: pole to pole spacing 25 meters, Eav (average lux)=20 lux, Emin (minimum lux)=12 lux, Ratio of Emin to Emax = .4 (approved brands - Bega, Osram, Iguzzini, Zumtobel, PHILIPS OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants) (Drawing No. LUC/PC/PL01)	nos.	64.00		
45.0		Supply, installation, testing & commissioning of 300mm long rigid linear led up lighter with following specifications: luminaire output 750 lumens, 10 x 50 degree beam angle, 3300 degree kelvin color temperature, IP66, complete with integrated power supply & installation clamp etc. (approved brands-	nos.	43.00		

		Traxon of Osram,Color Kinetics of Philips, Zumtobel, Iguzzini, OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants)				
46.0		Supply, installation, testing & commissioning of customised decorative wall lights as per the drawing (drawing no-luc/p.c/wld01)	nos.	8.00		
47.0		Supply, installation, testing & commissioning of decorative street light pole with following specifications: same as existing design of the pole only at johri bazar road, jaipur. 2 nos of decorative street lights on each pole, each decorative street light shall be 10000 to 15000 lumens and should be able to meet the following parameters: pole to pole spacing 38 meters, Eav (average lux)=30 lux, Emin (minimum lux)=15 lux, Ratio of Emin to Emax = .3 (approved brands - Bega, Osram, Iguzzini, Zumtobel, PHILIPS OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by	nos.	10.00		

		consultants) (pole material & finishes to be approved by consultants)				
48.0		Supply, installation, testing & commissioning of decorative street lights on existing pole on johri bazar road, jaipur with following specifications: 2 nos of decorative street lights on each pole, each decorative street light shall be 10000 to 15000 lumens and should be able to meet the following parameters: pole to pole spacing 38 meters, Eav (average lux)=30 lux, Emin (minimum lux)=15 lux, Ratio of Emin to Emax = .3 (approved brands - Bega, Osram, Iguzzini, Zumtobel, PHILIPS OR EQUIVELENT MAKE WITH ISI SPECIFICATIONS) (luminaire & attachments to be approved by consultants) (pole material & finishes to be approved by consultants)	nos.	54.00		
49.0		Making jhiri in wall for laying the conduit/wire/cable and making the same good etc. as required complete in all respect	R/Mtr.	8000.00		

50.0		Dismantling of stone flooring/coble stone flooring and pcc of Lime/cement mortar and excavation of trench after laying of cable/wire/pipe. The same coble stone/floor stone should be fixed as it is in original position by lime/cement mortar in good condition.	R/Mtr.	7000.00		
Total Part-B						