



OFFICE OF THE CHIEF EXECUTIVE OFFICER, SHRI MATA VAISHNO DEVI SHRINE BOARD,
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e-NIT No. SMVDIME/EE/e-T/04/976 Dated: 20.09.2021

For and on behalf of the Chairman SMVD Shrine Board, Katra, the Chief Executive Officer, SMVD Shrine Board, Katra, invites sealed item rate bids through E-Tendering from reputed and experienced contractors/ Firms registered with J&K U.T. Government / Central Government for the followings work: -

S. No.	Description of work	Estimated Cost (in Lac)	EMD 2% (in lacs)	Stipulated Time of Completion
1.	Construction of Ayushman Bharat Wards in the Premises of SMVDIME, Kakryal, Katra.	Rs. 123.00	Rs. 2.50	04 calendar months from the date of Award.

The e-NIT consisting of qualifying information, eligibility criteria, specifications, bill of quantities, (B.O.Q), set of Terms & Conditions of contract and other details can be seen/downloaded from <http://jktenders.gov.in> and / or SMVDSD website www.maavaishnodevi.org as per following timelines:-

Publishing Date	:	20.09.2021 at 04:00 PM
Download Start Date	:	20.09.2021 at 04:00 PM
Bid Submission Start Date	:	21.09.2021 at 10:00 AM
Bid Submission End Date (Online)	:	10.10.2021 at 03:00 PM
Date of Opening of Technical Bid (Online)	:	11.10.2021 at 11:30 AM
Date of Opening of Financial Bid (Online)	:	Shall be intimated to the Technically Qualified Bidders

The e-Tender must be uploaded with stipulated amount of earnest money which can be deposited in the official account of Shri Mata Vaishno Devi Shrine Board Branch J&K Bank Katra, Account No. 0235040500001804, IFSC-JAKA0KATTRA through RTGS/NEFT or it can be in the shape of CDR/FDR/TDR0 drawn from Nationalized/Scheduled schedule bank pledge to CAO of Shri Mata Vaishno Devi Shrine Board. The bidder shall mention UTR No. in the prescribed Financial Bid Form.

The Tender Fee of Rs. 5,000/- (Non-Refundable) shall be deposited in the official account of Shri Mata Vaishno Devi Shrine Board Branch J&K Bank Katra, Account No. 0235040500001804, IFSC - JAKA0KATTRA through RTGS/NEFT. The bidder shall mention UTR No. in the prescribed Financial Bid Form.

OR

The scanned copy of the EMD and Tender Fee shall be uploaded online along with the other documents and the original copy shall have to be deposited within 07 days or before the issuance of LOA, whichever is earlier.

Complete bidding process shall be done online on E-Tender Portal www.jktenders.gov.in.

The tenders should be submitted strictly in accordance with the provisions of the detailed E-NIT. **No Proposal will be accepted in physical form unless & until it is submitted online as per the terms & conditions of the NIT.**

Sd/

**(Vishavjeet Singh), KAS
Dy. Chief Executive Officer
Shri Mata Vaishno Devi Shrine Board, Katra**

BRIEF INDRODUCTION

The Holy Shrine of Shri Mata Vaishno Devi, located at an altitude of 5200 ft. in the Reasi district of Jammu & Kashmir, is among the most popular pilgrimages of our country. Shri Mata Vaishno Devi Shrine Board (SMVDSB) set up as an Autonomous Organization, through a Statute in 1986, is chaired by His Excellency the Lt. Governor of U.T. of Jammu & Kashmir. The main objective of the Board is to provide for the better management, administration and governance of Shri Mata Vaishno Devi Shrine.

The Shrine Board, since its inception, has continuously strived hard to provide all possible facilities to the devotees visiting the Holy Shrine. Efforts are on to further improve the facilities for visiting pilgrims, in order to make the pilgrimage a safe, comfortable and pleasurable experience. As a part of health facilities, Shri Mata Vaishno Devi Shrine Board has setup a Multispeciality Hospital at Kakryal at an approx. distance of 08 Kms. from the Holy Town of Katra, which is at present manage by the Narayana Health, an Indian chain of multispeciality hospitals, under the overall supervision of SMVDSB.

As a part of Health Care Facilities, the Govt. of India has launched Ayushman Bharat Yojna in 2018 and extended the Sehat Health Insurance scheme under Ayushman Bharat in U.T. of J&K. The most important feature of this Scheme is that every citizen of Jammu and Kashmir despite their financial status will be covered under SEHAT Health Insurance Scheme and the government will bear the expenses of treatment of the citizen up to Rs.5.00 lakh. Recently, the Govt. has also empaneled, Shri Mata Vaishno Devi Narayana Superspeciality Hospital Katra for providing the benefits under the scheme to all the beneficiaries. In order to extend the Medical Facilities to the beneficiaries under Ayush Bharat Scheme, a space has been identified at Ground Floor of the existing Shopping Complex at SMVDIME for creation of an Ayushman Bharat Ward having 41 beds, 03 Nos. Isolation rooms (Air Lock) including Oxygen Bank, Record Room, Store, Medical / Nurse Chain\, reception / Billing, Waiting Area and separate toilet for Male / Female.

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INSTRUCTION TO BIDDERS REGARDING E-TENDERING PROCESS- SECTION-1

- 1.1 The interested bidder can download the E-NIT / bidding document from the website www.jktenders.gov.in / official website www.maavaishnodevi.org.
- 1.2 To participate in bidding process, bidders have to get (DSC) “Digital Signature Certificate” as per information Technology Act-2000, to participate in online bidding process. This certificate will be required for digitally signing the bid. Bidders can get above mentioned digital certificate from any approved vendor.
- 1.3 The Bidder, who already possess valid (DSC) Digital Signature Certificates, need not to procure new Digital Signature Certificate.
- 1.4 The Technical Bids shall be opened online.
- 1.5 Financial Bid of technically qualified bidders shall be opened online, the date and time shall be communicated to them separately.
- 1.6 The bidders have to submit their bids online in electronic format with Digital Signature. The bids cannot be uploaded without Digital Signature. No Proposal will be accepted in physical form.
- 1.7 Bids will be opened online as per scheduled time mentioned in the E-NIT document.
- 1.8 Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been attached with bid.
- 1.9 The SMVDSB will not be responsible for any delay in online submission of bids whatsoever reasons may be.
- 1.10 All the required information for bid must be filled and submitted online.
- 1.11 Bidders should submit the scanned copies of receipt of cost of tender documents & EMD as specified in the tender documents through email before the opening of technical bid.
- 1.12 Bidders are advised to use “My Documents” area in their user on <http://jktenders.gov.in>, e-tendering portal to store important documents like Balance sheet, GST Registration Certificate, Tax Clearance Certificate, IT certificate, Manufactures authorization and other related documents etc., and attach these certificates as Non-Statutory documents while submitting their bids.
- 1.13 Bidders are advised not to make any change in BOQ (Bill of Quantities) contents or its name. In no case they should attempt to create similar BOQ manually. The BOQ downloaded should be used for filling the item rate as prescribed and it should be saved with the same as it contains.
- 1.14 Bidders are advised to scan their documents at 100 DPI (Dots per Inch) resolutions with Black and White, PDF / Scan properly.
- 1.15 The guidelines for submission of bid online can be downloaded from the website <http://www.jktenders.gov.in> and www.maavaishnodevi.org.
- 1.16 The tenderer should carefully study the E-NIT document and prepare his tender with consideration of all provisions of the document. They should fully acquaint themselves with site conditions and all other factors which may influence preparation of his tender.
- 1.17 Bidder should be ready with the Original Copies of documents, EMD as uploaded online as specified in the tender documents. The original copies of documents,

EMD and relevant documents be submitted to the tender inviting authority within seven days after opening of financial bid, in the event of non-compliance the Bidder will be rejected and the bidder will not be allowed to participate in any further/future tendering process in the Division for a period of One year.

- 1.18** The Original Documents, submitted by L-1 should be same as uploaded on-line (scanned copies) otherwise the allotment will not be issued, the tenders will be cancelled and the bidders will not be allowed to participate in any further/future tendering process in the Division for a period of One year.
- 1.19** The detail of cost of documents, EMD specified in the tender documents should be the same as submitted online (Scanned copies) otherwise bid will not be accepted.
- 1.20** The successful Bidder/Contractor should ensure that the awarded work be started within 07 days of Letter of Award. The Letter of Award will send through E-Mail to the Contractor by the Authority or it can be collected from the Office Chief Executive Officer, SMVDSB, Katra.
- 1.21** If the Contractor fails to start the work within 07 days of issuance of LOA. It shall be revoked without any notices to the contractor/firm. In such an event the security deposit of the Contractor shall be forfeited. SMVDSB reserves the right to offer the work to L2 at the approved rates or it can be retendered.
- 1.22** The Contractor shall have to take e-photographs of each work before execution, during execution and after completion of work.
- 1.23** The Contractor has to pay for all the Quality Test Checks under taken by Engineer-In-Charge of SMVDSB.

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DETAILED TERMS AND CONDITIONS - SECTION 2

- 2.1 Eligibility Criteria (Part-I):** The Part-I shall contain the complete documents as per **Annexure- “A”** to meet the eligibility criteria as per the following credentials: -
- 2.1.1** The Bidder must be Firm/Company/Proprietary ship firm registered under appropriate authorities (**attested copies of the relevant registration certificates including certificate of incorporation to be attached**).
- 2.1.2** Each bidder shall submit only one bid against eNIT. The Bidder submitting multiple bids shall be out rightly rejected.
- 2.1.3** The Bidders **should** mention their complete name, address and core business in the tender. If the authorized person is signing the documents he must be legally authorized.
- 2.1.4** Detail of Technical and Non-Technical manpower to be deployed must be attached. The technical manpower should have adequate qualification/experience in the relevant field. The Project Manager/ Resident Engineer shall be Graduate in Civil/Mechanical Engineering with minimum 5 years of experience. (**the details are to be attached as per the Annexure- “B”**).
- 2.1.5** The Agency shall be a profitable entity and shall not have incurred losses in any of the last 03 consecutive financial years (2018-19, 2019-20, 2020-21) and the firm shall have average annual financial turnover atleast 30% of the estimated cost of related work during the last 05 years, ending 31st March of the previous financial year. (**attested copies of Audited Balance Sheets & Profit & Loss statement, duly certified by the Chartered Accountant, are to be attached by the Bidder**).
- 2.1.6** The bidders shall have professional experience in execution of similar work with any of the Central Govt. / State Govt. / PSUs / Reputed Organizations. The parties uploading bidder must have executed the similar nature of works in following manners: -
- (i)** Atleast one work of similar nature of the value of 80% of the estimated cost of during the last 05 years; **OR**
 - (ii)** Atleast two works of similar nature of the value of 50% of the estimated cost of during the last 05 years; **OR**
 - (iii)** Atleast three works of similar nature of the value of 40% of the estimated cost of during the last 05 years.

(Attested copies of the documentary proof including the relevant Letter of Award(s) and Completion Certificates including value of work done in support of the above requisite criteria must be submitted by the tenderer, in absence of which the bid shall not be considered).

- 2.1.7** The Bidder shall submit the detail of equipment or components required for the construction of Ayushman Bharat Ward. (**Bidder shall also certify the acquisition of the same i.e. owned, lease or hire etc.**)
- 2.1.8** The bidders shall have to give an undertaking to the effect that the Firm has not been black listed / holiday listed anytime in the past by any Country / Semi Government Agency/PSU/State Govt./Central Govt./Autonomous Bodies/MNCs etc., duly attested by Judicial / Executive Magistrate / Notary. Each participating bidders shall have to undertake that all document attached herewith are true and in the event of any illegally noticed at any stage, the LOA shall be revoked, security deposit forfeited. The remaining work shall be got executed at the risk and cost of the firm besides debarring it for future participation in tender process of SMVDSB for five years.
- 2.1.9** A Solvency Certificate from the banker of Bidder to be submitted for credit worthiness of the firm.

2.2 GENERAL CONDITIONS

- 2.2.1** A sum of Rs.2.50 Lacs (Rupees Two Lac Fifty Thousand only) as Earnest Money Deposit (EMD) can either be deposited in the official account of Shri Mata Vaishno Devi Shrine Board Branch J&K Bank Katra, Account No. 0235040500001804, IFSC: JAKA0KATTRA through RTGS/NEFT or it can be in the shape of CDR/FDR/TDR drawn from Nationalized/Schedule Bank duly pledged to Chief Accounts Officer, SMVDSB. The tender not accompanied with Earnest Money deposit shall be rejected. EMD of successful tenderer shall be released on submission of PBG @5% of the estimated cost, whereas, the Earnest Money deposit of unsuccessful tenderer(s) will be released after the Notice/Letter of Award of work is issued in favor of successful tenderer.
- 2.2.2** The tenderer shall submit the Bid online in electronic format with Digital Signature in Two Bid format: the first part as “TECHNICAL BID” which shall contain all relevant techno/commercial details notified through e-NIT. The financial Bid shall be submitted separately in Part II as “FINANCIAL BID”.
- 2.2.3** The tenderer shall not be entitled, during the period of validity of their tender, to revoke or withdraw their tenders or vary or modify any of the condition originally contained in the E-Tender. In case of a tenderer revoking or withdrawing his tender or varying any term in regard thereof, the SMVDSB shall forfeit his Earnest Money submitted with his E-Tender.
- 2.2.4** The Shrine Board reserves the right to reject, accept or prefer any E-Tender in part or full without assigning any reason whatsoever at any stage and also reserves the right to re-invite the E-Tender at his sole discretion.

2.2.5 The SMVDSB i.e. SMVDSB reserve the right to negotiate the quoted rates, terms and conditions with the lowest tenderer or any other tenderers to ascertain the suitability of the acceptable offer.

2.2.6 The Validity of the E-Tender shall be 120 days from the last date of submission of E-Tendering.

2.2.7 All disputes arising out in any way connected with this contract shall be deemed to have arisen at Jammu/Katra and only courts in Jammu/Katra/Reasi shall have jurisdiction to determine the same.

2.2.8 All the above conditions of e-NIT and all the correspondence relevant to the contract shall form the part the contract.

2.2.9 The tenderers should quote their rates with the total both in figures and words. Amounts quoted in words shall be deemed to be correct in case of cuttings and overwriting.

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INSTRUCTIONS FOR TENDERERS – SECTION-3

- 3.1** Before tendering, the Tenderers in their own interest are advised to visit site to acquaint about the condition of site, its surroundings, terrain, climate, availability of labour, power, water, communication facilities etc.
- 3.2** Time is the essence of the contract and the works shall be completed within the time schedule as indicated in the Appendix to the form of Tender.
- 3.3** (i) The tenderer shall complete the annexure(s), Forms of Tender, Schedules and Bill of Quantities and information called for therein, and shall sign with date, duly stamped with company's seal on each page of the tender documents.
- (ii) The Tender shall contain full address, Telephone Nos., Fax No. and e-mail address for communication.
- 3.4** Quoted Rates shall be entered in ink, both in figures and words without overwriting and in the event of any discrepancy between the two, rates entered in words shall only be considered accurate. Cuttings, over writings must be avoided if absolutely unavoidable should be initialed and stamped.
- 3.5** All documents of the tender are to be read in conjunction with each other and rates quoted by the tenderer shall take this aspect into consideration.
- 3.6** The Tender must accompany the following information and documents mandatory:
- a) A detailed construction program in the form of a Bar-Chart showing the Tenderer's proposed sequence of operations together with the estimated times for each activity, including construction/manufacture, delivery, erection and commissioning to ensure adherence to the overall completion period, as indicated in the document.
- b) Full details of methodology or scheme which the Contractor proposes to use for the construction or for any other purpose is required to be submitted. The scheme should be elaborated in detail, so as to enable SMVDSB to assess the adequacy of the construction plans for executing at site included in the scope of the work at optimum cost strictly within the time frame envisaged by Shrine Board for completion of these works. Mode of transportation for material and machinery & equipment needs to be submitted in the methodology. In the items where general specifications are being provided and similar product has been allowed, methodology should clearly cover as to which product would be used against respective item. Failure of contractor to furnish these details or indicating only sketchy details of construction methodology which do not provide sufficient information for assessing the

soundness of the construction planning would automatically lead to rejection of his tender.

- c)** The Tenderer's proposals for supervising the work including the CVs of the various grades of technical supervisory personnel/other staff proposed to be deployed for the construction period.
- d)** Information in respect of following aspects:
 - (i)** Details of business & technical organization.
 - (ii)** Financial resources.
 - (iii)** Past experience in performing work similar in nature and magnitude including mention of the status of completion of project/arbitration etc.
- e)** True copy of latest Income Tax and GST Clearance Certificates and license under Labour Regulations issued by the competent authorities in favor of the Contractor.

3.7 Tenders received without Earnest Money Deposit (EMD) & Tender cost will not be accepted and shall be out rightly rejected.

3.8 The successful tenderer shall not be entitled to any compensation for any loss suffered on account of delays, in commencing or executing the work, whatever the cause of delays may be, including delays arising out of modifications to the work entrusted to tenderer or in any sub-contract connected therewith or delays in awarding contracts for other trades of the project or in commencement of completion of such works or in procuring Government controlled or other building materials or in obtaining water and power connections for construction purposes or for any claim in respect thereof. The SMVDSB does not accept liability for any sum towards loss of overheads and profits of the contractor besides the tender amount, subject to such variations as are provided for herein.

3.9 The SMVDSB reserves the right to adjust arithmetical or other errors in any Tender in the way, which he considers suitable. Any adjustments so made by the SMVDSB shall be stated to the Tenderer if the Employer shall make an offer to accept the tender.

3.10 The SMVDSB does not bind himself to accept the lowest or any tender and has the right to refuse or accept any Tender without assigning any reason. The SMVDSB reserve right to re-invite the Tender without assigning any reasons. The SMVDSB/SMVDSB reserves the right to negotiate the quoted rates, terms and conditions with the lowest tender or any of the other tenderers to ascertain the suitability of the acceptable offer and no claim or objection on this account will be entertained.

3.11 The successful tenderer shall be liable to pay the turnover tax or such other taxes on the work under the contract as and when levied by the UT/central Government Authorities and the Employer shall not entertain any such claims, whatsoever in this respect. He shall have to comply all the statutory compliance.

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GENERAL CONDITIONS OF CONTRACT – SECTION-4

4.1 Definitions & Interpretations

In the contract (as herein under defined) unless, it is otherwise repugnant to the text, the definition of the following words and expressions shall have the meaning hereunder assigned except otherwise specified:

- i)** “Site” means the lands and other places on, under, in, or through which the works are to be executed or carried out and any other lands or places provided by the SMVDSB for the purpose of the works together with such other places as may be specifically designated in the contract as forming part of the site.
- ii)** The expression “work” or “works” shall unless there be something either in the subject or context repugnant to such construction be construed and taken to mean the works to be executed in accordance with the contract or parts thereof as the case may be and shall include all additional, altered or substituted works as required for the performance of the contract.
- iii)** “Drawings” means the drawings referred to in the documents and any modification of such drawings approved in writing by the SMVDSB and such other drawings as may from time to time be furnished or approved in writing by the SMVDSB / Consultant.
- iv)** “Bill of Quantities” means the schedule of quantities or items, materials & Rates, Summaries, etc. as finally accepted.
- v)** “Specification” means the specifications of approved standard as specified in the tender document.
- vi)** “Contract” means this agreement and all documents which form part thereof and / or annexed thereto and all amendments thereto made in accordance with the provisions hereof based on Notice Inviting Tenders, the sealed Quotations and the Tender documents including the Tender, General conditions of the contract, specifications, designs & drawings, priced schedule & priced Bill of quantities and schedule of rates and acceptance thereof, read in conjunction and complementary to one and other.
- vii)** “Contract Price” or “Contract Value” or “Contract Sum” means the sum set out hereto as the total value of the contract and shall be subject to additions and / or deductions and rebated in accordance with the provision herein contained.

- viii) “SMVDSB” means Shri Mata Vaishno Devi Shrine Board, Katra Jammu (J&K) through the Chief Executive Officer, SMVD Shrine Board, Katra (J&K).
- ix) “Engineer” means Engineer-In-charge or his authorized representatives or such other firm / persons, as shall be nominated by the SMVDSB.
- x) “Contractor” means who is awarded contract to perform the work in accordance with the contract and includes the contractor’s personnel, representatives, successors and permitted assigns.
- xi) “Permanent Works” shall mean the works which are of a permanent nature and are not Temporary works.
- xii) “Temporary works,” means all temporary works of every kind required in or about the execution, completion or maintenance of the works.
- xiii) “Materials” means the materials, apparatus, equipment, fittings, fixtures and other things for incorporation in the works.
- xiv) “Defect Liability Period” shall mean the period of 365 (one-year) days calculated from the date of successful completion of the work, solely to the satisfaction of Engineer-In-charge, SMVDSB.
- xv) “Market Rate” means the rate as decided by the SMVDSB, on the basis of cost of materials inclusive of any taxes, duty, Octroi or such statutes in force at the time of work and cost of labour at site where the work is to be executed plus the percentage to cover all overheads and profit.
- xvi) “Approved” means approved in writing; “approval” means approval in writing.
- xvii) “Month” means calendar month
- xviii) “Week” means seven consecutive calendar days.
- xix) “Day” means a calendar day beginning and ending at midnight
- xx) “Virtual Completion” means the date when installation is sufficiently completed in accordance with the contract documents as modified by any change or variation orders agreed to by the parties, so that the SMVDSB can occupy the project for the use it was intended.

4.2 Extent of Contract: - The contract comprises the construction, completion and maintenance of the works during the period of defect liability period and except in so far as the contract otherwise provides, the provision of all labour, materials,

constructional plant, temporary works and everything whether of a temporary or permanent nature required in and for such construction, completion and maintenance so far as the necessity for providing the same is specified in or reasonably to be inferred from the contract.

4.3 Rates and Taxes:

4.3.1 The rates shall be quoted inclusive of all taxes (including GST), duties, levies, fees or charges. All the said taxes, duties, levies, fees and charges shall be the Contractor's responsibility and SMVDSB shall not be required to pay any additional or extra amount whatsoever on the account. However, difference in rates due to upward / downward revision in GST, if any, till completion of the work, shall be considered on the submission of documentary proof and subject to satisfaction of Client.

4.3.2 Escalation of rates: The rates quoted by the firm shall remain firm during the entire Contract Period. No escalation in rates on any account eventually foreseen or unforeseen shall be paid during the Contract Period. However, in case of any variation of quantities, the Contractor shall have to execute the additional quantities at the same rate as quoted in the Financial Bid.

4.3.3 Correction of Arithmetic Errors in Financial Bids: The Bid Evaluation Committee shall correct arithmetical errors in substantially responsive Bids, on the following basis, namely: -

4.3.3.1 If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected;

4.3.3.2 If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and

4.3.3.3 If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to clause (a) and (b) above.

4.4 Award of Work: After completion of the tender evaluation process, the work will be awarded to the successful bidder / contractor as per the provisions of the Contract, the letter of award will be send through email to the contractor by the authority or it can be collected from the office of the Chief Executive Officer, SMVDSB, Central Office, Katra. The successful Bidder / Contractor shall ensure that the awarded work be started within 07 days of the issuance of the Letter of Award (LOA), otherwise, the competent authority may consider alternate arrangements as per the Clause 1.21 of the Instruction to Bidder

4.5 Time Frame: The time frame for completion of the work shall be four (04) months, reckoned from the date of issuance of Letter of Award (LOA).

4.6 Contract Agreement

- 4.6.1** Within 30 days after the issue of letter of Letter of Award, the contractor shall have to enter into a written deed of agreement incorporating all the terms and conditions as embodied in the Tender Documents or modified subsequently in writing and those contained in the letter of acceptance, with the SMVDSB.
- 4.6.2** The following documents shall be deemed to form and be read and construed a part of the Contract Agreement:
- a. The said Tender and Appendix.
 - b. Form of Tender
 - c. Conditions of Contract.
 - d. Letter of acceptance.
 - e. Contract price.
 - f. Priced Bill of Quantities as accepted.
 - g. Specifications.
 - h. Drawings.
 - i. Other additional documents as exchanged in correspondence on the subject

4.7 Documents Mutually Explanatory: - Except if and to the extent otherwise provided by the contract, the provisions of the conditions of contract shall prevail over those of any other document forming Part of the contract. Subject to the foregoing, the several documents forming the contract are to be taken as mutually explanatory of one another but in case of ambiguities or discrepancies, the same shall be explained and adjusted by the Engineer-In-Charge who shall thereupon issue to the contractor instructions directing in what manner the work is to be carried out.

4.8 Payment Terms & Security Deposit:

- 4.8.1** The payments on account of running bill shall be made against the submission of Tax Invoice for the completed work supported with joint measurement sheets and MB book, duly certified by the Engineer-in-Charge of SMVDSB.
- 4.8.2** An amount @5% (Five percent) shall be deducted from each of the running account bills of the contractor and retained as Security Deposit.
- 4.8.3** The Security Deposit will be released against the receipt of BG of equivalent amount after the successful completion of the work. However, the Security Deposit, as a whole, along with PBG will be released after the successful completion of the Defect Liability Period (DLP) and after adjustment of SMVDSB's dues / outstanding or liquidated damages, if any, on the certification of Engineer-In-charge.
- 4.8.4 Defect Liability Period Certificate (DLP):** The contract shall not be considered as completed until a Final Completion Certificate at the end of DLP has been signed by the Engineer-In-charge with a copy to the contractor stating that the works have been completed and maintained during the Defect Liability Period by the contractor to his full satisfaction. The Completion Certificate shall be given by the Engineer-

In-charge within twenty-eight (28) days after the expiration of the Defect Liability Period.

4.8.5 Defect Liability Period: The contractor shall maintain (free of cost) the whole of permanent works in a thoroughly sound, substantial efficient and perfect condition during the Defect Liability Period of 365 days, after the date of completion of the whole or part of works, as certified by the Engineer-In-Charge, remedying at his own cost and to the satisfaction of the Engineer, any defects which may become apparent, prior to or during this Defects-Liability period, arising out of defective materials and/or workmanship or default, neglect or omission of the contractor notwithstanding, that the SMVDSB has used portions of the works before the whole of the works were completed, during the Defect Liability Period.

4.8.6 Performance Bank Guarantee (PBG): - The successful contractor shall have to deposit with SMVDSB 'PBG' for the due and faithful performance of the contract for a sum equal to 5% (five percent) of the accepted tender value. Such Bank Guarantee shall be drawn from day Nationalized/Schedule Bank in India on the prescribed format. The Bank Guarantee shall be furnished within 07 days from the date of Letter of Award (LOA) and shall be valid until expiry of the Defect Liability Period (DLP) of 365 days reckoned from the date of issue of Completion Certificate of the work. In case of failure, the competent authority reserves the right to terminate/cancel the contract besides fore feature of EMD. The PBG shall construed as a part of overall Security Deposit.

4.9 Contractor's General Responsibilities

4.9.1 The contractor shall, subject to the provisions of the contract, and with due care and diligence, execute, complete and maintain the works and provide all labour incl. Supervision, materials, constructional plant and all other things, whether of a temporary or permanent nature, required in and for such execution, completion and maintenance.

4.9.2 The contractor shall carry out and complete and maintain the works in accordance with good engineering practices to the entire satisfaction of the Engineer-In-Charge of deputed by SMVDSB for the purpose.

4.9.3 Safety of Site Operations: The Contractor shall take full responsibility for the safety, stability and adequacy of all site operations and methods of construction including all temporary works, provided that the contractor shall not be responsible, except as may be expressly provided in the contract, for the design of the permanent works. The contractor shall take all necessary precautionary/accidental prevention measures to avoid inconvenience to the pilgrims. However, details thereof shall be submitted to Engineer-in-charge of Shrine Board prior to the execution of work and decision shall be taken by Shrine Board after analyzing the safety aspects and site conditions and this shall be binding on the contractor and no claim shall be entertained on this account in any form.

- 4.10 Sub-Letting:** Except where otherwise expressly provided in this contract, the contractor shall not sub-let the whole or any part of the work. If at any stage it comes to the notice of SMVDSB that the work has been sub-leted, SMVDSB shall be within its right to cancel the contract without notice. In such event the remaining work shall be got executed at the risk and responsibility of contractor. The expenditure so incurred in execution of remaining uncompleted work, the same shall recovered by encashing PBG.
- 4.11 Technical Specification:**
- 4.11.1** All the civil works shall be carried out as per the technical specifications given in the tender and as per the relevant codes/CPWD guidelines.
- 4.11.2** All the materials shall be inspected /tested by the Technical team of SMVDSB to ensure the quality.
- 4.11.3** Regular test samples shall be sent for quality checks to the authorized Laboratories/institutions through SMVDSB's representative. The running bills shall only be certified by the Engineer-in-charge after getting the quality test certificates, if any, relevant of the portion of work pertaining to the running bill. Expenditure in quality tests shall be borne by the Executing Agency.
- 4.12 Work to be to the satisfaction of SMVDSB / Consultant / Engineer-In-Charge**
- 4.12.1** The contractor shall execute, complete and maintain the works in strict Accordance with the condition of e-NIT to the satisfaction of the Engineer-In-Charge of SMVDSB.
- 4.12.2 Remedy for Bad Work:** If it shall appear to the SMVDSB Engineer-In-Charge that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of any inferior description, or that any materials or articles provided by him for the execution of work are unsound or of a quality inferior to that contracted for, or otherwise not in accordance with the contract, the contractor shall on demand in writing from the Engineer-In-Charge forthwith rectify and remove and reconstruct the work, so specified in whole or in part as the case may require, at his own risk and cost. In the event of failure, the Engineer-In-Charge may rectify or remove and re-execute part or whole of the work with new materials after dismantling the rejected works at risk and cost the contractor.
- 4.13 Setting Out:** The contractor shall be responsible for the true and proper setting out of the works in relation to original points, lines and levels of reference given by the Engineer and mentioned in the drawings and for the correctness (subject as above mentioned) of the position, levels, dimensions and alignment of all parts of the works and for the provision of all necessary instruments, appliances and labour in connection therewith. The checking of any setting out or of any line or level by the Engineer or the Engineer's representative shall not in any way relieve the contractor of his responsibility for the correctness thereof.

- 4.14 Watch & Ward & Lighting:** The contractor shall in connection with the works provide and maintain at his own cost adequate lights, guards, fencing, warning signs and watch & ward staff when and where necessary or required by the Engineer or Engineer's representative or by duly constituted authority for the protection of the works or for the safety and convenience of the public or others.
- 4.15 Care & Protection of Works:** From the commencement to the certified completion of the whole of works, the contractor shall take full responsibility for the care thereof and of all Temporary works and in case any damage, loss or injury shall happen to the works or to any part thereof or to any Temporary works from any cause whatsoever (save and except the excepted risks as defined in conditions of the contract) the contractor shall at his own cost repair and make good the same so that at completion, the works shall be in good order and condition and in conformity to every respect with the requirements of the contract and the SMVDSB/Engineer's instructions. In the event of any such damage, loss or injury happens from any of the excepted risks, the contractor shall, if and to the extent required by the Engineer, repair and make good the same as aforesaid at the cost of the Contractor. The contractor shall also be liable for any damage to the works occasioned by him including his sub -contractors in the course of any operations carried out by him for the purpose of completing any outstanding work and complying with his obligations. The contractor shall indemnify the SMVDSB from all risks on this account.
- 4.16 Compliance with statutes, regulations, etc.:** The contractor shall be solely responsible for the engagement of manpower, labour, insurance and compliance of the labour regulations, safety, health, environment, sanitary and other regulations as applicable in UT of J&K / Central Govt. The contractor shall conform to, in all respects, with the provisions of any such statute, ordinance or law as aforesaid and the regulation or Bye-Laws of any local or other duly constituted authority prevailing, which may be applicable to the works or to any Temporary works and with such rules and regulations of public bodies and companies as aforesaid and shall keep the SMVDSB indemnified against all penalties and liability of every kind for breach of any such statute, ordinance or law, regulation or bye-law. Provided always that the SMVDSB will repay or allow to the contractor all such sums as the Engineer shall certify to have been properly payable and paid by the contractor in respect of such fees, after due verification of the documents.
- 4.17 Patents Rights & Royalties:** The contractor shall save harmless and indemnify the SMVDSB from and against all claims and proceedings for or on account of infringement of any patent rights, design trade mark or name or other protected rights in respect of any constructional Plant, Machine work or material used for or in connection with the works or Temporary works or any of them and from against all claims, demand, proceedings, damages, costs, charges and expenses whatsoever in respect thereof or in relation thereto. The contractor shall pay all tonnage and other royalties, rent and other payments or compensation (if any) for getting stones, sand gravel, clay or other materials required for the works or Temporary works or any of them.

- 4.18 Supply of Plant, Materials & Labour at site of work:** The contractor shall at his own expense supply and provide all the constructional plant, tools & equipment, temporary works, materials both for temporary and for permanent works, labour (skilled & unskilled and including the supervision thereof), transport to or from the site and in and about the works and other things of every kind required for the construction, completion and maintenance of works. The makes and brands of various construction materials are specified in the list of approved makes.
- 4.19 Clearance of Site on completion:** On the completion of the works, the contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and works clean and in a workman like condition to the full satisfaction of the SMVDSB not later than one month from the virtual completion of the works.
- 4.20 Quality of Materials & Workmanship:** All materials and workmanship shall be the best of the respective kinds described in the contract and in accordance with the SMVDSB/Engineer-In-Charge instructions and shall be subjected from time to time to such tests as the SMVDSB/Engineer-In-Charge may direct at the place of manufacture or fabrication or on the site or at all or any of such places. The contractor shall upon the instructions of the Engineer-In-Charge furnish him with documentation to prove that the materials & goods comply with the requirements of contract and for requirement stated above. The Engineer-In-Charge may issue instructions in regard to removal of material from site or any work, if these are not in accordance with the contract. The contractor shall provide such assistance instruments, machinery, labour and materials as are normally required for examining, measuring and testing and work and the quality, weight or quantity of any materials before incorporation in the works for testing as may be selected and required by the Engineer/Engineer's representative. All materials brought to site for use on work shall conform to relevant Indian Standard Code published by Bureau of Indian Standards.
- 4.21 Examination of work before covering up:** No work shall be covered up or put out of view without the approval of the Engineer-In-Charge and the contractor shall afford full opportunity for the Engineer-In-Charge to examine and measure any work which is about to be covered up or put out of view and to examine foundations before permanent work is placed thereon.
- 4.22 Possession of Site for Construction:** The SMVDSB, will with the Engineer-In-Charge written order to commence the works, give to the contractor possession of so much of the site as may be required to enable the contractor to commence and proceed with the construction programme.
- 4.23 Power, Water & Other Facilities:** The contractor shall be responsible for creating providing within the scope of work all facilities necessary for the performance of the work including (but not limited to) water, electrical power, electrical power through generator, transportation, labour tools, construction equipment.

- 4.24 Certificate of Completion:** The period of contract shall be four calendar months reckoned from the date of issuance of LOA, the works shall be deemed to have been duly completed when the Engineer-In-Charge certifies in writing that the works have been completed in all respects by the contractor.
- 4.25 Insurance:** Any accidental or incidental occurrence during the course of execution shall be entirely liability of the contractor. The contractor has to observe due care and caution as not cause damage to life/honour/property or cause mishap, nuisance. The insurance cover of the team members working for the project shall be responsibility of the contractor.
- 4.26 Variations**
- 4.26.1** If the SMVDSB/Engineer-In-Charge may make any variation in quality or quantity of the works or any part thereof that may in his opinion be necessary, then the Engineer / SMVDSB shall have power to order the contractor to carry out the same and in any of the following:
- (a)** Increase or decrease the quantity of any work included in the contract
 - (b)** Omit any such work
 - (c)** Change the character or quality or kind of any such work
 - (d)** Change the levels lines position and dimensions of any part of the works and
 - (e)** Execute additional work of any kind necessary for the completion of the works and no such variation shall in any way vitiate or invalidate the contract but the value (if any) of all such approved variations shall be taken into account in ascertaining the amount of the contract price.
- 4.26.2 Extra item:** In case, the item does not exist in any section of the BOQ, the same will be paid on the basis of analysis of the rates based on the actual market rates of various inputs with 10% of overhead charges & contractor's profit.
- 4.26.3 Valuation of variation:** The limit of variation in the contract including extra items shall be 20% over and above the Contract Value. No escalation cost will be provided for this variation.
- 4.27 Plants etc. not to be removed:** No constructional Plant Temporary works or materials or any part thereof shall be removed from the site without the written consent of the SMVDSB which consent shall not be unreasonably withheld where the same is no longer immediately required for the purpose of completion of the works. The SMVDSB will permit the contractor the exclusive use of all such constructional plant, temporary works and materials in and for the completion of the works until the happening of any event which gives right to the SMVDSB to exclude the contractor from the site and proceed with the completion of the works.
- 4.28 Works to be measured**
- 4.28.1** The SMVDSB/Engineer shall except as otherwise stated ascertain and determine by measurement the quantity and value of work done in accordance with the contract. He shall, when he requires any part or parts of the works to be measured

give notice to the contractor's authorized agent or representative who shall forthwith attend or send a qualified agent to assist the Engineer or the Engineer's Representative in checking such measurements & other substantiations of the Bill submitted by the contractor and shall furnish all particulars required by either of them. Should the contractor not attend or neglect or omit to send such agent then the measurement made by the Engineer or approved by him shall be taken to be the correct measurement of the work and shall be conclusive and binding on the contractor.

4.28.2 Unless otherwise described in the schedule of quantities, the method of measurement shall be as described in method of measurement of building and civil engineering works **(IS 1200 Part I to XXV) latest edition of Bureau of Indian Standards.**

4.29 Payment in Event of Frustration: In the event of the contract being frustrated whether by war or otherwise, howsoever, the sum payable by the SMVDSB, to the contractor in respect of the works executed shall be the same as that which would have been payable hereof if the contract had been terminated under the provisions of conditions of the contract.

4.30 Serving of Notices

4.30.1 On Contractor: Any notice to be given to the Contractor, under the terms of the contract shall be served by sending the same by registered post to or leaving the same at the contractor's Principal place of business (or in the event of the contractor being a company to or at its Registered Office).

4.30.2 On SMVDSB: Any notice to be given to the SMVDSB, under the terms of the contract, shall be served by sending the same by Registered post to or leaving the same at the office of the Chief Executive Officer, SMVDSB, Katra.

4.31 Dimensions and Levels: All dimensions and levels shown on the drawings shall be verified by the contractor on the site and he will be held responsible for the accuracy and maintenance of all dimensions and levels. Figured dimensions are in all cases to be accepted and no dimension shall be scaled. Large-scale details shall take precedence over small-scale drawings. In case of discrepancy the contractor shall ask for clarification from the Engineer's Representative before proceeding with the work.

4.32 Site Instruction Book: The Engineer's Representative shall maintain a site instruction book on the site in which he or his authorized representative's remarks, instructions, decisions and other essential details, of the work shall be recorded. The contractor shall regularly note the contents of this book and initial it signifying his having done so and take immediate action on the same.

4.33 Progress Report: The contractor shall submit monthly progress reports indicating status of each activity planned for the period under consideration and summary of each completed and planned activity and the anticipated starting date for the activities planned but not in progress, schedule of materials including the

details of materials received and expected time of arrival of other materials as ordered and such other details affecting the programme and progress of the work to the Engineer's Representative in a form as required by him which shall also include reasonable number of progress photographs of the works.

4.34 Extension of Time: No extension of time specified for the completion of work shall be granted or claimed by the contractor as matter of right. However, the time for completion of the works in the event of any authorized deviations or additional work resulting in additional cost over the contract sum, shall be extended, if requested by the contractor, in the proportion in which the cost of the altered, additional or substituted work bears to the original contract sums plus any additional time, which the 'SMVDSB' may consider reasonable on the recommendations of the Engineer-In-Charge. Similarly, in the event of deletion of some items, the time for completion for the work shall be reduced in the proportion of altered cost to the original contract sum.

4.34.1 If the work be delayed by:

- (a) Force Majeure, or
- (b) Serious loss or damage by fire, or
- (c) Civil commotion, local combination of workmen, strike or lockout, affecting any of the trades employed on the work, or
- (d) Any other cause, which in the absolute discretion of the SMVDSB is beyond the contractor's control.

Then upon the happening of any such event causing delay, the contractor shall immediately give notice thereof in writing to the SMVDSB/Engineer, but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall take all possible steps to the satisfaction of the 'Engineer' to proceed with the works.

Request for extension of time, shall be made by the contractor in writing no later than fourteen days of the happening of the event causing delay, the contractor may also, if practicable, indicate in such a request, the period for which extension is desired.

In any such case, the 'SMVDSB' on the recommendations of the Engineer may give a reasonable extension of time for completion of the work, which shall be communicated to the contractor by the Engineer. Any extension of completion period shall not entitle the contractor to any other monetary gain or claim.

The term "Force Majeure" in the contract shall mean civil war, tidal waves, fire, major floods, earthquake (above 7 magnitudes on Richter Scale) damage from Aircraft, nuclear fission, riots (other than among the contractor's employees), lighting and other causes over which the contractor has no control and as accepted by the SMVDSB whose decision shall be binding and final.

This will not entitle the contractor to any claims for the increase in rates / cost of the contract.

- 4.35 Remedy on contractor's failure to remove defective work:** If the contractor shall fail to carry out any such work as aforesaid required by the Engineer-In-Charge SMVDSB, shall be entitled to carry out such work by his own workmen or by other contractors and if such work which in the opinion of the SMVDSB, the Contractor was liable to do at his own expense under the contract, then all expenses consequent thereon or incidental thereto shall be recoverable from the contractor by the SMVDSB and shall be deducted by the SMVDSB from any payment due or that becomes due to the contractor or from the bank guarantee/security deposit submitted by the contractor.
- 4.36 Liquidated Damages:** If the contractor fails to complete the works within the stipulated period for completion of work, the contractor will be liable to pay to the SMVDSB as liquidated damages / penalty for delay @ 0.5% percent per week of the unfinished work value subject to a maximum of 10% (ten percent) of the unfinished work value.
- 4.37** The contractor shall be paid at contract rates full amounts for works executed at site and in addition a reasonable amount as certified by the Engineer-In-Charge for the items hereunder mentioned which could not be utilized on the work to the full extent because of the foreclosure.
- 4.38 TERMINATION OF THE CONTRACT IN FULL OR IN PART:**
- (a) If the contractor:**
- (i)** at any time makes default in proceeding with the works with due diligence and continues to do so even 15 days after a notice in writing from the Engineer-In-Charge; or
 - (ii)** Commits defaults in complying with any of the terms and conditions
 - (iii)** of the contract and does not remedy it within 15 days after a notice in writing is given to him in that behalf by the Engineer; or
 - (iv)** fails to complete the works or any part of the work on or before the date of completion and does not complete them within the period specified in notice give in writing in that behalf by the Engineer; or
 - (v)** has obtained a contract with the SMVDSB as a result of ring tendering or other non-bonafide methods of competitive tendering; or
 - (vi)** The SMVDSB shall cancel the contract by a written notice to the contractor and the contractor shall have no claim on any sort on this account.
- (b) The SMVDSB shall on such cancellation have powers to:**
- (i)** Take possession of the site and any materials, constructional plants, implements, stores, etc. thereon, and make out a list of such material in presence of the representative of the contractor who shall have to be present on one (01) day notice and in case of non-compliance of the notice measurements taken by the SMVDSB rep. shall be considered as

final and contractor will have no claim of any sort regarding this.

- (ii) Carry out the incomplete work by any means at the risks and cost of the contractor.
- (iii) On termination of the contract in full or in part, the Engineer shall determine what amount, if any, is recoverable from the contractor for completion of the works or in case the works or part of the works not to be completed, the loss or damage suffered by SMVDSB. In determining this amount, credit shall be given to the contractor for the value of the work executed by him up to the time of cancellation, the value of the contractor's materials taken over and incorporated in the work, and use of machinery belonging to the contractor.
- (iv) Any excess expenditure incurred or to be incurred by the SMVDSB in completing the works or part of the works or the excess loss or damage suffered or may be suffered by the SMVDSB as aforesaid after allowing such credit shall be recovered from any amount due to the contractor on any account, and if such amount is not sufficient, the contractor shall be called upon in writing to pay the same, within 30 days of the notice given to that effect by the 'Engineer'.
- (v) If the contractor shall fail to pay the required sum within the aforesaid period of 30 days, the SMVDSB shall have the right to sell any or all of the contractor's unused materials, constructional plant, implements, temporary buildings; etc. and apply the proceeds of sale thereof towards the satisfaction of any sums due from the contractor under the contract and in accordance with the provisions thereof.
- (vi) Any sums in excess of the amounts due to the SMVDSB and unsold materials constructional plant, etc. shall be returned to the contractor, provided always that if cost or anticipated cost of completion by the SMVDSB, of the works is less than the amount which the contractor would have been paid had he completed the works, such benefit shall not accrue to the contractor.

4.39 SMVDSB to be indemnified: The contractor shall at all times indemnify the SMVDSB against all claims, damages or compensation under the provision of Payment of Wages Act, Minimum Wages Act, SMVDSB's Liability Act, Industrial Disputes Act, and the Maternity Benefit Act or any modifications thereof or any other law relating thereto and rules made there under from time to time or as a consequences of any accident or injury to any workmen or other persons in or about the works whether in the employment of the contractor or not, save and except where such accident or injury has resulted from any act of the SMVDSB their agents or servants, and also against all costs, charges and expenses of any suit action or proceedings arising out of such accident or injury and against all sum or sums which may with the consent of the contractor be paid to compromise or

compound any such claim. Without limiting his obligations and liabilities as above provided the contractor shall insure against all claims, damages or compensation payable under the workmen's compensation Act, 1923 or any modification thereof or any other law relating thereto. All the aforesaid insurance policies shall provide that they shall not be cancelled till the Engineer has agreed to their cancellation. The contractor shall prove to the Engineer or his authorized representatives from time to time that he has taken out all the insurance policies referred to above and has paid the necessary premia for keeping the policies alive till the expiry of the Defects Liability Period.

4.40 Settlement of Disputes: The instructions, decision, opinion, certificate or evaluation of the Engineer, with respect of or any of the matter regarding which the decision of the Engineer is stated to be as final or conclusive or binding in these conditions of the contract or specifications or in the Bill of Quantities forming part of the contract, shall be final conclusive and binding on the parties hereto and shall not be subject to be appealed. Such matters hereinafter shall not be subject to be appealed. Such matters hereinafter shall be referred to as "excepted matters". The decision of the "SMVDSB" in any and all matters shall be final and binding on both the parties in the agreement.

4.41 Arbitration: Any dispute or difference whatsoever arising between the parties out of or relating to the execution, interpretation, application, meaning, scope, operation or effect of the contract or the validity or the breach thereof, shall be first tried for amicable settlement through consultation / discussion between the parties. Any unsettled disputes whatsoever arising between the parties thereof relating to the work shall be resolved as per the provisions of Arbitration and Conciliation Act applicable to the Jammu & Kashmir (J&K).

4.42 Jurisdiction: All legal disputes arise in connection with the Contract shall be subject to the jurisdiction of Courts at Katra (J&K, India).

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SPECIAL CONDITIONS OF THE CONTRACT – SECTION-5

These special conditions will supersede the General Conditions of Contract wherever these provisions are at variance with them.

- 5.1 Water & Power Supply:** The contractor shall be responsible for providing within the scope of work all facilities necessary for the performance of the work including (but not limited to) water, electrical power, electrical power through generator, transportation, labour tools, construction equipment and machinery, access and right(s) of way to or about the job site(s). However, the SMVDSB may provide the power connection at location but cost of power consumed shall be paid by contractor. A free of cost water point shall also be provided by SMVDSB at the location. The SMVDSB shall also provide open space for storage purposes, wherever feasible. Any temporary structure may be built by the Contractor in the space provided during construction.
- 5.2 Accommodation:** During the visit of the technical experts of contractor, accommodation shall be provided by the SMVDSB on the payment basis. However, accommodation for day to day needs shall be temporarily constructed by the contractor on the space provided by the shrine board for the purpose.
- 5.3 Amendment of Tender Document:** - Before the deadline for submission of tenders, the Tender Document may be modified by SMVDSB by issue of addenda/corrigenda. Any addendum/corrigendum issued shall be part of the Tender Documents and shall be uploaded in the official website of Shri Mata Vaishno Devi Shrine Board (SMVDSB).
- 5.4 Scaffolding:** - Suitable scaffoldings should be provided at the site where necessary and while working at heights necessary precautions should be taken. For this particular site rope access works with a PPE (personal protection equipment), according to the IRATA (Industrial Rope Access Trade Association) guidelines is necessary and an alternative to scaffolding.
- 5.5 Safety Equipment:** - When workers are working on the rope they should have a PPE according to the IRATA guidelines.
- 5.6 Plant and Equipment:** - The Minimum Requirement of key Plant and Equipment to be deployed in the Project during execution needs to be specified. The bidder shall be required to submit the list of all his available equipment together with an undertaking in the form of an affidavit stating that the bidder shall mobilize the all key equipment listed above and another complete set(s) of minimum key equipment required. In the event of contract award, of his obligation to provide sufficient equipment to construct and complete the Works in accordance with the Contract

5.7 Personnel - Technical Staff to be Deployed in the Project: Requirement of Technical Staff to be deployed in the Project, the Bidder shall demonstrate the availability of qualified key persons (**details to be attached**).

*****_____*****

ANNEXURE- "A"

(AS PER CLAUSE 2.1 OF DETAILED TERMS & CONDITIONS OF CONTRACT - SECTION-2)

Name of the Bidder: _____

S. No.	Technical Documents	Enclosed (Yes / No) with page number
1.	Copy of Tender Fee & EMD as prescribed in the eNIT.	
2.	The Bidder must be Firm/Company/Proprietary ship firm registered under appropriate authorities (attested copies of the relevant registration certificates including certificate of incorporation as per Clause 2.1.1 of Section 2))	
3.	The Bidders should mention their complete name, address and core business in the tender. If the authorized person is signing the documents he must be legally authorized (attested copies of the relevant certificates as per Clause 2.1.3 of Section 2))	
4.	Detail of Technical and Non-Technical manpower to be deployed must be attached. The technical manpower should have adequate qualification/experience in the relevant field. The Project Manager/ Resident Engineer shall be Graduate in Civil/Mechanical Engineering with minimum 5 years of experience. (the details are to be attached as per the Annexure-"B").	
5.	The Agency shall be a profitable entity and shall not have incurred losses in any of the last 03 consecutive financial years (2018-19, 2019-20, 2020-21) and the firm shall have average annual financial turnover atleast 30% of the estimated cost of related work during the last 05 years, ending 31 st March of the previous financial year (attested copies of Audited Balance Sheets & Profit & Loss statement, duly certified by the Chartered Accountant, are to be attached by the Bidder as per Clause 2.1.5))	
6.	The bidders shall have professional experience in execution of similar work with any of the Central Govt. / State Govt. / PSUs/Reputed Organizations. The parties uploading bidder must have executed the similar nature of works in following manners: - (i) Atleast one work of similar nature of the value of 80% of the estimated cost of during the last 05 years; OR (ii) Atleast two works of similar nature of the value of 50% of the estimated cost of during the last 05 years; OR (iii) Atleast three works of similar nature of the value of 40% of the estimated cost of during the last 05 years. (Attested copies of the documentary proof including the relevant Letter of Award(s) and Completion Certificates including value of work done in support of the above requisite criteria must be submitted by the tenderer, in	

	absence of which the bid shall not be considered) as per Clause 2.1.6 of Section 2).	
7.	The Bidder shall submit the detail of equipment or components required for the construction of Ayushman Bharat Ward. (Bidder shall also certify the acquisition of the same i.e. owned, lease or hire etc. as per Clause 2.1.7 of Section 2)	
8.	The bidders shall have to give an undertaking to the effect that the Firm has not been black listed / holiday listed anytime in the past by any Country / Semi Government Agency/PSU/State Govt./Central Govt./Autonomous Bodies/MNCs etc., duly attested by Judicial / Executive Magistrate / Notary. Each participating bidders shall have to undertake that all document attached herewith are true and in the event of any illegally noticed at any stage, the LOA shall be revoked, security deposit forfeited. The remaining work shall be got executed at the risk and cost of the firm besides debarring it for future participation in tender process of SMVDSB for five years. (Undertaking to be attached as per Clause 2.1.8 of Section 2)	
9.	A Solvency Certificate from the banker of Bidder to be submitted for credit worthiness of the firm (Certificate to be attached as per Clause 2.1.9 of Section 2)	

It is to certify that all the documents enclosed with the **Annexure- "A"** are complete in all respect, self-attested, sequential and numbered.

Yours faithfully,

Authorized Signatory _____
Name of the Bidder _____
Address: _____

Email: _____
Mobile No.: _____

ANNEXURE- "B"

CERTIFICATE CONFIRMING THE AVAILABILITY OF STAFF/MANPOWER

This is to certify that I/We shall deploy the essential staff/manpower as specified in the tender, if I/We am/are awarded the work of _____ (name of work) as per the details indicated below I/We agree that the staff/manpower indicated below is the minimum essential for the project execution and in addition to these, other staff/manpower necessary to complete the work successfully and in time, shall also be deployed by me/us.

Position	Name	Qualification	Years of Experience

Seal and Signature of the Bidder

PRICE BID - PART-I (Civil Works)**Bill of Quantities for the Construction of Ayushman Bharat Wards in the premises of SMVDIME, Kakryal.**

S.No	Description	Unit	Qty	Rates to be Quoted (Rs.)	Amount (Rs.)
1	Dismantling brick work in cement/lime upto 35 cm thickness including stacking of serviceable material and disposal of u/s material within a lead of 100 mtrs (as directed by Engineer-incharge)	Cum	47.30		
2	Dismantling of glazed/vertrified tile up to 15 cm thick including stacking serviceable material and disposal of material up to 100 mtrs (as directed by Engineer-incharge).	Cum	63.39		
3	Dismantling of plain cement concrete more than 15 cm thick including stacking serviceable material and disposal of material up to 100 mtrs.(as directed by Engineer-incharge)	Cum	19.6		
4	a) Earthwork in bulk excavation in all kinds of soil by mechanical means (hydraulic excavator) over areas exceeding 30 cm in depth, 1.5 mts in width as well as 10 sqm on plan including disposal of excavated soil upto a lead of 1 km (As directed by the Engineer-Incharge).	Cum	35.35		
5	providing and laying in position cement concrete in 1:4:8 (1cement:4 Coarse Sand :8 Crushed Stone Aggregate 40 mm nominal size) excluding cost of centering and shuttering for all works up to plinth level, including all leads and lifts complete.	Cum	54.9		
6	providing and laying Reinforced cement concrete (1:1:2) 1cement:1coarse sand: 2 graded stone aggregate 20mm nominal size in walls (any thickness) including attached pilasters, butteresses, beams, column, slab etc upto floor five level excluding the cost of centering shuttering, finishing and reinforcement including all leads & lifts complete.	Cum	6.41		
7	providing and laying reinforcement for RCC work including straightening, cutting, bending, placing in position and binding including cost of binding wires and all leads & lifts complete. (upto floor five level)	Qntl	7.37		
8	providing brick work with common burnt clay F.P.S (non modular) bricks of class designation 75 for all floor levels and for mounty, machine room, etc. in cement mortar 1:6 (1 Cement : 6 Coarse Sand) including all leads & lifts complete.	Cum	162.8		
9	providing brick masonry half brick masonry with F.P.S bricks of class designation 75 for all floor levels including laying of RCC bands (M15) with nominal reinforcement at every one mtr. height of masonry in cement mortar 1:4 (1cement :4 coarse sand), including all leads & lifts complete.	Sqm	285.6		

10	Providing and fixing of formwork of timber plankings, steel plates. Plyboard sheets etc so as to give rough finish including centering, shuttering, strutting, propping complete upto all levels and removal & stacking of the same, complete job. (including cost of shuttering, T&P & Sundries.) complete in all respects.	Sqm	82.92		
11	15 mm cement plaster in1:6 (1 cement : 6 fine sand) on rough side of single/half brick walls (internal plastering) including cutting grooves in junction between RCC and brick masonry at all floor levels including all leads & lifts complete including cost of material.	Sqm	2162		
12	Applying white cement based putty of average thickness 2mm of approved brand and manufacture, over the plastered wall surface (internal & external) to prepare the surface even and smooth complete at all floors levels including all leads & lifts complete including cost of material.				
	a) Internal Surface	Sqm	2298		
13	Finishing wall with premium acrylic smooth interior paint with silicone additives of required shade on New work (two or more coats applied @ 1.43 ltr/10sqm over and including base coat of water proofing cement paint applied @ 2.20kg/10sqm) at all floor levels complete. As per the shades as directed by Engineer-in-charge including cost of material.	Sqm	2298		
14	Providing and laying glazed/polished vitrified floor tiles in sizes of 600x600mm (or any size) (as per required thickness) in the pattern as approved by Engineer-Incharge laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigment etc. complete at all floor levels including all leads & lifts complete.	Sqm	1704		
15	Providing and Fixing of gypsum board false ceiling of papproved make of gyproc of equa make).				
	1.Gypsum False Ceiling	Sq.m	758.4		
	2. Modular Grid Tile 600 MM X 600 MM- False Ceiling	Sq.m	80.49		
	3. Calcium Sillicate Tile 600 MM X 600 MM =	Sq.m	9.54		
B)	Plumbing & Sanitary works.				
16	Providing and fixing WC cum Bathroom fitting complete including laying of PVC/CPVC/PPR/CI/ GI/Composite Pipes and fittings inside the periphery of Toilet, fitting of taps, washbasin, washbasin mixer, European seat cistern, shower, towel rail,towel ring, looking glass, glass shelf and soap dish, geyser, gratings, angle valve etc and testing of the system complete.	No.	6		
17	Proving and Fixing Bathroom fitting complete including laying of C.I/P.V.C and G.I/PPR pipes and fitting inside the periphery of bathroom fitting of tap, towel rail and grating and testing of the system complete.	No.	7		

18	Providing and fixing Salem stainless steel A ISI 304(18/8) Kitchen sink as per I.S. 13983 with C.I. brackets and stainless steel plug 40mm incl. Pvc flexible waste pipe, waste fittings, C.P. brass coupling and C.P. Brass grating with hole of required dia incl. Painting of fittings and brackets, cutting and making good the walls wherever required.				
	Kitchen sink without drainboard 610x460 mm bowl depth 200 mm	No.	4		
19	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 UV stabilized and anti-microbial fusion welded, having thermal stability for hot and cold water supply including all PP-R plain and brass threaded Polypropylene random fittings I/C fixing the pipe with clamps at 1.00m spacing. This includes cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-charge (concealed work including cutting chases and making good the walls etc) and External Work.				
	PN-16 pipe, 25mm OD	RM	55		
	PN-16 pipe, 40mm OD	RM	60		
	PN-16 pipe, 50mm OD	RM	110		
	PN-16 pipe, 75mm OD	RM	40		
20	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore.	No.	20		
21	Providing and fixing of C.P. Brass soap dish of approved quality with ISI mark.	No.	6		
22	Providing and fixing of C.P. brass Towel ring of medium size.	No.	6		
23	Providing and fixing, testing & commissioning of C.P. brass wall mounted sink mixer with C.P. wall flange, overhead swinging spout complete as required and making good all necessary wall cutting / chasing complete as per direction of Engineer in Charge.	No.	4		
24	Providing and fixing, Testing & Commissioning of full way lever operated PPR Ball Valves tested to a high pressure rating (at all floors).				
	25mm OD	No.	10		
	40mm OD	No	8		
	50 mm OD	No	6		
25	Providing and fixing on surface/ wall face UPVC rain and sewer pipes conforming to IS: Type A including jointing with leaving 10 mm gap for thermal expansion (i) single socketed pipes along with all required fittings like tees, bends, crosses with or without access doors jointed with approved solvent cement as per manufacturer's recommendations, fixed to walls and ceilings with clamps complete including cutting and making good the walls and ceilings where required complete as per direction of Engineer in Charge.				
	110 mm outer dia (6 KG PRESSURE/ cm2)	RMT	80		

26	Providing and fixing on surface/ wall face UPVC rain and sewer pipes conforming to IS: Type A including jointing with leaving 10 mm gap for thermal expansion (i) single socketed pipes along with all required fittings like tees, bends, crosses with or without access doors jointed with approved solvent cement as per manufacturer's recommendations, fixed to walls and ceilings with clamps complete including cutting and making good the walls and ceilings where required complete as per direction of Engineer in Charge.				
	200 mm outer dia (6 KG PRESSURE/ cm2)	RMT	70		
27	Providing and fixing, jointing and testing of UPVC NANI Traps formed out of bore 'P' trap with 50 mm water seal, setting in 1:2:4 mix cement concrete block or clamping to the wall or suspending with the ceiling including cutting and making good the walls and floors wherever required.				
	110 mm inlet and 110 mm outlet.	No.	12		
28	Providing and fixing, jointing and testing of UPVC Bend setting in 1:2:4 mix cement concrete block or clamping to the wall or suspending with the ceiling including cutting and making good the walls and floors wherever required (at all floors).				
	110 mm inlet and 110 mm outlet.	No.	15		
29	Making of Main holes of different sizes including brickwork, plaster, fixing of covers, making of gola complete job including floating cost of neat cement up to septic tank.	No.	15		
30	Earthwork excavation is trenches for foundation of pipes cables etc. not exceeding 1.5 m in width and for shafts, wells, cesspits and the like exceeding 10 m ² on plain including dressing the sides and ramming of bottoms, lifts up to 1.5 mtr. including getting out the excavated soil and disposal of surplus excavated soil as directed within lead o 50 mtr.	cum	38		
31	Refilling of the excavated earth in trenches, plinth sides of foundation etc .	cum	30		
32	Providing and laying in position cement concrete in 1:4:8 (1cement:4 Coarse Sand :8 Crushed Stone Aggregate 40 mm nominal size) excluding cost of centering and shuttering for all works up to plinth level, including all leads and lifts complete.	Cum	15		
33	Providing and laying plain cement concrete flooring 40 mm thick in 1:2:4 mix (1 cement:2 Coarse Sand: 4 Crushed Stone Aggregate 20 mm nominal size) without a floating coat of neat cement slurry at all floor levels including all leads & lifts complete.	Sqm	140		
34	Providing and fixing of form work of Timber Planking steel plates etc. including centering shuttering strutting and propping etc upto floor two level and incl. removing of the same.	Sft	104		

35	Making of Khuddas for the insertion of PVC pipes through the brick work, PCC, RCC and repairing the same.	No.	12		
Total (Part-I):-					

I further affirm that I have read and fully understood the eNIT Document and agree to abide by all the terms and conditions laid herein, which are being signed in token of my acceptance. In case, I fail to abide by the conditions or to complete the contract to the entire satisfaction of the Shrine Board, I will be liable to the penalties mentioned in the terms and conditions.

Yours faithfully,

Authorized Signatory _____

Name of the Bidder _____

Address: _____

Email: _____

Mobile No.: _____

PRICE BID - PART-II (Aluminium Works)

PRICE BID - PART-II (Aluminium Works)								
NAME OF WORK	BOQ FOR PROVIDING AND FIXING OF ALUMINIUM/WOODEN DOORS AND WINDOWS FOR AYUSHMANN BHARAT EMPANEL WARDS AT SMVDNSH , KAKRYAL KATRA							
S.NO.	ITEM	UNITS	NOS.	LENGTH	BREADTH	QTY	RATE (Rs.)	AMOUNT (Rs.)
1	ALUMINIUM TRACK 125 X 40 MM AND FRAME SECTION OF 30 X 50 MM SIZE , POWDER COATED WINDOWS WITH 6MM THICK GLASS							
	W1	SQM	3	1.5	1.2	5.4		
	V1	SQM	4	1.5	0.9	5.4		
	TOTAL AMOUNT = (1)=						10.8	
2	ALUMINIUM FIXED POWDER COATED WINDOWS 50 X 63.5 MM WITH 6MM THICK GLASS							
	FW	SQM	10	1.5	1.2	18		
	TOTAL AMOUNT = (2)=						18	
3	SAAL WOOD DOOR FRAME/CHOWKHAT 62.5 X 125 MM WITH PAINT							
	FD (FIRE DOOR)	RM	2	5.4		10.8		
	D1	RM	5	6		30		
	D2	RM	1	5.7		5.7		
	D3	RM	6	5.55		33.3		
	D4	RM	1	5.33		5.33		
	D4a	RM	1	5.4		5.4		
	D5	RM	8	5.2		41.6		
	D5a	RM	2	5.2		10.4		
	D5b	RM	5	5.2		26		
	D6	RM	10	5		50		
TOTAL AMOUNT = (3)=						218.53		
4	WOODEN FLUSH DOOR 34MM THICK WITH APPROVED LAMINATE FINISH ON BOTH SIDES WITH (GLASS VISION PANNEL 350MM X 750MM OF 6MM THICK) ON OPENABLE DOORS AND (FIRE RATED GLASS ON FIRE DOORS)							

4.a	FD (FIRE DOOR)	SQM	2	1.2	2.1	5.04		
TOTAL AMOUNT = (4.a)=						5.04		
4.b	D1	SQM	5	1.8	2.1	18.9		
	D2	SQM	1	1.5	2.1	3.15		
	D3	SQM	6	1.35	2.1	17.01		
	D4	SQM	1	1.13	2.1	2.373		
	D4a	SQM	1	1.2	2.1	2.52		
	D5	SQM	8	1	2.1	16.8		
	D5a	SQM	2	1	2.1	4.2		
	D5b	SQM	5	1	2.1	10.5		
	D6	SQM	10	0.8	2.1	16.8		
TOTAL AMOUNT = (4.b)=						92.253		
5	WOODEN BEEDING 30 X 8 MM ON DOOR FRAME/CHOWKHAT TO COVER JOINTS BETWEEN THE FRAME AND WALL							
	FD (FIRE DOOR)	RM	2	5.4		10.8		
	D1	RM	5	6		30		
	D2	RM	1	5.7		5.7		
	D3	RM	6	5.55		33.3		
	D4	RM	1	5.33		5.33		
	D4a	RM	1	5.4		5.4		
	D5	RM	8	5.2		41.6		
	D5a	RM	2	5.2		10.4		
	D5b	RM	5	5.2		26		
	D6	RM	10	5		50		
TOTAL AMOUNT=(5)=						218.53		
6	<u>HARDWARE</u>	<u>UNIT</u>	<u>NOS.</u>	<u>PCS.</u>		<u>QTY</u>	<u>RATE</u>	<u>AMOUNT</u>
a)	HANDLE/BAR	PAIR	51	106		51		
b)	LOCK(DEADLATCH LOCK)	PCS	41	41		41		
c)	DOOR CLOSER	PCS	51	53		53		
d)	HINGES	PCS	204	204		204		
e)	KICK PLATE (D1 ONLY)	PCS	10	10		10		
f)	DOOR STOPPER	PCS	34	36		36		
g)	TOWER BOLT	PCS	53	51		53		
h)	DORMA BB4330 SS BALL BEARING BUT HINGE 100 X 75 X 3MM(FOR FIRE DOOR)	PCS	8	8		8		
i)	PUSH BAR (FOR FIRE DOOR)	PCS	2	2		2		
j)	DORMA CLOSER TS 68 WITH STANDARD ARM SILVER FINISH (FOR FIRE DOOR)	PCS	2	2		2		

k)	SCHOTT FIRE RATED CLEAR GLASS W200 X H300 (FOR FIRE DOOR)	PCS	2	2		2		
l)	GUARDIAN SS 304 GRADE PULL HANDLE ph1250 CTC 250 19MM DIA BLACK (FOR FIRE DOOR)	PCS	2	2		2		
TOTAL AMOUNT OF HARDWARE= (6)=								
Total (Part-II):								

I further affirm that I have read and fully understood the eNIT Document and agree to abide by all the terms and conditions laid herein, which are being signed in token of my acceptance. In case, I fail to abide by the conditions or to complete the contract to the entire satisfaction of the Shrine Board, I will be liable to the penalties mentioned in the terms and conditions.

Yours faithfully,

Authorized Signatory _____

Name of the Bidder _____

Address: _____

Email: _____

Mobile No.: _____

PRICE BID - PART-III (Electrification Works)

Advertised BOQ for Electrification of Ayushman Bharat Ward at SMVDNSH, Kakryal					
S.No.	Description	Unit.	Qty.	Rate (Rs.)	Amount (Rs.)
Part-A	Supply, installation, testing and commissioning				
A	<u>M.V.DISTRIBUTION BOARDS</u>				
A1	Supply, installation, testing and commissioning of M. V. Distribution Boards suitable for 415V, 3 phase, 4 wire, 50Hz distribution system. The panel shall be free standing, floor mounting, sheet metal enclosed, flush front with aluminium busbars, separate earth bus shall be provided throughout the length of the panel. The incoming and the outgoing feeder breakers, switch fuse units, change over switches, indicating lamps, meters etc. shall be accommodated in a modular multitier arrangement. A minimum of 400mm clearance shall be given from the floor level to the bottom most termination point. The painting shall be done in conformity with IS code.				
	Adequate size cable alley shall be provided all round the panel and at the back for easy bending and terminations. The outgoing feeders inside the panel shall be connected through solid busbars. Flexible cable links are not acceptable. Busbars shall be provided with PVC heat shrinkable sleeves or heat resistant insulated paint. The panels shall be suitable for cable entry from top/bottom. The copper earth strip of adequate size in 2runs shall run throughout the perimeter of the bottom of the panel. The panel shall be fabricated only after the approval of fabrication drawings by the consultant. All indoor panels should be of IP42 and all outdoor panels should be of IP55 protection and with lockable arrangement. The rates include all civil works like foundation, grouting etc.,				
	Fabrication of panels: The shell of the enclosure shall be of 12 SWG CRCA sheet for outdoor panels & 14 SWG CRCA sheet for indoor type panels and internal compartments / barriers of 16 SWG CRCA sheet, MS supports are to be provided to suit the mounting of switchgear and components. The enclosure for outdoor panels shall be duly painted with 2 coats of primer with 2 coats of enamel spray paint. The enclosure for indoor panels shall be duly painted with 2 coats of powder coating of a required shade.				
	1. The Panel shall be fully as per the requirement of CEIG /EB				
	2. Auxiliary contactor to be provided along with auto-manual switch where ever required.				
	3. All Breakers both Incoming & Outgoing shall have LED 'ON / OFF / TRIP' indications without fail.				
	4. CTs shall be with dual ratio and cast resin type only.				
	5. For Capacitors earthing shall be provided.				
	6. Circuit Breakers shall confirm IS 13947-2/IEC 947-2				

	7. All doors to have double rubber gasket with shutter assembly & door seating frame.				
	8. All AC feeders will have time delays of 0-60 Seconds with timers.				
	9. The current density for AL busbars shall be 0.8 only.				
	10. The current density for CU busbars shall be 1.25 only.				
	11. All UPS outgoing panels shall have neutral busbars double the size of phase.				
	12. TP means three pole				
	13. TPN means 4 pole breaker with 50% neutral				
	14. 4P means Four Pole breaker with 100% neutral				
	15. Unless specified as 3.5 pole breaker, 4 pole means 4 pole ONLY.				
	16. All breakers to have breaker manufacturer's factory made Spreaders.				
	17. All breakers to have breaker manufacturer's factory made Separators.				
	18. In any case Aluminium bus bars should not be connected directly to the breaker without spreaders.				
	19. The control wiring has to be in Troughs of appropriate size				
	20. Irrespective of the Capacity all breakers shall be connected to the breakers using Bus bars only. Cables of any make will never be accepted.				
	21. All vertical bus bars in bus bar alley shall have bottom supports.				
	22. Panel earthing strip should come out vertically on top or bottom of the panel depending on the cable entry.				
	23. Earthing bus shall be coated to give a look of tin.				
	24. Door earthings shall be provided for all doors.				
	25. Base frame shall be with each panel. The size will be equal to each section.				
	26. Bi-metallic tape / washers to be used where ever copper & Aluminium are joined.				
	27. All test certificates must be provided immediately after commissioning.				
	28. SAFETY CERTIFICATE FOR THE PANELS SHALL BE PRODUCED FROM CEIG.				
	29. Approval shall be taken for all panel including interlocking schemes proposed before fabrication.				
	30. Gland earthing to be considered for all Cable terminations.				
	31. Transparent Acrylic sheets to be used for panel safety coverings				
	Please refer SLD for panel details				
1	Change over panel				
	Indoor type - IP55				
	Incoming: Cable				
	Outgoing: Cable				
	Cable Entry: Bottom				

	Cable Exit: Bottom				
	Panel comprises of				
a	One (1) - Incoming feeder having				
	One (1) - 125Amps, 4P, Automatic change over switch				
	One (1) - 125A, TP+NL, 25kA, MCCB with overload, short circuit and earth leakage protection, with accessories as required. (Thermal based Release)				
2	Block Main Panel				
	Indoor type - IP43				
	Incoming: Cable				
	Outgoing: Cable				
	Cable Entry: Top				
	Cable Exit: Top				
	Panel comprises of				
2.1	Incoming feeders				
a	One (1) - Incoming feeder having for EB side				
	One (1) - 125A, 4P, 25kA, MCCB with overload, short circuit and earth leakage protection, with accessories as required. (Thermal based Release)				
	One (1) No. CBCT earth leakage relay(1-8A)				
	One(1) -set phase indicating lamps with MCB / fuses				
	One(1) -set ON/OFF/TRIP indicating lamps with fuses.				
	Three (3) – 150/5A,10VA, CI 1.0 CTs for MFM (Multi-function Meter)				
	One(1) - Digital multi-function meter capable of reading kVA, kW, kWh, power factor, voltage and Amp rating.				
	Three (3) – 150/5A,10VA, CI 1.0 CTs for APFCR				
	One (1) - APFCR relay				
	One(1) - Surge Protection Device with fuses or MCB's and wirings.				
b	One (1) - Set 3 phase, 4wire, 50Hz, 415V, 125A, 25kA, Aluminium bus bars and Neutral Link for all outgoing.				
2.2	Outgoing feeders				
a	Four (4) - outgoing feeders each having				
	One (1) – 63A, 4P, 10kA, MCB ('D'-curve)				
b	Eight (8) - outgoing feeders each having				
	One (1) – 40A, 4P, 10kA, MCB ('D'-curve)				
c	Five (5) - outgoing feeders each having				
	One (1) – 25A, 4P, 10kA, MCB ('D'-curve)				
d	Two (2) - outgoing feeder having				
	One (1) – 40A, DP, 10kA, MCB ('D'-curve)				
e	Two (2) - outgoing feeder having				
	One (1) – 25A, 4P, 10kA, MCB ('C/D'-curve)				
f	One (1) - outgoing feeder having				
	One (1) – 40A, 4P, 10kA, MCB ('C/D'-curve)				
	One (1) - 24x7 Timer with contactor for street lighting				

g	One (1) - Outgoing feeder having				
i)	One (1) - sub incomer of				
	One (1) - 63A, 4P, 10kA, MCCB with overload, short circuit and earth leakage protection, with accessories as required. (Thermal based Release)				
	Three (3) – 75/5A,10VA, CI 1.0 CTs for Ammeter				
	One(1) - 0-75A Ammeter with selector switch and other accessories				
ii)	One (1) - sub busbar				
	63A, TP, 10kA, Al Busbar				
iii)	Three (3) - outgoing feeders each having				
	One (1) - 32A, TP, 10kA, 'C'-curve MCB				
	One (1) - 32A, TP contactor, capacitor switching duty, coil voltage 1ph, 240V, 50Hz.				
	One (1) - 5kVAR capacitor with internal wiring and protective devices.				
iv)	Two (2) - outgoing feeders each having				
	One (1) - 25A, TP, 10kA, 'C'-curve MCB				
	One (1) - 25A, TP contactor, capacitor switching duty, coil voltage 1ph, 240V, 50Hz.				
	One (1) - 3kVAR capacitor with internal wiring and protective devices.				
	Panel as above	NO	1		
3	Lift Panel				
	Indoor type - IP43				
	Incoming: Cable				
	Outgoing: Cable				
	Cable Entry: Top				
	Cable Exit: Top				
	Panel comprises of				
3.1	Incoming feeders				
a	One (1) - Incoming feeder having				
	One (1) – 40A, 4P, 10kA, MCB ('D'-curve)				
	One(1) -set phase indicating lamps with MCB				
3.2	Outgoing feeders				
a	One (1) - outgoing feeder having				
	One (1) – 25A, 4P,10kA, MCB, 'D'-Curve				
	One (1) – 25A, 4P, 200mA, ELCB				
b	Two (2) - outgoing feeders each having				
	One (1) – 25A, DP,10kA, MCB, 'D'-Curve				
b	One (1) - outgoing feeder having				
	One (1) – 25A, DP,10kA, MCB, 'D'-Curve with metal clod socket				
	Panel as above	NO	2		
A2	DISTRIBUTION BOARDS				
	Supply, installation, testing and commissioning of 500V distribution Boards (single/double door type) as per the following specification.				
	i) Copper busbar together with tapped neutral bar for individual phases				
	ii) Copper earth strip with tapping for EEC				

	iii) Busbar mounting MCB's individually lockable in off position				
	iv) Interconnections and earthing				
	v) Sheet steel enclosure(self-extinguishing with non toxicity & non-opaque smoke - V0 deg) suitable for recessed or surface mounting with lockable doors.				
	vi) Phase to Phase barriers in case of 3 Phase Boards				
	vii)Necessary support frame & painting, labelling, phase indicating lamps with fuses etc.				
	viii)The Switching material should be fully Metallic with trip free mechanism & the metal part should be galvanic coating.				
	ix)Required AI trunking from the ceiling to the DB to carry R,Y,B Phase wires individually as required in a open able trunking.				
	x) All SPN SB's should be single door and all TPN DB's should be double door				
4	7-segment TPN DB's				
	6-WAY TPN DB As per SLD				
	DB comprises:				
a	Incomer having				
	One (1) – 40A, 4P,10kA, MCB - 'C'-Curve				
b	Three (3) - Sub incoming feeders each having				
	One (1) – 32A, DP, 100mA, ELCB				
c	Eighteen (18) - Outgoing feeders each having				
	One (1) – 10/20A, SP, 10kA, MCB - 'C'-Curve				
	DB as above	NO	1		
5	7-segment TPN DB's				
	8-WAY TPN DB As per SLD				
	DB comprises:				
a	Incomer having				
	One (1) – 40A, 4P,10kA, MCB - 'C'-Curve				
b	Three (3) - Sub incoming feeders each having				
	One (1) – 32A, DP, 100mA, ELCB				
c	Twenty Four (24) - Outgoing feeders each having				
	One (1) – 10/20A, SP, 10kA, MCB - 'C'-Curve				
	DB as above	NO	1		
6	7-segment TPN DB's				
	12-WAY TPN DB As per SLD				
	DB comprises:				
a	Incomer having				
	One (1) – 63A, 4P,10kA, MCB - 'D'-Curve				
b	Three (3) - Sub incoming feeders each having				
	One (1) – 40A, DP, 100mA, ELCB				
c	Thirty six (36) - Outgoing feeders each having				
	One (1) – 10/20A, SP, 10kA, MCB - 'C'-Curve				
	DB as above	NO	1		
7	VTPN (Vertical TPN MCB) DB's				
	12-WAY VTPN DB As per SLD				
	DB comprises:				

a	Incomer having				
	One (1) – 63A, 4P, 10kA, MCB - 'C'-Curve				
b	Ten (10) - Outgoing feeders each having				
	One (1) – 20/25/32A, TP, 10kA, MCB - 'C'-Curve				
c	Six (6) - Outgoing feeders each having				
	One (1) – 20/25/32A, SP, 10kA, MCB - 'C'-Curve				
	DB as above	NO	1		
A3	ISOLATORS				
	Design, supply, installation, testing and commissioning of following, MCB/MCCB isolator box, wall mounted (surface) as per drawings and specifications and as required with metal enclosure. The metal box shall be of sheet steel enclosure suitable for single phase or three phase MCBs/MCCBs. All wires inside shall be terminated using copper end terminations. All isolator box shall be IP43 protected for indoor applications and IP ⁵⁶ for outdoor applications.				
	63A, 4P, 10kA, MCB ('D'-curve) in a metal enclosure (IP-56)	No	1		
	16A/20A/25A/32A, 4P, 10kA, MCB ('D'-curve) in a metal enclosure (IP-43)	No	6		
		Total =			
B	<u>EARTHING SYSTEM</u>				
1	Supply, installation, testing and commissioning of GI Pipe in Pipe earthing as per IS 3043-1987 with 80mm dia-Outer pipe and 40mm dia-Inner pipe, pipe electrode (length 3M) made out of mild steel tubes and hot dip galvanized with 100 micron coating outside and 300micron coating inside filled with high conductive and corrosion resistant crystalline mixture. The earth pit shall be filled with backfilled compound (having good enhancing material) as per standard practices and specifications. (Maintenance free copper earthing)	No	10		
2	Supply, installation, testing and commissioning of Cu Pipe in Pipe Chemical earthing as per IS 3043 with 50mm Dia Outer Pipe, and 30mm Dia Inner Pipe, both of thickness 2mm, 3M length Electrolytic Copper Earthing Electrodes. The earth pit shall be filled with sufficient quantity Ultra High conductive backfill compound with necessary accessories like lockable Pit cover and Copper inspection plate etc, complete as required as per standard practices and specifications. (Maintenance free copper earthing)	No	1		
3	Providing and laying earthing conductors of GI strip/wire including necessary accessories, clamping to walls, cables etc. as required and interconnection between lengths as per specifications and as per good installation practice. The rate shall include all supports, accessories and hardware necessary for proper installation.				
3.1	25 x 6mm G.I strip.	Rm	200		
3.2	25 x 3mm G.I strip.	Rm	250		

4	Providing and laying earthing conductors of copper strip/wire including necessary accessories, clamping to walls, cables etc. as required and interconnection between lengths as per specifications and as per good installation practice. The rate shall include all supports, accessories and hardware necessary for proper installation.				
4.1	8SWG PVC insulated Cu Wire	Rm	200		
4.2	10SWG PVC insulated Cu Wire	Rm	200		
				Total =	
C	<u>M.V.CABLES</u>				
1	Supply, laying, testing and commissioning of heavy duty power cable of 1100V grade XLPE cable having Aluminium conductor, extruded Flame retardant PVC outer sheathing steel wire/tape armoured / unarmoured indoor or outdoor. The cables shall be laid in concrete trenches or buried directly underground or on cable trays. The concrete trenches will be measured separate. The cost of the cable trays or ladders, excavation and back filling of trenches will be measured separate. the unit cost of the cable shall include clamps, fasteners etc. as required for proper installation.				
1.1	3 1/2C x 150 sq. mm, Al. Ar. XLPE Cable	Rm	350		
1.2	3 1/2C x 95 sq. mm, Al. Ar. XLPE Cable	Rm	30		
1.3	4C x 16 sq. mm, Al. Ar. XLPE Cable	Rm	50		
1.4	4C x 10 sq. mm, Al. Ar. XLPE Cable	Rm	180		
2	Providing & Install cable terminations for the above cables including single / double compression type chrome plated brass glands and lugs (crimping type), PVC taping as required and all accessories complete. (Upto 50sq.mm single compression & above 50sq.mm double compression Glands)				
2.1	3 1/2C x 150 sq. mm, Al. Ar. XLPE Cable	No.	8		
2.2	3 1/2C x 95 sq. mm, Al. Ar. XLPE Cable	No.	6		
2.3	4C x 16 sq. mm, Al. Ar. XLPE Cable	No.	8		
2.4	4C x 10 sq. mm, Al. Ar. XLPE Cable	No.	10		
3	Supply, laying, testing and commissioning of heavy duty power cable of 1100V grade XLPE cable having Copper conductor, extruded Flame retardant PVC outer sheathing steel wire/tape armoured / unarmoured indoor or outdoor. The cables shall be laid in concrete trenches or buried directly underground or on cable trays. The concrete trenches will be measured separate. The cost of the cable trays or ladders, excavation and back filling of trenches will be measured separate. the unit cost of the cable shall include clamps, fasteners etc. as required for proper installation.				
3.1	4C x 10 sq. mm, Cu. Ar. XLPE Cable	Rm	120		
3.2	4C x 4 sq. mm, Cu. Ar. XLPE Cable	Rm	200		
3.3	3C x 6 sq. mm, Cu. Cable	Rm	160		
3.4	3C x 4 sq. mm, Cu. Cable	Rm	160		

4	Providing & Install cable terminations for the above cables including single / double compression type chrome plated brass glands and lugs (crimping type), PVC taping as required and all accessories complete. (Upto 50sq.mm single compression & above 50sq.m				
4.1	4C x 10 sq. mm, Cu. Ar. XLPE Cable	No.	6		
4.2	4C x 4 sq. mm, Cu. Ar. XLPE Cable	No.	16		
4.3	3C x 6 sq .mm, Cu. Cable	No.	6		
4.4	3C x 4 sq. mm, Cu. Cable	No.	6		
5	Supply, and installation of Perforated type powder coated with approved colour from architect cable trays with all its necessary accessories and supporting frames etc, complete as required as per site condition. Rate includes the 2Runs 25x3 GI Flat along this.				
5.1	200mm wide tray(with 25x6mm MS angle & 20x4mm MS flats)	Rm	20		
5.2	300mm wide tray(with 25x6mm MS angle & 20x4mm MS flats)	Rm	20		
6	Supplying and fixing raceways of following sizes made of 1.6 mm thick Pregalvanised sheet complete with cover. The race way will be fixed to wall / ceiling/columns/floor with necessary interconnections, GI hardware to make the installation complete, including minor civil works, including mounting clamps. (Floor Raceway)				
6.1	150 x 40mm Single Compartment Raceway	Mtrs.	10		
7	Supplying and fixing raceways of following sizes made of 2 mm thick PVC raceway complete with cover. The race way will be fixed to wall / ceiling/columns/floor with necessary interconnections, all hardware to make the installation complete, including minor civil works, including mounting clamps.				
7.1	150 x 40mm Single Compartment Raceway	Mtrs.	10		
7.2	100 x 40mm Single Compartment Raceway	Mtrs.	10		
7.3	50 x 40mm Single Compartment Raceway	Mtrs.	10		
8	Supply & Installation of MS Flat supports with 2 coats of red oxide primer and 2 coats of paint of approved colour and with all necessary accessories as per site.	kg	80		
					Total =
D	<u>WIRING SYSTEM (ALL WIRES SHOULD BE FRLS & CONDUITS SHOULD BE FRLS)</u>				
1	POINT WIRING				
	Provide all materials, accessories, labour etc. for wiring for lights, ceiling fans, exhaust fans, 6A sockets (where 6A sockets are connected to the lighting circuit) using 1.5sqmm PVC insulated stranded copper conductor FRLS wires of 650V grade drawn through 2mm thick FRLS PVC including supply and laying of conduits and its accessories concealed in the slab/wall, surface mounted/ above false ceiling using PVC pull/junction boxes, light outlet boxes, G.I.Switch outlet boxes, switch plates, 6A/16A one or two way switches, 6A switched socket etc., including testing and commissioning complete. The rate for point wiring shall include wiring from first switch point and then looping between the				

	points and switches. The rate shall also include the cost of providing 1no. 1.5sqmm PVC insulated copper conductor FRLS wire(earth wire) to connect all lights, switches sockets etc. (3Rx2.5Sq.mm Cu wires) (Front plate should be white colour for Raw Power and black colour for UPS)				
1.1	One (1) light point controlled by a 6A modular type switch	No	150		
1.2	One (1) light point controlled by two(2) no. 2 Way 6A modular type switches	No	13		
1.3	Set of two (2) light points controlled by a 6A modular type switch	No	4		
1.4	Set of three (3) light points controlled by a 6A modular type switch	No	2		
1.5	Wiring for 6A socket outlet connected to lighting circuit and providing 6A shuttered type five pin socket outlet with switch, G.I box etc. (Dependent point where the socket is within 1metre from any other control switch/switches)	No	10		
1.6	Wiring for 6A socket outlet connected to lighting / power circuit and providing 6A shuttered type five pin socket outlet with switch, G.I box etc. (Independent socket)	No	10		
1.7	Wiring for 2Nos 6A socket outlet connected to lighting / power circuit and providing 2nos 6A shuttered type five pin socket outlet with separate switches, G.I box etc.	No	10		
1.8	Wiring for 6A socket outlet connected to lighting / power circuit and providing 6A shuttered type five pin socket outlet with switch, G.I box etc. Switch & sockets are at different location FOR EXHAUST FAN & WALL FAN ALSO	No	2		
1.9	Ceiling fan point controlled by a 6A Modular key type switch. The rate shall include providing a 2module stepped electronic fan regulator, G.I.box, fan hook etc.	No	60		
2	LIGHTING CIRCUIT MAIN				
	Providing all materials, accessories and labour for wiring with conduits and accessories for light / fan circuit main using FRLS PVC insulated stranded copper conductor wires of 650V grade drawn through 2mm thick FRLS PVC conduit using necessary conduit accessories, G.I fish wire etc. The rate shall include the cost of providing PVC insulated stranded copper conductor FRLS earth wire in each conduit along with other circuit main wires.				
2.1	2 x 2.5sqmm + 1 x 1.5sqmm(earth) wires in 20mm dia 2mm thick FRLS PVC conduit	Rm	900		
3	POINT WIRING WITH MS CONDUIT (SURFACE MOUNTED INSIDE THE LIFT SHAFT)				
4	POWER CIRCUIT MAIN				
	Providing all materials, accessories and labour for wiring with 2mm thick FRLS PVC conduit and accessories for wiring 6A sockets, 6/16A sockets, 16/20A sockets single phase sockets using PVC insulated stranded copper conductor FRLS wires of 650V grade drawn through heavy gauge rigid PVC conduit using necessary conduit accessories, PVC pull / junction boxes, G.I fish wire etc. The wiring cost shall include cost of wires, conduit and its accessories and FRLS				

	earth wire. (The G.I outlet box and the socket will be measured separate).				
4.1	2 x 4.0sqmm + 1x 2.5sqmm (earth) wires in 25mm dia 2mm thick FRLS PVC conduit.	Rm	2100		
5	POWER RECEPTACLES				
5.1	Supply and installation of 6/16A, 5pin, combination type shuttered switched socket outlet with indicator lamp and G.I outlet box and moulded plastic cover plate as required including termination of wires.	No	40		
5.2	Supply and installation of 6/16A, 5pin, combination type shuttered switched socket outlet with indicator lamp and G.I outlet box and moulded plastic cover plate as required including termination of wires. Sockets & switches are at different location for AC and Geysers.	No	12		
5.3	Supply and installation of 2Nos of 6/16A, 5pin, combination type shuttered switched socket outlet with indicator lamp and G.I outlet box and moulded plastic cover plate as required including termination of wires	No	130		
				Total =	
E	TELEPHONE SYSTEM				
1	Supply and laying of 2mm thick FRLS PVC conduit with all necessary accessories like bends, collars, junction boxes, pull boxes, fish wire concealed /Surface mounting complete as required.,				
1.2	32mm dia conduit	Rmt.	200		
1.3	25mm dia conduit	Rmt.	250		
1.4	20mm dia conduit	Rmt.	150		
2	Supply and Installation of telephone socket outlet points (RJ11 jack) with MS box, plate concealed etc., all complete as required.	Nos.	18		
3	Supply and laying of outdoor multiplier 0.51mm dia annealed copper conductor of armoured PVC insulated and jelly filled telephone wires in the existing pipe/conduits etc., all complete as required.				
3.1	10 Pair cable	Rmt.	20		
4	Supply and laying of indoors multiplier 0.51mm dia annealed copper conductor of unarmoured PVC insulated a telephone wires in the existing raceways/conduits/ etc., all complete as required.				
4.1	20 Pair cable	Rmt.	10		
4.2	10 Pair cable	Rmt.	20		
4.3	2 Pair cable	Rmt.	600		
5	Supply and installation of Telephone tag block (TJB) with KRONE terminal connectors, G.I.J.B as specified and complete with all interconnections and jumper connections between the two Tag blocks on all floors complete as required.,				
5.1	20Pair TJB	Nos.	1		
5.2	10Pair TJB	Nos.	1		
				Total =	
F	T.V. SYSTEM				
1	Supply and laying of RG 11U tined copper co-axial cable with polythene insulation and overall PVC sheathed from various splitters to various tap offs in the existing raceway/conduits etc., all	Rmt.	100		

	complete as required. Rate including splitter boxes.				
2	Supply and laying of RG 6U tined copper co-axial cable with polythene insulation and overall PVC sheathed from antenna to control room and from control room to various floors splitter boxes in the existing pipe/conduits etc., all complete as required. Rate including splitter boxes.	Rmt.	100		
3	Supply and Installation of TV socket outlet with interconnection of outlet. The cover plate of TV antenna socket outlet in a suitable box.	Nos	6		
				Total =	
G	<u>NETWORK AND CCTV SYSTEMS</u>				
1	Supply and installation of data socket (RJ 45) outlet points with MS box, plate concealed etc., all complete as required.	Nos.	20		
2	Supply, Laying and testing, of the network cable conforming to TIA/EIA standards, in the existing conduit/raceways, rate shall include all the required items complete as required .,				
3	CAT 6 cable (quantity considered for CCTV, wifi, Data outlets and Nurse call system)	Rmt	2300		
4	Supply and installation of 48 port Jack Panel with fully loaded - AMP	No	1		
5	Supply installation and termination of 12U racks with all complete accessories	Nos.	1		
6	Supply installation and termination of 6U racks with all complete accessories	Nos.	1		
	Supply and installation of EPABX suitable for 5-incoming and 20-outgoing and expandable provision in future and the rate includes all accessories hardware and software.	Nos.	1		
				Total =	
H	<u>PA / MUSIC SYSTEM</u>				
1	Supply and laying of 2Cx1.0 sq.mm speaker wires with all accessories in existing conduit pipes.	Rmt.	200		
2	Supply, installation and commissioning of 6Watts wall mounted speaker	Nos.	10		
3	Supply, installation and commissioning of 240Watts amplifier with USB provision, 3.5 jack provision to connect PC, MIC and mobile phones. Supply includes the MIC also. Rate includes the installation and required mounting accessories.	Nos.	1		
				Total =	
I	<u>LIGHT FIXTURES</u>				
1	Installation, testing and commissioning of following type of light fixtures as per drawings and specifications with all other accessories such as connectors supporting rods / frames, anchor fasteners, necessary hardware etc., complete with all accessories to complete the installation as required. THD of electronic ballast & Light fixtures should be less than 10%.				
1.1	9/11W LED circular type recess mounted light fitting with acrylic diffuser	No	15		
1.2	13/15W LED circular type recess mounted light fitting with acrylic diffuser	No	5		

1.3	20W, LED surface Type 4-Feet Light with acrylic diffuser	No	2		
1.4	32W, LED square type (2x2) recess mounted direct /indirect down light with integrated frame & full opal acrylic diffuser.	No	8		
1.5	1 x 20W, Surface mounted patti type 4-feet LED Light fixture	No	110		
1.6	1 x 10W, Surface mounted patti type 2-feet LED Light fixture	No	32		
1.7	1 x 20W, Surface mounted patti type 4-feet LED Light fixture for mirror light.	No	2		
1.8	1 x 12W, LED Type Bulk Head Light with steel wire gaurd for Lift well lighting.	No	10		
1.9	1200mm sweep ceiling fan	No	58		
1.10	300mm sweep exhaust fan	No	2		
				Total =	
J	<u>MISCELLANEOUS ITEMS</u>				
1	Providing and fixing in position the best quality danger boards of approved shape and size as specified by the local electrical authorities written in English and local language.	No	1		
2	Providing and fixing in position 1.8m x 0.9m, 15mm thick 11kV grade, rubber mat of approved make and as required by authorities	No	1		
3	Supply and installation of checker plates for electrical and communication ducts	Sq.mtrs	2		
4	Supply & Installation of MS 2-Module Back Box (Switch) in wall as surface /recessed mounted for Nurse call system. The rate includes the chipping and fixing with all necessary accessories.	No	20		
				Total =	
				Total Cost Part-A =	
<u>Part-B</u>					
I	<u>LIGHT FIXTURES</u>				
1	Supply, Installation, Testing & Commissioning of following type of light fixtures as per drawings and specifications with all other accessories such as connectors supporting rods / frames, anchor fasteners, necessary hardware etc., complete with all accessories to complete the installation as required. THD of electronic ballast & Light fixtures should be less than 10%.				
1.1	9/11W LED circular type recess mounted light fitting with acrylic diffuser	No	15		
1.2	13/15W LED circular type recess mounted light fitting with acrylic diffuser	No	5		
1.3	20W, LED surface Type 4-Feet Light with acrylic diffuser	No	2		
1.4	32W, LED square type (2x2) recess mounted direct /indirect down light with integrated frame & full opal acrylic diffuser.	No	8		
1.5	1 x 20W, Surface mounted patti type 4-feet LED Light fixture	No	110		
1.6	1 x 10W, Surface mounted patti type 2-feet LED Light fixture	No	32		
1.7	1 x 20W, Surface mounted patti type 4-feet LED Light fixture for mirror light.	No	2		
1.8	1 x 12W, LED Type Bulk Head Light with steel wire guard for Lift well lighting.	No	10		

1.9	1200mm sweep ceiling fan	No	58		
1.10	300mm sweep exhaust fan	No	2		
		Total =			
II	<u>NETWORK AND CCTV SYSTEMS</u>				
1	Supply, Installation, Testing and Commissioning of 3.2 MP IP IR Dome indoor camera with voice recording.	Nos.	4		
2	Supply, Installation, Testing and Commissioning of 3.2 MP IP IR Varifocal Bullet outdoor camera with voice recording.	Nos.	2		
3	Supply, Installation, Testing and Commissioning of 16 Ch NVR with 4 SATA	Nos.	1		
4	Supply, Installation, Testing and Commissioning 4 TB Surveillance HDD (Hard Disk) (Storage capacity shall be minimum 1Month)	Nos.	1		
5	Supply and installation of 16 port POE with fully loaded - AMP	No	1		
		Total =			
III	<u>15kVA UPS, IGBT based with isolation transformer</u>				
1	Design, manufacture, supply, installation, testing and commissioning of 15kVA, IGBT based UPS with isolation transformer as detailed in technical specifications with connectivity between the UPS and the battery etc., complete as required. 3 phase in & 3 Phase out / 3 phase in & single phase out, with built-in active anti-harmonic filter, (internal cabling if any) for reducing input current to < 5% and improve PF to 0.95. The same shall be suitable for parallel redundant configuration. ONLY.RS 485 Mod bus to be provided for the integration The rate shall include the cost of wiring between battery terminals and UPS with necessary mounting arrangements, hardware etc complete. Phase sequencer to be included.	Set	1		
	UPS MAKE: APC / EMERSON / NUMERIC / SOCOMEC, Schneider.				
	BATTERY MAKE : AMARARAJA / EXIDE / AMRON				
		Total =			
IV	<u>NURSE CALLING SYSTEM BOQ</u>				
1	Supply and Installation of Micro controller based Indication wall Mount panel With the following facilities and expandable in future. The panels shall be inter linked such a way if any floor panel can give alarm to the other floor panel. The rate shall include the Nurse Response Monitor Software, installation, Communication Device with GPS Modem. <ul style="list-style-type: none"> • LED Display • Reset switch • Relay logic switch • Voice recording module • Mute switch • Battery management circuit • Wall mounting type enclosure • RS 485 networking chord • Code Blue Feature NCRM				

	+ GSM Set 1 2,50,000 - 2,50,000.00 - 2,50,000.00 1.1 Suitable for Emergency &				
1.1	Suitable for 9 Beds with Wall / Table Mounting Panel.	Nos	3		
1.2	Suitable for 8 Beds + 2Toilets with Wall / Table Mounting Panel.	Nos	1		
1.3	Suitable for 6 Beds + 14Toilets with Wall / Table Mounting Panel.	Nos	1		
2	Supply and Installation of Call unit with Switches & code blue like • Membrane Type Call Switches with bell indicator • LED Indicator • Membrane Type Reset Switch • Compatible for hand held call unit Mounted On Standard electrical 2 module plate near the Bed	Nos	41		
3	Supply and Installation of Hand held Call unit with switches & code blue like • Membrane type call switch with bell indication • Sleek ABS Plastic moulded enclosure • Flexible chord with connector for easy installation	Nos	41		
3	Supply and Installation of Call Indicator mounted outside the room mounted on standard electrical 2 module plate	Nos	8		
4	Supply and Installation of Pull Card for Bath room / toilets	Nos	16		
				Total =	
				Total Part- A + B =	

TOTAL OF ANNEXURE-"C" PART-I (Civil Works):	
TOTAL OF ANNEXURE-"D" PART-II (Aluminium Works):	
TOTAL OF ANNEXURE-"E" PART-III (Electrical Works):	
GRAND TOTAL (PART-I + II + III):	

I further affirm that I have read and fully understood the eNIT Document and agree to abide by all the terms and conditions laid herein, which are being signed in token of my acceptance. In case, I fail to abide by the conditions or to complete the contract to the entire satisfaction of the Shrine Board, I will be liable to the penalties mentioned in the terms and conditions.

Yours faithfully,

Authorized Signatory _____

Name of the Bidder _____

Address: _____

Email: _____

Mobile No.: _____