



E-Tender No. 10/2025-26

**Tender Document for Comprehensive Development of Wall and Pedestal
Featuring Civil, Electrical, and Horticultural Work for the Placement of
Tanks, Artillery Guns and near areas at Pandit Deen Dayal Upadhyaya**

Shekhawati University, Sikar (Raj.)

Important Dates:

Date of Publishing	: 22.12.2025
Last Date for Submission Tender	: 31.12.2025 (at 5.00 PM)
Date of opening of Tender	: 01.01.2026 (at Registrar Office)
Cost of E-Tender Document and Fee	: 3000/-*
Estimated Cost of Tender	: 60,00,000/-
EMD Bid Security for the tender cost @ 2% : 1,20,000/-*	
E-Tender processing fee in favour of	: 1500/-
MD, RISL Jaipur	

***Note: Demand Draft/Banker's Cheque in favour of Registrar, Pandit Deendayal Upadhyaya Shekhawati University payable at Sikar**

Detailed Notice inviting Tender:

- Sealed quotations are invited only from the reputed firms/company etc for the Civil Work of two walls and Structure work of T-55 Tank & two RCL 1A Artillery Guns with beautification (Horticulture).
- Interested firms/companies etc. should submit the application form in a sealed envelope super scribbling "Quotation for Development of Wall and Pedestal Featuring Civil, Electrical, and Horticultural Work for the Placement of Tanks, Artillery Guns and near areas" should be addressed to 'The Registrar, Pandit Deendayal Upadhyaya Shekhawati University, Sikar, Raj.'
- The last date of submission tender is 31.12.2025 at 5.00 P.M. & Date of opening of Tender is 01.01.2026. University reserves the right to accept or reject any tender without assigning any reason to the agencies.
- The details about the terms and conditions are given in the tender form which shall be part of the Contract/Agreement. The participants are required to read and understand it properly before submission of the



Sr No	Name of the Item	Particulars	Proposed Qty
1.	Civil work and Beautification of T-55 Tank	<p>Work includes:</p> <ol style="list-style-type: none"> 1. Civil Work for installation of tank 2. Horticulture work near by tank 3. Interlocking and safety related work for tank 4. Painting, Lighting & Writing work inscribed on stone 	01
2.	Civil work and Beautification of two RCL 1A Artillery Guns	<p>Work includes:</p> <ol style="list-style-type: none"> 1. Civil Work for installation of guns 2. Horticulture work near by guns 3. Interlocking and safety related work for guns 4. Painting, Lighting & Writing work inscribed on stone 	02
3.	Civil work of two walls for Mural Installation	<ol style="list-style-type: none"> 1. Each wall should be prepared in a manner so that available mural installation space will be 11X22 ft 2. Lighting work for clear visibility of entire wall 	02

Terms & Conditions:

1. No separate quotation paper will be issued from the office. The quotation should be submitted on their own letter pad, as per annexures attached with this format with the supporting documents.
2. The application form should be signed by the partners/proprietor/director/managing director of the concerned reputed firms/company etc. bearing his/her name and address, mobile number, and email id clearly indicated below the signature along with the official seal.
3. In the event of any kind of holiday, the quotations shall be opened on the next working day.
4. The tendering firms/company etc. shall have to submit a copy of the



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Incorporation Certificate with the quotation.

5. The tendering firms/company etc. must have proper PAN Card & copy of the same shall have to be enclosed with the quotation.
6. The tendering firms/company etc. shall have to submit a copy of the ITR (Income Tax Return) of the last Financial Year with the acknowledgement.
7. The quantity may be increased or decreased at the time of placing the order as per requirement.
8. The rate must be inclusive of delivery, Taxes etc & others; no additional charges will be paid.
9. The bid shall be valid up to 180 days from the date of the opening of the tender documents.
10. The Bidder shall do a mandatory site visit and attach the report duly signed by the concerned officer of the university.
11. The Bidder shall submit the technical drawings of the pedestal and wall to be attached to the technical bid part.
12. The purchaser will confirm the number of items after receiving the rate per item as mentioned above by issuing of Work Order/Supply Order.
13. The competent authority, reserves the right to amend or withdraw any of the terms & conditions contained in the document or to reject any or all the tenders in whole or in part without giving any notice or assigning any reason.
14. Decision of the competent authority, in the selection of vendor will be final and binding and no further correspondence will be entertained.



Submission and opening of Tender

Submission of Tender: The tender can be submitted on all working days. The last date for submission of the tender is on or before 31.12.2025 up to 05.00 PM.

Two-bid system: The offers/bids should be submitted in two-bid system (i.e.) Technical bid and Financial bid.

The Technical bid should consist of all the details as specified in the schedules along with commercial terms and conditions. There should be no cost indication in the Technical bid. Financial bid should indicate “Rates” mentioned in the technical bid. The technical bid and financial bid should be put in two separate covers.

“Technical Bid” and “Financial Bid” must be written on these covers clearly and the covers should be sealed. Again these two sealed covers should be put into a bigger cover along with Tender Fee Receipt and EMD and sealed.

The tender without EMD shall be considered as UNRESPONSIVE and REJECTED. Photo/Fax copies of the demand draft/Banker pay orders shall not be accepted. The EMD of the unsuccessful bidder will be released within 15 days after the finalization of the contract. No interest will be paid on EMD. The EMD shall stand forfeited in the event of premature withdrawal or amendment of the bid/tender, or if the bidder impairs or derogates from the tender in any respect during the period of bid, or in case successful bidder fails to sign or accepts the contract within the stipulated period.

Authority to sign: All the documents must be duly signed by the bidder. If an individual or a proprietor of a firm is a signatory, he/she should sign above the



full type written name and current address. In case of a partnership firm, all the partners of the firm or a partner holding power of Attorney for the firm (a certified copy of the power of Attorney should accompany the Documents) should sign in this case. In both cases, a certified copy of the partnership Deed and current address of all the partners of the firm should be furnished. In case of a limited Company or a Corporation, the Documents shall be signed by a duly authorized person holding power of Attorney for signing the Documents, accompanied by copies of the power of Attorney and the Memorandum of Articles of Association duly attested by a Notary Public. In case of a Registered Society, the Documents shall be signed by a duly authorized person holding power of Attorney for signing the Documents, accompanied by copies of the power of Attorney and the By Laws of Society duly attested by a Notary Public. The bidder should sign and stamp each page of the tender document as a token of having read and understood the terms & conditions contained therein and submit the same along with the bid. No photocopies of this tender document will be accepted.

Compliance/Confirmation: Compliance or Confirmation report with reference to general terms & conditions and requirement for running the dining facility should also be included in the Technical bid.

Late offer: The offers received after the due date and time will not be considered.

Opening of the tender: The offer/bids will be opened by a committee duly constituted for this purpose at the appointed place, time and date, in the presence of such bidders or their authorized representatives who choose to be present. The larger envelope (containing a covering letter, Tender Fee Receipt, EMD and two separate covers with technical/financial bids) will be opened first. Without EMD or Tenders with invalid EMD or EMD presumably kept inside the covers containing technical/financial bids will be summarily rejected.



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On verifying the Tender Fee Receipt and EMD, the technical bids will be opened. The committee will examine the technical bids and decide the suitability as per the following specifications and requirements. The bidders, Whose Technical Bids are not found acceptable their sealed cover containing financial bid will not be opened and EMD will be returned to them.

1. The details may be filled in the tender documents itself in the space provided against each item. However if required separate sheet may also be enclosed and it is advised to enclose the copies of testimonials in support of GST, PAN etc. along with the tender document.
2. Tenders shall enclose Earnest Money Deposit (EMD) of Rs. 1,20,000/- (Rs. One Lakh Twenty Thousand only) in the form of Demand Draft drawn in favour of Registrar, Pandit Deendayal Upadhyaya Shekhawati University, Sikar payable at Sikar. Tender Document submitted without prescribed Earnest Money Deposit (EMD) shall be summarily rejected.
3. Both the Technical Bid & Financial Bid should be placed in Separate Sealed envelopes and both sealed in one bigger envelope. All envelopes containing Tender Document shall be properly sealed and superscripted as **“Comprehensive Development of Wall and Pedestal Featuring Civil, Electrical, and Horticultural Work for the Placement of Tanks, Artillery Guns and near areas at Pandit Deendayal Upadhyaya Shekhawati University”**.

Envelope I –Technical Bid, Undertaking & EMD. Envelope II – Financial Bid

4. The envelope containing sealed tender shall be addressed to Registrar, Pandit Deendayal Upadhyaya Shekhawati University, Sikar.
5. No Tenders shall be accepted after due date and time.
6. This office will not be responsible for any postal delay or wrong delivery.



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7. Technical Bid will be opened on 01.01.2026 in the presence of Tenderers or their authorized representatives and for opening of financial bid date, time and venue will be conveyed to the technically qualified tenderers by post/telephonically.
8. The Pandit Deendayal Upadhyaya Shekhawati University, Sikar will have full authority to reject any/all offers without assigning any reasons. Any enquiry after submission of the tender will not be entertained.
9. Before submitting the tender, the Tenderer must ensure that they strictly fulfill all the eligibility conditions to avoid rejection of their tender.
10. The Agency submitting the Tender would be presumed to have considered and accepted all the terms & conditions of this tender. No enquiry, verbal or written shall be entertained in respect of acceptance/rejection of tender.
11. Tenders should be sent at office of Registrar, Pandit Deendayal Upadhyaya Shekhawati University, Sikar on 31.12.2025 till 05:00 pm. No tender will be accepted after 05:00 pm on 31.12.2025.



E-Tender No. 10/2025-26: Comprehensive Development of Wall and Pedestal Featuring Civil, Electrical, and Horticultural Work for the Placement of Tanks, Artillery Guns and near areas at Pandit Deendayal Upadhyaya Shekhwati University

TECHNICAL BID

Technical Bid should indicate following information along with the self-attested photo copies of supporting documents:

Sl. No	Particular
A.	Annual Turnover of Company shall be minimum Rs. 50.00 Lakhs (Rupees Fifty Lakhs) and above in last financial year. (Please enclose copy of C.A. Certified Balance Sheet and Profit & Loss Account to be attached with UDIN No)
B.	Experience of similar services offered by firm for university/Institute/reputed Organization of minimum 50 lakhs. (Enclose the document)
C.	The Agency shall furnish details of any legal case or any issues, if any, pending in any court of law against them or the concerned authorities, especially with regard to any violation in the statutory laws, etc. The bids of such tenderers having any pending/ongoing/contemplated issues relating to Income Tax, Sales tax etc. and on concealment of any such information will be liable to be rejected straightaway without any notice.
E	Site Visit Details with Design & Drawings showcasing wall and pedestal. (Signed Copy to be enclosed with technical Bid) <i>Note: Site Visit is mandatory with duly signed from concerned university staff/person and allowed for 7 days from bid start date.</i>
F.1.	Name of the applicant/Firm :
F.2.	Address of the Registered Office:



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F.3.	Type of Organization: (whether proprietorship, partnership, Private Ltd., Certified copy of a Partnership deed/ Certificate of Incorporation/ Certificate of Registration issued by the Registrar of Cooperative Societies/ as the case may be enclosed)
F.4.	Name of the Proprietor, Partners/Directors of the Firm with Address and Phone Number
F.5.	PAN Card [Photocopy to be attached]
F.6.	GST, Registration No.: [Photocopy to be attached] (If applicable)
F.7.	Whether 24x7 service and support will be available

Authorized Signatory of the Bidders with Seal



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(Annexure A)

BIDDERS INFORMATION DETAILS INFORMATION FORM (On Company/firm's Letter head)

1. Name & Address of the Firm :
2. Registration Details (if any) :
3. Name of Owner :
4. Residential Address of the Owner :
5. Telephone Nos. A) Office :
- B) Residence :
- C) Mobile :
6. Details of Financial Status :
- (Please enclose documents)
7. Proof of Identity Aadhar Card/Ward/Circle/Place :
8. PAN No. :
9. GST No. If applicable :
10. Experience Certificate/Performance:
11. Details along with list of Customers:
12. Details of Infrastructure/Employees:

(Signature & Seal of the Contractor)



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(Annexure B)

DECLARATIONS

I/We Whose signature is given below, are authorized representatives of this firm/company.

I/We also undertake the responsibility to communicate all subsequent changes in the constitution or working of the firm, affecting the accuracy of the facts, stated above.

(Signature of Bidder)

Name:-

Date:

Designation and Seal

Email id: -

Mobile no:



(Annexure C)

DECLARATION
(On Company/firm's Letter head)

Subject:

Sir,

1. I, Shri..... on behalf of..... and branch office at, do hereby declare that I have gone through the terms and conditions mentioned above and undertake to comply with all the tender terms and conditions. The rates quoted by me/us are valid and binding on me/us for acceptance during the period of supply from the date of award of the Order to us.
2. The University has the right to accept or reject any or all the tenders without assigning any reason.
3. We understand all the terms and conditions of the contract and bind myself/ourselves to abide by them.
4. We hereby declare that the reason vigilance or court case pending/contemplated against us at the moment.

(Sign a copy of the tender documents enclosed herewith)

Signature:

Name & Designation:

Date:

Name and Address of the Firm:

Email Id:

Mobile No:



E-Tender No. 10/2025-26:

Civil Work of two walls and Structure work of T-55 Tank & two RCL 1A Artillery Guns with beautification (Horticulture)

Financial Bid

Rate inclusive of supply, transportation and other charges.

Sr. No.	Name of the Item	Particulars	Proposed Qty	Item Rate	Total Amount (Rs.)
1.	Civil work and Beautification of T-55 Tank	Work includes: 1. Civil Work for installation of tank 2. Horticulture work near by tank 3. Interlocking and safety related work for tank 4. Painting, Lighting & Writing work inscribed on stone	01		
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3.	Civil work of two walls for Mural Installation	1. Each wall should be prepared in a manner so that available mural installation space will be 11X22 ft 2. Lighting work for clear visibility of entire wall	02		
Grand Total (In Words)				Grand Total	

[Signature]

DETAILED Scope of Work FOR THE CONSTRUCTION OF PEDESTAL OF TANK AND GUN, MURAL WALL AT DIST. SIKAR, RAJASTHAN

S.N.	SOR No. Sikar-2022	DESCRIPTION OF ITEM	Quantity	UOM
1	CH-B1 1.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	852.00	Sqm
2	CH-I(1.6)	EXCAVATION in foundation in ordinary Soil (Loam clay or sand) including lift upto 1.5m lead upto 30.0 m & including filling watering and ramming of excavated earth into the space between the building & sides of foundation trenches or into the plin	84.00	Cum
3	1.10	Excavating trenches of required width for pipe cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 Mtr. including taking out the excavated soil, and then returning the soil as required in layers not exceeding 20cm in depth including consolidating each deposited layer by ramming, watering etc. and disposal of surplus excavated soil as directed within a lead of 50 Mtr.: All kinds of soil		
4	1.10.1	Pipes cables etc. not exceeding 80mm dia	300.00	Mtr
5	CH-I(1.25)	Filling of available excavated earth in trenches, plinth, sides of foundation etc. inlayers not exceeding 20 cms in depth, consolidating each deposited layer by ramming and watering including lead upto 50m & lift upto 1.50m.	55.00	Cum
6	DSR-2021 2.25(a)	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete	849.00	Cum
7	BSR-2021 1.39	Anti termite treatment of floor using Imidacloprid 30.5% EC non repellent, odorless, low dose, environmentally safe termiticide with rapid action non corrosive stain free, by drilling 12mm diameter holes 300mm apart injecting the emulsion as per specification and plugging with cement mortar 1:2 (1 cement : 2 coarse sand) in the whole floor area DPE 12mm dia termitube system with required number of junction boxes are to be installed. The termitube will run all along the perimeter wall both inside and outside. In the middle area the termitube to be installed at an interval of 1.00 Mtr. or less both ways as required with sufficient number of junction boxes to pump the emulsion. After successful testing of termitube, pesticide emulsion of imidacloprid 30.5% EC mixed with water in the ration of 1:474 will be pumped by a motorized spray pump from the junction box in specified manner. The plinth area of the area treated will be measured for payment	100.00	Sqm
8	3.1	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level.		
9	3.1.4	M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	29.00	Cum
10	CH-B4(4.2)	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement : 3 coarse sand) and making good the joints and cost of plasterers (if required) excluding the cost of centering, shuttering and reinforcement for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. M20 grade Nominal Mix / Design Mix	39.00	Cum
11	CH-B4(4.9)	Centering and Shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for foundation , footings, strap beam, raft , bases of columns etc.	74.00	Sqm
12	CH-B4(4.10)	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for :		
13	4.10.3	Columns, pillars, posts and struts etc.	50.00	Sqm
14	4.10.1	Walls (any thickness) including attached pilasters, buttresses plinth and string course	27.00	Sqm
15	CH-B4 (4.13)	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level.		
16	4.13.3	Thermo-mechanically Treated bars (Conforming of relevant IS code)	3062.00	Kg
17	5.2	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :		
18	5.2.2	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	66.00	Cum
19	15.31	Providing & applying Three coat of Acrylic Water Proof membrane having sunlight and UV resistant properties over waterproofing slurry coat , initial coat of 50-75 micron thickness with diluting 1 part of chemical with 2 parts of clean water, over which applying 2 coats at 2 Hrs .intervals each with diluting 1 part of chemical with 20% of clean water for total thickness of 400 to 450 microns (covering area 0.9 Sq.M/Kg of chemical including preparation of surface by cleaning, brushing and dust removing, scaffolding if necessary etc., with contractor's labour, tools, machinery etc, complete as directed by Engineer in Charge.	60.00	Sqm
20	12.2	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish :		
21	12.2.2	20mm thick	355.00	Sqm
22	12.22	Providing and applying white cement based putty over plastered surface to prepare the surface even and smooth complete		
23	12.22.1	New Plastered Surface (three or more coats)	184.00	Sqm
24	12.43	Painting exterior surface of Wall with 100% acrylic exterior paint of approved brand and manufacture to give an even shade with two or more coats including preparation of base with sand papering, primer, putty, etc complete in all respect	184.00	Sqm
25	6.9	Stone work (machine cut edges) for Wall cladding/ Veneering work up to 10 m height with 20 to 30 mm thick Pink Sand stone (Bansi Paharpur) and backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.		
26	6.9.2	Exposed face Machine cut	46.00	Sqm
27	7.5	Providing and fixing Granite stone slab mirror polished and machine edge cut in walls, pillars, steps, Shelves, Sills Counters, Floors etc. laid on 12mm (Av.) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) jointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with pigment to match the shade of the marble slab including grinding, rubbing and polishing complete.		
28	7.5.3	South Zed Black		
29	III	Above 3601 Cm2 Slabs	193.00	Sqm

30	7.6	Extra for providing edge moulding to 15-18mm thick marble/ Granite/Kota stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge		
31	7.6.2	Granite/Kota Stone Work		
32	(i)	Full Edge moulding	188.00	Mtr.
33	11.38	Providing and laying of paver block as per IS 15658 : 2006 (Indian standard for precast concrete block for pavingspecification) and IRC : SP:63-2004 (guidelines for the use of interlocking concrete block pavement)		
34	11.38.1	M-30, 60 mm thick to be used in non traffic areas like building premises, monument premises, land scapes, public gardens/ park, domestic drives, paths and patios, Embankment slopes, sand stabilization Area etc. (As per table 1 of IS 15658:2006 (A) Category A Denated units to key into each other on four faces	120.00	Sqm
35	9.36	Supplying and fixing of chain link fencing with angle iron posts 50x50x6mm placed at every 3 Mtr. apart 30cm in ground embedded in cement concrete 1:3:6 (30x30x45cm) corner and every tenth post to be strutted with (50 x 50 x 6cm) angle iron provided and fixed and fitted with posts including earth work in excavation etc. complete with chain link size.		
36	9.36.2	75mm x 15mm x 3.15mm	158.00	Sqm
37	17.21	Providing and Laying cement concrete Kerb Stones of different sizes in M-30 grade (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiple synchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) in position to the required line, level and curvature jointed with cement mortar 1:3 (1 Cement : 3 Coarse sand) including making of joints, drainage opening wherever required.	12.00	Cum
38	MR	Supply and Fixing of MS Decorative Pole height 900 mm and 65mm dia as per approved design colour with fixing 12mm dia fastener at side including loading/unloading & transportation etc.complete	106.00	Each
39	MR	Supply and Fixing of MS Chain 35mm thickness weight per mt 2.5 kg as per approved design colour with fixing hook at side including loading/unloading & transportation etc.complete	90.00	RM
40	Code 28	Hire and running charges of crane 20 tonne capacity.	5.00	Per Day
41	Code 157	Operator	10.00	Per Day
42	HORTICULTURE			
43	CH-H3 3.1	Laying of lawns including ploughing leveling breaking of clods manuring and removal of stones etc. (cost of manure or extra good earth to be paid separately)maintenance of lawn for 30 days or more till the grass forms a thick lawns free from weeds and fit for moving in the duration of planting if lawn die some where the contractor will replant it at his own cost		
44	3.1.6	Digging of weedy soil from garden including loading and unloading of the soil and throwing it away out of the city	205.00	Cum
45	3.1.5	Maxican(Carpet) grass tiles (2"X2" size) for development of garden, including levelling of soil and spreading of manure	684.00	Sqm
48	CH-H1 1.1	Supply of dry manure including loading unloading, transportation & stacking at site.		
49	1.1.3	Goat dungmanure	113.00	Cum
50	CH-H2 2.1.1	Spreading of manure , good earth in required thickness (cost of manure and good earth to be separately)	118.00	Cum
51	1.4	Supply of insecticides & Pesticides at store in dust/liquid form complete		
52	1.4.2	Karathion (Liquid)	20.00	Per 250 ml
53	1.6	Supply of different sized pots at site store including loading unloading & transportation etc. complete		
54	1.6.2	Cement pot 350 mm size	80.00	Each
55	1.14	Supply of different varieties of palms in poly bags/earthen pot according to height growth and age of plant at site including loading unloading and transportation etc. complete		
56	1.14.1	Raffish palm 2 to 2.2 feet	80.00	Each
57	1.14.4	Arica palm many branches 5 to 6 feet	80.00	Each
58	1.13	Supply of different varieties of rose plants in poly bag/ earthen pot according to height growth and age of the plant at site including loading unloading and transportation etc. complete		
59	1.13.1	Desi rose / root stock plant	80.00	Each
60	1.13.2	Ganganagari rose plant in poly beg	80.00	Each
61	1.17	Supply of flower Garlands & Flower petal's including transportation at site.(Complete)		
62	1.17.4	Rose Garland 1.5 feet long	80.00	Each
63	1.17.1	Merigold Garland A Class (Big flowers) 2 feet long	80.00	Each
64	1.17.7	Mogra Garland 1.5 feet long	80.00	Each
65	1.17.5	Jalusi Garland(VIP A Class) Double fold	80.00	Each
66	2.2	Digging pits in ordinary soil and refilling the same with the excavated earth mixed with manure in the ratio of 2:1 by volume (2parts of stacked volume of earth after reduction by 20% 1 part of stacked	640.00	Each
67	CH-S2 2.39	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes (IS 15778 : 2007 code) having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings, this included jointing of pipes & fittings with one step CPVC solvent cement , trenching refilling & testing of joints complete as per direction of Engineer in Charge.		
68	2.39.4	32mm nominal size	200.00	RM
69	2.7.9	Synthetic Material(PTMT) bib cock of approved quality/ make, nominal bore,Long Body, 175 mm long	4.00	Each
70	2.8.7	Synthetic material (PTMT) stop cock of approved quality/make Concealed stop cock 15mm	4.00	Each
71	ELECTRICAL WORK			
72	Chapter E-01 1.1	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) in recessed ISI marked MMS (IS:9537 P - III) virgin material PVC conduit & it's ISI marked (IS:3419-1988) accessories, round tiles, 1.2 mm thick Hot Dipped Galvanized Modular Box with earth terminal, 10A Modular switch,Modular face plate with grid plate, 3 pin ceiling rose / Holder /3 way connector, screws, making connections, testing etc. as required.		
73	1.1.3	Long point (up to 10 mtr.)	10.00	P.Point

74	1.3	Wiring of 3/5 pin 6 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) in recessed ISI marked MMS (IS:9537 P - III) PVC conduit & it's ISI marked (IS:3419-1988) accessories, Hot Dipped Galvanized Modular box of 1.2 mm thick with earth terminal, 10 A modular switch, 3/5 pin 6 A modular socket, Modular face plate with grid plate, screws, making connections, testing etc. as required.		
75	1.3.4	Long point (up to 10 mtr.)	2.00	P.Point
76	1.4	S&F following sizes (dia.) of ISI marked virgin material MMS (IS:9537 P - III) PVC conduit along with ISI marked (IS:3419-1988) accessories as required in recess including cutting the wall, covering conduit and making good the same as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR		
77	1.4.4	40 mm	300.00	R.Mtr
78	4.1	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked (IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, class 5 stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5, in existing surface or recessed PVC/ MS conduit/casing capping making connections with Copper Lugs of suitable size, Ferrules, testing etc. as required.		
79	4.1.22	2 x 10.0 sq.mm	200.00	Mtr.
80	4.1.25	2 x 16.0 sq.mm	200.00	Mtr.
81	5.1	P & F 1.2 mm thick G. I. / M. S. Sheet boxes duly finished with two coats of red oxide and with earthing terminal of following sizes (nominal size) in recessed/surface as required		
82	5.1.2	1.2 mm thick G I boxes		
83	5.1.2.17	300mm x 300mm x 75mm	10.00	Each
84	6.1	Providing & Fixing of 240/415 V AC MCB with positive isolation of 10 kA breaking capacity (B/ C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947- 2, low watt losses, trip free mechanism , energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq.mm. , conductor line load reversibility , IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A & above rating including making connections, testing etc. as required.		
85	6.1.2	Double pole MCB(With B/C curve tripping Characteristics)		
86	6.1.2.3	6 A to 32 A rating	5.00	Each
87	6.2	Providing & Fixing of 240/415 V isolator ISI marked IS:13947- III/conforming to IEC 60947-3, suitable for AC22A utilization category, 4KV impulse withstand voltage, true contact indication, Red colour dolly / lever shall have single mould covering over all poles for operation , two position din rail mounting, minimum phase termination capacity of 35sq.mm. IP 20 contact protection and fitted in existing distribution board / sheet including making connections, testing etc. as required		
88	6.2.1	Double pole isolator		
89	6.2.1.1	30 A / 40 A rating	4.00	Each
90	6.10	Providing & Fixing of Recessed/surface mounting heavy duty horizontal type Double Door (Metal / Glazed)Distribution board with Metal end box made out from Galvanized steel / CRCA sheet not less then 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439- 1 & 3, powder painted complete with reversible door (for double door DB only)100 amp. insulated copper bus bar/shortingblink , copper neutral link, copper earth link , color codedbinterconnecting wire set of suitable rating and din bar,maskingsheet, making internal DB terminations with copper lugs, Ferrules,bdetachable gland plate, including making connections, testing etc. as required.		
91	6.10.2	Glazed door (single phase) IK-09 and IP-43 with Metal end box		
92	6.10.2.1	4 Way (4+2)	4.00	Each
93	6.13	P&F metal clad / Plastic industrial plug top & socket unit with pin and sleeve type contact on porcelain/ bakelite base in Recessed/surface mounting heavy duty Enclosure made out from Galvanized steel / CRCA sheet not less then 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439- 1 & 3. powder painted (without MCB) including making connections, testing etc. as required.		
94	6.13.2	20 amp, 2 pin + scrapping Earth, 2 Module	4.00	Each
95	6.14	P & F of Industrial plug and socket conforming to IEC 60309-1/2 made out of self extinguishing engineering polymer / polyamide, nickel plated brass sleeve and pins, socket with shutter including making connection etc as reqd		
96	6.14.2	IP -67 Surface/Wall mounted socket		
97	6.14.2.1	16 A 3 pin(2P+E)	5.00	Each
98	6.15	Providing & Fixing of Recessed/surface mounting heavy duty Vertical TPN Distribution board with Metal end box with provision of incomer suitable for MCB / RCCB and SP / TP MCB as outgoing ,made out from Galvanized steel / CRCA sheet not less then 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439- 1 & 3. powder painted with reversible door (for double door DB only) complete with insulated 100 A rating copper bus bar, neutral bars with shrouds, earth bar , color coded interconnecting wire set of suitable rating and din bar,masking sheet, making internal DB terminations with copper lugs, ferrules, detachable gland plate, including making connections, testing etc. as required.		
99	6.15.1	Double door IK-09 & IP-43 with Metal end box		
100	6.15.1.1	4 Way(8+12)	2.00	Each
101	12.3	Supplying and making end termination with heavy aluminium lugs (Pin / ring type) confirming to IS 8309 -1993 & IS 8337-1976 duly crimped with crimping tool, PVC tape etc of following size All as per pre approved by Engineer in charge.		
102	12.3.5	10.0 Sq.mm	15.00	Each
103	14.2	Plate Earthing as per IS:3043 with Hot dipped G.I. Earth plate of size 600mm x 600mm x 6.0mm by embodying 3 to 4 mtr. below the ground level with 20 mm dia. G.I. 'B' class watering Pipe ,including all accessories like nut, bolts, reducer, nipple, wire meshed funnel, and Heavy duty weather proof poly-propylene earth pit chamber with lockable Jam free lid suitable for safe working load 5000 Kg or more of size Top Dia. 225 to 260 mm, Bottom Dia 300 to 350 mm. and Height 250 to 300 mm. and embodying the pipe complete with alternate layers salt and coke/ charcoal, testing of earth resistance for value of 5 ohms or less as required & must record by engineer in charge during site visit and ensure to enter in measurement book	2.00	Set
104	14.5	Supply & Laying following size earth strip in horizontal or vertical run in surface by means of Earth strip DMC Insulator including riveting/ soldering/ welding, Jointing shall be done by overlapping and with 2 set of Brass (for Cu strip) / GI (for GI Strip) nut bolt & spring washer spaced at 50cm making connection etc. as required.		
105	14.5.2	25mm x 3mm copper strip	20.00	Mtr

106	14.6	Supply & Laying following size earth wire in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection with GI/Cu purity purity >95% thimble etc. as required. All as per pre approved by Engineer in charge		
107	14.6.4	6 SWG copper Wire	8.00	Mtr
108	14.7	Supply & Laying following size' B ' class , G.I. Pipe confirming to IS : 1239 P - 1 (2004) with accessories like bend, socket etc. for laying earth conductor/ strip / cable in ground/ surface/ recess as required. All as per pre approved by Engineer in charge.		
109	14.7.2	20 mm dia.	8.00	Mtr

S.R.	SOR No. Sikar-2022	DESCRIPTION OF ITEM	Quantity	UOM
110	18.15	Providing & Fixing of IK10 IP65 / IP66 protected LED Up - Down Luminarie Wall / Surface mounting made of powder coated die cast aluminium housing with UV stabilized PC diffuser. The System level Luminous efficacy \geq 90 Lumen/W. COB LEDs is to be used, System CRI>70, CCT: 3000/4000/6500 K. The integral electronic driver must be potted & has a unique BIS R number constant current and Internal/external surge protection device of min. 4KV(L-N) and efficiency $>$ 85%, PF>0.9, THD<10% and input Voltage range of 140-270V AC at 50Hz. System life of 50000 Burning hours with 70% of Initial Lumens maintained. Light output in Cool white or Warm White Colour as per engineers choice. driver current <750mA. Fixture must be in compliance with BIS Standards and Trade mark Certificate complete in all respect		
111	18.15.3	Minimum lumen output 2150 lm Up-Down Luminarie	8.00	Each
112	18.14	Providing & Fixing of IK10 IP66 / IP67 protected Rectangular shape LED Step Luminarie made of powder coated die cast aluminium housing with UV stabilized PC diffuser. The System level Luminous efficacy \geq 90 Lumen/W. SMD LEDs is to be used, System CRI>70, CCT: 3000/4000/6500 K. The integral electronic driver must be potted & has a unique BIS R number constant current and Internal/external surge protection device of min. 4KV(L-N) and efficiency $>$ 85%, PF>0.9, THD<10% and input Voltage range of 140-270V AC at 50Hz. System life of 50000 Burning hours with 70% of Initial Lumens maintained. driver current <750mA . Fixture must be in compliance with BIS Standards and Trade mak Certificate complete in all respect		
113	18.14.1	Minimum lumen output 800 lm Step light	10.00	Each

S.I.	SOR No. Sikar-2022	DESCRIPTION OF ITEM	Quantity	UOM
114	18.11	Providing & Fixing of IK08 IP-66 protected high power LED flood light system with single piece Pressure diecast aluminium housing, toughened glass diffuser with suitable lenses on LED to achieve various beam angles, of high power LED of 3 to 5 watt each . Integrated potted driver as a unique BIS R number having efficiency more than 85 % and in compliance to BIS certified and Trade mark certificate. The System level Luminaires efficacy >=125 lm/ wt. LED driver Input Voltage AC 120 to 270 V AC with High voltage Cutoff @>=300 V AC and Auto resetting Safety Power Factor >0.95 , THD(I) <10% , driver current <=750mA. driver should be Phase to phase protection of 440 V for 4 Hrs. Electrical Connector , Surge Protection Min >=4KV internal and 10KV external but inside driver compartment, System life of 50000 Burning hours with 70% of Initial Lumens maintained, CRI>70 and CCT 5700K ±355K. Manufactures Word Mark/Name Engraved/Embossing/Screen printing on die cast housing to allow traceability/authenticity. Fixture		
115	18.11.12	High Power LED Flood Light Minimum lumen output 43750 lm	14.00	Each
116	MR	4Mtr. Decorative mild steel galvanized tubular pole having different profile. Bottom profile 1000mmxø114mmx3.0mm and Top profile 2000mmxø76mmx3.0mm with embellishment. Pole has a service window and fixed base plate at bottom profile. Pole is primer coated and PU painted in dual shade with final coat of P.U. glossy clear	10.00	Each
117	MR	Ornamental 40 Watt LED Drop Down luminaire made of aluminium housing duly powder coated/PU Painted with PC/PMMA Clear/Frosted diffuser for high illuminance/glare free lighting. MCPCB having high Lumen LED's are mounted on aluminium heat sinks. (Make: Halonix, Uniluxrays, Bajaj, Twinkle)	10.00	Each
118	AS per CPWD PAR-2023	Preparation and submission of detailed drawings for all. The drawings shall be prepared in compliance with relevant IS codes and standards, considering site-specific conditions, design requirements, and applicable safety factors. The scope includes the provision of both soft copies. Revisions, if any, based on client feedback, are included within the scope. Proof-checking of the structural drawings shall be the responsibility of the University, and the contractor shall provide all necessary assistance, including design calculations and clarifications, to facilitate the process. The rate for this item includes all associated costs, such as drafting, design, printing, and incorporation of minor modifications. Major revisions, if required, shall be subject to separate approval and additional charges.	1.00	Job
119		Grand Total		

S.N.	SOR No. Sikar-2022	DESCRIPTION OF ITEM	UOM	TOTAL QTY				
				NOS	LENGTH	WIDTH	HEIGHT	QTY
19	CH-1(1.25)	Filling of available excavated earth in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cms in depth, consolidating each deposited layer by ramming and watering including lead upto 50m & lift upto 1.50m.						
20		considering backfill of 66% of Total excavation	Cum					55.00
21				1	84.00	0.66		55.44
22								
23	DSR-2021 2.25(a)	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete	Cum					849.00
24		Pedestal tank area		1	10.00	6.00	1.10	66.00
25		Gun shell Pedestal		2	3.50	3.50	1.10	26.95
26		For Horticulture works		2	21.00	18.00	1.00	756.00
27								
28								
29	BSR-2021 1.39	Anti termite treatment of floor using Imidacloprid 30.5% EC non repellent, odorless, low dose, environmentally safe termiticide with rapid action non corrosive stain free, by drilling 12mm diameter holes 300mm apart injecting the emulsion as per specification and plugging with cement mortar 1:2 (1 cement : 2 coarse sand) in the whole floor area. DPE 12mm dia termitube system with required number of junction boxes are to be installed. The termitube will run all along the perimeter wall both inside and outside. In the middle area the termitube to be installed at an interval of 1.00 Mtr. or less both ways as required with sufficient number of junction boxes to pump the emulsion. After successful testing of termitube, pesticide emulsion of imidacloprid 30.5% EC mixed with water in the ration of 1:474 will be pumped by a motorized spray pump from the junction box in specified manner. The plinth area of the area treated will be measured for payment	Sqm				100.00	
30		Pedestal tank area		1	10.00	6.00		60.00
31		Gun shell Pedestal		2	3.50	3.50		24.50
32		Mural wall		2	3.00	2.50		15.00
33								
34	3.1	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level.						
35	3.1.4	M10 grade Nominal Mix 1: 3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	Cum					29.00
36		Pedestal tank area		2	10.00	0.50	0.15	1.50
37				2	6.00	0.50	0.15	0.90
38				1	10.00	6.00	0.15	9.00
39		Gun shell Pedestal		2	3.50	0.50	0.15	0.53
40				2	3.50	0.50	0.15	0.53
41				2	3.50	3.50	0.15	3.68
42		Mural wall		2	7.77	2.50	0.15	5.83
43		Approach road		8	4.00	1.50	0.15	7.20
44								
45								
46	CH-B4(4.2)	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plasticizers (if required) excluding the cost of centering, shuttering and reinforcement for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. M20 grade Nominal Mix / Design Mix	Cum					39.00
47		Pedestal tank area		6	1.00	1.00	0.30	1.80
48		Plinth beam		2	10.00	0.23	0.23	1.06
49		Plinth beam		2	6.00	0.23	0.23	0.63
50		After filling at top		1	10.00	6.00	0.15	9.00
51		Gun shell Pedestal		8	0.75	0.75	0.30	1.35
52				8	3.50	0.23	0.23	1.48
53		at top		2	3.50	3.50	0.15	3.68
54		Mural wall-Footing		6	1.85	1.85	0.30	6.16
55				6		1.77	0.50	5.31
56		Mural Wall-Col.		6	0.30	0.23	5.20	2.15
57		Plinth beam		4	7.62	0.30	0.30	2.74
58		Misc.						4.00
59								
60	CH-B4(4.9)	Centering and Shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for foundation , footings, strap beam, raft , bases of columns etc.	Sqm					74.00
61		Pedestal tank area		6	4.00		0.30	7.20

62		Plinth beam	4	10.00		0.23	9.20
63		Plinth beam	4	6.00		0.23	5.52
64		Gun shell Pedestal	8	3.00		0.30	7.20
65		Plinth beam	16	3.50		0.23	12.88
66		Mural wall	6	7.40		0.30	13.32
67		Plinth Beam	4	15.24		0.30	18.29
68			4	0.3		0.23	0.28
69							
70	CH-B4(4.10)	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for					
71	4.10.3	Columns, pillars, posts and struts etc	Sqm				50.00
72		Mural wall	6	1.3		5.20	40.56
73		Pedestal tank area	6	0.92		1.00	5.52
74		Gun shell Pedestal	4	0.92		1.00	3.68
75							
76	4.10.1	Walls (any thickness) including attached pilasters, buttresses plinth and string course	Sqm				27.00
77		Mural Wall	4	3		0.60	7.20
78			4	3.00		0.90	10.80
79		Pedestal tank area	2	10.00		0.15	3.00
80			2	6.00		0.15	1.80
81		Gun shell Pedestal	8	3.50		0.15	4.20
82							
83	CH-B4 (4.13)	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level.					
84	4.13.3	Thermo-mechanically Treated bars (Conforming of relevant IS code)	Kg				3062.00
85		Considering 120 kg/ cum of concrete	1	39.00	78.5		3061.50
86							
87							
88	5.2	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in :					
89	5.2.2	Cement mortar 1 : 6 (1 cement : 6 coarse sand)	Cum				66.00
90		Pedestal tank area	2	10.00	0.23	1.00	4.60
91			2	6.00	0.23	1.00	2.76
92			1	6.00	4.00	0.15	3.60
93			2	1.55	1.55	0.15	0.72
94			2	1.32	1.55	0.15	0.61
95			2	1.09	1.55	0.15	0.51
96			2	0.86	1.55	0.15	0.40
97			2	0.63	1.55	0.15	0.29
98			2	0.40	1.55	0.15	0.19
99		Gun shell Pedestal	8	3.50	0.23	1.00	6.44
100			4	1.55	1.55	0.15	1.44
101			4	1.32	1.55	0.15	1.23
102			4	1.09	1.55	0.15	1.01
103			4	0.86	1.55	0.15	0.80
104			4	0.63	1.55	0.15	0.59
105			4	0.40	1.55	0.15	0.37
106		Mural wall	2	7.62	0.23	4.25	14.90
107		Misc.	2	20.00	0.23	1.00	9.20
108			4	18.00	0.23	1.00	16.56
109							
110	15.31	Providing & applying Three coat of Acrylic Water Proof membrane having sunlight and UV resistant properties over waterproofing slurry coat , initial coat of 50-75 micron thickness with diluting 1 part of chemical with 2 parts of clean water, over which applying 2 coats at 2 Hrs intervals each with diluting 1 part of chemical with 20% of clean water for total thickness of 400 to 450 microns (covering area 0.9 Sq.M/Kg of chemical including preparation of surface by cleaning, brushing and dust removing, scaffolding if necessary etc., with contractor's labour, tools, machinery etc, complete	Sqm			60.00	
111		Pedestal tank area	2	10.00		1.00	20.00
112			2	6.00		1.00	12.00
113		Gun shell Pedestal	8	3.50		1.00	28.00
114							
115							
116	12.2	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish :					
117	12.2.2	20mm thick .	Sqm				355.00
118		Pedestal tank area	2	10.00		1.00	20.00
119			2	6.00		1.00	12.00
120		Topsurface	1	10.00	6.00		60.00
121			2	3.65		0.15	1.10
122			2	6.10		0.15	1.83
123			4	1.00	1.50		6.00
124			12	1.55	0.23		4.28
125			10	1.55	0.15		2.33
126		Gun shell Pedestal	8	3.50		1.00	28.00
127		Top	2	3.50	3.50		24.50
128			4	1.00	1.50		6.00
129			12	1.55	0.23		4.28

130				10	1.55	0.15		2.33
131		Mural Wall		4	7.62		5.20	158.50
132				4	0.33		3.00	3.96
133		Misc.						20.00
134								
135	12.22	Providing and applying white cement based putty over plastered surface to prepare the surface even and smooth complete						
136	12.22.1	New Plastered Surface (three or more coats)	Sqm					184.00
137		Mural Wall		4	7.62		4.30	131.06
138		Kerb stone		8	22		0.3	52.80
139								
140								
141	12.43	Painting exterior surface of Wall with 100% acrylic exterior paint of approved brand and manufacture to give an even shade with two or more coats including preparation of base with sand papering, primer, putty, etc complete in all respect	Sqm					184.00
142		Mural Wall		4	7.62		4.30	131.06
143		Kerb stone		8	22		0.3	52.80
144								
145								
146	7.5	Providing and fixing Granite stone slab mirror polished and machine edge cut in walls, pillars, steps, Shelves, Sills Counters, Floors etc. laid on 12mm (Av.) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) jointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with pigment to match the shade of the marble slab including grinding, rubbing and polishing complete.						
147	7.5.3	South Zed Black						
148	III	Above 3601 Cm ² Slabs	Sqm					193.00
149		Pedestal tank area		2	10.00		1.00	20.00
150				2	6.00		1.00	12.00
151		Topsurface		1	10.00	6.00		
152				2	3.65		0.15	1.10
153				2	6.10		0.15	1.83
154				4	1.00	1.50		6.00
155				12	1.55	0.23		4.28
156				10	1.55			
157		Gun shell Pedestal		8	3.50		1.00	28.00
158		Top		2	3.50	3.50		24.50
159				4	1.00	1.50		6.00
160				12	1.55	0.23		4.28
161				10	1.55	0.15		2.33
162								20.00
163	7.6	Extra for providing edge moulding to 15-18mm thick marble/Granite/Kota stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge						
164	7.6.2	Granite/Kota Stone Work						
165	(i)	Full Edge moulding	Mtr.					188.00
166		Pedestal tank area		2	10.00			20.00
167				2	6.00			12.00
168		Topsurface		2	6.75			13.50
169				2	3.65			7.30
170				12	1.55			18.60
171				24	0.23			5.52
172		Gun shell Pedestal		8	3.50			28.00
173				2	3.65			7.30
174				12	1.55			18.60
175				24	0.23			5.52
176				4	13.00			52.00
177								
178								
179	6.9	Stone work (machine cut edges) for Wall cladding/ Veneering work up to 10 m height with 20 to 30 mm thick Pink Sand stone (Bansi Paharpur) and backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade.						
180	6.9.2	Exposed face Machine cut	Sqm					46.00
181		Mural Wall		4	7.62	1.50		45.72
182								
183	11.38	Providing and laying of paver block as per IS 15658 : 2006(Indian standard for precast concrete block for pavingspecification) and IRC : SP-63-2004 (guidelines for the use of interlocking concrete block pavement)						
184	11.38.1	M-30, 60 mm thick to be used in non traffic areas like building premises, monument premises, land scapes, public gardens/ park, domestic drives, paths and patios, Embankment slopes, sand stabilization Area etc. (As per table 1 of IS 15658:2006 (A) Category A Denoted units to key into each other on four faces	Sqm					120.00
185		Approach road		8	4.00	1.50		48.00
186		Mural wall		1	60.00	1.20		72.00

188	9.36	Supplying and fixing of chain link fencing with angle iron posts 50x50x6mm placed at every 3 Mtr. apart 30cm in ground embedded in cement concrete 1:3:6 (30x30x45cm) corner and every tenth post to be strutted with (50 x 50 x 6cm) angle iron provided and fixed and fitted with posts including earth work in excavation etc. complete with chain link size.					
189	9.36.2	75mm x 15mm x 3.15mm	Sqm				158.00
190		Approach road		4	22.00	1.80	158.40
191							
192							
193							
194	17.21	Providing and Laying cement concrete Kerb Stones of different sizes in M-30 grade (Manufactured with fully mechanised dry cast process with forced action mixer whose arms revolve along the main axis and rotate about its own axis also, having humidity sensor for moisture control of w/c ratio in concrete mix. Manufactured with steel moulds (Milled and manufactured in CSI diamond or CSI Nitro process for accuracy) on steel base plate of min 16 mm thick; Having Vibration and pressing action both together with the help of multiple synchronised vibrators. Power of hydraulic station should be minimum 50KW for compaction and cured in controlled chambers having humidity control and automated air circulation system) in position to the required line, level and curvature jointed with cement mortar 1:3 (1 Cement : 3 Coarse sand) including making of joints, drainage opening	Cum			12.00	
195		Approach road		8	20.00	0.15	0.45
196		Mural wall		1	20.00	0.15	0.45
197							1.35
198	MR	Supply and Fixing of MS Decorative Pole height 900 mm and 65mm dia as per approved design colour with fixing 12mm dia fastener at side including loading/unloading & transportation etc. complete	Each				106.00
199		Pedestal tank area		1	45		45.00
200		Gun shell Pedestal		1	45		45.00
201		Mural wall front		2	8		16.00
202							
203	MR	Supply and Fixing of MS Chain 35mm thickness weight per mt 2.5 kg as per approved design colour with fixing hook at side including loading/unloading & transportation etc. complete	RM				90.00
204		Pedestal tank area		1	35		35.00
205		Gun shell Pedestal		1	35		35.00
206		Mural wall		2	10		20.00
207							
208	Code 28	Hire and running charges of crane 20 tonne capacity.	Per Day				5.00
209		Pedestal tank area		2			2.00
210		Gun shell Pedestal		3			3.00
211	Code 157	Operator	Per Day				10.00
212				5			5.00
213				5			5.00
214							
215	AS per CPWD PAR-2023	Preparation and submission of detailed structural drawings for all levels of the structure. The drawings shall be prepared in compliance with relevant IS codes and standards, considering site-specific conditions, design requirements, and applicable safety factors. The scope includes the provision of both soft copies (editable and PDF formats) and two sets of printed hard copies for review and approval. Revisions, if any, based on client feedback, are included within the scope. Proof-checking of the structural drawings shall be the responsibility of the University, and the contractor shall provide all necessary assistance, including design calculations and clarifications, to facilitate the process. The rate for this item includes all associated costs, such as drafting, design, printing, and incorporation of minor modifications. Major revisions, if required, shall be subject to separate approval and	Job				1.00

S No.	SOR No. Sikar- 2022	DESCRIPTION OF ITEM	UOM	TOTAL QTY				
				NOS	LENGTH	WIDTH	HEIGHT	QTY
18	CH-H2 2.1.1	Spreading of manure , good earth in required thickness (cost of manure and good earth to be separately)	Cum					118.00
19		Landscaping near tank		2	21.00	18.00	0.15	113.40
20		Landscaping near Mural Wall		4	7.62	1.00	0.15	4.57
21								
22								
23	1.4	Supply of insecticides & Pesticides at store in dust/liquid form complete						
24	1.4.2	Karathion (Liquid)	Per 250 ml					20.00
25		Landscaping near tank		1	10.00			10.00
26		Landscaping near Mural Wall		1	10.00			10.00
27								
28								
29	1.6	Supply of different sized pots at site store including loading unloading & transportation etc. complete						
30	1.6.2	Cement pot 350 mm size	Each					80.00
31		Landscaping near tank or some other place		1	60.00			60.00
32		Landscaping near Mural Wall		1	20.00			20.00
33								
34	1.14	Supply of different varieties of palms in poly bags/earthen pot according to height growth and age of plant at site including loading unloading and transportation etc. complete						
35	1.14.1	Raffish palm 2 to 2.2 feet	Each		80.00			80.00
36	1.14.4	Arica palm many branches 5 to 6 feet	Each		80.00			80.00
37								
38	1.13	Supply of different varieties of rose plants in poly bag/ earthen pot according to height growth and age of the plant at site including loading unloading and transportation etc. complete						
39	1.13.1	Desi rose / root stock plant	Each		80.00			80.00
40	1.13.2	Ganganagari rose plant in poly beg	Each		80.00			80.00
41								
42	1.17	Supply of flower Garlands & Flower petal's including transportation at site.(Complete)						
43	1.17.4	Rosc Garland 1.5 feet long	Each		80.00			80.00
44	1.17.1	Merigold Garland A Class (Big flowers) 2 feet long	Each		80.00			80.00
45	1.17.7	Mogra Garland 1.5 feet long	Each		80.00			80.00
46	1.17.5	Jalusi Garland(VIP A Class) Double fold	Each		80.00			80.00
47								
48								
49	2.2	Digging pits in ordinary soil and refilling the same with the excavated earth mixed with manure in the ratio of 2:1 by volume (2parts of stacked volume of earth after reduction by 20% 1 part of stacked volume of manure after reduction by 8%) flooding with	Each					640.00
50		Total plantations		8	80.00			640.00
51								
52								
53	CH-S2 2.39	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes (IS 15778 : 2007 code) having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings, this included jointing of pipes & fittings with one step CPVC solvent cement , trenching refilling & testing of joints complete as per direction of Engineer in Charge.						
54	2.39.4	32mm nominal size	RM					200.00
55		For water pipe line at tank for horticulture work		1	200			200.00
56								
57	2.7.9	Synthetic Material(PTMT) bib cock of approved quality/ make, nominal bore,Long Body, 175 mm long	Each					4.00
58		For water pipe line at tank for horticulture work		1	2			2.00
59		For water pipe line at mural wall for horticulture work		1	2			2.00
60								
61	2.8.7	Synthetic material (PTMT) stop cock of approved quality/make Concealed stop cock 15mm	Each					4.00
62				1	2			2.00
63				1	2			2.00

**DETAILED ESTIMATE FOR THE PROPOSED CONSTRUCTION OF PEDESTAL OF TANK AND GUN, MURAL WALL AT DIST. SIKAR, RAJASTHAN
(Measurement Sheet - Electrical)**

S.No.	Electrical B.S.R. 2022	DESCRIPTION OF ITEM	UOM	TOTAL QTY				
				NOS	LENGTH	WIDTH	HEIGHT	QTY
9	1.4	S&F following sizes (dia.) of ISI marked virgin material MMS (IS:9537 P - III) PVC conduit along with ISI marked (IS:3419-1988) accessories as required in recess including cutting the wall, covering conduit and making good the same as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR						
10	1.4.4	40 mm	R.Mtr					300.00
11		Mural Wall and tank		1	300			300.00
12								
13	4.1	Supplying and drawing FR PVC insulated & unheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked (IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, class 5 stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidation, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5, in existing surface or recessed PVC/ MS conduit/casing capping making connections with Copper Lugs of suitable size, Ferrules,testing etc. as required.						
14	4.1.22	2 x 10.0 sq.mm	Mtr.					200.00
15		Mural Wall and tank		1	200			200.00
16								
17	4.1.25	2 x 16.0 sq.mm						
18		For street lighting	Mtr.					200.00
19				1	200			200.00
20								
21	5.1	P & F 1.2 mm thick G. I. / M. S. Sheet boxes duly finished with two coats of red oxide and with earthing terminal of following sizes (nominal size) in recessed/surface as required						
22	5.1.2	1.2 mm thick G I boxes						
23	5.1.2.17	300mm x 300mm x 75mm	Each					10.00
24		Mural Wall and tank		1	10			10.00
25								
26								
27	6.1	Providing & Fixing of 240/415 V AC MCB with positive isolation of 10 kA breaking capacity (B/C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947-2, low watt losses, trip free mechanism , energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq.mm. , conductor line load reversibility , IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A & above rating including making connections, testing						
28	6.1.2	Double pole MCB(With B/C curve tripping Characteristics)						
29	6.1.2.3	6 A to 32 A rating	Each					5.00
30		Mural Wall and tank		5				5.00
31								
32	6.2	Providing & Fixing of 240/415 V isolator ISI marked IS:13947- III/conforming to IEC 60947-3, suitable for AC22A utilization category, 4KV impuls withstand voltage, true contact indication, Red colour dolly / lever shall have single mould covering over all poles for operation , two position din rail mounting, minimum phase termination capacity of 35sq.mm. IP 20 contact protection and fitted in existing distribution board / sheet including making connections, testing etc. as required						
33	6.2.1	Double pole isolator						
34	6.2.1.1	30 A / 40 A rating	Each					4.00
35		Mural Wall and tank		4				4.00
36								
37	6.10	Providing & Fixing of Recessed/surface mounting heavy duty horizontal type Double Door (Metal / Glazed)Distribution board with Metal end box made out from Galvanized steel / CRCA sheet not less than 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439- 1 & 3, powder painted complete with reversible door (for double door DB only)100 amp. insulated copper bus bar/shortingblink , copper neutral link, copper earth link , color coded interconnecting wire set of suitable rating and din bar,maskingbsheet, making internal DB terminations with copper lugs, Ferrules,betachable gland plate, including making connections, testing						
38	6.10.2	Glazed door (single phase) IK-09 and IP-43 with Metal end box						

39	6.10.2.1	4 Way (4+2)	Each					4.00
40		Mural Wall and tank		4				4.00
41								
42	6.13	P&F metal clad / Plastic industrial plug top & socket unit with pin and sleeve type contact on porcelain/ bakelite base in Recessed/surface mounting heavy duty Enclosure made out from Galvanized steel / CRCA sheet not less than 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439 1 & 3. powder painted (without MCB) including making connections, testing etc as required.						
43	6.13.2	20 amp, 2 pin + scrapping Earth, 2 Module	Each					4.00
44		Mural Wall and tank		4				4.00
45								
46	6.14	P & F of Industrial plug and socket conforming to IEC 60309-1/2 made out of self extinguishing engineering polymer / polyamide, nickel plated brass sleeve and pins, socket with shutter including making connection etc as read						
47	6.14.2	IP-67 Surface/Wall mounted socket						
48	6.14.2.1	16 A 3 pin(2P+E)	Each					5.00
49		Mural Wall and tank		5				5.00
50								
51	6.15	Providing & Fixing of Recessed/surface mounting heavy duty Vertical TPN Distribution board with Metal end box with provision of incomer suitable for MCB / RCCB and SP / TP MCB as outgoing ,made out from Galvanized steel / CRCA sheet not less than 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439- 1 & 3. powder painted with reversible door (for double door DB only) complete with insulated 100 A rating copper bus bar, neutral bars with shrouds, earth bar , color coded interconnecting wire set of suitable rating and din bar,masking sheet, making internal DB terminations with copper lugs, ferrules, detachable gland plate, including making						
52	6.15.1	Double door IK-09 & IP-43 with Metal end box						
53	6.15.1.1	4 Way(8+12)	Each					2.00
54		Mural Wall and tank		2				2.00
55								
56	12.3	Supplying and making end termination with heavy aluminium lugs (Pin / ring type) confirming to IS 8309 -1993 & IS 8337-1976 duly crimped with crimping tool, PVC tape etc of following size. All as per pre approved by Engineer in charge.						
57	12.3.5	10.0 Sq.mm	Each					15.00
58		Mural Wall and tank		15				15.00
59								
60	14.2	Plate Earthing as per IS:3043 with Hot dipped G.I. Earth plate of size 600mm x 600mm x 6.0mm by embodying 3 to 4 mtr. below the ground level with 20 mm dia. G.I. 'B' class watering Pipe ,including all accessories like nut, bolts, reducer, nipple, wire meshed funnel, and Heavy duty weather proof poly- propylene earth pit chamber with lockable Jam free lid suitable for safe working load 5000 Kg or more of size Top Dia. 225 to 260 mm, Bottom Dia 300 to 350 mm. and Height 250 to 300 mm. and embodying the pipe complete with alternate layers salt and coke/ charcoal, testing of earth resistance for value of 5 ohms or less as required & must record by engineer in charge during site visit and ensure to enter in measurement book	Set					2.00
61		Mural Wall and tank		1	2			2.00
62								
63	14.5	Supply & Laying following size earth strip in horizontal or vertical run in surface by means of Earth strip DMC Insulator including riveting/ soldering/ welding. Jointing shall be done by overlapping and with 2 set of Brass (for Cu strip) / GI (for GI Strip) nut bolt & spring washer spaced at 50cm making connection etc. as required.						
64	14.5.2	25mm x 3mm copper strip	Mtr					20.00
65		Mural Wall and tank		1	20			20.00
66								
67	14.6	Supply & Laying following size earth wire in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection with GI/Cu purity purity >95% thimble etc. as required. All as per pre approved by Engineer in charge.						
68	14.6.4	6 SWG copper Wire	Mtr					8.00
69		Mural Wall and tank		2	4			8.00
70								
71	14.7	Supply & Laying following size 'B' class , G.I. Pipe confirming to IS : 1239 P - 1 (2004) with accessories like bend, socket etc. for laying earth conductor/ strip / cable in ground/ surface/ recess as required. All as per pre approved by Engineer in charge						
72	14.7.2	20 mm dia.	Mtr					8.00

73		Mural Wall and tank		2	4			8.00
74								
75								
76	18.15	Providing & Fixing of IK10 IP65 / IP66 protected LED Up - Down Luminarie Wall / Surface mounting made of powder coated die cast alluminium housing with UV stabilized PC diffuser. The System level Luminous efficacy \geq 90 Lumen/W. COB LEDs is to be used, System CRI>70, CCT: 3000/4000/6500 K. The integral electronic driver must be potted & has a unique BIS R number constant current and Internal/external surge protection device of min. 4KV(L-N) and efficiency $>$ 85%, PF>0.9, THD<10% and input Voltage range of 140-270V AC at 50Hz. System life of 50000 Burning hours with 70% of Initial Lumens maintained Light output in Cool white or Warm White Colour as per engineers choice. driver current <750mA. Fixture must be in compliance with BIS Standards and Trade mark Certificate complete in all respect						
77	18.15.3	Minimum lumen output 2150 lm Up-Down Luminary	Each					8.00
78		Mural Wall and tank		2	4			8.00
79								
80	18.14	Providing & Fixing of IK10 IP66 / IP67 protected Rectangular shape LED Step Luminarie made of powder coated die cast alluminium housing with UV stabilized PC diffuser. The System level Luminous efficacy \geq 90 Lumen/W. SMD LEDs is to be used, System CRI>70, CCT: 3000/4000/6500 K. The integral electronic driver must be potted & has a unique BIS R number constant current and Internal/external surge protection device of min. 4KV(L-N) and efficiency $>$ 85%, PF>0.9, THD<10% and input Voltage range of 140-270V AC at 50Hz. System life of 50000 Burning hours with 70% of Initial Lumens maintained . driver current <750mA . Fixture must be in compliance with BIS Standards and Trade mak Certificate complete						
81	18.14.1	Minimum lumen output 800 lm Step light	Each					10.00
82		Mural		5	2			10.00
83								
84								

S.No.	Electrical B.S.R. 2022	DESCRIPTION OF ITEM	UOM	TOTAL QTY				
				NOS	LENGTH	WIDTH	HEIGHT	QTY
85	18.11	Providing & Fixing of IK08 IP-66 protected high power LED flood light system with single piece Pressure diecast aluminum housing, toughened glass diffuser with suitable lenses on LED to achieve various beam angles, of high power LED of 3 to 5 watt each . Integrated potted driver as a unique BIS R number having efficiency more than 85 % and in compliance to BIS certified and Trade mark certificate. The System level Luminaire efficacy ≥ 125 lm/wt. LED driver Input Voltage AC 120 to 270 V AC with High voltage Cutoff ≥ 300 V AC and Auto resetting Safety .Power Factor >0.95 , THD(I) $<10\%$, driver current ≤ 750 mA. driver should be Phase to phase protection of 440 V for 4 Hrs. Electrical Connector , Surge Protection Min ≥ 4 KV internal and 10KV external but inside driver compartment, System life of 50000 Burning hours with 70% of Initial Lumens maintained, CRI >70 and CCT 5700K ± 35 K. Manufactures Word Mark/Name Engraved/Embossing/Screen printing on die cast housing to allow traceability/authenticity. Fixture shall be IS 10322 Compliances						
86	18.11.12	High Power LED Flood Light Minimum lumen output 43750 lm	Each					14.00
87		Mural Wall and tank		1	14			14.00
88								
89	MR	4Mtr. Decorative mild steel galvanized tubular pole having different profile. Bottom profile 1000mmx114mmx3.0mm and Top profile 2000mmx76mmx3.0mm with embellishment. Pole has a service window and fixed base plate at bottom profile. Pole is primer coated and PU painted in dual shade with final coat of P.U. glossy clear.	Each					10.00
90		Mural Wall and tank		2	5			10.00
91	MR	Ornamental 40 Watt LED Drop Down luminaire made of aluminium housing duly powder coated/PU Painted with PC/PMMA Clear/Frosted diffuser for high illuminance/glare free lighting. MCPBC having high Lumen LED's are mounted on aluminium heat sinks. (Make: Halonix, Uniluxrays, Raisi Twinkle)	Each					10.00
92		Mural Wall and tank		2	5			10.00