



NAHEP

INSTITUTIONAL DEVELOPMENT PLAN
National Agricultural Higher Education Project
Sri Karan Narendra Agriculture University

Jobner-303329, Distt. Jaipur (Rajasthan)

Phone: 01425-254022; Email ID: pi.nahep@sknau.ac.in



No: SKNAU/NAHEP/Proc./2022-23/09

Date- 02/09/2022

Activity No.: IN-SKNAU - JOBNER-179317-CW-RFQ/Modification of toilets for differently abled persons

To,

PROSPECTIVE SUPPLIERS

SUBJECT: INVITATION FOR QUOTATIONS FOR WORK OF MODIFICATION OF TOILETS FOR DIFFERENTLY ABLED PERSONS AT SKNCOA, JOBNER AND COA, LALSOT.

Dear Sir,

1. You are invited to submit your most competitive quotation for the following works: -

Sr. No.	Brief Description of the Works	Approximate value of Works (Rs.) (Lakhs)	Period of Completion
1	Modification of toilets for differently abled persons at SKNCOA, Jobner	4.00	45 Days
2	Modification of toilets for differently abled persons at COA, Lalsot	1.00	45 Days

2. Government of India has received a financing from the International Bank for Reconstruction and Development (IBRD) in various currencies towards the cost of the National Agricultural Higher Education Project (NAHEP) and intends to apply part of the proceeds of this Loan to eligible payments under the contract for which this invitation for quotations is issued.

3. To assist you in the preparation of your quotation, we are enclosing the following:

- Detailed Bill of Quantities, with estimated rates and prices;
- Technical Specifications;
- Instructions to Bidders (in two sections).
- Draft Contract Agreement format which will be used for finalizing the agreement for this Contract.

4. **You are requested to provide your offer latest by 11:00 AM on 12/09/2022.**

5. Quotations will be opened in the presence of Bidders or their representatives who choose to attend at **02.30 PM on 12/09/2022** in the office of IDP-NAHEP, SKNAU, Jobner.

6. We look forward to receiving your quotations and thank you for your interest in this project.


PI, IDP-NAHEP
Sri Karan Narendra Agriculture University,
Jobner-Jaipur

INSTRUCTIONS TO BIDDERS

SECTION – A

1. Scope of Works

The Principal Investigator, IDP-NAHEP, SKNAU Jobner invites quotations for the works as detailed in the table given below:

Sr. No.	Brief Description of the Works	Approximate value of Works (Rs.) (Lakhs)	Period of Completion
1	Modification of toilets for differently abled persons at SKNCOA, Jobner	4.00	45 Days
2	Modification of toilets for differently abled persons at COA, Lalsot	1.00	45 Days

The successful bidder will be expected to complete the works by the intended completion date specified above.

2. **Qualification of the bidder:** The bidder shall provide qualification information which shall include: -

- a. Total monetary value of construction works performed for each year of the last 3 years (i.e. FY 2019-20, 2020-21 and 2021-22)
- b. Income tax clearance certificate from the concerned IT circle;
- c. Report on his financial standing; and
- d. Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount in each case.

3. To qualify for award of the contract the bidder: -

- a. should have satisfactorily completed as a prime contractor at least one similar work of value not less than Rs. 5,00,000.00 in the last three years;
- b. should possess valid electrical license for executing building electrification works (in the event of the works being sub-contracted, the sub-contractor should have the necessary license);
- c. should possess required valid license for executing the water supply/sanitary works (in the event of the works being sub-contracted, the sub-contractor should have the necessary license);

4. Bid Price

- a. The contract shall be for the whole works as described in the Bill of quantities, drawings and technical specifications. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.



- b. All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
- c. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- d. The rates should be quoted in Indian Rupees only.

5. Submission of Quotations

- 5.1. The bidder is advised to visit the site of works at his own expense and obtain all information that may be necessary for preparing the quotation.
- 5.2. **The bidder will submit separate quotation for each work mentioned at Sr. No. 1 and Sr. No. 2 in the table given at point no. 1 i.e., scope of work.**
- 5.3. The quotation submitted by the bidder shall comprise the following: -
 - a. **Quotation (separate for each work) in the format given in Section B.**
 - b. **Signed Bill of Quantities (Annexure-A, and Annexure -B); and**
 - c. **Qualification information form given in Section B duly completed.**
- 5.4. The bidder shall seal the quotation in an envelope addressed to the **Principal Investigator, IDP-NAHEP, SKNAU, Jobner**. The envelope will also bear the following identification:
 - Quotation for “**Modification of toilets for differently abled persons**”.
 - **Do not open before 02.30 PM on 12/09/2022.**
- 5.5. Quotations must be received in the office of **IDP-NAHEP, SKNAU, Jobner** not later than the time and date given in the letter of invitation. If the specified date is declared a holiday, quotations shall be received up to the appointed time on the next working day.
- 5.6. Any quotation received after the deadline for submission of quotations will be rejected and returned unopened to the bidder.

6. Validity of Quotation

Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.

7. Opening of Quotations

Quotations will be opened in the presence of bidders or their representatives who choose to attend on the date and time and at the place specified in the letter of invitation.

8. Information relating to evaluation of quotations and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with the process until the award to the successful bidder is announced.

9. Evaluation of Quotations

The Employer will evaluate and compare the quotations determined to be substantially responsive i.e. which

- a. **The quotations submitted will be evaluated separately for each work;**
- b. meet the qualification criteria specified in clause 3 above;
- c. are properly signed; and
- d. conform to the terms and conditions, specifications and drawings without material deviations.

10. Award of contract

The Employer will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price and who meets the specified qualification criteria.

- 10.1. Notwithstanding the above, the Employer reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 10.2. The bidder whose bid is accepted will be notified of the award of contract by the Employer prior to expiration of the quotation validity period.
- 10.3. The Successful Bidder has to complete the work within the stipulated time given in the work order. If Bidder fails to execute the work within the given time then liquidated damage @0.05% per day will be deducted from the total contract value.

11. Performance Security

Within 15 days of receiving letter of acceptance, the successful bidder shall deliver to the **PI, IDP-NAHEP, SKNAU, Jobner** the performance security (bank draft in favor of the Employer) for an amount equivalent of 3% of the contract price. The Performance Security shall be valid till the expiry of the period of maintenance of the work, specified in clause 12.

12. Period of Maintenance:

The "Period of Maintenance" for the work is six months from the date of taking over possession or one full monsoon season whichever occurs later. During the period of maintenance, the contractor will be responsible for rectifying any defects in construction free of cost to the Employer.

13. Purchase of all construction materials including cement and steel as per the specifications (ISI certification marked goods wherever available) shall be the responsibility of the contractor.

SECTION - B

- 1. Format for Qualification Information.**
- 2. Format for Submission of Quotation.**
- 3. Format of Letter of Acceptance.**

QUOTATION I

Description of the Works: **Modification of toilets for differently abled persons at SKNCOA, Jobner**

To:
The Principal Investigator
IDP-NAHEP, SKNAU, Jobner

Subject: Work of Modification of toilets for differently abled persons at SKNCOA, Jobner

Reference: Letter No.dated.....from.....

Sir,

We offer to execute the Works described in your letter referred to above in accordance with the Conditions of Contract enclosed therewith at.....percentage above / below the estimated rates, i.e., for a total Contract Price of -

Rs. ** _____ [in figures]

Rs. _____ [in words]

This quotation and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We hereby confirm that this quotation is valid for 60 days as required in Clause 6 of the Instructions to Bidders.

Yours faithfully,

Authorized Signature : _____ Date: _____

Name & Title of Signatory : _____

Name of Bidder : _____

Address : _____

**To be filled in by the Bidder, together with his particulars and date of submission at the bottom of this Form.

QUOTATION II

Description of the Works: **Modification of toilets for differently abled persons at COA, Lalsot**

To:
The Principal Investigator
IDP-NAHEP, SKNAU, Jobner

Subject: Work of Modification of toilets for differently abled persons at COA, Lalsot

Reference: Letter No.dated.....from.....

Sir,

We offer to execute the Works described in your letter referred to above in accordance with the Conditions of Contract enclosed therewith at..... percentage above / below the estimated rates, i.e., for a total Contract Price of -

Rs. ** _____ [in figures]

Rs. _____ [in words]

This quotation and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We hereby confirm that this quotation is valid for 60 days as required in Clause 6 of the Instructions to Bidders.

Yours faithfully,

Authorized Signature : _____ Date: _____

Name & Title of Signatory : _____

Name of Bidder : _____

Address : _____

de **To be filled in by the Bidder, together with his particulars and date of submission at the bottom of this Form.

QUALIFICATION INFORMATION

1 For Individual Bidders

1.1 Principal place of business: _____

Power of attorney of signatory of Quotation.
[Attach copy]

1.2 Total value of Civil Engineering construction work performed in the last three years (in Rs. Lakhs)

2019-20	_____
2020-21	_____
2021-22	_____

1.3 Work performed as prime contractor (in the same name) on works of a similar nature over the last three years.

<u>Project Name</u>	<u>Name of Employer</u>	<u>Descrip- tion of work</u>	<u>Contract No.</u>	<u>Value of contract (Rs.Lakhs)</u>	<u>Date of issue of work order</u>	<u>Stipulated period of comple- tion</u>	<u>Actual date of comple- tion</u>	<u>Remarks explaining reasons for delay and work completed</u>

Existing commitments and on-going works:

<u>Description of Work</u>	<u>Place & State</u>	<u>Contract No. & Date</u>	<u>Value of Contract (Rs. Lakh)</u>	<u>Stipulated period of completion</u>	<u>Value of works* remaining to be completed (Rs. Lakhs)</u>	<u>Anticipated date of completion</u>
(1)	(2)	(3)	(4)	(5)	(6)	(7)

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* Enclose a certificate from Engineer concerned.

1.4 Proposed subcontracts and firms involved.

Sections of the works	Value of Sub-contract	Sub-contractor (name & address)	Experience in similar work
*	*	*	*
	*	*	
*	*	*	*
	*	*	
*	*	*	*
	*	*	

1.5 Evidence of access to financial resources to meet the requirements of working capital : cash in hand, lines of credit, etc. List them below and attach copies of support documents.

1.6 Name, address, and telephone, telex, and fax numbers of the Bidders' bankers who may provide references if contacted by the Employer.

1.7 Information on litigation history in which the Bidder is involved.

Other party(ies)	Employer	Cause of dispute	Amount involved	Remarks showing present status
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**LETTER OF ACCEPTANCE
CUM NOTICE TO PROCEED WITH THE WORK**

(LETTERHEAD OF THE EMPLOYER)

Dated : _____

To : _____ [Name and address of the Contractor]

Dear Sirs,

This is to notify you that your Quotation dated _____ for execution of the _____ for the contract price of Rupees _____ [amount in words and figures], is hereby accepted by us.

You are hereby requested to furnish performance security for an amount of Rs. _____ (equivalent to 3% of the contract price) within 15 days of the receipt of the letter. The Performance Security in the form of Bank guarantee or a Bank draft in favour of(Employer) shall be valid till the expiry of the period of maintenance i.e. upto _____. Failure to furnish the Performance Security will entail cancellation of the award of contract.

You are also requested to sign the agreement form and proceed with the work not later than _____ under the instructions of the Engineer, _____ and ensure its completion within the contract period.

With the issuance of this acceptance letter and your furnishing the Performance Security, contract for the above said work stands concluded.



Yours faithfully,

**Authorized Signature
Name and title of Signatory**

**Draft Agreement form for
Construction through National Shopping**

ARTICLES OF AGREEMENT

This deed of agreement is made in the form of agreement on _____ day
_____ month _____ 199 ____, between the
_____ (Employer) or his authorized representative (hereinafter
referred to as the first party) and _____ (Name of the Contractor), S/O
_____ resident of _____ (hereinafter referred to as the second party),
to execute the work of construction of _____ (hereinafter referred to
as works) on the following terms and conditions.

2. Cost of the Contract

The total cost of the works (hereinafter referred to as the "total cost") is Rs. ____ as
reflected in Annexure - 1.

3.1 Payments under its contract:

Payments to the second party for the construction work will be released by the first
party in the following manner :-

50% of work done : 50% of Total Cost

On completion of work : 40% of Total Cost

Handover of the work : 10% of Total Cost

3.2 Payments at each stage will be made by the first party :

- (a) on the second party submitting an invoice for an equivalent amount ;
- (b) on certification of the invoice (except for the first installment) by the engineer
nominated by the first party with respect to quality of works in the format in
Annexure - 2; and
- (c) upon proper and justified utilization of at least 50 % of the previous installment
and 100 % of any prior installment.

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4. Notice by Contractor to Engineer

The second party, on the works reaching each stage of construction, issue a notice to the first party or the Engineer nominated by the first party (who is responsible for supervising the contractor, administering the contract, certifying the payments due to the contractor, issuing and valuing variations to the contract, awarding extensions of time etc.), to visit the site for certification of stage completion. Within 15 days of the receipt of such notice, the first party or the engineer nominated by it, will ensure issue of stage completion certificate after due verification.

5. Completion time

The works should be completed in _____ (months/weeks/days) from the date of this Agreement. In exceptional circumstances, the time period stated in this clause may be extended in writing by mutual consent of both the parties.

6. If any of the compensation events mentioned below would prevent the work being completed by the intended completion date, the first party will decide on the intended completion date being extended by a suitable period :

- a) The first party does not give access to the site or a part thereof by the agreed period.
- b) The first party orders a delay or does not issue completed drawings, specifications or instructions for execution of the work on time.
- c) Ground conditions are substantially more adverse than could reasonably have been assumed before issue of letter of acceptance and from information provided to second party or from visual inspection of the site.
- d) Payments due to the second party are delayed without reason.
- e) Certification for stage completion of the work is delayed unreasonably.

7. Any willful delay on the part of the second party in completing the construction within the stipulated period will render him liable to pay liquidated damages. @ Rs. * _____ per day which will be deducted from payments due to him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 2 % of the contract amount.

ds (Note : The amount of liquidated damages per day should be determined at 0.05 % of the contract value of the works and indicated here).

8. Duties and responsibilities of the first party

- 8.1** The first party shall be responsible for providing regular and frequent supervision and guidance to the second party for carrying out the works as per specifications. This will include written guidelines and regular site visit of the authorized personnel of the first party, for checking quality of material and construction to ensure that it is as per the norms.
- 8.2** The first party shall supply 3 sets of drawings, specifications and guidelines to the second party for the proposed works.
- 8.3** Possession of the site will be handed over to the second party within 10 days of signing of the agreement.
- 8.4** The Engineer or such other person as may be authorized by the first party shall hold meeting once in a month where the second party or his representative at site will submit the latest information including progress report and difficulties if any, in the execution of the work. The whole team may jointly inspect the site on a particular day to take stock of activities.
- 8.5** The Engineer shall record his observations/instructions at the time of his site visit in a site register maintained by the second party. The second party will carry out the instructions and promptly rectify any deviations pointed out by the engineer. If the deviations are not rectified, within the time specified in the Engineer's notice, the first party as well as the engineer nominated by it, may instruct stoppage or suspension of the construction. It shall thereupon be open to the first party or the engineer to have the deviations rectified at the cost of the second party.

9. Duties and responsibilities of the second party

- 9.1** The second party shall :
- a) take up the works and arrange for its completion within the time period stipulated in clause 5;
 - b) employ suitable skilled persons to carry out the works ;
 - c) regularly supervise and monitor the progress of work ;
 - d) abide by the technical suggestions / direction of supervisory personnel including engineers etc. regarding building construction ;
 - e) be responsible for bringing any discrepancy to the notice of the representative of the first party and seek necessary clarification :

- f) ensure that the work is carried out in accordance with specifications, drawings and within the total of the contract amount without any cost escalation ;
- g) keep the first party informed about the progress of work ;
- h) be responsible for all security and watch and ward arrangements at site till handing over of the building to the first party ; and
- i) maintain necessary insurance against loss of materials/cash, etc. or workman disability compensation claims of the personnel deployed on the works as well as third party claims.
- f) Pay all duties, taxes and other levies payable by construction agencies as per law under the contract (First party will effect deduction from running bills in respect of such taxes as may be imposed under the law).

10. Variations / Extra Items

The works shall be carried out by the second party in accordance with the approved drawings and specifications. However, if, on account of site conditions or any other factors, variations are considered necessary, the following procedure shall be followed:-

- a) The second party shall provide the Engineer with a quotation for carrying out the Variation when requested to do so by the Engineer. The Engineer shall assess the quotation, which shall be given within seven days of the request before the Variation is ordered.
- b) If the quotation given by the second party is unreasonable, the Engineer may order the Variation and make a change to the Contract Price which shall be based on Engineer's own forecast of the effects of the Variation on the Contractor's costs.
- c) The second party shall not be entitled to additional payment for costs which could have been avoided by giving early warning.

11. Securities

The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer. The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a Bank Guarantee.

12. Termination

- 12.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.


- 12.2 Fundamental breaches of Contract include, but shall not be limited to the following:
- (a) the contractor stops work for 28 days and the stoppage has not been authorized by the Engineer;
 - (b) the Contractor has become bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
 - (c) the Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
 - (d) the Contractor does not maintain a security which is required;
- 12.3 Notwithstanding the above, the Employer may terminate the Contract for convenience.
- 12.4 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

13. **Payment upon Termination**

- 13.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law.
- 13.2 If the Contract is terminated at the Employer's convenience, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

14. **Dispute settlement**

If over the works, any dispute arises between the two parties, relating to any aspects of this Agreement, the parties shall first attempt to settle the dispute through mutual and amicable consultation.

 In the event of agreement not being reached, the matter will be referred for arbitration by a Sole Arbitrator not below the level of retired Superintending Engineer, PWD to

be appointed by the first party. The Arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both the parties.

BILL OF QUANTITIES

Name of Work :- Modification of Toilets Bolck In Varioues Department in SKNCOA Jobner

Based on:- B.S.R. 2019 Jaipur circle & Electric BSR 2022

BSR ITEM NO	S.No.	Item Description	Quantity	Unit	Rate	Amount
PART- "A" CIVIL WORK						
5.19.2	1	Half Brick work with mechanised autoclaved flyash lime bricks conforming to IS: 12894 :2002 of class designation 100 in superstructure above plinth level upto floor V level in. Cement mortar 1 : 6 (1 cement : 6 coarse sand)	6.00	Sqm	506.00	3036.00
4.3	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 plastizers(if required) excluding the cost of centering, shuttering and reinforcement for Beams, suspended floors, roofs, griders having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases etc. M20 grade Nominal Mix / Design Mix	1.00	Cum	4714.00	4714.00
4.10.2	3	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for : Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	10.00	Sqm	309.00	3090.00
4.13.3	4	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. (Original producers' who manufacture billet directly from iron ores and roll the bilets to produce steel conforming to IS:1786) Thermo-mechanically Treated bars (Conforming of relevent IS code)	100.00	Kg	64.00	6400.00
12.3.2	5	Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finished: 20 mm thick.	100.00	Sqm	158.00	15800.00

13.29	6	Repair to damaged RCC slabs, beams and columns etc for strengthening with cement mortar 1 : 2 in following steps i) Chopping loose and cracked concrete to required depth, cleaning the exposed surface of steel and concrete with wire brush and sand papering , cleaning of concrete surface with water as necessary and getting dried. ii) Applying Epoxy primer on the exposed steel bars. iii) Applying Epoxy hardener and resin mix (as per manufacturer's specification) on concrete and steel bars with brush. iv) Spreading dry cement mortar 1 : 2 mix over epoxy treated wet surface and allow it to dry for one day. v) Plastering the surface with cement sand mortar 1 : 3 upto depth of 30mm complete. vi) Cure the plastered surface for 15 days All work including scaffolding etc. complete in all respect.	10.00	Sqm	1425.00	14250.00
7.7.4.3	7	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. South Zed Black Above 3601 Cm2 Slabs	10.00	Sqm	3500.00	35000.00
7.22.2	8	Providing and fixing 1st quality MAT & GLOSSY finished ceramic tile conforming to IS : 13755 and IS : 15622 colour such as white, grey, ivory, fume red brown, light green, light blue and other light shades in floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (including the cost of cement mortar bed 1:4). Size 300mm x 450mm	50.00	Sqm	735.00	36750.00
7.32.2	9	P & F 1st quality Heavy Duty Vitrified Polished Digital tiles on floor, skirting and steps etc. in different sizes (thickness minimum 10mm) with water absorption less than or equal 0.08% and conforming to IS 15622 of approved make in all colour and shade, laid with 20 mm thick CM 1: 4 including grouting the joints with white cement and matching pigment etc complete. Size 300mm x 450mm	25.00	Sqm	791.00	19775.00
8.13.2. 1	10	Providing and fixing external grade board solid core single leaf flush door shutters ISI 2202-67 marked using Phenol formal dehyderesin in glue both sides with approved steel fittings complete as per annexure 'A' : 30 mm thick . Commercial Veneer both side	8.00	Sqm	1674.00	13392.00
15.24. 4	12	Providing and fixing in CM 1 : 4 double paitam (rebated) stone door window and ventilator frames of approved quarry :	12.00	Mtr	170.00	2040.00

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9.19.3	13	Providing and fixing steel glazed doors windows and ventilator shutters of standard rolled steel section (IS 1038 1983) joints mitred and welded with steel lugs 13x3mm, 10cm. long embedded in cement concrete block 15x10x10cm. of 1:3:6 (1cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws with fixing clips or with bolts and nuts as required including providing and fixing of plain glass panes 4mm thick with cooper glazing clips and special metal sash putty of approved make or metal beading with screws complete including priming coat of approval steel primer, excluding the cost of metal beading and other fitting except necessary hinges of pivots steel handles peg stay etc. as required : Windows side hung /Ventilators top or centre hung (openable)	3.00	Sqm	2809.00	8427.00
10.40	14	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	80.00	Kg	457.00	36560.00
S-1.3	15	P & F White Vitreous China Double Syphonic European W.C. (I.S:2556Mark) with mounted W.V.C. flushing cistern of (IS : 2556 Mark) of 10 litre capacity complete with all necessary internal fittings including cutting and making good the wall and floor.	8.00	Each	11013.00	88104.00
S-1.20.2	16	P & F Low level Flushing Cistern of 10 litres capacity (IS : 2556mark). Of approved make with complete fittings C.I. brackets duly painted, brass ball cock with ball, (IS: 1703 mark) complete including cutting and making good the wall: PVC with PVC bend as per IS : 7231 .	3.00	Each	1495.00	4485.00
S-2.1.1	17	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. (Concealed work including cutting chases and making good the walls etc.,)				
	A	: 15 mm dia nominal bore 'B' Class	25.00	Mtr	254.00	6350.00
	B	25mm dia nominal bore 'B' Class	25.00	Mtr	342.00	8550.00

S-2.26.3	18	P & F PVC Storage Tank ISI Marked (IS : 12701) indicating the BIS license No), of approved make with cover, 25mm dia 1M long G.I. over-flow pipe & 25 Cm. long wash out pipe with plug & socket, including making connection etc., complete of approved design: 500 litres capacity.	2.00	Each	7128.00	14256.00
S-3.17.3	19	P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg./Cm2.) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant.				
	A	(A)110mm dia	10.00	Mtr	256.00	2560.00
	B	(B)160 mm dia	30.00	Mtr	421.00	12630.00
S-1.44.2	20	P & F Bevelled edge Mirror/mirror with teak wood lipping around of special glass of approved make as per direction of Engineer-in-charge complete with 6mm thick commercial ply base fixed to wooden screws & washers. Other sizes	8.00	Sqm	1398.00	11184.00
S-2.6.1	21	P & F Pillar Cocks (IS :8934 Mark) of superior quality and approved make:				
	A	C.P. Pillar cock, Swan Neck With casted Spout 15 mm dia nominal bore	8.00	Each	1133.00	9064.00
S-2.14.1	22	P & F Inlet Connection (Angle Valves) Superior quality, of approved make, for Wash basin, Gyser etc.				
	A	C.P. Inlet connection 15mm.Brass (IS : 8931 marked)	10.00	Each	455.00	4550.00
S-1.36.9	23	P & F WVC Wash basin (1st quality IS:2556 Mark) of approved make with C.I. brackets duly painted 1 No. 15 mm C.P. Pillar cock (IS:8934 Mark) & 32 mm C.P. brass waste coupling of approved make, P.V.C Waste pipe with PVC nut 32 mm complete including cutting & making good the wall : Size 630 mm x 500 mm dia for counter top	8.00	Each	2968.00	23744.00
	24	Providing & Fixing of of BLDC Technology ventilating fans , single phase with PVC impeller, ABS body, Double Ball bearing, automatic back lower shutter including making connection, testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .				
		250 mm sweep	4.00	Each	2741.00	10964.00
					Total Rs.	395675.00

Gross Total Cost : Rs.....

We agree to execute the works in accordance with the approved drawings and technical specifications at percentage above/below the estimated rates, i.e., for a total contract price of Rs. (amount in figures)

(Rs. amount in

Signature of Contractor


ESTATE OFFICER
Sri Karan Narendra Agriculture University
JOBNER, JAIPUR

Name of Work :- Modification of Toilets for Differently Abled Persons at COA, Lalsot

Rates Based on :- B.S.R. 2019 P.W.D. Dausa circle & Elcetric BSR 2022.

BILL OF QUANTITIES

Item BSR pageNo.	S.No.	Item Description	Quantity	Units	Rate	Total Amount
S-2.12.1	1	P & F Inlet Connection (Angle Valves) Superior quality, of approved make, for Wash basin, Gyser etc. C.P. Inlet connection 15mm.Brass (IS : 8931 marked)	15.00	Nos	649.00	9735.00
S-2.6.1	2	P & F Pillar Cocks (IS :8934 Mark) of superior quality and approved make: C.P. Pillar cock, 15 mm dia nominal bore	7.00	Nos	715.00	5005.00
S-2.7.3	3	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make: C.P. Brass bib cock,15mm nominal bore.	11.00	Nos	642.00	7062.00
S-2.7.5	4	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make: Long body, 15mm nominal bore weight not less than 690 gm	8.00	Nos	835.00	6680.00
S-1.46.1	5	P & F Bevelled edge Mirror/mirror with teak wood lipping around of special glass of approved make as per direction of Engineer-in-charge complete with 6mm thick commercial ply base fixed to wooden screws & washers. Size 600 x 450mm x 4 mm thick	8.00	Nos	480.00	3840.00
S-1.50.1	6	P & F Grating of approved quality/make: Stainless Steel Sheet size 125mm dia.	30.00	Nos	52.00	1560.00
S-1.38.3	7	P & F WVC Wash basin (Ist quality IS:2556 Mark) of approved make with C.I. brackets duly painted 1 No. 15 mm C.P. Pillar cock (IS:8934 Mark) & 32 mm C.P. brass waste coupling of approved make, P.V.C Waste pipe with PVC nut 32 mm complete including cutting & making good the wall : Size 550 mm x 400 mm	1.00	Nos	2147.00	2147.00
S-2.13.4	8	P & F 15 mm. Dia Connection Pipe of approved quality/make : PVC pipe with C.P. Brass nuts upto length, 600mm	12.00	Nos	108.00	1296.00

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S-1.17.3	9	P&F Marble Urinal Partition slab both sides polished of approved design cut from marble size 900x600mm. Makrana 'Adanga' or Raj Nagar 1St Quality White or Andhi Indo-Italian marble.	2.00	Nos	842.00	1684.00
S-3.45.2	10	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes Type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make: 110 mm dia	8.00	Nos	259.00	2072.00
S-3.46.4 (ii)	11	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes fittings type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make: Bend 87.5 Dg.: 110 mm dia.	132.00	Nos	134.00	17688.00
S-3.17.3	12	P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg. /Cm2.) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant.: 110 mm dia	147.00	Mtr	204.00	29988.00
E-1.1.3	13	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. For specification of copper Conductor, Phenolic Laminated sheet's & Electrical/ Wiring accessories refer Chapter E - 04, E - 05 & E - 07 For additional technical parameters of product / work refer Annexure 'A' attached with this BSR: Long point (up to 10 mtr.)	8.00	Each	772.00	6176.00

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E-1.1.2	14	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. For specification of copper Conductor, Phenolic Laminated sheet's & Electrical/ Wiring accessories refer Chapter E - 04, E - 05 & E - 07 For additional technical parameters of product / work refer Annexure 'A' attached with this BSR: Medium point (up to 6 mtr.)	8.00	Each	578.00	4624.00
TOTAL AMOUNT Rs.						99557.00


Gross Total Cost : Rs.

We agree to execute the works in accordance with the approved drawings and technical specifications at percentage above/below the estimated rates, i.e., for a total contract price of Rs.

..... (amount in figures)

(Rs.)

Signature of Contractor


ESTATE OFFICER
Sni Karan Narendera Agriculture University
JOBNER, JAIPUR

Format of certificate

Certified that the works upto ----- level in respect of construction of ----- at ----- have been executed in accordance with the approved drawing and technical specifications.

Signature
Name & Designation
(Official address)



Place :
Date :

Office seal